



U.S. Department of Transportation  
Federal Aviation Administration  
Washington, DC

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# **Master Minimum Equipment List (MMEL)**

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Revision: 30  
Date: XX/XX/XXXX

## **Airbus SAS A318, A319, A320, and A321 Series All Models**

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DATE: XX/XX/XXXX

PAGE NO. I

AIRCRAFT:  
Airbus A320**TABLE OF CONTENTS AND CONTROL PAGE**

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46	Information Systems	46-1 thru 2	30	XX/XX/XXXX
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49	Airborne Auxiliary Power	49-1 thru 3	30	XX/XX/XXXX
52	Doors	52-1 thru 10	30	XX/XX/XXXX
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73	Engine Fuel and Control	73-1 thru 14	30	XX/XX/XXXX
74	Ignition	74-1 thru 2	30	XX/XX/XXXX
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76	Engine Control	76-1	30	XX/XX/XXXX
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79	Engine Oil	79-1 thru 18	30	XX/XX/XXXX
80	Starting	80-1 thru 2	30	XX/XX/XXXX

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**LOG OF REVISIONS**

REV NO.	DATE
Original	06/14/1989
1	08/14/1989
2	09/14/1990
3	06/21/1991
3a	06/11/1992
4	01/28/1993
5	07/28/1993
6	08/30/1995
7	12/03/1996
8	05/05/1997
9	07/03/1997
9a	03/24/1998
9b	04/08/1998
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11a	05/24/1999
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12a	10/15/2001
13	05/15/2002
14	07/30/2002
14a	02/06/2003
15	06/24/2003
16	11/17/2004

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**LOG OF REVISIONS**

REV NO.	DATE
17	02/22/2005
18	04/27/2005
19	07/11/2006
20	03/19/2008
21	06/17/2009
21a	03/23/2010
22	05/15/2012
22a	02/07/2013
23	12/20/2013
24	01/16/2014
25	06/23/2014
25a	12/12/2014
25b	05/18/2015
26	03/11/2016
26a	09/07/2016
26b	11/22/2016
27	07/18/2018
28	11/22/2019
29	05/18/2021
30	XX/XX/XXXX

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	MASTER MINIMUM EQUIPMENT LIST
REVISION NO. 30 DATE: XX/XX/XXXX	PAGE NO. IV
AIRCRAFT: Airbus A320	<b>HIGHLIGHTS OF CHANGE</b>

The following changes are the Highlights of Changes for **Revision 30**.

PAGE NO.	EXPLANATION OF CHANGE
General	Minor editorial corrections and formatting changes were made throughout the document, indicated with change bars. These editorial corrections may be adopted in Minimum Equipment Lists (MEL) at the operator's discretion.
General	Corrected ETOPS references throughout document (changed ER operations to ETOPS). Changes are indicated with change bars, but are not listed hereafter in these Highlights of Change.
General	Added dispatch condition statements to all Remarks and Exceptions fields throughout document where there are no written provisos (blank field). Changes are indicated with change bars, but are not listed hereafter in these Highlights of Change.
ATA 21 Air Conditioning	
21-23-01	Added (O) procedure indicators and provisos.
21-26-11	Added (O) procedure indicator.
21-26-12	Added (O) procedure indicator.
21-27-01	Added dispatch condition.
21-28-01	Updated proviso.
21-28-04	Updated proviso.
21-31-03	Removed item sequence number and title with reference to previously moved relief.
21-43-01	Updated provisos, added notes and dispatch condition.
21-51-01	Deleted dispatch condition with Mod applicability.
21-52-01	Deleted sub-items. Updated Mod applicability and provisos.
21-63-03	Added (O) procedure indicators.
ATA 22 Autoflight	
22-30-01	Added sub-item with Mod applicability.
22-63-01	Removed (M) procedure indicator and updated provisos.
22-66-03	Removed sub-item with reference to previously moved relief. Re-sequenced sub-item.
22-72-01	Updated item with new sub-items, which include relief from items 22-73-01 and 22-73-02 as sub-items.

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		MASTER MINIMUM EQUIPMENT LIST
REVISION NO. 30 DATE: XX/XX/XXXX		PAGE NO. V
AIRCRAFT: Airbus A320		HIGHLIGHTS OF CHANGE
PAGE NO.	EXPLANATION OF CHANGE	
22-73-01	Relief combined with Item 22-72-01, Flight Management System (FMS).	
22-73-02	Relief combined with Item 22-72-01, Flight Management System (FMS).	
22-73-05	Removed item sequence number and title of previously moved relief.	
22-81-02	Removed sub-items with reference to previously moved relief.	
22-81-03	Updated proviso.	
22-81-04	Added proviso.	
22-83-01	Updated item with sub-items.	
22-83-02	Removed item sequence number and title with reference to previously moved relief.	
ATA 23 Communications		
23-10-01	Removed item sequence number and title with reference to previously moved relief.	
23-12-01	Updated provisos.	
23-13-01	Added sub-items with Mod applicability.	
23-14-01	New Item.	
23-28-01	Added (O) procedure indicator.	
23-42-02	Removed sub-item with reference to previously moved relief. Re-sequenced sub-items.	
23-44-01	Updated number installed.	
23-51-06	Updated item with new sub-items per Mod applicability. Updated item title.	
23-51-08	Updated item with new sub-items per Mod applicability.	
23-71-02	Updated Mod applicability.	
23-73-07	Updated provisos and added new proviso.	
23-73-08	Updated provisos and added new proviso.	
23-90-02	Removed item sequence number and title with reference to previously moved relief.	
ATA 24 Electrical Power		
24-41-01	Updated item. Added provisos.	
24-41-03	Updated item title.	

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REVISION NO. 30 DATE: XX/XX/XXXX		PAGE NO. VI
AIRCRAFT: Airbus A320		HIGHLIGHTS OF CHANGE
PAGE NO.	EXPLANATION OF CHANGE	
ATA 25 Equipment/Furnishings		
25-13-01	Removed sub-item with reference to previously deleted relief.	
25-28-01	Updated item in accordance with FAA MMEL Policy Letter PL-104 R7.	
25-50-02	Updated item title. Added notes.	
25-50-03	Updated item title and proviso. Added notes and dispatch condition.	
25-60-05	Removed item sequence number and title with reference to previously moved relief.	
25-60-06	Removed item sequence number and title with reference to previously moved relief.	
25-60-08	Updated item in accordance with FAA MMEL Policy Letter PL-132 R0.	
25-60-09	Updated item in accordance with FAA MMEL Policy Letter PL-132 R0.	
25-60-10	Removed item sequence number and title with reference to previously moved relief.	
25-60-13	Updated item in accordance with FAA MMEL Policy Letter PL-132 R0.	
25-75-01	Corrected typos for missing No. Required for Dispatch information.	
ATA 26 Fire Protection		
26-14-01	Removed item sequence number and title with reference to previously moved relief.	
26-16-01	Removed item sequence number and title with reference to previously moved relief.	
26-23-01	Updated item title. Added note.	
26-26-24	Updated item in accordance with FAA MMEL Policy Letter PL-132 R0.	
ATA 27 Flight Controls		
27-00	Removed sub-item with reference to previously deleted relief. Added new sub-items.	
27-14-03	Removed item sequence number and title with reference to previously moved relief.	
27-22-01	Updated provisos.	
27-30-02	Removed item sequence number and title with reference to previously moved relief.	
27-51-03	Removed item sequence number and title with reference to previously moved relief.	
27-81-01	Added (O) procedure indicator and proviso.	

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REVISION NO. 30 DATE: XX/XX/XXXX		PAGE NO. VII
AIRCRAFT: Airbus A320		HIGHLIGHTS OF CHANGE
PAGE NO.	EXPLANATION OF CHANGE	
27-92-03	Removed item sequence number and title with reference to previously moved relief.	
27-92-07	Removed item sequence number and title with reference to previously moved relief.	
27-92-08	Removed item sequence number and title with reference to previously moved relief.	
27-92-09	Removed item sequence number and title with reference to previously moved relief.	
27-92-10	Removed item sequence number and title with reference to previously moved relief.	
27-94-01	Updated provisos.	
ATA 28 Fuel		
28-15-01	Updated provisos.	
28-21-02	Updated provisos.	
28-23-01	Removed item sequence number and title with reference to previously moved relief.	
28-40-02	Updated MOD applicability.	
28-40-06	Updated MOD applicability.	
28-40-09	Updated MOD applicability.	
ATA 29 Hydraulic Power		
29-10-01	Updated item title. Updated item to include new sub-item for model applicability.	
29-10-04	Removed item sequence number and title with reference to previously moved relief.	
29-10-05	Removed item sequence number and title with reference to previously moved relief.	
29-10-10	New item.	
29-30-03	Added new sub-item.	
29-30-04	Removed sub-item with reference to previously deleted relief. Re-sequenced sub-items.	
ATA 30 Ice and Rain Protection		
30-11-01	Updated item title. Updated item to include new sub-item for model applicability.	
ATA 31 Indicating/Recording Systems		
31-00	Added maintenance message relief.	
31-63-03	Updated Item title and proviso.	



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AIRCRAFT: Airbus A320		HIGHLIGHTS OF CHANGE
PAGE NO.	EXPLANATION OF CHANGE	
ATA 32 Landing Gear		
32-31-01	Updated Mod applicability, provisos, and added new sub-items.	
32-42-03	Updated Mod applicability, provisos, and added new sub-items.	
32-42-05	Updated provisos.	
32-44-01	Updated Mod applicability, provisos, and added new sub-items.	
32-44-03	Updated Mod applicability, provisos, and added new sub-items.	
ATA 33 Lights		
33-20-02	Updated item in accordance with FAA MMEL Policy Letter per PL-123 R1.	
33-40-08	Removed item sequence number and title with reference to previously moved relief.	
33-50-07	Removed item sequence number and title with reference to previously moved relief.	
ATA 34 Navigation		
34-10-01	Updated Mod applicability, provisos, and added new dispatch conditions.	
34-12-01	Updated repair category.	
34-12-02	Updated repair category and proviso.	
34-12-03	Updated repair category and Mod number.	
34-13-02	Updated Mod applicability.	
34-13-08	Updated engine and Mod applicability.	
34-13-11	Updated item with new provisos and dispatch conditions.	
34-40-10	New item.	
34-40-11	New item.	
34-40-12	New item.	
34-48-01	Removed sub-item with reference to previously moved relief. Added new sub-sub-item.	
34-48-02	Updated item.	
34-48-03	New item.	
34-48-04	New item.	

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		MASTER MINIMUM EQUIPMENT LIST
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AIRCRAFT: Airbus A320		HIGHLIGHTS OF CHANGE
PAGE NO.	EXPLANATION OF CHANGE	
34-48-05	New item.	
34-48-06	New item.	
34-48-07	New item.	
34-48-08	New item.	
34-52-01	Removed sub-item with reference to previously moved relief.	
34-52-03	Removed item sequence number and title with reference to previously moved relief.	
34-57-01	Updated Mod applicability.	
34-57-02	Added sub-item numbers.	
34-58-01	Updated item with new sub-sub-items with new dispatch conditions for Mod applicability.	
ATA 35 Oxygen		
35-10-01	Removed item sequence number and title with reference to previously deleted relief.	
35-10-02	Removed item sequence number and title with reference to previously moved relief.	
35-10-05	Removed item sequence number and title with reference to previously moved relief.	
35-20-01	Removed item sequence number and title with reference to previously moved relief.	
35-20-02	Removed item sequence number and title with reference to previously moved relief.	
35-20-03	Removed item sequence number and title with reference to previously moved relief.	
35-20-04	Removed item sequence number and title with reference to previously moved relief.	
35-20-05	Removed item sequence number and title with reference to previously moved relief.	
35-20-06	Removed item sequence number and title with reference to previously moved relief.	
35-20-07	Removed item sequence number and title with reference to previously moved relief.	
35-31-01	Updated item in accordance with FAA MMEL Policy Letter per PL-132 R0.	
35-32-01	Updated item in accordance with FAA MMEL Policy Letter per PL-132 R0.	
ATA 36 Pneumatic		
36-22-15	Updated provisos and model and Mod applicability. Removed sub-item with reference to previously moved relief.	

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AIRCRAFT: Airbus A320		HIGHLIGHTS OF CHANGE
PAGE NO.	EXPLANATION OF CHANGE	
36-22-16	Removed item sequence number and title with reference to previously moved relief.	
36-22-17	Removed sub-items with references to previously deleted relief.	
36-22-18	New item.	
ATA 38 Water/Waste		
38-30-01	Updated sub-item title and proviso.	
ATA 49 Airborne Auxiliary Power		
49-10-01	Updated model applicability and proviso.	
49-30-01	Updated Mod applicability and proviso.	
ATA 52 Doors		
52-10-05	Removed item sequence number and title with reference to previously moved relief.	
52-30-01	Removed (M) procedure indicator and updated provisos.	
52-30-05	New item.	
52-70-01	Updated item in accordance with FAA MMEL Policy Letter per PL-69 R2.	
52-70-02	Updated proviso.	
52-70-03	New item.	
ATA 56 Windows		
System Chapter 56	Removed System Chapter 56 from MMEL.	
ATA 71 Powerplant		
71-71-00	Updated Mod applicability, provisos, sub-items and sub-sub-items.	
ATA 73 Engine Fuel and Control		
73-10-01	Removed item sequence number and title with reference to previously moved relief.	
73-10-02	Updated Mod applicability and added proviso.	
73-11-01	Removed sub-items with references to previously moved relief.	
73-11-02	Removed sub-items with references to previously moved relief.	
73-11-03	Removed item sequence number and title with reference to previously moved relief.	

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REVISION NO. 30 DATE: XX/XX/XXXX		PAGE NO. XI
AIRCRAFT: Airbus A320		HIGHLIGHTS OF CHANGE
PAGE NO.	EXPLANATION OF CHANGE	
73-20-01	Removed item sequence number and title with reference to previously moved relief.	
73-20-02	Removed item sequence number with reference to previously deleted relief.	
73-30-02	Added sub-item numbers.	
73-30-03	Updated Mod applicability, provisos, and added new sub-item.	
73-30-06	Updated Mod applicability and provisos with new sub-items and dispatch conditions.	
73-30-07	Updated Mod applicability and provisos with new sub-items and dispatch conditions.	
73-30-09	Updated Mod applicability and provisos with new sub-item.	
ATA 75 Bleed Air		
75-21-01	Removed sub-items with references to previously moved relief. Added model applicability, (O) procedure indicator, and proviso.	
75-21-02	Removed item sequence number and title with reference to previously moved relief.	
75-22-01	Removed sub-items with references to previously moved relief. Added new sub-item with model applicability.	
75-23-01	Removed item sequence number and title with reference to previously moved relief.	
75-25-01	Corrected sub-item numbers.	
75-30-01	Removed item sequence number and title with reference to previously moved relief.	
75-30-02	Removed item sequence number and title with reference to previously moved relief.	
ATA 76 Engine Control		
76-11-01	Updated model applicability and provisos.	
ATA 78 Engine Exhaust		
78-11-10	Updated model applicability with sub-items.	
78-30-01	Updated Mod applicability, provisos, and added new sub-items.	
78-30-03	Removed item sequence number and title with reference to previously moved relief.	
78-30-04	Removed item sequence number and title with reference to previously moved relief.	
78-30-05	Removed item sequence number and title with reference to previously moved relief.	
78-30-06	Removed item sequence number and title with reference to previously moved relief.	

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		MASTER MINIMUM EQUIPMENT LIST
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AIRCRAFT: Airbus A320		HIGHLIGHTS OF CHANGE
PAGE NO.	EXPLANATION OF CHANGE	
78-30-08	Removed item sequence number and title with reference to previously moved relief.	
78-30-09	Removed item sequence number and title with reference to previously moved relief.	
78-31-01	Updated Mod applicability, provisos, and added new sub-items.	
ATA 79 Engine Oil		
79-33-02	Updated item title and added note.	
79-35-02	Updated Mod applicability, provisos, and added new sub-item.	
79-35-03	Added sub-item number.	
79-35-04	Updated Mod applicability, provisos, and added new sub-items.	
79-35-05	Deleted sub-item.	
ATA 80 Starting		
80-11-01	Updated Mod applicability with new sub-sub-item and removed sub-item with reference to previously moved relief.	

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	MASTER MINIMUM EQUIPMENT LIST
REVISION NO. 30 DATE: XX/XX/XXXX	PAGE NO. XIII
AIRCRAFT: Airbus A320	<b>FAA MMEL POLICY APPLICATION RECORD</b>

With this MMEL **Revision 30**, stated policy from the following list of FAA MMEL Policy Letters (PL) has been applied to the appropriate items listed on this MMEL, as applicable. Any PL, either new or revised, with an issue date later than **08/19/2021** (most recent listing on this record) has not been considered for application in this revision.

PL No.	Subject	PL Revision and Date	Affected Item Sequence Number(s)
PL-001	Wide-Body Passenger Airplane Door/Slide Relief	Revision 4 02/27/2010	N/A
PL-002	Aural and Visual Speed Warning Policy	Revision 1 08/15/1997	N/A
PL-003	DME Systems MMEL Policy	Revision 1 08/15/1997	34-51-01
PL-005	Takeoff Warning Systems	Revision 1 08/15/1997	N/A
PL-009	Public Address System, Crewmember Interphone and Alerting Systems	Revision 12 10/23/2015	23-31-01 23-42-02 23-41-01 23-43-02
PL-013	Oil Temperature and Pressure Instrument MEL Policy	Revision 1 08/15/1997	N/A
PL-024	Lavatory Fire Protection	Revision 5 10/23/2015	26-25-01
PL-025	MMEL and MEL Definitions	Revision 22 08/19/2021	As Applicable
PL-026	Thrust Reversers on Small Turbojet Airplanes	Revision 1 08/15/1997	N/A
PL-029	Master Minimum Equipment List (MMEL) Requirements for Cockpit Voice Recorder (CVR)	Revision 5 08/10/2010	23-71-01
PL-031	MMEL Format Specification	Revision 3 01/20/2011	As Applicable
PL-032	Traffic Alert and Collision Avoidance System (TCAS)	Revision 7 07/07/2006	34-43-01
PL-034	MMEL and MEL Preamble	Revision 4 08/15/1997	As Applicable

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AIRCRAFT:  
Airbus A320**FAA MMEL POLICY APPLICATION RECORD**

PL No.	Subject	PL Revision and Date	Affected Item Sequence Number(s)
PL-036	FAR Part 91 MEL Approval & Preamble	Revision 3 06/16/2020	N/A
PL-038	Policy Regarding MMEL Relief for Primary Thrust Setting Instruments on Two-Engine Airplanes	Revision 1 08/15/1997	N/A
PL-038	Policy Regarding MMEL Relief for Primary Thrust Setting Instruments on Two-Engine Airplanes	Revision 1 08/15/1997	N/A
PL-039	Altitude Alerting Systems	Revision 5 01/29/2010	34-42-04
PL-040	ETOPS and Polar Operations	Revision 3 11/10/2020	23-28-01 24-20-01 24-20-02 26-12-01 26-13-01 30-11-01 30-11-02 30-31-02 30-31-03 30-31-04 30-31-05 30-42-01 30-42-03 49-10-01 49-10-02 49-30-01 49-70-05
PL-045	Time Limited Dispatch (TLD) Authorization for Full Authority Digital Electronic Control (FADEC) Engines	Revision 2 03/04/2004	71-00
PL-054	Terrain Awareness and Warning System (TAWS)	Revision 10 10-31-2005	34-48-01
PL-056	Flight Deck FWD Observer Seat	Revision 5 01/01/2012	25-11-06
PL-058	Flight Deck Headsets and Hand Microphones	Revision 4 03/24/2012	23-51-04
PL-063	Instrument and Equipment Items Required for Emergency Procedures	Revision 4 07/05/2012	As Applicable

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**FAA MMEL POLICY APPLICATION RECORD**

PL No.	Subject	PL Revision and Date	Affected Item Sequence Number(s)
PL-064	Electrical Power MMEL Policy - Four Engine Cargo Airplanes	Revision 1 08/15/1997	N/A
PL-065	Policy Regarding Cargo Provisions in the MMEL for Cargo Operations	Revision 1 08/15/1997	N/A
PL-067	Windshear Warning and flight Guidance System (RWS) Windshear Detection and Avoidance System (PWS)	Revision 4 01/15/2012	22-66-03
PL-069	External Door Indication System	Revision 2 09/24/2003	52-70-01
PL-072	Wing Icing Detection Lights	Revision 4 03/12/2012	33-40-07
PL-076	ATC Transponders and Automatic Altitude Reporting Systems	Revision 7 12/04/2017	34-52-01
PL-077	Cockpit and Instrument Lighting Systems	Revision 4 12/17/2012	33-10-01
PL-079	Passenger Seat Relief	Revision 9 12/05/2017	25-21-01
PL-083	Water and Waste Systems on Air Carrier Aircraft	Revision 8 05/11/2015	38-10-01 38-30-01
PL-084	Master Minimum Equipment List (MMEL) for Reduced Separation Minimum (RVSM) Operations	Revision 1 08/15/1997	34-42-04
PL-087	Flight Data Recorder (FDR)	Revision 10 08/10/2010	31-30-02
PL-089	FASTEN SEAT BELT WHILE SEATED Signs or Placards	Revision 2 01/31/2009	25-60-07
PL-090	Pitot Heat Indicating System	Revision 1 09/20/2001	30-31-02
PL-093	Autopilot Disconnect MMEL Policy	Revision 1 09/11/2006	22-10-03



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**FAA MMEL POLICY APPLICATION RECORD**

PL No.	Subject	PL Revision and Date	Affected Item Sequence Number(s)
PL-094	Liquid or Paste Propeller Deicer	Revision 1 10/08/2004	N/A
PL-095	VHF Communications MMEL Requirements	Revision 2 01/15/2012	23-12-01
PL-096	Galley/Cabin Waste Receptacles Access Doors/Covers	Revision 2 01/29/2010	25-45-01
PL-097	Flight Attendant Seat(s)	Revision 4 09/06/2007	25-22-01
PL-098	Navigation Databases	Revision 1 06/01/2017	34-61-01
PL-099	Door/Slide Relief Policy	Revision 2 02/26/2010	N/A
PL-100	MMEL/MEL Relief for Cargo Restraint Components	Revision 3 10/02/2020	25-50-04
PL-101	Autopilot Relief	Revision 2 12/15/2011	22-10-01
PL-102	Cargo Compartment Smoke Detection and Fire Suppression Systems	Revision 2 12/17/2012	26-16-03 26-23-01
PL-104	Storage Bins/Cabin, Galley and Lavatory Storage Compartments/Closets	Revision 7 06/24/2020	25-28-01
PL-105	Automatic Dependent Surveillance-Broadcast (ADS-B) System	Revision 4 02/08/2021	34-57-02
PL-106	High Frequency (HF) Communications	Revision 5 06/06/2014	23-11-01
PL-107	MMEL Relief for Inoperative APU Generator	Revision 1 05/22/2001	24-20-02

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AIRCRAFT:  
Airbus A320

**FAA MMEL POLICY APPLICATION RECORD**

PL No.	Subject	PL Revision and Date	Affected Item Sequence Number(s)
PL-108	Carriage of Empty Cargo Handling Equipment	Revision 1 10/17/2011	25-50-02 25-50-03 25-50-04 26-16-03 26-16-04 26-17-02 26-23-01 26-23-02 26-23-03 26-23-04 26-23-05
PL-109	Supplemental Type Certificate (STC) MMEL/MEL Relief Process	Revision 1 11/07/2019	As Applicable
PL-111	MMEL Policy for Inoperative Standby Attitude Indicator	Revision 1 01/29/2004	34-22-01 34-22-03
PL-112	Relief for 14 CFR 25.795 Compliant Flight Deck Doors	Revision 2 01/18/2012	N/A
PL-113	MMEL Relief for Anti-Skid Inoperative	Revision 0 12/20/2002	N/A
PL-114	Nose Gear Steering Systems	Revision 1 10/09/2012	N/A
PL-117	Selective Call System (SELCAL)	Revision 0 10/07/2005	23-51-01
PL-119	Two-Section MMELs (Parts 91, 125, and 135)	Revision 4 12/04/2017	N/A
PL-120	Emergency Locator Transmitters (ELT)	Revision 3 04/12/2019	25-61-01
PL-121	(EFB) Electronic Flight Bag	Revision 1 05/03/2021	46-20-01
PL-122	Flight Deck Door Surveillance Systems	Revision 1 10/09/2012	23-72-01
PL-123	Passenger Notice System (Lighted Information Signs)	Revision 1 04/30/2010	33-20-02

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**FAA MMEL POLICY APPLICATION RECORD**

PL No.	Subject	PL Revision and Date	Affected Item Sequence Number(s)
PL-124	Damaged Window/Windshield Relief	Revision 0 01/20/2009	N/A
PL-125	Equipment Relief without Passengers	Revision 1 11/27/2012	As Applicable
PL-126	Chelton FlightLogic Electronic Flight Instrument Systems (EFIS)	Revision 0 05/28/2010	N/A
PL-127	Night Vision Imaging Systems (NVIS)	Revision 0 06/07/2010	N/A
PL-129	Cockpit Smoke Vision Systems (CSVS)	Revision 0 03/12/2012	N/A
PL-130	Flightcrew Rest Facilities (FCRF)	Revision 2 03/12/2021	25-75-02
PL-131	Radar (Radio) Altimeters for Rotorcraft	Revision 0 10/23/2019	N/A
PL-132	Portable Emergency Equipment	Revision 0 05/03/2021	25-60-08 25-60-09 25-60-13 26-26-24 35-31-01 35-32-01

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## DEFINITIONS

For Definitions, refer to the current FAA MMEL Policy Letter PL-25, MMEL and MEL Definitions, found on the FAA Dynamic Regulatory System (DRS) website.

## PREAMBLE

For the Preamble used for operations under 14 CFR Parts 121, 125, 129, and 135, refer to the current FAA Policy Letter PL-34, MMEL and MEL Preamble, found on the FAA Dynamic Regulatory System (DRS) website.

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AIRCRAFT:  
Airbus A320**LIST OF ACRONYMS**

ACRONYM	DEFINITION
<b>A</b>	
A/BRK	Autobrake
A/THR	Autothrust
AAP	Additional Attendant Panel
AAT	Aircraft Allocation Table
ABSELV	Alternate Brake Selector Valve
AC	Alternating Current
ACCU	Accumulator
ACFT	Aircraft
ACMS	Aircraft Condition Monitoring System
ACP	Audio Control Panel
ACS	Air Conditioning System
ADF	Automatic Direction Finder
ADGB	Active Differential Gearbox
ADHF	Adaptive Dropped Hinge Flap
ADIRS	Air Data Inertial Reference System
ADIRU	Air Data Inertial Reference Unit
ADR	Air Data Reference
ADS	Aircraft Documentation System
ADS-B	Automatic Dependent Surveillance
ADS-C	Automatic Dependent Surveillance Contract
AECM	Alternate Extension Control Module
AEFO	All Engine Flame Out
AESS	Aircraft Environment Surveillance System
AFDX	Avionics Full Duplex Switched Ethernet
AFM	Airplane Flight Manual
AFS	Automatic Flight System
AGL	Above Ground Level
AGS	Air Generation System
AIP	Attendant Indication Panel
ALT	Altitude
ALTN	Alternate
ANF	Airport Navigation Function
AOA	Angle of Attack
AOC	Airline Operational Control
AP	Autopilot
APCH	Approach
APP	Alternate Power Pack
APPR	Approach
APU	Auxiliary Power Unit
APU GEN	Auxiliary Power Unit Generator
AR	Authorization Required
ARA	Approaching Runway Advisory
ARV	Alternate Refill Valve
ASCU	Air System Control Unit
ASFC	Avionics Server Function Cabinet
ASV	Alternate Servo Valve

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AIRCRAFT:  
Airbus A320

**LIST OF ACRONYMS**

ACRONYM	DEFINITION
ATA	Air Transport Association
ATC	Air Traffic Control
ATSU	Air Traffic Service Unit
ATT	Attitude
ATQC	Airbus Temporary Quick Change
ATU	Auto Transformer Unit
AUTO	Automatic
AED	Automatic Emergency Descent
AED	Automatic External Defibrillator
AVNCS	Avionics
<b>B</b>	
B/UP	Backup
BAM	Bleed Air Monitoring
BAS	Bleed Air System
BAT	Battery
BBAND	Broadband
BCF	Brake Cooling Fan
BCL	Battery Charge Limiter
BCM	Backup Control Module
BCS	Braking Control System
BITE	Built-In Test Equipment
BKUP	Backup
BMD	Backup Motor Driver
BOMU	Bleed and Overheat Monitoring Unit
BPS	Backup Power Supply
BPT	Bogie Pitch Trimmer
BPTMS	Bogie Pitch Trimmer Monitoring System
BPTU	Brake Pedal Transmitter Unit
BRT	Bright
BSV	Brake Shuttle Valve
BTM	Brake Temperature Control Module
BTMS	Brake Temperature Monitoring System
BTS	Brake Temperature Sensor
BTV	Brake To Vacate
<b>C</b>	
C/B	Circuit Breaker
C/L	Checklist
CAB	Cabin
CAN	Controller Area Network
CAPT	Captain
CAT	Category
CAV	Cold Air Valve
CBMU	Circuit Breaker Monitoring Unit
CCD	Cursor Control Device
CCRC	Cabin Crew Rest Compartment
CDL	Configuration Deviation List
CDLS	Cockpit Door Locking System

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AIRCRAFT:  
Airbus A320**LIST OF ACRONYMS**

ACRONYM	DEFINITION
CDM	Coolant Distribution Module
CDS	Control and Display System
CDSS	Cockpit Door Surveillance System
CED	Cooling Effect Detector
CELLI	Ceiling Emergency LED Lights
CEV	Commercial Equipment Ventilation
CFP	Computerized Flight Plan
CG	Center of Gravity
CIDS	Cabin Intercommunication Data System
CIU	Camera Interface Unit
CKPT	Cockpit
CLS	Cargo Loading System
CMC	Central Maintenance Computer
CMS	Central Maintenance System
CMV	Concentrator and Multiplexer for Video
COM	Command
CONF	Configuration
CP	Control Panel
CPC	Cabin Pressure Controller
CPCS	Cabin Pressure Control System
CPDLC	Controller-Pilot Datalink Communication
CPIOM	Core Processing Input/Output Module
CRC	Crew Rest Compartment
CRDC	Common Remote Data Concentrator
CRFL	Cruise Flight Level
CSAS	Conditioned Service Air System
CTL	Control
CTS	Cabin/Compartment Zone Temperature Sensor
CVMS	Cabin Video Monitoring System
CVR	Cockpit Voice Recorder
<b>D</b>	
D-ATIS	Digital Automatic Terminal Information System
DBPV	Door Bypass Valve
DC	Direct Current
DCL	Departure Clearance
DEU	Decoder/Encoder Unit
DFDR	Digital Flight Data Recorder
DFS	Differential Flap Setting
DH	Decision Height
DLCS	Data Loading Configuration System
DME	Distance Measuring Equipment
DMU	Data Management Unit
DOLLI	Dome Emergency LED Light
DPI	Differential Pressure Indicator
DSCS	Door and Slides Control System
DTS	Duct Temperature Sensor
DU	Display Unit

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AIRCRAFT: Airbus A320		<b>LIST OF ACRONYMS</b>
ACRONYM	DEFINITION	
<b>E</b>		
EASA	European Aviation Safety Agency	
EBAS	Engine Bleed Air System	
EBHA	Electrical Backup Hydraulic Actuator	
EC	European Commission	
ECAM	Electronic Centralized Aircraft Monitoring	
ECAS	Emergency Cockpit Alerting System	
ECP	ECAM Control Panel	
EDMU	Electrical Distribution Management Unit	
EDP	Engine Driven Pump	
EEC	Engine Electronic Controller	
EENMU	Emergency Electrical Network Management Unit	
EEP	ETOPS Entry Point	
EFB	Electronic Flight Bag	
EFCS	Electronic Flight Control System	
EFIS	Electronic Flight Instrument System	
EGT	Exhaust Gas Temperature	
e-GDO	Electrical Ground Door Opening	
EHA	Electro-Hydrostatic Actuator	
EHM	Engine Health Monitoring	
EIF	Engine Interface Function	
ELCO SW	External Lighting Controller Software	
ELMF	Electrical Load Management Function	
ELS	Exterior Light System	
ELT	Emergency Locator Transmitter	
EM	Electronic Module	
EMA	Electro-Mechanical Actuator	
EMCU	Electrical Motor Control Unit	
EMER	Emergency	
EMK	Emergency Medical Kit	
EMP	Electric Motor Pump	
ENG	Engine	
EPR	Engine Pressure Ratio	
EPCU	External Power Control Unit	
EPDC	Electrical Power Distribution Center	
EPSU	Emergency Power Supply Unit	
EQPT	Equipment	
ERAI	Emergency Ram Air Inlet	
ESBF	Electrical System BITE Function	
ESS	Essential	
ETACS	External and Taxiing Aid Camera System	
ETOPS	Extended Operations	
EU	European Union	
EXP	ETOPS eXit Point	
<b>F</b>		
F/O	First Officer	
FADEC	Full Authority Digital Engine Control	



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AIRCRAFT: Airbus A320		<b>LIST OF ACRONYMS</b>
ACRONYM	DEFINITION	
FANS	Future Air Navigation System	
FAP	Flight/Forward Attendant Panel	
FAK	First Aid Kit	
FC	Failure Condition	
FCDC	Flight Control Data Concentrator	
FCGS	Flight Control and Guidance System	
FCOM	Flightcrew Operating Manual	
FCRC	Flightcrew Rest Compartment	
FCRM	Flight Control Remote Module	
FCTM	Flightcrew Technique Manual	
FCU	Flight Control Unit	
FCV	Flow Control Valve	
FD	Flight Director	
FDIU	Flight Data Interface Unit	
FDU	Fire Detection Unit	
FDR	Flight Data Recorder	
FE	Flight Envelope	
FEDC	Fire Extinguisher Data Converter	
FES	Fire Extinguishing System	
FESRA	Fire, Explosion, and Smoke Risk Analysis	
FG	Flight Guidance	
FL	Flight Level	
FLS	FMS Landing System	
FM	Flight Management	
FMA	Flight Mode Annunciator	
FMB	Flow Metered Bottle	
FMC	Flight Management Computer	
FME	Flow Metering Equipment	
FMS	Flight Management System	
FO	First Officer	
FOB	Fuel on Board	
FOD	Foreign Object Damage	
FOHE	Fuel/Oil Heat Exchanger	
FPEEPMS	Floor-Proximity Emergency-Escape Path-Marking System	
F-PLN	Flight Plan	
FPMS	Floor Path Marking System	
FQ	Fuel Quantity	
FQI	Fuel Quantity Indication	
FQMS	Fuel Quantity and Management System	
FSN	Fleet Serial Number	
FSOV	Fire Shutoff Valve	
FTIS	Fuel Tank Inerting System	
FWS	Flight Warning System	
FWD	Forward	
FZFG	Freezing Fog	
<b>G</b>		
G/S	Glide Slope	

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AIRCRAFT:  
Airbus A320

**LIST OF ACRONYMS**

ACRONYM	DEFINITION
GBAS	Ground Based Augmentation System
GBCT	Ground Brake Cooling Time
GCU	Generator Control Unit
GDO	Ground Door Opening
GDOP	Ground Door Opening Panel
GEN	Generator
GFLI	Ground Fuel Level Indicator
GLA	Gust Load Alleviation
GLS	Ground Based Augmentation System (GBAS) Landing System
GNSS	Global Navigation Satellite System
GPU	Ground Power Unit
GPS	Global Positioning System
GPWS	Ground Proximity Warning System
GW	Gross Weight
GWCG	Gross Weight Center of Gravity
<b>H</b>	
HCF	Heading Control Function
HCU	Head-Up Combiner Unit
HERTO	High Energy Rejected Takeoff
HF	High Frequency
HI	High
HID	High Intensity Discharge
HLS	High Lift System
HMCA	Hydraulic Monitoring and Control Application
HP	High Pressure
HPTCC	High Pressure Turbine Case Cooling
HRB	High Rated Bottle
HSMU	Hydraulic System Monitoring Unit
HUD	Head-Up Display
<b>I</b>	
IAS	Indicated Airspeed
ICP	Integrated Control Panel
IFE	In-Flight Entertainment
IFEC	In-Flight Entertainment Center
IFR	Instrument Flight Rules
IGGS	Inert Gas Generation System
ILS	Instrument Landing System
IMA	Integrated Modular Avionics
INTMT	Intermittent
IP	Intermediate Pressure
IPTCC	Intermediate Pressure Turbine Case Cooling
IR	Inertial Reference
IRS	Inertial Reference System
ISA	International Standard Atmosphere
ISDU	Inertial Sensor Display Unit
ISIS	Integrated Standby Instrument System

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ACRONYM	DEFINITION	
<b>J</b>		
JFGW	Jettison Final Gross Weight	
<b>K</b>		
KCCU	Keyboard and Cursor Control Unit	
<b>L</b>		
L/G	Landing Gear	
LAF	Load Alleviation Function	
LATC	Live Animal Transportation Calculation Tool	
LDCC	Lower Deck Cargo Compartment	
LED	Light Emitting Diode	
LEDU	List of Effective Documentary Units	
LG	Landing Gear	
LGCIS	Landing Gear Control Interface System	
LGERS	Landing Gear Extension and Retraction System	
LGMS	Landing Gear Monitoring System	
LIE	Lightening Indirect Effect	
LOC	Localizer	
LOM	List of Modifications	
LP	Low Pressure	
LPGC	Low Pressure Ground Cart	
LGCIS	Landing Gear Control Interface System	
LGCIU	Landing Gear Control Interface Unit	
LGERS	Landing Gear Extension and Retraction System	
LGMS	Landing Gear Monitoring System	
LIE	Lightening Indirect Effect	
LOC	Localizer	
LOM	List of Modifications	
LP	Low Pressure	
LPGC	Low Pressure Ground Cart	
LS	Landing System	
LVDT	Linear Variable Differential Transducer	
LW	Landing Weight	
<b>M</b>		
MAC	Mean Aerodynamic Chord	
MAINT	Maintenance	
MCA	Maintenance Central Access	
MAN	Manual	
MEA	Minimum Enroute Altitude	
MECH	Mechanics	
MEL	Minimum Equipment List	
MES	Main Engine Start	
MFD	Multipurpose Flight Display	
MFP	Multifunction Probe	
MLA	Maneuver Load Alleviation	
MLG	Main Landing Gear	
MLS	Microwave Landing System	
MLW	Maximum Landing Weight	

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AIRCRAFT:  
Airbus A320

**LIST OF ACRONYMS**

ACRONYM	DEFINITION
MM	Maintenance Message
MMEL	Master Minimum Equipment List
MMO	Maximum Operating Mach
MMR	Multi-Mode Receiver
MNPS	Minimum Navigation Performance Specification
Mod.	Modification
MON	Monitoring
MORA	Minimum On-Route Altitude
MP	Modification Proposal
MPC	Maximum Passenger Capacity
MPZC	Maximum Permitted Zone Capacity
MSA	Minimum Safe Altitude
MTS	Mixer Temperature Sensor
<b>N</b>	
N <sub>1</sub>	Engine Low Pressure Rotor Speed
N <sub>2</sub>	Engine Intermediate Pressure Rotor Speed
N <sub>3</sub>	Engine High Pressure Rotor Speed
N/A	Not Applicable
NAA	National Aviation Authority
NAV	Navigation
NAVAIDS	Navigation Aids
NBSLV	Normal Brake Selector Valve
NEF	Nonessential Equipment and Furnishings
ND	Navigation Display
NDU	Navigation Display Unit
NLG	Nose Landing Gear
NRV	Negative Relief Valve
NSV	Normal Servo Valve
NWS	Nose Wheel Steering
<b>O</b>	
OAT	Outside Air Temperature
OCL	Oceanic Clearance
OCU	Outflow Valve Control Unit
ODMS	Oil Debris Monitoring System
OEI	One Engine Inoperative
OFV	Outflow Valve
OHDC	Over Heat Detection Card
OIS	Onboard Information System
OMT	Onboard Maintenance Terminal
OPS	Operations
ORV	Overpressure Relief Valve
OSFC	Open-World Server Function Cabinet
OVRD	Override

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AIRCRAFT:  
Airbus A320**LIST OF ACRONYMS**

ACRONYM	DEFINITION
<b>P</b>	
P/N	Part Number
PA	Passenger Address
PAX	Passenger
pb	Push Button
pb-sw	Push Button Switch
PBE	Portable Breathing Equipment
PBSELV	Park Brake Selector Valve
PCU	Power Control Unit
PDF	Portable Document Format
PDMMF	Power Distribution Monitoring and Maintenance Function
PDS	Pack Discharge Temperature Sensor
PED	Portable Electronic Device
PERF	Performance
PF	Pilot Flying
PFCS	Primary Flight Control System
PFD	Primary Flight Display
PFDU	Primary Flight Display Unit
PFR	Post-Flight Report
PFS	Pack Flow Sensor
PFTU	Pedal Feel Trim Unit
PHC	Probes Heat Computer
PLD	Partial Lift Dumping
PLT	Pre-Land Test
PLV	Pressure Limiting Valve
PM	Pilot Monitoring
PRA	Particular Risk Analysis
PRAM	Prerecorded Announcement and Music Reproducer
PRIM	PRIMary Flight Control and Guidance Computer
PRSOV	Pressure Regulation and Shutoff Valve
PRV	Pressure Regulation Valve
PSU	Power Supply Unit
<b>Q</b>	
QNH	Sea Level Atmospheric Pressure
QRH	Quick Reference Handbook
<b>R</b>	
RA	Radio Altitude
RAT	Ram Air Turbine
RBCU	Remote Braking Control Unit
RCCB	Remote Control Circuit Breaker
RGAU	Rate Gyro-Accelerometer Unit
RH	Right Hand
RMP	Radio Management Panel
RNAV	Area Navigation
RNP	Required Navigation Performance
RNP-AR	Required Navigation Performance with Authorization Required

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AIRCRAFT:  
Airbus A320**LIST OF ACRONYMS**

ACRONYM	DEFINITION
ROP	Runway Overrun Protection
ROW	Runway Overrun Warning
RSVR	Reservoir
RTO	Rejected Takeoff
RTOW	Rejected Takeoff Weight
RVSM	Reduced Vertical Separation Minimum
<b>S</b>	
SAT	Static Air Temperature
SATCOM	Satellite Communication
SB	Service Bulletin
SCI	Secure Communication Interface
SD	System Display
SDU	System Display Unit
SEC	SECondary Flight Control Computer
SELCAL	Selective Call
SFCC	Slat/Flap Control Computer
SFD	Standby Flight Display
SID	Standard Instrument Departure
SLS	Satellite Landing System
SND	Standby Navigation Display
SOH	Summary of Highlights
SOP	Standard Operating Procedure
SPD	Speed
SPDB	Secondary Power Distribution Box
SPP	Software Pin Programing
SPU	Starter Power Unit
SSA	System Safety Assessment
SSPC	Solid State Power Contactor
STAR	Standard Terminal Arrival Route
STBY	Standby
SURV	Surveillance
SYS	System
<b>T</b>	
TAC	Taxiing Aid Camera
TACKV	Trim Air Non-Return Check Valve
TACS	Taxiing Aid Camera System
TAPRV	Trim Air Pressure Regulating Valve
TAPS	Trim Air Pressure Sensor
TAS	True Airspeed
TASOV	Trim Air Shutoff Valve
TAT	Total Air Temperature
TAV	Trim Air Valve
TAWS	Terrain Awareness and Warning System
TCAS	Traffic Alert and Collision Avoidance System
TCS	Temperature Control System
TCV	Temperature Control Valve
THR	Thrust

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Airbus A320

**LIST OF ACRONYMS**

ACRONYM	DEFINITION
THS	Trimmable Horizontal Stabilizer
TOC	Table of Contents
TOGA	Takeoff/Go-Around
TOS	Takeoff Securing
TOW	Takeoff Weight
TPIC	Tire Pressure Indicating Computer
TPIS	Tire Pressure Indicating System
TR	Transformer Rectifier Unit
TSM	Trouble Shooting Manual
TTL	Taxi, Takeoff, and Landing
TWDC	Tank Wall Data Concentrator
<b>U</b>	
UCV	Unpressurized Compartment Ventilation
UERF	Uncontained Engine Rotor Failure
ULD	Unit Load Device
UTC	Universal Coordinated Time
<b>V</b>	
V <sub>1</sub>	Critical Engine Failure Speed
V <sub>2</sub>	Takeoff Safety Speed
V/S	Vertical Speed
VAC	Voltage Alternating Current
VAPP	Approach Speed
VC	Variable Camber
VCC	Video Control Center
VCRU	Vapor Cycle Refrigeration Unit
VCS	Ventilation Control System
VD	Vertical Display
VENT	Ventilation
VFE	Maximum Speed for each Flap Configuration
VFG	Variable Frequency Generator
VFR	Visual Flight Rules
VHF	Very High Frequency
VIGV	Variable Inlet Guide Vane
VLE	Max Landing Gear Extended Speed
VMC	Visual Meteorological Conditions
VMCA	Minimum Control Speed in Flight
VMCG	Minimum Control Speed on Ground
VMO	Maximum Operating Speed
VMU	Minimum Unstick Speed
VOZC	Volatile Organic Compound and Ozone Converter
VOR	VHF Omnidirectional Range
VQAR	Virtual Quick Access Recorder
VR	Rotation Speed
VS	Reference Stalling Speed
VTP	Vertical Tail Plane

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ACRONYM	DEFINITION	
<b>W</b>		
W&ES	Wing and Engine Scan (lights)	
W	Weight	
WBBC	Weight and Balance Backup Computation	
WBS	Weight and Balance System	
WD	Warning Display	
WDU	Warning Display Unit	
WETS	Water Extractor Temperature Sensor	
WIPS	Wing Ice Protection System	
WRDC	Wheel Remote Data Concentrator	
WTB	Wing Tip Brake	
WV	Weight Variant	
WX	Weather	
<b>X</b>		
XML	Extensible Markup Language	



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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**21. Air Conditioning**

Sequence No.	Item	1	2	3	4	Change Bar
21-00	CLASS II MAINTENANCE MESSAGES DISPLAYED ON ECAM STATUS PAGE OF ECAM SYSTEM DISPLAY					
1)	Fault(s) Indicated by PACK 1(2) (Without Mod. 30626/ MP K6443)	C	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
2)	Fault(s) Indicated by ZONE CONT (Without Mod. 30626/ MP K6443)	C	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
3) ***	Fault(s) Indicated by AFT CRG HEAT	C	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
4)	Fault(s) Indicated by TEMP CTL 1(2) (With Mod. 30626/ MP K6443)	C	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
5)	Fault(s) Indicated by CPC 1(2) (With Mod. 162159/ MP P20466 and Mod. 152530/ MP K15280)	C	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 21. Air Conditioning

Sequence No.	Item	1	2	3	4	Change Bar
21-21-01	Cabin Fans	C	2	1	(M) One may be inoperative provided affected cabin fan is deactivated.	
21-21-02	CAB FAN pb Switch					
1)	OFF Light	C	1	0	May be inoperative.	
21-23-01	Lavatory and Galley Extraction Fan					
1)	Aircraft without Mod. 22561/MP K2335	C	1	0	(M)(O) May be inoperative provided: a) Lavatory and galley extraction fan is deactivated, b) Cabin duct temperatures are available on ECAM, c) Restrictions for an inoperative lavatory smoke detector system are applied, and d) GSM ON BOARD system (Mod. 36790/MP K10889) is deactivated.	       
2)	Aircraft with Mod. 22561/MP K2335	C	1	0	(M)(O) May be inoperative provided: a) Lavatory and galley extraction fan is deactivated, b) Cabin duct temperatures are available on ECAM, and c) GSM ON BOARD system (Mod. 36790/MP K10889) is deactivated.	     

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**21. Air Conditioning**

Sequence No.	Item	1	2	3	4	Change Bar
21-26-01	Blower Fan	C	1	0	(M)(O) May be inoperative provided: a) Extract fan operates normally, b) BLOWER pb switch is set to OVRD, c) Both packs are operative, d) VENT AVNCS SYS FAULT ECAM caution is not present, and e) FL 270 is not exceeded on airplanes with Mod. 20056.	
		C	1	0	(M)(O) May be inoperative provided: a) Extract fan operates normally, b) BLOWER pb switch is set to OVRD, c) Both packs are operative, d) Air conditioning inlet valve is verified open prior to each flight, and e) FL 270 is not exceeded on airplanes with Mod. 20056.	
		C	1	0	(M)(O) May be inoperative provided: a) Extract fan operates normally, b) BLOWER pb switch is set to OVRD, c) Both packs are operative, d) Air conditioning inlet valve is secured open, e) FL 270 is not exceeded on airplanes with Mod. 20056, and f) AEVC test is performed before each flight.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 21. Air Conditioning

Sequence No.	Item	1	2	3	4	Change Bar
21-26-02	Extract Fan	C	1	0	(M)(O) May be inoperative provided: a) Blower fan operates normally, b) EXTRACT pb-sw is set at OVRD, c) Both packs are operative, d) VENT AVNCS SYS FAULT ECAM caution is not present, and e) Outside air temperature (OAT) and time on ground with electrical power on are limited as follows: OAT < 38°C – No limit OAT 39-45°C – 3 hours OAT 46-50°C – 2 hours OAT 51-54°C – 35 minutes.	
		C	1	0	(M)(O) May be inoperative provided: a) Blower fan operates normally, b) EXTRACT pb-sw is set at OVRD, c) Both packs are operative, d) Air conditioning inlet valve is verified open prior to each flight, and e) Outside air temperature (OAT) and time on ground with electrical power on are limited as follow: OAT < 38°C – No limit OAT 39-45°C – 3 hours OAT 46-50°C – 2 hours OAT 51-54°C – 35 minutes.	
(Continued)						

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**21. Air Conditioning**

Sequence No.	Item	1	2	3	4	Change Bar
21-26-02	Extract Fan (Cont'd)	C	1	0	(M)(O) May be inoperative provided: a) Blower fan operates normally, b) EXTRACT pb-sw is set at OVRD, c) Both packs are operative, d) Air conditioning inlet valve is secured open, e) Outside air temperature (OAT) and time on ground with electrical power on are limited as follows: OAT<38°C – No limit OAT 39-45°C – 3 hours OAT 46-50°C – 2 hours OAT 51-54°C – 35 minutes, and f) AEVC test is performed before each flight.	
21-26-03	Skin Exchanger Inlet Bypass Valve	C	1	0	(M)(O) May be inoperative provided: a) Valve is secured closed, and b) AEVC test is performed before each flight.	
21-26-04	Skin Air Outlet Valve	C	1	0	(M)(O) May be inoperative provided: a) Internal flap is manually secured to open position, b) Extract valve (skin air outlet valve) is displayed in partially open position (amber or green) on ECAM CAB PRESS page, c) Both packs are operative, d) Skin exchanger isolation valve is secured open, and e) AEVC test is performed before each flight.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 21. Air Conditioning

Sequence No.	Item	1	2	3	4	Change Bar
21-26-05	Skin Air Inlet Valve	C	1	0	(M)(O) May be inoperative provided: a) Valve is secured closed, b) Air conditioning inlet valve is verified open before each flight, c) Both packs are operative, and d) AEVC test is performed before each flight.	
		C	1	0	(M)(O) May be inoperative provided: a) Valve is secured closed, b) Air conditioning inlet valve is secured open, c) Both packs are operative, and d) AEVC test is performed before each flight.	
21-26-06	Skin Exchanger Isolation Valve	C	1	0	(M)(O) May be inoperative in open position provided AEVC test is performed before each flight.	
		C	1	0	(M)(O) May be inoperative provided: a) Valve is secured open, and b) AEVC test is performed before each flight.	
21-26-07	Skin Exchanger Outlet Bypass Valve	C	1	0	May be inoperative.	
21-26-08	Air Conditioning Inlet Valve	C	1	0	(M)(O) May be inoperative provided: a) Valve is secured open, b) Both packs are operative, and c) AEVC test is performed before each flight.	

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AIRCRAFT:  
Airbus A320**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**21. Air Conditioning**

Sequence No.	Item	1	2	3	4	Change Bar
21-26-09	Ventilation Filters	C	1	0	(O) May be inoperative provided: a) Blower and extract fans operate normally, b) EXTRACT pb switch is set at OVRD, c) Both packs are operative, and d) VENT AVNCS SYS FAULT ECAM caution is not present.	
		C	1	0	(M)(O) May be inoperative provided: a) Blower and extract fans operate normally, b) EXTRACT pb switch is set at OVRD, c) Both packs are operative, and d) Air conditioning inlet valve is verified open prior to each flight.	
		C	1	0	(M)(O) May be inoperative provided: a) Blower and extract fans operate normally, b) EXTRACT pb switch is set at OVRD, c) Both packs are operative, d) Air conditioning inlet valve is secured open, and e) AEVC test is performed before each flight.	
21-26-10	Avionics Equipment Ventilation Computer (AEVC)	C	1	0	(M)(O) May be inoperative provided: a) Extract fan is verified to operate normally prior to each flight, b) BLOWER and EXTRACT pb switches are set to OVRD, c) Air conditioning inlet valve and extract valve (skin air outlet valve) are verified in the proper position prior to each flight, d) Both packs are operative, and e) Skin air inlet valve is secured closed.	

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AIRCRAFT:  
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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**21. Air Conditioning**

Sequence No.	Item	1	2	3	4	Change Bar
21-26-11	BLOWER FAULT Caution on ECAM	C	1	0	(M)(O) May be inoperative provided: a) Blower fan is verified operative prior to each flight, b) VENT AVNCS SYS FAULT caution is available on ECAM, and c) EXTRACT FAULT caution is not present on ECAM.	
		C	1	0	May be inoperative provided blower fan is considered inoperative.	
21-26-12	EXTRACT FAULT Caution on ECAM	C	1	0	(M)(O) May be inoperative provided: a) Extract fan is verified to operate normally before each flight, b) VENT AVNCS SYS FAULT caution is available on ECAM, and c) BLOWER FAULT caution is not present on ECAM.	
		C	1	0	May be inoperative provided extract fan is considered inoperative.	
21-26-13	BLOWER pb Switch					
1)	FAULT Light	C	1	0	May be inoperative.	
21-26-14	EXTRACT pb Switch					
1)	FAULT Light	C	1	0	May be inoperative.	
21-26-15	ECAM CAB PRESS Indications	C	2	0	INLET and EXTRACT indications may be inoperative.	



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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 21. Air Conditioning

Sequence No.	Item	1	2	3	4	Change Bar
21-26-16 ***	Avionics Extract/Blower Vibration Monitor Unit (VMU) STC No. ST02356LA	D	2	0	(O) May be inoperative provided AVNCS VENT System operates normally.	
21-27-01 ***	Avionics Equipment Ground Cooling System	D	1	0	(O) May be inoperative provided: a) GND COOL pb-sw is set at OFF, and b) Both associated skin valves are checked closed on <u>CAB PR SD</u> page.	
		D	1	0	(M)(O) May be inoperative provided both associated skin valves are secured closed.	
21-28-01 ***	Forward Cargo Extraction Fan	D	1	0	(O) May be inoperative provided FWD ISOL VALVE pb-sw is set at OFF.	
21-28-02 ***	Forward Cargo Isolation Valves	D	2	0	(O) May be inoperative provided: a) Both valves are closed, and b) FWD ISOL VALVE FAULT Light operates normally.	
		D	2	0	(M) May be inoperative provided both valves are secured closed.	
21-28-03 ***	FWD ISOL VALVE Fault Light	D	1	0	May be inoperative.	
21-28-04 ***	Aft Cargo Extraction Fan	D	1	0	(O) May be inoperative provided AFT ISOL VALVE pb-sw is set at OFF.	

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AIRCRAFT:  
Airbus A320**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**21. Air Conditioning**

Sequence No.	Item	1	2	3	4	Change Bar
21-28-05 ***	Aft Cargo Isolation Valves	D	2	0	(O) May be inoperative provided: a) Both valves are closed, and b) AFT ISOL VALVE FAULT Light operates normally.	
		D	2	0	(M) May be inoperative provided both valves are secured closed.	
21-28-06 ***	Aft Cargo AFT ISOL VALVE Fault Light	D	1	0	May be inoperative.	
21-31-01	Automatic Cabin Pressure Control Systems (CPC, Outflow Valve AUTO Channels)	C	2	0	(O) May be inoperative provided: a) Flight is conducted in an unpressurized configuration, and b) Extended overwater flight is prohibited.	
1)	System 1	A	1	0	(M)(O) Except for ETOPS, may be inoperative provided: a) CPC 1 is deactivated, b) Manual Mode is verified to operate normally, c) Cabin pressure indications are available on ECAM CAB PRESS Page in manual Mode, d) Both FCU channels operate normally, e) System 2 operates normally, and f) Repairs are made within 3 flight-days.	
2)	System 2	C	1	0	(M)(O) May be inoperative provided: a) CPC 2 is deactivated, b) Manual Mode is verified to operate normally, c) Cabin pressure indications are available on ECAM CAB PRESS Page in manual Mode, d) Both FCU channels operate normally, and e) System 1 operates normally.	

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**21. Air Conditioning**

Sequence No.	Item	1	2	3	4	Change Bar
21-31-02	Manual Cabin Pressure Control Systems (Outflow Valve MAN Channel, MAN V/S CTL Sel)	C	1	0	(M) May be inoperative provided both auto cabin pressure control systems are verified to operate normally before each flight.	
		C	1	0	(O) May be inoperative provided: <ol style="list-style-type: none"> <li>a) Flight is conducted in an unpressurized configuration,</li> <li>b) Extended overwater flight is prohibited, and</li> <li>c) Avionics equipment ventilation system operates normally.</li> </ol>	
21-31-04	Safety Valves	C	2	1	(M) May be inoperative closed provided: <ol style="list-style-type: none"> <li>a) Both automatic cabin pressure control systems operate normally, and</li> <li>b) The three outflow valve motors operate normally.</li> </ol>	
21-31-05	Landing Elevation Selection System					
1)	AUTO Function	C	1	0	(O) May be inoperative provided LDG ELEV is set to destination field elevation altitude.	
21-31-06	MODE SEL FAULT Light	C	1	0	(O) May be inoperative provided SYS 1 and SYS 2 indications on ECAM CAB PRESS page are available.	
21-31-07	Safety Valves Position Indication on ECAM CAB PRESS Page	C	1	0	(M) May be inoperative provided both safety valves are visually verified closed.	
21-31-08	SAFETY VALVE OPEN Caution on ECAM	C	1	0	(M) May be inoperative provided both safety valves are visually verified closed.	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**21. Air Conditioning**

Sequence No.	Item	1	2	3	4	Change Bar
21-43-01 ***	Fwd Cargo Compartment Heating System	C	1	0	(O) May be inoperative provided: a) HOT AIR pb-sw is set to OFF, and b) Hot air pressure regulating valve is checked closed on <u>COND</u> SD page.	
					NOTE: With hot air pressure regulating valve closed, unequal passenger distribution may cause high temperature in rear cabin.	
		D	1	0	(M)(O) May be inoperative provided associated trim air valve is secured closed.	
		C	1	0	(M)(O) May be inoperative provided hot air pressure regulating valve is secured closed.	
					NOTE: With hot air pressure regulating valve closed, unequal passenger distribution may cause high temperature in rear cabin.	
		D	1	0	(O) May be inoperative provided: a) FWD ISOL VALVE pb-sw is set to OFF, and b) FWD cargo compartment trim air valve is checked closed on <u>COND</u> SD page.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
----------------------------------	--

## 21. Air Conditioning

Sequence No.	Item	1	2	3	4	Change Bar
21-43-02 ***	Aft Cargo Compartment Heating Systems	D	1	0	(O) Associated hot air pressure regulating valve or trim air valve may be inoperative provided: <ol style="list-style-type: none"> <li>a) Heating system is switched OFF, and</li> <li>b) Operative valve is verified closed on ECAM.</li> </ol>	
		D	1	0	(M)(O) Associated hot air pressure regulating valve and trim air valve may be inoperative provided one of these valves is secured closed.	
21-51-01	Pack Flow Control Valves (Without Mod. 30626/ MP K6443 (Enhanced ECS))	C	2	1	(M) Except for ETOPS, one may be inoperative provided: <ol style="list-style-type: none"> <li>a) Valve is secured closed, and</li> <li>b) Associated air conditioning pack is considered inoperative.</li> </ol>	
		C	2	0	(M)(O) Except for ETOPS, may be inoperative provided: <ol style="list-style-type: none"> <li>a) Flight is conducted in an unpressurized configuration,</li> <li>b) Avionics equipment ventilation system operates normally,</li> <li>c) Outside air temperature (OAT) is less than 38 °C,</li> <li>d) Both packs are switched OFF,</li> <li>e) Both pack flow control valves are secured closed, and</li> <li>f) Flight is conducted with no passengers on board.</li> </ol>	

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**21. Air Conditioning**

Sequence No.	Item	1	2	3	4	Change Bar
21-51-02	Pack Flow Selections					
1)	A319/A320 or A321 with Mod. 157080/MP K17996	C	3	1	LO and/or NORM may be inoperative.	
2)	A321 without Mod. 157080/MP K17996	C	2	1	ECON FLOW may be inoperative.	
3)	A318	C	2	1	HI may be inoperative.	
21-51-03	PACK pb Switch					
1)	FAULT Lights	C	2	0	One or both may be inoperative.	
2)	OFF Lights	C	2	0	One or both may be inoperative.	
21-51-06	Pack Flow Sensor (Aircraft with Mod. 30626)	C	2	1	(O) One may be inoperative provided the HOT AIR pb switch is selected OFF.  NOTE: For aircraft equipped with forward cargo compartment heating (Mod. 20082), refer to Livestock Transportation Manual.	
21-52-01	Packs	C	2	0	(O) Except for ETOPS, may be inoperative provided: <ol style="list-style-type: none"> <li>a) Flight is conducted in an unpressurized configuration,</li> <li>b) Avionics equipment ventilation system operates normally,</li> <li>c) Outside air temperature (OAT) is less than 38 °C, and</li> <li>d) Flight is conducted with no passengers on board.</li> </ol>	
(Continued)						

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

Sequence No.	Item	1	2	3	4	Change Bar
21-52-01	Packs (Cont'd)					
1)	A319 without Mod. 30626/ MP K6443 (Enhanced ECS)	C	2	1	<p>(O) Except for ETOPS, one may be inoperative provided:</p> <ul style="list-style-type: none"> <li>a) Airplane remains at or below FL 310,</li> <li>b) COND ZONE REGUL FAULT caution is not displayed on ECAM,</li> <li>c) Affected pack pb-sw is set to OFF,</li> <li>d) Pack flow control valve is verified closed on ECAM BLEED page,</li> <li>e) PACK FLOW selector is set to HI, and</li> <li>f) Avionics equipment ventilation system operates normally.</li> </ul> <p>NOTE: Proviso d) does not apply if pack valve has been secured closed as per item 21-51-01.</p>	
		C	2	1	<p>(O) Except for ETOPS, one may be inoperative provided:</p> <ul style="list-style-type: none"> <li>a) Airplane remains at or below FL 370,</li> <li>b) COND ZONE REGUL FAULT caution is not displayed on ECAM,</li> <li>c) Affected pack pb-sw is set to OFF,</li> <li>d) Pack flow control valve is verified closed on ECAM BLEED page,</li> <li>e) PACK FLOW selector is set to HI,</li> <li>f) Avionics equipment ventilation system operates normally, and</li> <li>g) Speedbrakes operate normally.</li> </ul> <p>NOTE: Proviso d) does not apply if pack valve has been secured closed as per item 21-51-01.</p>	
					(Continued)	

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**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**21. Air Conditioning**

Sequence No.	Item	1	2	3	4	Change Bar
21-52-01	Packs (Cont'd)					
2)	A320 without Mod. 30626/ MP K6443 (Enhanced ECS)	C	2	1	(O) Except for ETOPS, one may be inoperative provided: a) Airplane remains at or below FL 310, b) COND ZONE REGUL FAULT caution is not displayed on ECAM, c) Affected pack pb-sw is set to OFF, d) Pack flow control valve is verified closed on ECAM BLEED page, e) PACK FLOW selector is set to HI, and f) Avionics equipment ventilation system operates normally.  NOTE: Proviso d) does not apply if pack valve has been secured closed as per item 21-51-01.	
		C	2	1	(O) Except for ETOPS, one may be inoperative provided: a) COND ZONE REGUL FAULT caution is not displayed on ECAM, b) Affected pack pb-sw is set to OFF, c) Pack flow control valve is verified closed on ECAM BLEED page, d) PACK FLOW selector is set to HI, e) Avionics equipment ventilation system operates normally, and f) Speedbrakes operate normally.  NOTE: Proviso c) does not apply if pack valve has been secured closed as per item 21-51-01.	
(Continued)						



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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**21. Air Conditioning**

Sequence No.	Item	1	2	3	4	Change Bar
21-52-01	Packs (Cont'd)					
3)	A321 without Mod. 30626/ MP K6443 (Enhanced ECS)	C	2	1	(O) Except for ETOPS, one may be inoperative provided: a) Airplane remains at or below FL 310, b) COND ZONE REGUL FAULT caution is not displayed on ECAM, c) Affected pack pb-sw is set to OFF, d) Pack flow control valve is verified closed on ECAM BLEED page, e) ECON FLOW pb-sw is selected OFF, and f) Avionics equipment ventilation system operates normally.  NOTE: Proviso d) does not apply if pack valve has been secured closed as per item 21-51-01.	
		C	2	1	(O) Except for ETOPS, one may be inoperative provided: a) COND ZONE REGUL FAULT caution is not displayed on ECAM, b) Affected pack pb-sw is set to OFF, c) Pack flow control valve is verified closed on ECAM BLEED page, d) ECON FLOW pb-sw is selected OFF, e) Avionics equipment ventilation system operates normally, and f) Speedbrakes operate normally.  NOTE: Proviso c) does not apply if pack valve has been secured closed as per item 21-51-01.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 21. Air Conditioning

Sequence No.	Item	1	2	3	4	Change Bar
21-52-01	Packs (Cont'd)					
4)	A318	C	2	1	(M)(O) Except for ETOPS, one may be inoperative provided: a) Airplane remains at or below FL 310, b) AIR PACK 1(2) REGUL FAULT, AIR COND CTL 1(2)-A FAULT, and AIR COND CTL 1(2)-B FAULT cautions associated with operative side are not displayed on ECAM, c) Affected pack pb-sw is set to OFF, d) HI FLOW pb-sw is set to ON, e) Avionics equipment ventilation system operates normally, and f) Pack flow control valve is secured closed.	
		C	2	1	(M)(O) Except for ETOPS, one may be inoperative provided: a) Airplane remains at or below FL 350, b) AIR PACK 1(2) REGUL FAULT, AIR COND CTL 1(2)-A FAULT, and AIR COND CTL 1(2)-B FAULT cautions associated with operative side are not displayed on ECAM, c) Affected pack pb-sw is set to OFF, d) HI FLOW pb-sw is set to ON, e) Avionics equipment ventilation system operates normally, f) Speedbrakes operate normally and g) Pack flow control valve is secured closed.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 21. Air Conditioning

Sequence No.	Item	1	2	3	4	Change Bar
21-52-01	Packs (Cont'd)					
5)	A319 with Mod. 30626/ MP K6443 (Enhanced ECS)	C	2	1	(M)(O) Except for ETOPS, one may be inoperative provided: a) Airplane remains at or below FL 310, b) AIR PACK 1(2) REGUL FAULT, AIR COND CTL 1(2)-A FAULT, and AIR COND CTL 1(2)-B FAULT cautions associated with operative side are not displayed on ECAM, c) Affected pack pb-sw is set to OFF, d) PACK FLOW selector is set to HI, e) Avionics equipment ventilation system operates normally, and f) Pack flow control valve is secured closed.	
		C	2	1	(M)(O) Except for ETOPS, one may be inoperative provided: a) Airplane remains at or below FL 370, b) AIR PACK 1(2) REGUL FAULT, AIR COND CTL 1(2)-A FAULT, and AIR COND CTL 1(2)-B FAULT cautions associated with operative side are not displayed on ECAM, c) Affected pack pb-sw is set to OFF, d) PACK FLOW selector is set to HI, e) Avionics equipment ventilation system operates normally, f) Speedbrakes operate normally and g) Pack flow control valve is secured closed.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 21. Air Conditioning

Sequence No.	Item	1	2	3	4	Change Bar
21-52-01	Packs (Cont'd)					
6)	A320 with Mod. 30626/ MP K6443 (Enhanced ECS) or A321 with Mod. 157080/ MP K17996 (PACK FLOW selector) and with Mod. 30626/ MP K6443 (Enhanced ECS)	C	2	1	(M)(O) Except for ETOPS, one may be inoperative provided: a) Airplane remains at or below FL 310, b) AIR PACK 1(2) REGUL FAULT, AIR COND CTL 1(2)-A FAULT, and AIR COND CTL 1(2)-B FAULT cautions associated with operative side are not displayed on ECAM, c) Affected pack pb-sw is set to OFF, d) PACK FLOW selector is set to HI, e) Avionics equipment ventilation system operates normally, and f) Pack flow control valve is secured closed.	
		C	2	1	(M)(O) Except for ETOPS, one may be inoperative provided: a) AIR PACK 1(2) REGUL FAULT, AIR COND CTL 1(2)-A FAULT, and AIR COND CTL 1(2)-B FAULT cautions associated with operative side are not displayed on ECAM, b) Affected pack pb-sw is set to OFF, c) PACK FLOW selector is set to HI, d) Avionics equipment ventilation system operates normally, e) Speedbrakes operate normally and f) Pack flow control valve is secured closed.	
(Continued)						

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**21. Air Conditioning**

Sequence No.	Item	1	2	3	4	Change Bar
21-52-01	Packs (Cont'd)					
7)	A321 without Mod. 157080/ MP K17996 (PACK FLOW selector) and with Mod. 30626/ MP K6443 (Enhanced ECS)	C	2	1	(M)(O) Except for ETOPS, one may be inoperative provided: a) Airplane remains at or below FL 310, b) AIR PACK 1(2) REGUL FAULT, AIR COND CTL 1(2)-A FAULT, and AIR COND CTL 1(2)-B FAULT cautions associated with operative side are not displayed on ECAM, c) Affected pack pb-sw is set to OFF, d) ECON FLOW pb-sw is set to OFF, e) Avionics equipment ventilation system operates normally, and f) Pack flow control valve is secured closed.	
		C	2	1	(M)(O) Except for ETOPS, one may be inoperative provided: a) AIR PACK 1(2) REGUL FAULT, AIR COND CTL 1(2)-A FAULT, and AIR COND CTL 1(2)-B FAULT cautions associated with operative side are not displayed on ECAM, b) Affected pack pb-sw is set to OFF, c) ECON FLOW pb-sw is set to OFF, d) Avionics equipment ventilation system operates normally, e) Speedbrakes operate normally and f) Pack flow control valve is secured closed.	
(Continued)						

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**21. Air Conditioning**

Sequence No.	Item	1	2	3	4	Change Bar
21-52-01	Packs (Cont'd)					
8)	Air Cycle Machine (ACM)	C	2	0	(O) Except for ETOPS, may be inoperative provided: <ul style="list-style-type: none"> <li>a) Flight is conducted in an unpressurized configuration,</li> <li>b) Avionics equipment ventilation system operates normally,</li> <li>c) Outside air temperature (OAT) is less than 38 °C, and</li> <li>d) Flight is conducted with no passengers on board.</li> </ul>	
a)	A319, A320, A321 without Mod. 30626/ MP K6443 (Enhanced ECS)	C	2	1	(O) One pack may be operated on heat exchanger cooling only provided: <ul style="list-style-type: none"> <li>a) Affected pack's compressor outlet temperature indication is available on ECAM BLEED page,</li> <li>b) TAT indication is available,</li> <li>c) Corresponding pack controller operates normally,</li> <li>d) Affected pack is not used until airborne,</li> <li>e) TAT is at or below 12 °C, and</li> <li>f) Avionics equipment ventilation system operates normally.</li> </ul> <p>NOTE: FL 310 or below must be maintained if normal operating pack fails.</p>	
(Continued)						

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

## 21. Air Conditioning

Sequence No.	Item	1	2	3	4	Change Bar
21-52-01	Packs (Cont'd)					
8)	Air Cycle Machine (ACM) (Cont'd)					
b)	A318/A319/ A320/A321 with Mod. 30626/MP K6443 (Enhanced ECS)	C	2	1	(O) One pack may be operated on heat exchanger cooling only provided: a) Affected pack's compressor outlet temperature indication is available on ECAM BLEED page, b) TAT indication is available, c) AIR COND CTL 1(2)-A FAULT and AIR COND CTL 1(2)-B FAULT cautions associated with operative side are not displayed on ECAM, d) Affected pack is not used until airborne, e) TAT is at or below 12 °C, and f) Avionics equipment ventilation system operates normally.  NOTE: FL 310 or below must be maintained if normal operating pack fails.	
21-52-02	Air Cond Pack Ram Air Inlet Flaps					
1)	Without Mod. 24371	C	2	0	(M) May be inoperative in the open position provided backlash is verified within limits.	
		C	2	0	(O) May be inoperative in the closed position provided the associated pack(s) is (are) not used.	
					(Continued)	

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**21. Air Conditioning**

Sequence No.	Item	1	2	3	4	Change Bar
21-52-02	Air Cond Pack Ram Air Inlet Flaps (Cont'd)					
2)	With Mod. 24371	C	2	0	(M) May be inoperative in the open position.	
		C	2	0	(O) May be inoperative in the closed position provided the associated pack(s) is (are) not used.	
21-52-03	Air Cond Pack Ram Air Outlet Flaps (Without Mod. 26249)	C	2	0	(M) May be inoperative in the open position provided backlash is verified within limits.	
		C	2	0	(O) May be inoperative in the closed position provided the associated pack(s) is (are) not used.	
21-55-01	Emergency Ram Air Inlet	C	1	0	(O) Except for ETOPS and extended overwater flight, may be inoperative in the open position for unpressurized flight.	
21-55-02	ECAM Emergency RAM Air Inlet Indication (BLEED SD Page)	C	1	0	(M) May be inoperative provided Ram Air Inlet system is verified to operate normally.	
21-61-01	Pack Temperature Control Primary Channels (Without Mod. 30626)	C	2	1	NOTE: If the primary channel is failed, pack flow is fixed at the value reached at the time of failure. If primary and secondary channels are failed, the pack outlet temperature is controlled by the anti-ice valve to a nominal value of 15 °C.	



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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
----------------------------------	--

## 21. Air Conditioning

Sequence No.	Item	1	2	3	4	Change Bar
21-61-02	Turbine Bypass Valves	C	2	1		
21-63-01	Zone Controller System (A319, A320, A321) (Without Mod. 30626)					
1)	Primary Channel	C	1	0	May be inoperative provided: a) HOT AIR pb switch is selected OFF, and b) Hot air pressure regulating valve is verified closed on ECAM COND page.	
					NOTE: For aircraft equipped with forward cargo compartment heating (Mod. 20082), refer to Livestock Transportation Manual.	
2)	Secondary Channel	C	1	0	May be inoperative provided the minimum idle on ground function is considered inoperative.	
3)	Primary and Secondary Channels	C	2	0	(M) May be inoperative provided: a) Hot air pressure regulating valve is secured closed, and b) The minimum idle on ground function is considered inoperative.	
					NOTE: For aircraft equipped with forward cargo compartment heating (Mod. 20082), refer to Livestock Transportation Manual.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 21. Air Conditioning

Sequence No.	Item	1	2	3	4	Change Bar
21-63-02	Cockpit/Cabin Trim Air Valves					
1)	Without Mod. 30626	C	3	0	(M)(O) May be inoperative provided: a) Affected valve(s) is secured closed, and b) Both pack controllers operate normally.	
		C	3	0	(O) May be inoperative provided: a) HOT AIR pb switch is selected OFF, b) Hot air pressure regulating valve is verified closed on ECAM COND page, and c) Both pack controllers operate normally.	
2)	With Mod. 30626	C	3	0	(O) May be inoperative provided associated valve(s) is confirmed closed on ECAM COND page before each flight.	
		C	3	0	(O) May be inoperative provided hot air pressure regulating valve is confirmed operative on ECAM COND page before each flight.	
		C	3	0	May be inoperative provided the hot air pressure regulating valve is considered inoperative.	
					NOTE: For aircraft equipped with forward cargo compartment heating (Mod. 20082), refer to Livestock Transportation Manual.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 21. Air Conditioning

Sequence No.	Item	1	2	3	4	Change Bar
21-63-03	Hot Air Pressure Regulating Valve					
1)	Without Mod. 30626	C	1	0	(O) May be inoperative in the closed position provided: a) HOT AIR pb switch is selected OFF, and b) Hot air pressure regulating valve is verified closed on ECAM COND page.	
		C	1	0	(M)(O) May be inoperative provided valve is secured closed.  NOTE: For aircraft equipped with forward cargo compartment heating (Mod. 20082), refer to Livestock Transportation Manual.	
2)	With Mod. 30626	C	1	0	(O) May be inoperative in the closed position provided: a) HOT AIR pb switch is selected OFF, and b) Hot air pressure regulating valve is verified closed on ECAM COND page.	
		C	1	0	(O) May be inoperative in the open position provided: a) HOT AIR pb switch is selected OFF, and b) All trim air valves are verified closed on ECAM COND page.	
		C	1	0	(M)(O) May be inoperative provided valve is secured closed.  NOTE: For aircraft equipped with forward cargo compartment heating (Mod. 20082), refer to Livestock Transportation Manual.	

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**21. Air Conditioning**

Sequence No.	Item	1	2	3	4	Change Bar
21-63-04	HOT AIR pb Switch					
1)	Fault Light	C	1	0	May be inoperative provided zone duct temperatures are available on ECAM.	
2)	OFF Light	C	1	0	May be inoperative.	
21-63-05	ECAM Indication					
1)	On COND Page	C	-	0	All indications may be inoperative.	
2)	On CRUISE page	C	-	-	Cabin and cockpit zone indication may be inoperative.	
3)	On Bleed Page					
a)	Pack Outlet Temperature	C	2	0	One or both may be inoperative.	
b)	Pack Turbine Bypass Valve Position	C	2	0	One or both may be inoperative.	
c)	Pack Compressor Outlet Temperature	C	2	0	One or both may be inoperative.	
d)	Pack Flow	C	2	0	One or both may be inoperative.	
e)	Pack Flow Control Valve Position	C	2	0	One or both may be inoperative.	
4)	On CAB PRESS Page	C	-	-	Pack 1 and 2 indications may be inoperative.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 21. Air Conditioning

Sequence No.	Item	1	2	3	4	Change Bar
21-63-06	Air Conditioning System Controller (ACSC) (With Mod. 30626)					
1)	Channels COND CTL 1(2)-A(B)	C	4	2	Except for ETOPS, one on each side may be inoperative.	
		C	4	2	One on each side may be inoperative provided AIR COND CTL 1-B FAULT is not displayed on ECAM E/WD.	
21-63-07	Cockpit Heater (With Mod. 35861/ MP P9801 or Mod. 38212/ MP P10187)	D	2	0	(O) May be inoperative.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 22. Autoflight

Sequence No.	Item	1	2	3	4	Change Bar
22-10-01	Autopilot Systems	C	2	1	(O) One may be inoperative provided approach minimums do not require its use.	
		B	2	0	(O) May be inoperative provided: a) Approach minimums do not require their use, b) Enroute operations do not require their use, and c) Number of flight segments and segment duration is acceptable to flightcrew.  NOTE: Any Mode which operates normally may be used.	
22-10-02	Flight Director Systems	C	2	0	(O) May be inoperative provided: a) Approach minimums do not require their use, and b) Alternate takeoff procedures are established and used.	
22-10-03	Take Over pb Switch					
1)	AP Disconnect Function	C	2	1	(O) One may be inoperative provided: a) Autopilot is not utilized below 1,500 ft. AGL, b) Priority function is verified to operate normally before each departure, and c) Approach minimums do not require the use of autopilot(s).	
		B	2	0	(O) May be inoperative provided: a) Autopilots are not engaged, b) Enroute operations do not require their use, c) Priority function is verified to operate normally before each departure, d) Approach minimums do not require the use of autopilots, and e) Number of flight segments and segment duration is acceptable to flightcrew.	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**22. Autoflight**

Sequence No.	Item	1	2	3	4	Change Bar
22-10-04	Autoland Lights	C	2	0	May be inoperative provided approach minimums do not require use of autoland.	
22-10-05	AP Disengagement Warning System	B	1	0	(O) May be inoperative provided both autopilots are not used.	
22-10-06	Side Sticks and Rudder Locking Solenoids in AP Mode	C	3	1	May be inoperative unlocked provided: a) Autopilot Disconnect Warning operates normally, and b) Autoland is not used.  NOTE: If one of the locking solenoids is inoperative in the unlocked position, the affected side stick or pedals will move freely and the "hard point" will not be felt any longer by the pilots. This may result in an unintentional AP disconnection.	
22-10-07	Autopilot FMA Indications on PFD				Combined with Item 22-83-02.	
22-10-08 ***	AP/FD TCAS mode (With Mod. 152037/MP P11363 and without Mod. 159900/MP P20212)	D	1	0	(O) May be inoperative.	
22-10-09	Soft Go-Around Function (With Mod. 161254/MP P13922)	C	1	0	(O) May be inoperative.	

AIRCRAFT: Airbus A320		TABLE KEY 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS				
22. Autoflight						
Sequence No.	Item	1	2	3	4	Change Bar
22-30-01	Autothrust Function					
1)	Without Soft Go-around Function Mod. 161254/ MP P13922	C	1	0	(M) May be inoperative provided: a) All thrust lever sensors are verified to operate normally, and b) Approach minimums do not require its use.  NOTE: Alpha floor is not available with autothrust function inoperative.	
2)	With Soft Go-around Function Mod. 161254/ MP P13922	C	1	0	(M) May be inoperative provided: a) All thrust lever sensors are verified to operate normally, b) Approach minimums do not require its use, and c) Soft Go-Around function is considered inoperative.  NOTE: Alpha floor is not available with autothrust function inoperative.	
22-30-02	Autothrust Instinctive Disconnect Switches	C	2	1	(O) One may be inoperative provided ability to disconnect A/THR by means of the remaining Instinctive Disconnect pb and by the FCU A/THR pb is verified prior to each departure.	
22-30-03	Autothrust Disengagement Warning System	C	1	0	(O) May be inoperative provided: a) Autothrust is disconnected and is considered inoperative, and b) Approach minimums do not require its use.  NOTE: Alpha floor is not available.	



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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**22. Autoflight**

Sequence No.	Item	1	2	3	4	Change Bar
22-63-01	Yaw Dampers					
1)	System 1	C	1	0	May be inoperative provided: a) System 2 is operative, and b) Approach minimums do not require its use.	
2)	System 2	C	1	0	(M) May be inoperative provided: a) System 2 is deactivated in case of actuator leakage, b) System 1 is operative, and c) Approach minimums do not require its use.	
22-66-01	Flight Augmentation Computers (FAC)					
1)	FAC 2	C	1	0	(M)(O) May be inoperative provided: a) Both FCU channels operate normally, b) ELAC, SEC, ADIRS, SFCC, RA, and LGCIU systems operate normally, and c) Approach minimums do not require its use.  NOTE: Loss of FAC 1 will result in Direct Law Mode at landing gear down.	
22-66-02	FAC pb Switch					
1)	FAULT Lights	C	2	1	One may be inoperative.	
2)	OFF Lights	C	2	0	One or both may be inoperative.	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**22. Autoflight**

Sequence No.	Item	1	2	3	4	Change Bar
22-66-03	Windshear Detection/Guidance and Avoidance Systems					
1)	Windshear Warning and Flight Guidance System (Reactive)	B	-	0	(O) May be inoperative provided alternate procedures are established and used.  NOTE: Operator's alternate procedures should include reviewing windshear avoidance and windshear recovery procedures.	
		C	-	0	(O) May be inoperative provided: a) Alternate procedures are established and used, and b) Windshear Detection and Avoidance System (Predictive) operates normally.	
22-72-01	Flight Management System (FMS)					
1)	FMS 1	C	1	0	(O) Except for ETOPS, may be inoperative provided: a) FMS 2 is operative, and b) Operations/procedures do not require its use.  NOTE: Without Mod. 34825/MP P8799, GPWS Terrain system (installed by Mod. 26526/MP P4885 or Mod. 34637/MP P8454) is considered inoperative.	
(Continued)						

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AIRCRAFT:  
Airbus A320**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**22. Autoflight**

Sequence No.	Item	1	2	3	4	Change Bar
22-72-01	Flight Management System (FMS) (Cont'd)					
2)	FMS 2	C	1	0	(O) May be inoperative provided: a) FMS 1 is operative, and b) Operations/procedures do not require its use.	
3)	Performance Information	C	2	0	(O) May be inoperative provided operations/procedures do not require their use.	
4)	Fuel/Time Predictions	C	2	0	(O) May be inoperative provided operations/procedures do not require their use.	
22-73-01	Performance Information and Vertical Navigation				Relief combined with Item 22-72-01, Flight Management System (FMS), Revision 30.	
22-73-02	Fuel/Time Prediction				Relief combined with Item 22-72-01, Flight Management System (FMS), Revision 30.	
22-75-01 ***	RNP pb switch ON Light	D	1	0	May be inoperative.	
22-75-02 ***	RNP pb switch	D	1	0	May be inoperative provided operations/procedures do not require its use.	
22-76-01	T.O. SURV pb-sw (With Mod. 162728/MP P20485)	C	1	0	(O) May be inoperative provided alternate procedures are established and used.	
22-76-02	T.O. SURV pb-sw OFF Light (With Mod. 162728/MP P20485)	D	1	0	May be inoperative.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 22. Autoflight

Sequence No.	Item	1	2	3	4	Change Bar
22-81-01	FCU					
1)	Channels	B	2	1	(O) Except for ETOPS, one may be inoperative provided 2 RMPs, all DUs, both RAs, both LGCIUs, both FACs, both cabin pressure controllers, the three ADIRS, and standby altimeter (or ISIS Baro-altimeter function) operate normally.	
		A	2	1	(O) One may be inoperative for 1 flight-leg provided 2 RMPs, all DUs, both RAs, both LGCIUs, both FACs, both cabin pressure controllers, the three ADIRS, and standby altimeter (or ISIS Baro-altimeter function) operate normally.	
22-81-02	FMA Indications on PFD					
1)	Autopilot/Flight Director Related Indications	C	2	1	(O) Indications may be inoperative on PNF FMA.	
		B	2	0	(O) Except for ETOPS, indications may be inoperative on both FMAs provided: <ul style="list-style-type: none"> <li>a) Autopilots/Flight Directors are not engaged,</li> <li>b) Enroute operations do not require their use, and</li> <li>c) Approach minimums do not require use of autopilot.</li> </ul>	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**22. Autoflight**

Sequence No.	Item	1	2	3	4	Change Bar
22-81-02	FMA Indications on PFD (Cont'd)					
2)	Autothrust Related Indications	A	2	1	Indications may be inoperative on PNF FMA provided repairs are made within 3 flight-days.	
		C	2	0	(O) Indications may be inoperative on both FMAs provided: a) Autothrust is disconnected and considered inoperative, and b) Approach minimums do not require their use.	
3)	Approach and Landing Capabilities	C	-	-	(O) One or more may be inoperative on one FMA provided approach minimums do not require their use.	
		C	-	0	(O) One or more may be inoperative on both FMAs provided approach minimums do not require use.	
22-81-03	Autoflight Control Panel					
1)	Mode Engagement pb					
a)	LOC	C	1	0	May be inoperative provided approach minimums do not require its use.	
b)	EXPED (Without Mod. 24414/MP P3401)	C	1	0	May be inoperative provided crew procedures do not require its use.	
c)	APPR	C	1	0	(O) May be inoperative provided procedures do not require its use.	
(Continued)						

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AIRCRAFT: Airbus A320	<b>TABLE KEY</b> 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
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**22. Autoflight**

Sequence No.	Item	1	2	3	4	Change Bar
22-81-03	Autoflight Control Panel (Cont'd)					
2)	Selection Windows (Without Mod. 24035, 24160, 23963, or 24211)	C	4	2	SPD MACH and HDG TRK windows may be inoperative provided: a) Associated indications are operative on both PFDs and both NDs, and b) Procedures are not dependent of their use.	
3)	Selection Windows (With Mod. 24035, 24160, 23963, or 24211)	C	4	1	SPD MACH, HDG TRK, and V/S FPA windows may be inoperative provided: a) Associated indications are operative on both PFDs and both NDs, and b) Procedures are not dependent of their use.	
4)	HDG-V/S TRK-FPA Changeover pb	C	1	0	May be inoperative provided: a) HDG-V/S selection is operative, and b) Crew procedures do not require use of pb.	
5)	SPD/MACH Changeover pb	C	1	0	May be inoperative provided SPD selection is operative.	
6)	Metric ALT pb	C	1	0	(O) May be inoperative provided alternate procedures are established and used.	
		D	1	0	May be inoperative provided operations do not require its use.	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**22. Autoflight**

Sequence No.	Item	1	2	3	4	Change Bar
22-81-03	Autoflight Control Panel (Cont'd)					
7)	Engagement pb Light Bars	D	-	0	May be inoperative provided associated indication is available on both PFDs.	
8)	V/S-FPA Selection Knob	C	1	0	May be inoperative provided procedures do not require its use.	
9) ***	V/S-FPA Push-to Level Off Function	C	1	0	(O) May be inoperative provided: a) V/S-FPA selection knob operates normally, and b) Alternate procedures are established and used.	
22-81-04	EFIS Control Panel					
1)	Baro Reference Display Windows	C	2	1	One may be inoperative.	
2)	Baro Reference Sel Outer Ring (Hg/hPa)					
a)	Hg	C	2	0	May be inoperative provided: a) Route of flight does not require its use, and b) Both hPa indications are available on EFIS control panel.	
b)	hPa	C	2	0	May be inoperative provided: a) Route of flight does not require its use, and b) Both Hg indications are available on EFIS control panel.	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**22. Autoflight**

Sequence No.	Item	1	2	3	4	Change Bar
22-81-04	EFIS Control Panel (Cont'd)					
3)	ILS/LS pb	C	2	-	May be inoperative provided the associated ILS, FLS, GLS are considered inoperative.	
4)	Optional Data Display pb	C	10	0	May be inoperative provided operations/procedures do not require their use.	
5)	ND Range	C	2	1	(O) One may be inoperative provided the ND unit associated with the operative ND range selector is operative.	
6)	ND Mode Select	C	2	1	(O) One may be inoperative provided: a) ND unit associated with the operative ND selector is operative, and b) Operations/procedures do not require its use.	
7)	ADF/VOR Sel	C	4	-	As required by 14 CFR.	
8)	Display pb Light Bars	D	14	0	May be inoperative provided associated indication is available on associated PFD or ND.	
22-81-06	Automatic Landing System (AUTOLAND)	C	1	0	May be inoperative provided approach minimums do not require its use.	



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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 22. Autoflight

Sequence No.	Item	1	2	3	4	Change Bar
22-82-01	Multipurpose Control Display Units (MCDU)					
1)	Flightcrew Positions	C	2	1	One may be inoperative provided navigation procedures do not require its use.	
2) ***	Maintenance MCDU	C	1	0	May be inoperative provided first officer's MCDU operates normally.	
3) ***	MCDU Annunciator Lights	C	-	0	One or more may be inoperative.	
22-83-01	Flight Management Guidance Computer (FMGC)					
1)	FMGC 1	A	1	0	(M)(O) Except for ETOPS, may be inoperative provided: <ul style="list-style-type: none"> <li>a) FMGC 1 is deactivated,</li> <li>b) FMGC 2 is operative,</li> <li>c) Alternate procedures are established and used,</li> <li>d) Associated Autopilot and Flight Director are considered inoperative,</li> <li>e) Associated ILS DME displayed on PFD is considered inoperative. (With Mod. 150603/MP P11675), and</li> <li>f) Repairs are made within 3 flight-legs.</li> </ul>	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 22. Autoflight

Sequence No.	Item	1	2	3	4	Change Bar
22-83-01	Flight Management Guidance Computer (FMGC) (Cont'd)					
1)	FMGC 1 (Cont'd)				NOTE 1: (Without Mod. 34825/MP P8799) If FMGC 1 is inoperative, the GPWS Terrain system (installed by Mod. 26526/MP P4885 or Mod. 34637/MP P8454) is considered inoperative.  NOTE 2: When FMGC 1 is deactivated, the F/CTL MAINTENANCE message is displayed on the ECAM STATUS page.	
2)	FMGC 2	A	1	0	(M)(O) May be inoperative provided: a) FMGC 2 is deactivated, b) FMGC 1 must be operative, c) Alternate procedures are established and used, d) Associated Autopilot and Flight Director are considered inoperative, e) Associated ILS DME displayed on PFD is considered inoperative (With Mod. 150603/MP P11675), and f) Repairs are made within 3 flight-legs.	

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**TABLE KEY**

1. REPAIR CATEGORY
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**23. Communications**

Sequence No.	Item	1	2	3	4	Change Bar
23-00	CLASS II MAINTENANCE MESSAGES DISPLAYED ON ECAM STATUS PAGE OF ECAM SYSTEM DISPLAY					
1)	Fault(s) Indicated by CIDS 1(2)	C	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
23-11-01	High Frequency (HF) Communication System					
1)	LRCS	D	-	-	Any in excess of those required by 14 CFR may be inoperative.	
		C	-	1	(O) May be inoperative while conducting operations that require two LRCS provided: <ul style="list-style-type: none"> <li>a) Aircraft SATVOICE system operates normally,</li> <li>b) SATVOICE services are available as an LRCS over the intended route of flight,</li> <li>c) The ICAO Flight Plan is updated (as required) to notify ATC of the communications equipment status of the aircraft, and</li> <li>d) Alternate procedures are established and used.</li> </ul>	
(Continued)						

AIRCRAFT:		TABLE KEY			
Airbus A320		1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS			
<b>23. Communications</b>					
Sequence No.	Item	1	2	3	4
23-11-01	High Frequency (HF) Communication System (Cont'd)				
2) ***	GND HF DATALINK pb-sw	D	1	0	(O) May be inoperative provided: a) All HF's are set to VOICE mode on ground, and b) No HF is used during refuel, defuel or ground fuel transfer.
3) ***	GND HF DATALINK pb-sw OVRD Light	D	1	0	May be inoperative.
4) ***	COM HF 1(2) EMITTING Caution on ECAM EWD	C	2	-	(M) May be displayed on the EWD provided: a) The caution COM HF 1(2) EMITTING is confirmed to be false by troubleshooting, and b) Affected HF is deactivated and considered inoperative.
23-12-01	VHF Communications System				
1)	Voice	D	-	-	Any in excess of those required by 14 CFR may be inoperative provided it is not powered by an Essential Bus and not required for emergency procedures.
2) ***	Datalink				
a)	With ACARS	D	1	0	May be inoperative provided ACARS is considered inoperative.
b)	With ATSU	C	1	0	(O) May be inoperative provided alternate procedures are established and used.
		D	1	0	(O) May be inoperative provided operations or procedures do not require its use.
(Continued)					

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**23. Communications**

Sequence No.	Item	1	2	3	4	Change Bar
23-12-01	VHF Communications System (Cont'd)					
3) ***	COM VHF 1(2)(3) EMITTING Caution on ECAM EWD	C	3	-	(M) COM VHF 2(3) EMITTING caution may be displayed on EWD provided: a) COM VHF 2(3) EMITTING caution is confirmed to be false by troubleshooting, and b) Affected VHF is deactivated and considered inoperative.	     
23-13-01	Radio Management Panels (RMP)					
1)	RMP 1 (Without Mod. 162367/MP P20323 for 3 Digital RMP)					   
a)	VHF Comm Select Keys	C	3	2	VHF No. 2 or No. 3 may be inoperative.	
b)	HF Comm Select Keys	C	2	-	As required by 14 CFR.  NOTE: If HF is required for flight, HF 1 select key must be operative.	
2)	RMP 1 (With Mod. 162367/MP P20323 for 3 Digital RMP)					   
a)	RMP Keys	C	-	-	(O) May be inoperative provided: a) VHF 1 communication is checked operative on one RMP, b) If HF is required, HF 1 communication is checked operative on one RMP, and c) XPDR selection is checked operative on RMP 1.	         
(Continued)						

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

## 23. Communications

Sequence No.	Item	1	2	3	4	Change Bar
23-13-01	Radio Management Panels (RMP) (Cont'd)					
2)	RMP 1 (With Mod. 162367/ MP P20323 for 3 Digital RMP) (Cont'd)					
b)	RMP Reception Knob	C	-	0	May be inoperative provided: a) VHF1 reception knob is operative on one RMP, and b) If HF is required, HF 1 reception knob is operative on one RMP.	
3)	RMP 2 (Without Mod 162367/ MP P20323 for 3 Digital RMP)	C	1	0	May be inoperative provided RMP 3 operates normally.	
a)	VHF Comm Select Keys	C	3	2	One may be inoperative.	
b)	HF Comm Select Keys	C	2	-	As required by 14 CFR.	
4)	RMP 2 (With Mod 162367/ MP P20323 for 3 Digital RMP)	C	1	0	(O) May be inoperative provided: a) RMP 2 is set to OFF, and b) F/O wears a boomset for entire flight.	
a)	RMP Keys	C	-	0	(O) May be inoperative provided: a) VHF 1 communication is checked operative on one RMP, b) If HF is required, HF1 communication is checked operative on one RMP, and c) XPDR selection is checked operative on RMP 1.	
		C	-	0	May be inoperative provided RMP 2 is considered inoperative.	
					(Continued)	

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**TABLE KEY**

1. REPAIR CATEGORY
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**23. Communications**

Sequence No.	Item	1	2	3	4	Change Bar
23-13-01	Radio Management Panels (RMP) (Cont'd)					
4)	RMP 2 (With Mod 162367/ MP P20323 for 3 Digital RMP). (Cont'd)					
b)	RMP Reception Knob	C	-	0	May be inoperative provided: a) VHF 1 reception knob is operative on one RMP, and b) If HF is required, HF 1 reception knob is operative on one RMP.	
		C	-	0	May be inoperative provided RMP 2 is considered inoperative.	
5) ***	RMP 3 (Without Mod 162367/ MP P20323 for 3 Digital RMP).	C	1	0	May be inoperative provided RMP 2 operates normally.	
a)	VHF Comm Select Keys	C	3	2	One may be inoperative.	
b)	HF Comm Select Keys	C	2	-	As required by 14 CFR.	
6)	RMP 3 (With Mod 162367/ MP P20323 for 3 Digital RMP).	C	1	0	(O) May be inoperative provided: a) RMP 3 is set to OFF, b) Alternate procedure is established and used for cockpit to ground communication, and c) No crewmember on duty occupies observer seat.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 23. Communications

Sequence No.	Item	1	2	3	4	Change Bar
23-13-01	Radio Management Panels (RMP) (Cont'd)					
6)	RMP 3 (With Mod 162367/ MP P20323 for 3 Digital RMP) (Cont'd)					
a)	RMP Keys	C	-	0	(O) May be inoperative provided: a) VHF 1 communication is checked operative on one RMP, b) If HF is required, HF 1 communication is checked operative on one RMP, and c) XPDR selection is checked operative on RMP 1.	
		C	-	0	May be inoperative provided RMP 3 is considered inoperative.	
b)	RMP Reception Knob	C	-	0	May be inoperative provided: a) VHF 1 reception knob is operative on one RMP, and b) If HF is required, HF 1 reception knob is operative on one RMP.	
		C	-	0	May be inoperative provided RMP 3 is considered inoperative.	
23-14-01	Audio Management Unit (AMU) Side (With Mod 162367/ MP P20323 for 3 Digital RMP)	C	2	1	(O) AMU side 2 may be inoperative provided: a) RMP 1 is operative, and b) RMP1 XPDR1/TCAS backup control mode is checked operative.	



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**TABLE KEY**

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4. REMARKS OR EXCEPTIONS

**23. Communications**

Sequence No.	Item	1	2	3	4	Change Bar
23-24-01 ***	ACARS System	C	1	0	(O) May be inoperative provided alternate procedures are established and used.	
		D	1	0	May be inoperative provided procedures do not require its use.	
					NOTE: Any ACARS function or Mode that operates normally may be used.	
23-28-01 ***	Satellite Communication (SATCOM) System	C	1	0	(O) May be inoperative provided alternate procedures are established and used.	
		D	1	0	May be inoperative provided operations or procedures do not require its use.	
1)	Voice Channels	C	-	0	(O) May be inoperative provided alternate procedures are established and used.	
		D	-	0	May be inoperative provided operations or procedures do not require its use.	
2)	Data Channel	C	1	0	(O) May be inoperative provided alternate procedures are established and used.	
		D	1	0	(O) May be inoperative provided operations or procedures do not require its use.	

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1. REPAIR CATEGORY
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**23. Communications**

Sequence No.	Item	1	2	3	4	Change Bar
23-31-01	Passenger Address System					
1)	Passenger Configuration	B	1	0	(O) May be inoperative provided: a) Alternate, normal, and emergency procedures and/or operating restrictions are established and used, and b) Flight attendant alerting system (audio and visual) operates normally.  NOTE: Any station function(s) that operates normally may be used.	
		C	1	0	(O) May be inoperative provided: a) PA not required by 14 CFR, and b) Alternate, normal, and emergency procedures and/or operating restrictions are established and used.  NOTE: Any station function(s) that operates normally may be used.	
a)	Lavatory Speakers	C	-	0	(O) May be inoperative provided alternate procedures are established and used.	
b)	Cabin Speakers	C	-	-	May be inoperative provided inoperative speakers are not adjacent to each other.	
23-31-02 ***	PA IN USE LIGHT	D	1	0	May be inoperative.	
23-42-01	Ground External Horn	C	1	0	(O) May be inoperative provided personnel are available to monitor APU.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 23. Communications

Sequence No.	Item	1	2	3	4	Change Bar
23-42-02	Alerting System (Chime/Light)					
1)	Flight Attendant Call Lights (EMER/FWD/MID EXIT/AFT)	B	-	0	(O) May be inoperative provided: a) PA System is operative, b) Affected light is not used for Lavatory Smoke Detector Alerting, and c) Alternate procedures for contacting flight attendants are established and used.  NOTE 1: Passenger to Attendant Call System is considered an NEF item.  NOTE 2: Any visual alerting system function(s) that operates normally may be used.	
2)	Flight Attendant Chimes	B	-	0	(O) May be inoperative provided: a) PA system operates normally, b) Affected Chime is not used for Lavatory Smoke Detector Alerting, and c) Alternate procedures for contacting flight attendants are established and used.  NOTE 1: Passenger to Attendant Call System is considered an NEF item.  NOTE 2: Any audio alerting system function(s) that operates normally may be used.	
3)	ALL ATTND CALL	D	-	0	One or more may be inoperative.	

AIRCRAFT:		TABLE KEY			
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<b>23. Communications</b>					
Sequence No.	Item	1	2	3	4
23-43-01	Flight Deck to Ground Interphone System	B	1	0	(O) May be inoperative provided alternate procedures are established and used.
1)	External Power Panel Call Light	C	1	0	(O) May be inoperative provided alternate procedures are established and used.
2)	External Power Panel Call Switch	C	1	0	(O) May be inoperative provided alternate procedures are established and used.
23-43-02	Crewmember Interphone System				
1)	Passenger Configuration				
a)	Flight Deck to Cabin, Cabin to Flight Deck Functions	B	-	-	(O) May be inoperative provided: a) Flight deck to cabin and cabin to flight deck interphone functions operate normally on at least 50% of the cabin handsets, and b) Alternate communications procedures between the affected Flight Attendants station(s) are established and used.  NOTE: Any station function(s) that operates normally may be used.
		C	1	0	(O) May be inoperative provided: a) Crewmember interphone system not required by 14 CFR, and b) Alternate, normal, and emergency procedures and/or operating restrictions are established and used.  NOTE: Any station function(s) that operates normally may be used.
(Continued)					

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**23. Communications**

Sequence No.	Item	1	2	3	4	Change Bar
23-43-02	Crewmember Interphone System (Cont'd)					
1)	Passenger Configuration (Cont'd)					
b)	Cabin to Cabin Function	B	2	0	(O) May be inoperative provided alternate communications procedures between the affected flight attendants stations are established and used.	
					NOTE: Any station function(s) that operates normally may be used.	
		B	-	-	(O) May be inoperative provided: a) Cabin to cabin interphone functions operate normally on at least 50% of the cabin handsets, and b) Alternate communications procedures between the affected Flight Attendants station(s) are established and used.	
					NOTE: Any station function(s) that operates normally may be used.	

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4. REMARKS OR EXCEPTIONS

**23. Communications**

Sequence No.	Item	1	2	3	4	Change Bar
23-43-04	Handsets					
1)	Passenger Configuration					
a)	Flight Deck Handset	C	1	0	(O) May be inoperative provided: a) Flight Deck to cabin communication operates normally, and b) Alternate procedures are established and used.	
		D	1	0	May be inoperative provided procedures do not require its use.	
b)	Cabin Attendant Handsets	B	-	-	(O) May be inoperative provided: a) 50% of cabin handsets operate normally, b) Operative handset(s) is located at an operative flight attendant seat, and c) Alternate procedures between the affected Flight Attendants station(s) are established and used.  NOTE 1: Any operative handset at an inoperative flight attendant seat shall not be counted to satisfy the 50% requirement.  NOTE 2: Any handset(s) function(s) that operates normally may be used.	
23-44-01	Service Interphone Jack Systems	C	-	0	One or more may be inoperative.	
23-51-01 ***	Selcal (AMU)	C	-	0	(O) May be inoperative provided alternate procedures are established and used.	
		D	-	0	May be inoperative provided procedures do not require its use.	

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**TABLE KEY**

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4. REMARKS OR EXCEPTIONS

**23. Communications**

Sequence No.	Item	1	2	3	4	Change Bar
23-51-02	Audio Control Panel (ACP)					
1)	CAPT and F/O	C	2	1	(O) One may be inoperative provided: a) ACP 3 operates normally, and b) AUDIO SWITCHING selector operates normally.	
2)	ACP 3				See Primary Observer Seat for relief.	
3) ***	Fourth Occupant	D	1	0	One may be inoperative.	
4) ***	Avionics Compartment	D	1	0	One may be inoperative.	
5)	ATT Call Lights (Flight Deck Call Lights/CAPT and F/O ACP)	B	2	0	May be inoperative provided the flight deck buzzer is operative.  NOTE: The flight deck buzzer must always be operative.	
6)	Transmission Key(s)	C	-	-	One may be inoperative on each ACP provided: a) VHF 1 transmission key operates normally on either CAPT ACP or F/O ACP, and b) HF 1 transmission key (if HF 1 is required) operates normally on either CAPT ACP or F/O ACP.	
7)	Reception Knob(s)	C	-	-	One may be inoperative on each ACP provided: a) VHF 1 reception knob operates normally on either CAPT ACP or F/O ACP, and b) HF 1 reception knob (If HF 1 is required) operates normally on either CAPT ACP or F/O ACP.	
8)	Reception Knob Light(s)	C	-	0	One or more may be inoperative.	

### TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

## 23. Communications

Sequence No.	Item	1	2	3	4	Change Bar
23-51-03	Switching Panel					
1)	Audio Selector	C	1	0	Must operate in NORM Position.	
23-51-04	Flight Deck Headsets/ Headphones	D	-	-	Any in excess of those required by 14 CFR may be inoperative.	
1)	Headset Boom Microphones	A	-	0	May be inoperative provided: <ul style="list-style-type: none"> <li>a) Associated hand microphone is installed and operates normally,</li> <li>b) Flight Data Recorder (FDR) operates normally, and</li> <li>c) Repairs are made within 3 flight-days.</li> </ul>	
2)	Headset Earphones/ Headphones	C	-	1	Either Captain's or First Officer's earphones/headphones may be inoperative provided associated flight deck speaker operates normally.	
23-51-05	Hand Mic System					
1)	CAPT/F/O	C	2	0	May be inoperative provided associated boom microphones operate normally.	
2)	Observers Seat(s)/ Avionics Compartment	D	-	0	May be inoperative or missing provided procedures do not require their use.	
23-51-06	Cockpit Loudspeakers					
1)	Without Digital RMP (Without Mod. 162344/ MP P20240 (2 Digital RMP) and without Mod.162367/ MP P20323 (3 Digital RMP))	C	2	1	Only F/O's loudspeaker may be inoperative provided at least one crewmember on flight deck duty wears a headset.	
(Continued)						



1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

## 23. Communications

Sequence No.	Item	1	2	3	4	Change Bar
23-51-06	Cockpit Loudspeakers (Cont'd)					
2)	With Digital RMP (With Mod. 162344/MP P20240 (2 Digital RMP),or with Mod. 162367/MP P20323 (3 Digital RMP))	C	2	1	One may be inoperative provided crewmember on affected side wears a headset for entire flight.	
		C	2	0	(O) May be inoperative provided: a) Both crewmembers wear a headset for entire flight, and b) Observer headset is checked operative.	
23-51-08	Side Stick Radio Selector (PTT)					
1)	Without Digital RMP (Without Mod. 162344/MP P20240 (2 Digital RMP) and without Mod. 162367/MP P20323 (3 Digital RMP))	C	2	0	May be inoperative in open/neutral position (non-transmitting position) provided INT/RAD switches on CAPT ACP, F/O ACP, and ACP3 operate normally.	
		C	2	0	(M) May be inoperative provided: a) INT/RAD switches on CAPT ACP, F/O ACP, and ACP3 operate normally, and b) Affected switch is deactivated in open/neutral position (non-transmitting position).	
					(Continued)	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 23. Communications

Sequence No.	Item	1	2	3	4	Change Bar
23-51-08	Side Stick Radio Selector (PTT) (Cont'd)					
2)	With 2 Digital RMP (Mod 162344/ MP P20240)	C	2	0	May be inoperative in open/neutral position (non-transmitting position) provided INT/RAD switches on RMP1, on RMP2 and on ACP 3 are operative.	
		C	2	0	(M) May be inoperative provided: a) INT/RAD switches on RMP 1, RMP 2, and ACP3 operate normally, and b) Affected switch is deactivated in open/neutral position (non-transmitting position).	
3)	With 3 Digital RMP (Mod 162367/ MP P20323)	C	2	0	May be inoperative in open/neutral position (non-transmitting position) provided INT/RAD switches on RMP1, on RMP 2, and on RMP 3 are operative.	
		C	2	0	(M) May be inoperative provided: a) INT/RAD switches on RMP 1, RMP 2, and RMP 3 operate normally, and b) Affected switch is deactivated in open/neutral position (non-transmitting position).	

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AIRCRAFT: Airbus A320	<b>TABLE KEY</b> 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
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**23. Communications**

Sequence No.	Item	1	2	3	4	Change Bar
23-51-09 ***	Passenger Audio System (Observer Position)	D	1	0	May be inoperative.	
23-71-01	Cockpit Voice Recorder System (CVR)	A	1	0	May be inoperative provided: a) Flight Data Recorder (FDR) operates normally, and b) Repairs are made within 3 flight-days.	
23-71-02	RCDR Control Panel					
1)	RCDR/GND CTL pb-sw	A	1	0	(O) May be inoperative in AUTO position provided repairs are made within 3 flight-days.	
		C	1	0	(O) May be inoperative in ON position.	
		A	1	0	May be inoperative provided: a) CVR is considered inoperative, and b) Repairs are made within 3 flight-days.	
2)	RCDR/GND CTL pb-sw ON Light	C	1	0	May be inoperative.	
3)	CVR Erase pb (Without Mod. 168885/ MP K33628)	D	1	0	May be inoperative.	   
4)	CVR TEST pb	A	1	0	May be inoperative provided: a) CVR is considered inoperative, and b) Repairs are made within 3 flight-days.	

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**TABLE KEY**

1. REPAIR CATEGORY
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4. REMARKS OR EXCEPTIONS

**23. Communications**

Sequence No.	Item	1	2	3	4	Change Bar
23-72-01	Flight Deck Door Visual Surveillance Systems					
1) ***	Electric System (CDSS) (With Mod. 36414/MP K11047 or Mod. 38111/MP K11684 or Mod. 32087/MP K7778)	A	1	0	(O) May be inoperative provided: a) Alternate procedures are established and used, and b) Repairs are made within 3 flight-days.	
		C	1	0	(O) May be inoperative provided: a) A flight deck door viewing port is installed and operates normally, and b) Alternate procedures are established and used.	
		D	1	0	May be inoperative provided procedures do not require its use.	
a)	Cargo Configuration	C	1	0	May be inoperative provided the aircraft aft of the flight deck door is occupied only by those personnel authorized by 14 CFR.	
		D	1	0	May be inoperative provided procedures do not require its use.	
2) ***	Viewing Ports	A	1	0	(O) May be inoperative provided: a) Alternate procedures are established and used, and b) Repairs are made within 3 flight-days.	
		C	1	0	(O) May be inoperative provided: a) An electronic flight deck door visual surveillance system is installed and operates normally, and b) Alternate procedures are established and used.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 23. Communications

Sequence No.	Item	1	2	3	4	Change Bar
23-72-01	Flight Deck Door Visual Surveillance Systems (Cont'd)					
2) ***	Viewing Ports (Cont'd)					
		D	1	0	May be inoperative provided procedures do not require its use.	
a)	Cargo Configuration	C	1	0	May be inoperative provided the aircraft aft of the flight deck door is occupied only by those personnel authorized by 14 CFR.	
		D	1	0	May be inoperative provided procedures do not require its use.	
23-73-01	Cabin Intercommunication Data System (CIDS) CIDS Director	C	2	1	(M) One may be inoperative.	
					NOTE 1: Failure of a single CIDS director is indicated by a MAINTENANCE message on the STATUS SD page. Refer to Item 23-00, 1) Fault(s) Indicated by CIDS 1(2).	
					NOTE 2: In the case of disturbance of the CIDS function, the deactivation/removal of the affected CIDS director may recover normal operation of the CIDS function. Refer to AMM TASK 23-73-00-040-001.	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**23. Communications**

Sequence No.	Item	1	2	3	4	Change Bar
23-73-01	Cabin Intercommunication Data System (CIDS) CIDS Director (Cont'd)					
1)	Smoke Detection Function Channels (CIDS-SDF) (With Mod. 30354 or with Mod. 33100)				(O) May be inoperative provided: <ol style="list-style-type: none"> <li>a) Restrictions concerning inoperative lavatory smoke detection system are applied, and</li> <li>b) Procedures are established and used to ensure all cargo compartments remain empty or are verified to contain only empty cargo handling equipment, ballast (ballast may be loaded in ULDs), and/or Fly Away Kits.</li> </ol> NOTE 1: Failure of a single SDF channel is indicated by a MAINTENANCE message on ECAM STATUS page. NOTE 2: Operator MELs must define which items are approved for inclusion in the Fly Away Kits and which materials can be used as ballast. NOTE 3: Class E cargo compartments require only the installation of smoke or fire detection systems (not suppression).	
2) ***	Emergency Cockpit Alerting System (ECAS)	C	-	0	(O) May be inoperative provided alternate procedures are established and used.	
		D	-	0	May be inoperative provided operations or procedures do not require its use.	

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**TABLE KEY**

1. REPAIR CATEGORY
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**23. Communications**

Sequence No.	Item	1	2	3	4	Change Bar
23-73-02	Cabin Intercommunication Data System (CIDS) CIDS DEU A	C	-	-	(M) May be inoperative provided: a) No two consecutive or adjacent DEUs are verified to be inoperative, and b) Lavatory speaker is verified to operate normally or return to seat sign is verified to operate normally for an associated inoperative DEU.	
		C	-	-	(M) May be inoperative provided: a) No two consecutive or adjacent DEUs are verified to be inoperative, and b) Lavatory door is locked closed and placarded "INOPERATIVE – DO NOT ENTER" for an associated inoperative DEU.	
					NOTE 1: These provisos are not intended to prohibit lavatory use or inspections by crewmembers.	
					NOTE 2: The following items may be affected: Loudspeakers; No Smoking/Fasten Seat Belt Sign general illumination and Passenger Call.	

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**TABLE KEY**

1. REPAIR CATEGORY
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**23. Communications**

Sequence No.	Item	1	2	3	4	Change Bar
23-73-03	Cabin Intercommunication Data System (CIDS)					
1)	CIDS DEU B	C	-	-	(M)(O) May be inoperative provided: a) DEU B and the associated handset are operative at each pair of floor level exit doors, and b) Alternate procedures are established and used.	
2)	Attendant Indication Panels (AIP)	C	-	0	NOTE: The following items may be affected: Cabin attendant station intercommunications; slide bottle pressure indications on PTP/FAP; lavatory smoke detection system; and door bottle pressure indication on PTP/FAP. May be inoperative at a non-required cabin attendant station.	
		C	-	0	(O) May be inoperative at a required cabin attendant station provided: a) Corresponding area call panel operates normally, b) Passenger address and cabin interphone at affected station operate normally, and c) Alternate procedures are established and used.	
(Continued)						



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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 23. Communications

Sequence No.	Item	1	2	3	4	Change Bar
23-73-03	Cabin Intercommunication Data System (CIDS) (Cont'd)					
3)	Area Call Panel	C	-	0	May be inoperative at non-required cabin attendant station.	
		C	-	0	(O) May be inoperative provided: <ol style="list-style-type: none"> <li>a) Corresponding Attendant Indication Panel operates normally,</li> <li>b) Passenger address and cabin interphone at affected station operate normally, and</li> <li>c) Alternate procedures are established and used.</li> </ol>	
4)	Lavatory Smoke Detection System (Indication on PTP/FAP)				Moved to item 23-73-07 5) and 23-73-08 9).	
5)	Drain Masts (Indication on PTP/FAP)				Moved to item 23-73-07 4) for aircraft without Mod. 30354 or without Mod. 33100, or item 23-73-08 8) for aircraft with Mod. 30354 or with Mod. 33100.	
6) ***	Additional Attendant Panel (AAP)	D	-	0	One or more may be inoperative.	

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**23. Communications**

Sequence No.	Item	1	2	3	4	Change Bar
23-73-04	Forward Attendant Panel (FAP) (Without Mod. 30354 or without Mod. 33100)	C	-	0	(M)(O) May be inoperative provided: a) Associated FAP functions are considered inoperative, and b) Alternate procedures are established and used.  NOTE: LIGHT EMER pb must always be operative.	
1)	Cabin Lighting Control Functions on FAP	C	-	0	(O) May be inoperative provided lighting is sufficient for cabin attendants to perform their duties.	
2) ***	Prerecorded Announcement and Music Reproducer Control on FAP	D	1	0	(O) May be inoperative provided alternate procedures are established and used.	
3) ***	CABIN READY on FAP	D	1	0	(O) May be inoperative provided alternate procedures are established and used.	
4) ***	EVAC Light/CMD pb	D	1	0	(O) May be inoperative provided alternate procedures are established and used.	
5) ***	SYSTEM INOP Light on WATER WASTE Panel on FAP	D	1	0	(M) May be inoperative provided alternate procedures are established and used.	
6)	Other Functions on FAP	D	-	0	(O) May be inoperative provided alternate procedures are established and used.  NOTE: LIGHT EMER pb must always be operative.	
7)	CIDS Caution Light on the Forward Attendant Panel	C	1	0	(M) May be inoperative provided that PTP messages are checked before each flight.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 23. Communications

Sequence No.	Item	1	2	3	4	Change Bar
23-73-05 ***	Prerecorded Announcement and Music Reproducer				Moved to item 23-73-04 2) for aircraft without Mod. 30354 or without Mod. 33100, or item 23-73-08 2) for aircraft with Mod. 30354 or with Mod. 33100.	
23-73-06	Programmed Cabin Assignment Module (CAM)	C	1	0	May be inoperative.	
23-73-07	Programming and Test Panel (PTP) (Without Mod. 30354 or without Mod. 33100)	B	1	0	(M)(O) May be inoperative provided: a) Associated PTP functions are considered inoperative, and b) Alternate procedures are established and used.	
1)	SYS EMER LIGHT TEST	B	1	0	(M) May be inoperative provided emergency lights are verified to operate normally prior to each departure.	
		B	1	0	May be inoperative provided operational procedures do not require its use.	
2)	Slide Bottle Pressure Indication (On PTP)					
a) ***	Passenger Doors	C	-	0	(O) May be inoperative provided associated slide bottle pressure is verified before first flight of each day.	
b)	Overwing Emergency Exits (A319/A320)	C	2	0	(O) May be inoperative provided associated slide bottle pressure is verified before first flight of each day.	
c) ***	Cabin Emergency Exit (A321)	C	4	0	(O) May be inoperative provided associated slide bottle pressure is verified before first flight of each day.	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
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4. REMARKS OR EXCEPTIONS

**23. Communications**

Sequence No.	Item	1	2	3	4	Change Bar
23-73-07	Programming and Test Panel (PTP) (Without Mod. 30354 or without Mod. 33100) (Cont'd)					
3) ***	Door Bottle Pressure Indication (on PTP)	C	-	0	(O) May be inoperative provided associated door bottle pressure is verified before first flight of each day.	
4)	Drain Masts (Indication on PTP)	C	1	0	May be inoperative.	
5)	Lavatory Smoke Detection System (Indication on PTP)					
a)	Without Mod. 21195	C	1	0	May be inoperative.	
b)	With Mod. 21195	C	1	0	(O) May be inoperative provided alternate procedures are established and used.	
6)	Other Functions (On PTP)	D	-	0	(M) May be inoperative provided alternate procedures are established and used.	
23-73-08	Flight Attendant Panel (FAP) (With Mod. 30354 or with Mod. 33100)	C	1	0	(M)(O) May be inoperative provided: a) Associated FAP functions are considered inoperative, and b) Alternate procedures are established and used.  NOTE: EMER pb must always be operative.	
1)	Cabin Lighting Control Functions on FAP	C	-	0	(O) May be inoperative provided lighting is sufficient for cabin attendants to perform their duties.	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
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4. REMARKS OR EXCEPTIONS

**23. Communications**

Sequence No.	Item	1	2	3	4	Change Bar
23-73-08	Flight Attendant Panel (FAP) (With Mod. 30354 or with Mod. 33100) (Cont'd)					
2) ***	Prerecorded Announcement and Music Reprodncer Control on FAP	D	1	0	(O) May be inoperative provided alternate procedures are established and used.	
3) ***	CABIN READY on FAP	D	1	0	(O) May be inoperative provided alternate procedures are established and used.	
4) ***	EVAC Light/CMD pb (On FAP)	D	1	0	(O) May be inoperative provided alternate procedures are established and used.	
5) ***	SYSTEM INOP Light on WATER WASTE Panel on FAP	D	1	0	(M) May be inoperative provided alternate procedures are established and used.	
6)	Slide Bottle Pressure Indication (On FAP)					
a)	Passenger Doors	C	-	0	(O) May be inoperative provided associated slide bottle pressure is verified before first flight of each day.	
b) ***	Overwing Emergency Exits	C	2	0	(M) May be inoperative provided associated slide bottle pressure is verified before first flight of each day.	
c) ***	Cabin Emergency Exit (A321)	C	-	0	(O) May be inoperative provided associated slide bottle pressure is verified before first flight of each day.	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
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4. REMARKS OR EXCEPTIONS

**23. Communications**

Sequence No.	Item	1	2	3	4	Change Bar
23-73-08	Flight Attendant Panel (FAP) (With Mod. 30354 or with Mod. 33100) (Cont'd)					
7) ***	Door Bottle Pressure Indication (On FAP)	C	-	0	(O) May be inoperative provided associated door bottle pressure is verified before first flight of each day.	
8)	Drain Masts Indication (On FAP)	C	1	0	May be inoperative.	
9)	Lavatory Smoke Detection System (Indication on FAP)	C	1	0	May be inoperative.	
10)	Other Functions (On FAP)	D	-	0	(O) May be inoperative provided alternate procedures are established and used.  NOTE: EMER pb must always be operative.	
23-75-01	E-Direct View System (With Mod. 166696/ MP K21857)	B	1	0	(O) May be inoperative provided: a) Direct view of passengers by cabin attendants is not impaired, b) Alternate procedures are established and used.	
		D	1	0	May be inoperative provided operations do not require its use.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 23. Communications

Sequence No.	Item	1	2	3	4	Change Bar
23-90-01 ***	Cabin Surveillance System (CSS) STC No.ST02483AT	D	1	0	(M) May be inoperative provided system is deactivated off.	
1) ***	Video Display Units (VDU)	D	2	0	(M) May be inoperative provided associated VDU(s) is deactivated off.	
2) ***	Cabin Display Cameras	D	4	0	(M) May be inoperative provided associated camera(s) is deactivated.	
3) ***	Digital Passenger Control Units (DPCU)	D	2	0	(M) May be inoperative provided associated unit(s) is deactivated off.	
23-90-03 ***	Wireless Aircraft Data Link System (WADL) STC No. ST01447NY	D	1	0	(M) May be inoperative provided system is deactivated off.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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#### 24. Electrical Power

Sequence No.	Item	1	2	3	4	Change Bar
24-00	CLASS II MAINTENANCE MESSAGES DISPLAYED ON ECAM STATUS PAGE OF ECAM SYSTEM DISPLAY					
1)	Fault(s) Indicated by DC BUS TIE	C	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
2)	Fault(s) Indicated by GPCU or AC GEN	C	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	



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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**24. Electrical Power**

Sequence No.	Item	1	2	3	4	Change Bar
24-20-01	Engine Driven Generator Channel (IDG, GCU, Line Contactor)					
1)	CFM 56-5 Engines Aircraft with Mods:31296/MP P6319 (Digital AMU) and 32875/MP P7945 (GCU 5.1), or Aircraft with Mods:31107/MP P7009 (Digital SATCOM AMU) and 32875/MP P7945 (GCU 5.1)	B	2	1	(M)(O) Except for ETOPS, one may be inoperative provided: <ul style="list-style-type: none"> <li>a) APU generator operates normally and is used throughout the flight,</li> <li>b) Operator ensures that the APU oil quantity is adequate for the intended flight,</li> <li>c) All busses can be powered,</li> <li>d) All indications and warnings associated with the remaining engine and APU driven generator channels operate normally,</li> <li>e) Galley automatic shedding is verified to operate normally,</li> <li>f) Aircraft remains at or below FL 330,</li> <li>g) Approach minimums do not require its use, and</li> <li>h) When the Engine Driven Generator Channel 1 is inoperative, the AC ESS FEED manual transfer must be checked to operate normally.</li> </ul> <p>NOTE: Relief is not applicable to aircraft with Mods: 39670/MP P10300 (GCU 5.2), or 37782/MP P10402 (Digital AMU Power Supply Upgrade), or 37317/MP P10098 (AC ESS FEED automatic switching).</p>	
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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**24. Electrical Power**

Sequence No.	Item	1	2	3	4	Change Bar
24-20-01	Engine Driven Generator Channel (IDG, GCU, Line Contactor) (Cont'd)					
2)	CFM 56-5 Engines (Aircraft with an analog AMU or with any of the Following Mods:) 37782/MP P10402 (Digital AMU Power Supply Upgrade), or 37317/MP P10098 (AC ESS FEED Automatic Switching), or Aircraft with Mods: 31107/MP P7009 (Digital SATCOM AMU), and 39670/MP P10300 (GCU 5.2) and CFM LEAP-1A Engines	B	2	1	(M)(O) Except for ETOPS, one may be inoperative provided: a) APU generator operates normally and is used throughout the flight, b) Operator ensures that the APU oil quantity is adequate for the intended flight, c) All busses can be powered, d) All indications and warnings associated with the remaining engine and APU driven generator channels operate normally, e) Galley automatic shedding is verified to operate normally, f) Aircraft remains at or below FL 330, and g) Approach minimums do not require its use.	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**24. Electrical Power**

Sequence No.	Item	1	2	3	4	Change Bar
24-20-01	Engine Driven Generator Channel (IDG, GCU, Line Contactor) (Cont'd)					
3)	IAE Engines (With IDGs which Incorporate Mod. 26929/MP P5059/P/N 766219 or Mod. 30375/MP P6557/P/N 772292), and Aircraft with either Mod: 31296/MP P6319 (Digital AMU) and 32875/MP P7945 (GCU 5.1), or 31107/MP P7009 (Digital SATCOM AMU) and 32875/MP P7945 (GCU 5.1)	B	2	1	(M)(O) Except for ETOPS, one may be inoperative provided: a) APU generator operates normally and is used throughout the flight, b) Operator ensures that the APU oil quantity is adequate for the intended flight, c) All busses can be powered, d) All indications and warnings associated with the remaining engine and APU driven generator channels operate normally, e) Galley automatic shedding is verified to operate normally, f) Aircraft remains at or below FL 330, g) Fuel recirculation system associated with the operative IDG is operative, h) Approach minimums do not require its use, i) When the Engine Driven Generator Channel 1 is inoperative, the AC ESS FEED manual transfer must be checked to operate normally,	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**24. Electrical Power**

Sequence No.	Item	1	2	3	4	Change Bar
24-20-01	Engine Driven Generator Channel (IDG, GCU, Line Contactor) (Cont'd)					
3)	IAE Engines (With IDGs which Incorporate Mod. 26929/MP P5059/P/N 766219 or Mod. 30375/MP P6557/P/N 772292), and Aircraft with either Mod: 31296/MP P6319 (Digital AMU) and 32875/MP P7945 (GCU 5.1), or 31107/MP P7009 (Digital SATCOM AMU) and 32875/MP P7945 (GCU 5.1) (Cont'd)	B	2	1	<p>j) If the associated IDG is disconnected, the inner/wing tank fuel temperature on the affected side is checked to be above -30 °C before takeoff, and</p> <p>k) If the associated IDG is disconnected, the inner/wing tank fuel temperature on the affected side is monitored in flight and checked to be above -43 °C.</p> <p>NOTE: Relief is not applicable to aircraft with Mods: 39670/MP P10300 (GCU 5.2), or 37782/MP P10402 (Digital AMU Power Supply Upgrade), or 37317/MP P10098 (AC ESS FEED automatic switching).</p>	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**24. Electrical Power**

Sequence No.	Item	1	2	3	4	Change Bar
24-20-01	Engine Driven Generator Channel (IDG, GCU, Line Contactor) (Cont'd)					
4)	IAE Engines (Aircraft with an Analog AMU or with any of the Following Mods:) 37782/MP P10402 (Digital AMU Power Supply Upgrade), or 37317/MP P10098 (AC ESS FEED Automatic Switching), or Aircraft with Mods: 31107/MP P7009 (Digital SATCOM AMU) and 39670/MP P10300 (GCU 5.2)	B	2	1	(M)(O) Except for ETOPS, one may be inoperative provided: a) APU generator operates normally and is used throughout the flight, b) Operator ensures that the APU oil quantity is adequate for the intended flight, c) All busses can be powered, d) All indications and warnings associated with the remaining engine and APU driven generator channels operate normally, e) Galley automatic shedding is verified to operate normally, f) Aircraft remains at or below FL 330, g) Fuel recirculation system associated with the operative IDG is operative, h) Approach minimums do not require its use, i) If the associated IDG is disconnected, the inner/wing tank fuel temperature on the affected side is checked to be above -30 °C before takeoff, and j) If the associated IDG is disconnected, the inner/wing tank fuel temperature on the affected side is monitored in flight and checked to be above -43 °C.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**24. Electrical Power**

Sequence No.	Item	1	2	3	4	Change Bar
24-20-01	Engine Driven Generator Channel (IDG, GCU, Line Contactor) (Cont'd)					
5)	PW 6000 Engines	B	2	1	(M)(O) Except for ETOPS, one may be inoperative provided: a) APU generator operates normally and is used throughout the flight, b) Operator ensures that the APU oil quantity is adequate for the intended flight, c) All busses can be powered, d) All indications and warnings associated with the remaining engine and APU driven generator channels operate normally, e) Galley automatic shedding is verified to operate normally, f) Aircraft remains at or below FL 330, g) IDG cooler bypass valve is checked operative on the remaining generator before each flight, h) Approach minimums do not require its use, and i) If the associated IDG is disconnected, the inner tank fuel temperature on the affected side is checked to be above -39 °C before takeoff.	
(Continued)						

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**24. Electrical Power**

Sequence No.	Item	1	2	3	4	Change Bar
24-20-01	Engine Driven Generator Channel (IDG, GCU, Line Contactor) (Cont'd)					
6)	A319/A320 with PW 1100G Engines	B	2	1	(M)(O) Except for ETOPS, one may be inoperative provided: a) APU generator operates normally and is used throughout the flight, b) Operator ensures that the APU oil quantity is adequate for the intended flight, c) All busses can be powered, d) All indications and warnings associated with the remaining engine and APU driven generator channels operate normally, e) Galley automatic shedding is verified to operate normally, f) Aircraft remains at or below FL 330, g) Both IDG heat exchangers bypass valves of the remaining AC main generation are checked operative before each flight, h) Approach minimums do not require its use, and i) If the associated IDG is disconnected, the inner tank fuel temperature on the affected side is checked to be above -39 °C before takeoff.	
(Continued)						

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**24. Electrical Power**

Sequence No.	Item	1	2	3	4	Change Bar
24-20-01	Engine Driven Generator Channel (IDG, GCU, Line Contactor) (Cont'd)					
7)	A321 with PW 1100G Engines and without Mod. 163213/MP J4530	B	2	1	(M)(O) Except for ETOPS, one may be inoperative provided: a) APU generator operates normally and is used throughout the flight, b) Operator ensures that the APU oil quantity is adequate for the intended flight, c) All busses can be powered, d) All indications and warnings associated with the remaining engine and APU driven generator channels operate normally, e) Galley automatic shedding is verified to operate normally, f) Aircraft remains at or below FL 330, g) Both IDG heat exchangers bypass valves of the remaining AC main generation are checked operative before each flight, h) Approach minimums do not require its use, i) If the associated IDG is disconnected, the wing tank fuel temperature on the affected side is checked to be above -30 °C before takeoff, and j) If the associated IDG is disconnected, the wing tank fuel temperature is monitored in flight and checked to be at or above -38 °C.	
(Continued)						



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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**24. Electrical Power**

Sequence No.	Item	1	2	3	4	Change Bar
24-20-01	Engine Driven Generator Channel (IDG, GCU, Line Contactor) (Cont'd)					
8)	A321 with PW 1100G Engines and Mod. 163213/MP J4530 and without Mod. 162739/MP J4335	B	2	1	(M)(O) Except for ETOPS, one may be inoperative provided: a) APU generator operates normally and is used throughout the flight, b) Operator ensures that the APU oil quantity is adequate for the intended flight, c) All busses can be powered, d) All indications and warnings associated with the remaining engine and APU driven generator channels operate normally, e) Galley automatic shedding is verified to operate normally, f) Aircraft remains at or below FL 330, g) Both IDG heat exchangers bypass valves of the remaining AC main generation are checked operative before each flight, h) Approach minimums do not require its use, i) If the associated IDG is disconnected, the wing tank fuel temperature on the affected side is checked to be above -30 °C before takeoff, j) If the associated IDG is disconnected, the wing tank fuel temperature is monitored in flight and checked to be at or above -38 °C, and k) FWD ACT is empty or not installed.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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#### 24. Electrical Power

Sequence No.	Item	1	2	3	4	Change Bar
24-20-01	Engine Driven Generator Channel (IDG, GCU, Line Contactor) (Cont'd)					
9)	A321 with PW 1100G Engines and Mod. 163213/MP J4530 and Mod. 162739/MP J4335	B	2	1	(M)(O) Except for ETOPS, one may be inoperative provided: a) APU generator operates normally and is used throughout the flight, b) Operator ensures that the APU oil quantity is adequate for the intended flight, c) All busses can be powered, d) All indications and warnings associated with the remaining engine and APU driven generator channels operate normally, e) Galley automatic shedding is verified to operate normally, f) Aircraft remains at or below FL 330, g) Both IDG heat exchangers bypass valves of the remaining AC main generation are checked operative before each flight, h) Approach minimums do not require its use, i) If the associated IDG is disconnected, the wing tank fuel temperature on the affected side is checked to be above -30 °C before takeoff, j) If the associated IDG is disconnected, the wing tank fuel temperature is monitored in flight and checked to be at or above -38 °C, and k) AFT2 ACT is empty or not installed.	
(Continued)						

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**24. Electrical Power**

Sequence No.	Item	1	2	3	4	Change Bar
24-20-01	Engine Driven Generator Channel (IDG, GCU, Line Contactor) (Cont'd)					
10)	A321 with CFM LEAP-1A Engines and Mod. 163213/MP J4530 and without Mod. 162739/MP J4335	B	2	1	(M)(O) Except for ETOPS, one may be inoperative provided: a) APU generator operates normally and is used throughout the flight, b) Operator ensures that the APU oil quantity is adequate for the intended flight, c) All busses can be powered, d) All indications and warnings associated with the remaining engine and APU driven generator channels operate normally, e) Galley automatic shedding is verified to operate normally, f) Aircraft remains at or below FL 330, g) Approach minimums do not require its use, and h) FWD ACT is empty or not installed.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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#### 24. Electrical Power

Sequence No.	Item	1	2	3	4	Change Bar
24-20-01	Engine Driven Generator Channel (IDG, GCU, Line Contactor) (Cont'd)					
11)	A321 with CFM LEAP-1A Engines and Mod. 163213/MP J4530 and Mod. 162739/MP J4335	B	2	1	(M)(O) Except for ETOPS, one may be inoperative provided: a) APU generator operates normally and is used throughout the flight, b) Operator ensures that the APU oil quantity is adequate for the intended flight, c) All busses can be powered, d) All indications and warnings associated with the remaining engine and APU driven generator channels operate normally, e) Galley automatic shedding is verified to operate normally, f) Aircraft remains at or below FL 330, g) Approach minimums do not require its use, and h) AFT2 ACT is empty or not installed.	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**24. Electrical Power**

Sequence No.	Item	1	2	3	4	Change Bar
24-20-02	APU Generator Channel					
1)	Aircraft without Mod. 24642/MP P3524 or AES APU without Mod. 24498/MP K3680 or without Mod. 25568/MP K4157	A	1	0	(M) Except for ETOPS beyond 120 minutes, may be inoperative provided: a) APU GEN pb-sw is set to OFF, b) It is verified that both APU oil filters are not clogged, and c) Repairs are made within 4 flight-legs.  NOTE: When GPCU/Ground Power Control Function of the GAPCU and APU generator are both inoperative, engines cannot be started.	
		C	1	0	(M) Except for ETOPS, may be inoperative provided: a) APU GEN pb-sw is set to OFF, and b) It is verified that both APU oil filters are not clogged.  NOTE: When GPCU/GAPCU Ground Power Control Function and APU generator are both inoperative, engines cannot be started.	
		C	1	0	Except for ETOPS, may be inoperative provided APU is not used.  NOTE: When GPCU/Ground Power Control Function of the GAPCU and APU generator are both inoperative, engines cannot be started.	
(Continued)						

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AIRCRAFT: Airbus A320	<b>TABLE KEY</b> 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
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**24. Electrical Power**

Sequence No.	Item	1	2	3	4	Change Bar
24-20-02	APU Generator Channel (Cont'd)					
1)	Aircraft without Mod. 24642/MP P3524 or AES APU without Mod. 24498/MP K3680 or without Mod. 25568/MP K4157 (Cont'd)	C	1	0	(M) Except for ETOPS, may be inoperative provided APU generator is deactivated or removed.  NOTE: When GPCU/Ground Power Control Function of the GAPCU and APU generator are both inoperative, engines cannot be started.	
2)	Aircraft with Mod. 24642/MP P3524 or AES APU with Mod. 24498/MP K3680 or with Mod. 25568/MP K4157 or APIC APU or APU GTCP 131-9(A)	A	1	0	Except for ETOPS beyond 120 minutes, may be inoperative provided: a) APU GEN pb-sw is set to OFF, and b) Repairs are made within 4 flight-legs.  NOTE: When GPCU/Ground Power Control Function of the GAPCU and APU generator are both inoperative, engines cannot be started.	
		C	1	0	Except for ETOPS, may be inoperative provided APU GEN pb-sw is set to OFF.  NOTE: When GPCU/Ground Power Control Function of the GAPCU and APU generator are both inoperative, engines cannot be started.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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#### 24. Electrical Power

Sequence No.	Item	1	2	3	4	Change Bar
24-20-02	APU Generator Channel (Cont'd)					
2)	Aircraft with Mod. 24642/MP P3524 or AES APU with Mod. 24498/MP K3680 or with Mod. 25568/MP K4157 or APIC APU or APU GTCP 131-9(A) (Cont'd)	C	1	0	Except for ETOPS, may be inoperative provided APU is considered inoperative.  NOTE: When GPCU/Ground Power Control Function of the GAPCU and APU generator are both inoperative, engines cannot be started.	
		C	1	0	(M) Except for ETOPS, may be inoperative provided APU generator is deactivated or removed.  NOTE: When GPCU/GAPCU Ground Power Control Function and APU generator are both inoperative, engines cannot be started.	
3)	Aircraft with Mod. 163213/MP J4530 and without Mod. 162739/MP J4335	A	1	0	Except for ETOPS beyond 120 minutes, may be inoperative provided: a) APU GEN pb-sw is set to OFF, b) Repairs are made within 4 flight-legs, and c) FWD ACT is empty or not installed.  NOTE: When GPCU/Ground Power Control Function of the GAPCU and APU generator are both inoperative, engines cannot be started.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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#### 24. Electrical Power

Sequence No.	Item	1	2	3	4	Change Bar
24-20-02	APU Generator Channel (Cont'd)					
3)	Aircraft with Mod. 163213/MP J4530 and without Mod. 162739/MP J4335 (Cont'd)	C	1	0	Except for ETOPS, may be inoperative provided: a) APU GEN pb-sw is set to OFF, and b) FWD ACT is empty or not installed.  NOTE: When GPCU/Ground Power Control Function of the GAPCU and APU generator are both inoperative, engines cannot be started.	
		C	1	0	Except for ETOPS, may be inoperative provided: a) APU is not used, and b) FWD ACT is empty or not installed.  NOTE: When GPCU/GAPCU Ground Power Control Function and APU generator are both inoperative, engines cannot be started.	
		C	1	0	(M) Except for ETOPS, may be inoperative provided: a) APU generator is deactivated or removed, and b) FWD ACT is empty or not installed.  NOTE: When GPCU/GAPCU Ground Power Control Function and APU generator are both inoperative, engines cannot be started.	
(Continued)						



## 24. Electrical Power

Sequence No.	Item	1	2	3	4	Change Bar
24-20-02	APU Generator Channel (Cont'd)					
4)	Aircraft with Mod. 163213/MP J4530 and with Mod. 162739/MP J4335	C	1	0	<p>Except for ETOPS beyond 120 minutes, may be inoperative provided:</p> <ul style="list-style-type: none"> <li>a) APU GEN pb-sw is set to OFF,</li> <li>b) Repairs are made within 4 flight-legs, and</li> <li>c) AFT2 ACT is empty or not installed.</li> </ul> <p>NOTE: When GPCU/Ground Power Control Function of the GAPCU and APU generator are both inoperative, engines cannot be started.</p>	
		C	1	0	<p>Except for ETOPS, may be inoperative provided:</p> <ul style="list-style-type: none"> <li>a) APU GEN pb-sw is set to OFF, and</li> <li>b) AFT2 ACT is empty or not installed.</li> </ul> <p>NOTE: When GPCU/Ground Power Control Function of the GAPCU and APU generator are both inoperative, engines cannot be started.</p>	
		C	1	0	<p>(M) Except for ETOPS, may be inoperative provided:</p> <ul style="list-style-type: none"> <li>a) APU generator is deactivated or removed, and</li> <li>b) AFT2 ACT is empty or not installed.</li> </ul> <p>NOTE: When GPCU/GAPCU Ground Power Control Function and APU generator are both inoperative, engines cannot be started.</p>	
					(Continued)	

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**24. Electrical Power**

Sequence No.	Item	1	2	3	4	Change Bar
4)	Aircraft with Mod. 163213/MP J4530 and with Mod. 162739/MP J4335 (Cont'd)	C	1	0	(M) Except for ETOPS, may be inoperative provided: a) APU generator is deactivated or removed, and b) AFT2 ACT is empty or not installed.  NOTE: When GPCU/GAPCU Ground Power Control Function and APU generator are both inoperative, engines cannot be started.	
24-20-07	AC ESS Feed Control					
1)	Manual Transfer to the AC BUS 2 (ALTN Function)	C	1	0	(O) May be inoperative provided: a) AC ESS FEED pb switch is set at NORM position, b) It is checked on the ELEC SD page that the AC BUS 1 supplies the AC ESS BUS, and c) TR 2 operates normally.	
2)	Automatic Transfer to the AC BUS 2 (For aircraft with Mod 37317/MP P10098)	C	1	0	(O) May be inoperative provided: a) AC ESS FEED pb switch is set at NORM position, b) It is checked on the ELEC SD page that the AC BUS 1 supplies the AC ESS BUS, and c) TR 2 operates normally.	
24-27-01	IDG FAULT Lights	C	2	1	One may be inoperative provided frequency and temperature indications are available on ECAM ELEC page and are monitored.	
24-27-02	GEN pb Switch					
1)	FAULT Lights	C	3	1	One GEN and/or the APU FAULT Light may be inoperative provided the associated indications are available on ECAM ELEC page.	
2)	OFF Lights	C	3	0	One or more may be inoperative.	

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**24. Electrical Power**

Sequence No.	Item	1	2	3	4	Change Bar
24-27-03	AC ESS FEED FAULT/ALTN Light	C	1	0	May be inoperative provided AC ESS bus indication is available on ECAM ELEC page.	
24-27-04	GALLEY/GALY and CAB pb Switch					
1)	FAULT Light	C	1	0	(O) May be inoperative provided: a) AC load indication for each generator channel is available on ECAM ELEC page, and b) Automatic shedding operates normally.	
2)	OFF Light	C	1	0	May be inoperative.	
24-27-05	RAT and EMER GEN FAULT Light	C	1	0	(O) May be inoperative provided indications are available on associated ECAM ELEC page.	
24-27-06	Indications on ECAM ELEC Page	C	-	-	(O) Indications related to AC generation may be inoperative provided: a) Load, voltage, and frequency indications of at least one engine driven generator operate normally, b) Associated GEN FAULT caution on ECAM operates normally, and c) Automatic shedding operates normally.	
1)	APU GEN Parameters	C	-	0	Except for ETOPS, may be inoperative provided both Engine Driven Generators are operative.	
24-27-09 ***	COMMERCIAL pb Switch					
1)	OFF Light	C	1	0	May be inoperative.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**24. Electrical Power**

Sequence No.	Item	1	2	3	4	Change Bar
24-30-01	Transformer/Rectifier Units (TR)	A	3	2	(M)(O) Except for ETOPS, TR1 may be inoperative provided: a) Extract fan operates normally, b) Battery voltage indicator operates normally, c) Both packs operate normally, d) Repairs are made within 2 flight-days, and e) Approach minimums do not require its use.	
1)	Without Mod. 27620	A	3	2	(M)(O) Except for ETOPS, TR2 may be inoperative provided: a) Extract fan operates normally, b) Battery voltage indicator operates normally, c) Both packs operate normally, d) Repairs are made within 2 flight-days, e) AC ESS FEED control is checked operative once each day, f) Standby Horizon operates normally, g) Standby Compass operates normally, and h) Approach minimums do not require its use.	
2)	With Mod. 27620	A	3	2	(M)(O) Except for ETOPS, TR2 may be inoperative provided: a) Extract fan operates normally, b) Battery voltage indicator operates normally, c) Both packs operate normally, d) Repairs are made within 2 flight-days, e) AC ESS FEED control is checked operative once each day, f) ISIS Horizon operates normally, g) Standby Compass operates normally, and h) Approach minimums do not require its use.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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#### 24. Electrical Power

Sequence No.	Item	1	2	3	4	Change Bar
24-30-04	Battery Voltmeters	C	2	0	(O) May be inoperative provided: a) Battery indications are available on ECAM, and b) Battery voltage is confirmed adequate before APU start.	
24-30-05	BAT pb Switches					
1)	FAULT Lights	C	2	0	One or both may be inoperative.	
2)	OFF Lights	C	2	0	One or both may be inoperative.	
24-30-06	DC BUS TIE SYSTEM					
1)	DC TIE Contactor 1 (DC BUS 1-DC BAT BUS)	C	1	0	May be inoperative open provided DC TIE contactor ESS operates normally.	
2)	DC TIE Contactor ESS (DC BAT BUS-DC ESS BUS)	C	1	0	May be inoperative open provided DC TIE contactor 1 operates normally.	
24-30-07	BUS TIE pb Switch					
1)	OFF Light	C	1	0	May be inoperative.	
24-30-08	ECAM ELEC Page (DC)	C	-	0	Indications related to DC generation may be inoperative.	
24-30-09	External Power Panel ADIRU/AVNCS Vent Caution Light	C	1	0	(M) May be inoperative provided avionics ventilation system warning horn is verified to operate normally.	

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AIRCRAFT: Airbus A320	<b>TABLE KEY</b> 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
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**24. Electrical Power**

Sequence No.	Item	1	2	3	4	Change Bar
24-41-01	AC External Power Control					
1)	Ground Power Control Unit (GPCU)/Ground Power Control Function of the Ground and Auxiliary Power Control Unit (GAPCU)	C	1	0	May be inoperative provided external power is not used.  NOTE: When GPCU/Ground Power Control Function of GAPCU and APU generator are both inoperative, engines cannot be started.	
2)	Receptacle	C	1	0	(M) May be inoperative provided: a) Receptacle is visually inspected, b) External power is not used, and c) EXT PWR pb is placarded inoperative.  NOTE: When GPCU/Ground Power Control Function of GAPCU and APU generator are both inoperative, engines cannot be started.	
24-41-02	External Power NOT IN USE and AVAIL Panel Lights	C	2	0	(O) May be inoperative provided alternate procedures are established and used.	
24-41-03	EXT PWR pb					
1)	AVAIL Light	C	1	0	(O) May be inoperative provided alternate procedures are established and used.	
2)	ON Light	C	1	0	May be inoperative.	

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**24. Electrical Power**

Sequence No.	Item	1	2	3	4	Change Bar
24-50-01	Warning and Caution on ECAM EWD					
1)	C/B TRIPPED	C	1	0	(M) May be inoperative provided alternate procedures are used to verify that no circuit breaker is tripped on associated C/B panel.	
2)	ELEC IDG 1(2) OIL LO LVL Alert (A319neo/A320neo/A321neo with PW 1100G Engines)	C	2	1	(M) One may be inoperative provided: a) Sight glass of the affected IDG shows a correct oil level, and b) Differential Pressure Indicator (DPI) of the oil filter is not extended on the affected IDG.	
		B	2	1	(O) One may be inoperative provided a) Associated generator is set to OFF, and b) Associated AC Main Generation is considered inoperative.	
		A	2	1	One may be inoperative for 15 flight-hours or 1 flight-day, whichever occurs first.	
3)	ELEC IDG 1(2) FILTER CLOG Alert (A319neo/A320neo/A321neo with PW 1100G Engines)	C	2	1	(M) One may be inoperative provided: a) Sight glass of the affected IDG shows a correct oil level, and b) Differential Pressure Indicator (DPI) of the oil filter is not extended on the affected IDG.	
		B	2	1	(O) One may be inoperative provided a) Associated generator is set to OFF, and b) Associated AC Main Generation is considered inoperative.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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#### 24. Electrical Power

Sequence No.	Item	1	2	3	4	Change Bar
24-50-01	Warning and Caution on ECAM EWD (Cont'd)					
3)	ELEC IDG 1(2) FILTER CLOG Alert (A319neo/A320neo/A321neo with PW 1100G Engines) (Cont'd)	A	2	1	One may be inoperative for 15 flight-hours or 1 flight-day, whichever occurs first.	
24-56-01	GALLEY/GALY and CAB and COMMERCIAL Supply Systems					
1)	Automatic Load Shedding System	C	1	0	May be inoperative provided GALLEY/GALY and CAB pb switch and GALLEY/GALY and CAB FAULT Light in the cockpit operate normally.	
2)	Automatic and Manual Load Shedding Systems	C	2	0	(M) May be inoperative provided all GALLEY/GALY and CAB loads are disconnected.	
a)	With Mod 20343/MP P0473 or with Mod 31276/MP P7175	C	2	0	(M)(O) May be inoperative provided that the COMMERCIAL supply system is checked operative.	
3)	COMMERCIAL Supply System (With Mod 20343/MP P0473 or with Mod 31276/MP P7175)	C	1	0	(O) May be inoperative.	



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**TABLE KEY**

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4. REMARKS OR EXCEPTIONS

**25. Equipment/Furnishings**

Sequence No.	Item	1	2	3	4	Change Bar
25-11-01	Pilot Seat Adjustments					
1) ***	Electrical Adjustment	D	2	0	(M) May be inoperative provided: a) Horizontal and vertical mechanical adjustments operate normally, and b) Associated electrical control is deactivated.	
2)	Primary Horizontal Mechanical Adjustment	B	2	0	May be inoperative provided backup horizontal mechanical adjustment is installed and operates normally.	
3) ***	Backup Horizontal Mechanical Adjustment	D	2	0	May be inoperative provided primary horizontal mechanical adjustment operates normally.	
4)	Vertical Mechanical Adjustment	C	2	0	May be inoperative provided vertical electrical adjustment operates normally.	
5)	Lumbar	C	2	0	May be inoperative provided seat contour is satisfactory to individual/crewmember requirements.	
6)	Recline Systems	A	2	0	(M) May be inoperative provided: a) Seat is secured in an upright position acceptable to the affected crewmember, and b) Repairs are made within 2 flight-days.	
25-11-02	Crewmember Shoulder Harness (Flight Deck)	D	-	-	Any in excess of those required for flightcrew members (including official observer in forward observer's seat) may be inoperative.	
1)	Manual Shoulder Harness Locking Device	A	-	-	(M) One may be inoperative provided: a) Inertial reel auto locking mechanism is verified to operate normally, and b) Repairs are made within 3 flight-days.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4	Change Bar
25-11-03	CAPT and F/O Outboard Armrest Controls					
1)	Height Control	C	2	0	May be inoperative provided setting is acceptable to crewmember(s).	
2)	Pitch Control (Tilt)	C	2	0	May be inoperative provided setting is acceptable to crewmember(s).	
3)	Armrest Memory Position Display	C	2	0	One or both may be inoperative.	
25-11-04	CAPT and F/O Inboard Armrest Vertical Adjustment Controls	C	2	0	One or both may be inoperative.	
25-11-05 ***	Pilot Seat Headrests	D	2	0	One or both may be inoperative.	

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
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**25. Equipment/Furnishings**

Sequence No.	Item	1	2	3	4	Change Bar
25-11-06	Primary Observer's Sliding Seat (Including Associated Equipment)	A	1	0	May be inoperative provided: a) A passenger seat in the passenger cabin is made available to an FAA inspector for the performance of official duties, and b) Repairs are made within 2 flight-days.	
		A	1	0	May be inoperative provided: a) Secondary observer's seat is available to the FAA inspector for the performance of official duties, and b) Repairs are made within 2 flight-days.	
		A	1	0	May be inoperative provided: a) Required minimum safety equipment (oxygen and safety belt) is available, b) Seat is acceptable to the FAA Inspector for the performance of official duties, and c) Repairs are made within 2 flight-days.  NOTE 1: These provisos are intended to provide for occupancy of the above seats by an FAA inspector when the minimum safety equipment (oxygen and safety belt) is functional and the inspector determines the conditions to be acceptable.  NOTE 2: The pilot in command will determine if the minimum safety equipment is functional for other persons authorized to occupy any observer seat(s).	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4 <span>Change Bar</span>
25-11-07 ***	Additional Observer's Fixed Seat (Including Associated Equipment)	D	1	0	(M) May be inoperative or removed.  NOTE: The pilot in command will determine if the minimum safety equipment is functional for other persons authorized to occupy any observer seat(s).
25-13-01 ***	CAPT and F/O Sliding Tables				
1)	Sliding Tables	D	2	0	(M) May be inoperative in the stowed position or removed.
2)	Table Tilt Function	D	2	0	May be inoperative provided associated table can be stowed.
25-13-02 ***	CAPT and F/O Retractable Footrests	D	-	0	(M) May be inoperative secured in the retracted position or removed.
25-15-01 ***	Crew Foot Warmers	D	2	0	(M)(O) May be inoperative provided affected crew foot warmer is deactivated.

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**25. Equipment/Furnishings**

Sequence No.	Item	1	2	3	4	Change Bar
25-21-01	Passenger Seat(s)					
1)	Passenger Seats (Includes All Configurations and Locations)	D	-	-	May be inoperative provided: a) Seat does not restrict access to any emergency exit, egress route, or main aisle, and b) Affected seat(s) are blocked and placarded "DO NOT OCCUPY".  NOTE 1: A seat with an inoperative seat belt is considered inoperative.  NOTE 2: Inoperative seats do not affect the required number of flight attendants.  NOTE 3: Affected seat(s) may include the seat(s) behind and/or adjacent outboard seats.	
2)	Positioning Controls for Taxi, Takeoff, and Landing (TTL) (Mechanical and/or Electrical)	D	-	-	(M) May be inoperative and seat occupied provided seat is secured in the taxi, takeoff, and landing (TTL) position.	
		D	-	-	May be inoperative and seat occupied provided seat back is immovable in the taxi, takeoff, and landing (TTL) position.	
3)	Underseat Baggage Restraining Bars	C	-	-	(O) May be inoperative provided: a) Baggage is not stowed under seat with inoperative restraining bar, b) Associated seat is placarded "DO NOT STOW BAGGAGE UNDER THIS SEAT", and c) Procedures are established to alert cabin crew of inoperative restraining bar.	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
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4. REMARKS OR EXCEPTIONS

**25. Equipment/Furnishings**

Sequence No.	Item	1	2	3	4	Change Bar
25-21-01	Passenger Seat(s) (Cont'd)					
4)	Armrests					
a)	With Seat Positioning Controls for Taxi, Takeoff, and Landing (TTL) and/or Other Controls	D	-	-	(M) May be inoperative or missing and seat occupied provided: a) Armrest does not restrict access to any emergency exit, egress route, or main aisle, and b) If Armrest with seat control is missing or removed, seat is secured in taxi, takeoff, and landing (TTL) position.	
b)	Without Seat Positioning Controls for Taxi, Takeoff, and Landing (TTL) and/or Other Controls	D	-	-	May be inoperative or missing and seat occupied provided it does not restrict access to any emergency exit, egress route, or main aisle.	
5)	Seat Belt/Air Bag Restraint Systems					
a)	Seat Belt/Air Bags Required by 14 CFR	D	-	-	May be inoperative provided affected seat is blocked and placarded "DO NOT OCCUPY".	
b)	Seat Belt/Air Bags Not Required by 14 CFR	D	-	-	(M) May be inoperative or disconnected provided seat belt operates normally.	

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**25. Equipment/Furnishings**

Sequence No.	Item	1	2	3	4	Change Bar
25-22-01	Flight Attendant Seat Assembly (Single or Dual Position)	C	-	0	(O) May be inoperative or missing provided: a) No passengers are carried, b) A maximum of 19 persons authorized by 14 CFR for non-passenger-carrying operations are carried, and c) Alternate procedures are established and used.	
1)	Required Flight Attendant Seats	B	-	-	(M)(O) One seat position or assembly (dual position) may be inoperative provided: a) Affected seat position or seat assembly is not occupied, b) Flight attendant(s) displaced by inoperative seat(s) occupies either an adjacent flight attendant seat or the passenger seat which is most accessible to the inoperative seat(s) so as to most effectively perform assigned duties, c) Alternate procedures are established and used as published in crewmember manuals, d) Folding type seat stows automatically or is secured in the retracted position, and e) Passenger seat assigned to flight attendant is placarded "FOR FLIGHT ATTENDANT USE ONLY".  NOTE 1: An automatic folding seat that will not stow automatically is considered inoperative.	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
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**25. Equipment/Furnishings**

Sequence No.	Item	1	2	3	4	Change Bar
25-22-01	Flight Attendant Seat Assembly (Single or Dual Position) (Cont'd)					
1)	Required Flight Attendant Seats (Cont'd)	B	-	-	NOTE 2: A seat position with an inoperative or missing restraint system is considered inoperative.  NOTE 3: Individual operators, when operating with inoperative seats, will consider the locations and combinations of seats to ensure that the proximity to exits and distribution requirements of the applicable 14 CFR are met.  NOTE 4: If one side of a dual seat assembly is inoperative and a flight attendant is displaced to the adjacent seat, the adjacent seat must operate normally.	
2)	Excess Flight Attendant Seats	C	-	-	(M) May be inoperative provided: a) Affected seat position or seat assembly is not occupied, and b) Folding type seat stows automatically or is secured in the retracted position.  NOTE 1: An automatic folding seat that will not stow automatically is considered inoperative.  NOTE 2: A seat position with an inoperative or missing restraint system is considered inoperative.	
(Continued)						



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**TABLE KEY**

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4. REMARKS OR EXCEPTIONS

**25. Equipment/Furnishings**

Sequence No.	Item	1	2	3	4	Change Bar
25-22-01	Flight Attendant Seat Assembly (Single or Dual Position) (Cont'd)					
3)	All-Cargo Configuration	D	-	-	May be inoperative provided affected seat or seat assembly is not occupied.	
25-22-03	Nonessential Equipment and Furnishings (NEF)	-	-	0	May be inoperative, damaged, or missing provided that the item(s) is deferred in accordance with the operator's NEF deferral program. The NEF program, procedures, and processes are outlined in the operator's (insert name) Manual. (M) and (O) procedures, if required, must be available to the flightcrew and included in the operator's appropriate document.  NOTE: Exterior lavatory door ashtrays are not considered NEF items.	
25-22-04	Exterior Lavatory Door Ashtrays					
1)	Airplanes with More Than One Exterior Lavatory Door Ashtray Installed	A	-	-	Up to and including 50% may be missing or inoperative for 10 consecutive calendar-days.	
		A	-	-	More than 50% may be missing or inoperative for 3 days.	
2)	Airplanes with Only One Exterior Lavatory Door Ashtray Installed	A	1	0	May be missing or inoperative for 10 days.	

## 25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4	Change Bar
25-27-01 ***	Heating Function of Heated Floor Panels (Passenger/Crew Doors, Emergency Exits, and Galley Areas)	D	-	0	(M) May be inoperative provided the heating elements of the affected heated floor panel are deactivated.	
25-28-01	Storage Bin(s)/Cabin, Galley, and Lavatory Storage Compartment/Closets	C	-	-	<p>(M) May be inoperative provided:</p> <ul style="list-style-type: none"> <li>a) Procedures are established to secure affected bin, compartment, or closet in closed position,</li> <li>b) Associated bin or compartment is prominently placarded "DO NOT USE",</li> <li>c) Any emergency equipment located in affected compartment is considered inoperative, and</li> <li>d) Affected compartment is not used for storage of any item(s) except for those permanently affixed.</li> </ul> <p>NOTE 1: For overhead bins, if no partitions are installed, the entire overhead bin is considered one compartment.</p> <p>NOTE 2: Proviso is not intended to preclude crewmember inspections.</p> <p>(Continued)</p>	

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**25. Equipment/Furnishings**

Sequence No.	Item	1	2	3	4	Change Bar
25-28-01	Storage Bin(s)/Cabin, Galley, and Lavatory Storage Compartment/Closets (Cont'd)	C	-	-	(M)(O) May be inoperative provided: <ul style="list-style-type: none"> <li>a) For nonretractable doors, affected door is removed,</li> <li>b) For retractable doors, affected door is removed or secured in the retracted (fully open) position,</li> <li>c) Affected bin, compartment, or closet is prominently placarded "DO NOT USE",</li> <li>d) Affected bin, compartment, or closet is not used for storage of any items except those permanently affixed,</li> <li>e) Procedures are established and used to alert crewmembers and passengers of inoperative bins, compartments, or closets, and</li> <li>f) Passengers are briefed that associated bin, compartment or closet is not used.</li> </ul> <p>NOTE 1: For overhead bins, if no partitions are installed, the entire overhead bin is considered inoperative.</p> <p>NOTE 2: Any emergency equipment located in affected bin, compartment, or closet (permanently affixed) is available for use.</p> <p>(Continued)</p>	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4	Change Bar
25-28-01	Storage Bin(s)/Cabin, Galley, and Lavatory Storage Compartment/Closets (Cont'd)	C	-	-	May be inoperative in closed position provided: <ol style="list-style-type: none"> <li>a) Affected bin, compartment, or closet is prominently placarded "DO NOT USE",</li> <li>b) Any emergency equipment located in affected bin, compartment, or closet is considered inoperative, and</li> <li>c) Location placarding for any emergency equipment stored in affected bin, compartment, or closet is removed or obscured.</li> </ol> <p>NOTE: Use of this proviso may be dependent upon an operator's aircraft security program, as appropriate.</p>	
1) ***	Storage Compartment Key Locks	D	-	0	(M) May be inoperative in the unlocked position provided doors can be secured by other means.	
2)	Multi-Latch/ Quarter-Turn Lug	C	-	-	One latch per compartment may be inoperative provided: <ol style="list-style-type: none"> <li>a) Remaining latch(es)/lug(s) on affected compartment(s) operates normally, and</li> <li>b) If affected compartment is used for a galley cart, the cart remains empty.</li> </ol>	
3) ***	Mid-Latch Locking Assembly	D	-	0	May be inoperative provided galley half-length carts are not used at affected location. <p>NOTE: Galley full-length carts can be used.</p>	

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**25. Equipment/Furnishings**

Sequence No.	Item	1	2	3	4	Change Bar
25-40-01	Lavatory Waste Receptacle Access Doors/Covers/Flapper/ Doors	C	-	-	(M) May be inoperative provided: a) Associated waste container is empty, b) Affected receptacle access doors/covers/flapper door is secured to prevent waste introduction into the receptacle, c) Lavatory is used only by crewmembers, and d) Associated lavatory entrance door is locked closed and placarded "INOPERATIVE - DO NOT ENTER".  NOTE: These provisos are not intended to prohibit lavatory use or inspections by crewmembers.	
25-45-01	Galley/Cabin Waste Receptacles Access Doors/Covers/Flapper Doors	C	-	-	(M)(O) May be inoperative provided: a) The container is empty and the access is secured to prevent waste introduction into the compartment, and b) Procedures are established to ensure that sufficient galley/cabin waste receptacles are available to accommodate all waste that may be generated on a flight.	
25-50-01 ***	Cargo Loading System	D	-	0	NOTE: Any part of the CLS that operates normally may be used.	

## 25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4	Change Bar
25-50-02	Blow In/Out Panels in Lower Deck Cargo Compartments	C	-	0	<p>(O) May be damaged or missing provided procedures are established and used to ensure associated compartment remains empty or is verified to contain only empty cargo handling equipment, ballast (ballast may be loaded in ULDs), and/or Fly Away Kits.</p> <p>NOTE 1: When Blow In/Out Panels in AFT or BULK cargo compartments are damaged or missing, both cargo compartments remain empty or are verified to contain only empty cargo handling equipment, ballast (ballast may be loaded in ULDs), and/or Fly Away Kits.</p> <p>NOTE 2: Operator MELs must define which items are approved for inclusion in Fly Away Kits and which materials can be used as ballast.</p>	

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1. REPAIR CATEGORY
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**25. Equipment/Furnishings**

Sequence No.	Item	1	2	3	4	Change Bar
25-50-03	Lining Panels in Lower Deck Cargo Compartments	C	-	0	(O) May be damaged provided procedures are established and used to ensure associated compartment remains empty or is verified to contain only empty cargo handling equipment, ballast (ballast may be loaded in ULDs), and/or Fly Away Kits.  NOTE 1: Lining panels covered by this MMEL item include ceiling panels, sidewall panels, partition panels (including tarpaulin), cargo door panels, and actuator panels.  NOTE 2: When lining panels in AFT or BULK cargo compartments are damaged, both cargo compartments remain empty or are verified to contain only empty cargo handling equipment, ballast (ballast may be loaded in ULDs), and/or Fly Away Kits.  NOTE 3: Operator MELs must define which items are approved for inclusion in Fly Away Kits and which materials can be used as ballast.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4	Change Bar
25-50-03	Lining Panels in Lower Deck Cargo Compartments (Cont'd)	C	-	0	May be missing provided associated cargo compartment remains empty.	
					NOTE 1: Lining panels covered by this MMEL item include ceiling panels, sidewall panels, partition panels (including tarpaulin), cargo door panels, and actuator panels.	
					NOTE 2: When Lining Panels in AFT or BULK cargo compartments are missing, both cargo compartments remain empty.	
25-50-04	Cargo Restraint System (Nets, Attach Points, Stanchions, etc.)	A	-	-	(M) May be inoperative or missing provided: <ul style="list-style-type: none"> <li>a) Approved cargo-loading limits are observed. The only source documents are: <ul style="list-style-type: none"> <li>• Type certificate (TC),</li> <li>• Supplemental Type Certificate (STC),</li> <li>• Airplane Flight Manual (AFM),</li> <li>• Airplane Flight Manual Supplement (AFMS),</li> <li>• Pilot's Operating Handbook (POH),</li> <li>• TC/STC Weight and Balance Manual (WBM), and</li> </ul> </li> <li>b) Repairs are made within 120 consecutive calendar-days.</li> </ul>	
(Continued)						



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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**25. Equipment/Furnishings**

Sequence No.	Item	1	2	3	4	Change Bar
25-50-04	Cargo Restraint System (Nets, Attach Points, Stanchions, etc.) (Cont'd)	A	-	-	May be inoperative or missing provided: a) Cargo compartment remains empty, and b) Repairs are made within 120 consecutive calendar-days.	
		A	-	-	Individual cargo areas may be inoperative provided: a) Aircraft is operated in accordance with Original Equipment Manufacturer (OEM) W&B source document, and b) Repairs are made within 120 consecutive calendar-days.	
		C	-	0	(O) May be inoperative, damaged, or missing provided associated cargo compartment remains empty or is checked to contain only empty cargo handling equipment, ballast (ballast may be loaded in ULDs), and/or Fly Away Kits.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4	Change Bar
25-50-05 ***	Protection Panel of Decompression Panels at the FWD Partition Wall of FWD Cargo Compartment	C	-	0	(M) One or more may be damaged provided: a) The affected protection panel is removed if the damage prevents correct operation of the decompression panel, and b) Bulk loading is not permitted in the section between the affected protection panel and the closest divider net.  NOTE: Tied down cargo is not considered as bulk loading.	
25-60-01 ***	Evacuation Alarm Signaling System (EVAC COMMAND)	C	1	0	(O) May be inoperative provided alternate procedures are established and used.	
		D	1	0	May be inoperative provided operations do not require its use.	
25-60-03	SLIDE ARMED Warning Systems					
1)	SLIDE ARMED Indicator Light (Without Mod. 160940/MP P20211	C	-	0	(O) May be inoperative provided alternate procedures are established and used.	
2)	Inadvertent Slide Deployment Prevention System (ISDPS) (With Mod. 160940/MP P20211	C	-	0	(O) May be inoperative provided alternate procedures are established and used.	
a)	Acoustic Buzzer	C	-	0	May be inoperative provided associated SLIDE ARMED light is operative.	
b)	Light	C	-	0	One or more may be inoperative.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4	Change Bar
25-60-04	SLIDE Indications on ECAM DOOR/OXY Page					
1)	Passenger Doors					
a)	Armed Indication	B	-	0	(O) May be inoperative provided alternate procedures are established and used.	
b)	Not Armed Indication	C	-	0	(M)(O) May be inoperative provided: a) Alternate procedures are established and used, and b) Aircraft is not operated at night.	
2) ***	Overwing Emergency Exit(s)					
a)	Armed Indication	B	-	0	(M) May be inoperative provided a visual check is made to verify that slide(s) is armed.	
b)	Not Armed Indication	C	-	0	(M) May be inoperative provided: a) Visual check is made that slide(s) is armed, and b) Aircraft is not operated at night.	
25-60-07	"Fasten Seat Belts While Seated" Signs or Placards	C	-	-	One or more may be illegible or missing provided a legible sign or placard is visible from each occupied passenger seat.	

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**25. Equipment/Furnishings**

Sequence No.	Item	1	2	3	4	Change Bar
25-60-08	Flashlight and Holders (Flight Deck or Cabin)	C	-	-	May be inoperative or removed provided: a) Crewmember assigned to the affected position has an equivalent operative flashlight readily available, b) Inoperative flashlight remains in a certified location or is removed from the aircraft, and c) Location placarding is removed or obscured.	
		D	-	-	Any in excess of those required by 14 CFR may be inoperative or removed provided: a) Inoperative flashlight remains in a certified location until removed from the aircraft at the next suitable maintenance facility, and b) Location placarding is removed or obscured.	
1) ***	Tamper seals or Tags	C	-	-	(O) May be inoperative, damaged, or missing provided proper installation and operation is verified at each preflight.	
25-60-09	Megaphones	D	-	-	Any in excess of those required by 14 CFR may be inoperative or removed provided: a) Inoperative megaphone remains in a certified location until removed from the aircraft at the next suitable maintenance facility, and b) Location placarding is removed or obscured, and c) Required distribution is maintained.	
1) ***	Tamper seals or Tags	C	-	-	(O) May be inoperative, damaged, or missing provided proper installation and operation is verified at each preflight.	

AIRCRAFT:		TABLE KEY			
Airbus A320		1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS			
<b>25. Equipment/Furnishings</b>					
Sequence No.	Item	1	2	3	4
25-60-11 ***	Slide Raft Lanyards (White and/or Yellow)	D	8	-	(O) May be missing or damaged beyond serviceable limits provided aircraft is not operated on extended overwater flights.
25-60-12 ***	Overwater Survival Kits				Incorporated into item 25-60-17.
25-60-13	Emergency Medical Equipment				
1)	Automated External Defibrillator (AED) and/or Associated Equipment	A	-	0	(O) May be incomplete, inoperative, or removed provided: a) AED is labeled or placarded in a manner that will identify it as a unit that cannot be mistaken for a fully serviceable unit, and b) Location placarding is removed or obscured, and c) Repairs or replacements are made within one flight.  NOTE: Medical equipment installed in the aircraft as part of an Emergency Medical Service (EMS) operation is not considered part of the normal complement of equipment. No MMEL relief applies to that equipment and 14 CFR maintenance and inspection requirements do not apply.
		D	-	-	Any in excess of those required by 14 CFR may be incomplete, inoperative, or removed.
a) ***	Tamper seals or Tags	C	-	-	(O) May be inoperative, damaged, or missing provided proper servicing is verified at each preflight.  (Continued)

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

## 25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4	Change Bar
25-60-13	Emergency Medical Equipment (Cont'd)					
2)	Emergency Medical Kit (EMK) and/or Associated Equipment	A	-	0	(O) May be incomplete, or removed provided: a) EMK is labeled or placarded in a manner that will identify it as a unit that cannot be mistaken for a fully serviceable unit, and b) Location placarding is removed or obscured, and c) Repairs or replacements are made within one flight.  NOTE: Medical equipment installed in the aircraft as part of an EMS operation is not considered part of the normal complement of equipment. No MMEL relief applies to that equipment and 14 CFR maintenance and inspection requirements do not apply.	
		D	-	-	Any in excess of those required by 14 CFR may be incomplete or removed.	
a) ***	Tamper seals or Tags	C	-	-	(O) May be inoperative, damaged, or missing provided proper installation and operation is verified at each preflight.	
					(Continued)	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**25. Equipment/Furnishings**

Sequence No.	Item	1	2	3	4	Change Bar
25-60-13	Emergency Medical Equipment (Cont'd)					
3)	First Aid Kits (FAK) and/or Associated Equipment	A	-	-	<p>(O) If more than one is required by 14 CFR, only one of the required FAKs may be incomplete or removed provided:</p> <ul style="list-style-type: none"> <li>a) The FAK is labeled or placarded in a manner that will identify it as a unit that cannot be mistaken for a fully serviceable unit,</li> <li>b) Location placarding is removed or obscured, and</li> <li>c) Repairs or replacements are made within one flight.</li> </ul> <p>NOTE: Medical equipment installed in the aircraft as part of an EMS operation is not considered part of the normal complement of equipment. No MMEL relief applies to that equipment and 14 CFR maintenance and inspection requirements do not apply.</p>	
		D	-	-	Any in excess of those required by 14 CFR may be incomplete or removed.	
a) ***	Tamper seals or Tags	C	-	-	<p>(O) May be inoperative, damaged, or missing provided proper FAK servicing is verified at each preflight.</p>	

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AIRCRAFT: Airbus A320	<b>TABLE KEY</b> 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
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**25. Equipment/Furnishings**

Sequence No.	Item	1	2	3	4 <span>Change Bar</span>
25-60-14 ***	Escape Life Lines				
1)	Overwing	D	-	-	May be damaged or missing provided aircraft is not operated on extended overwater flights.
2)	Flight Deck Escape Life Line Cover Plates	C	2	0	May be damaged or missing.
25-60-15 ***	Emergency Vision Assurance Systems (EVAS) (A319/A320/A321) (Vision Safe STC #SA00892LA)	D	2	0	(M) May be inoperative provided system is deactivated.
25-60-16	Flotation Equipment (Crew and Passenger)	D	-	-	Any in excess of that required by 14 CFR may be inoperative or missing.
25-60-17 ***	Survival Kit	D	-	-	Any in excess of those required by 14 CFR may be incomplete, missing, or inoperative.
25-60-18	Crash Axe/Crow Bar	D	-	-	Any in excess of those required by 14 CFR may be inoperative or missing.
25-61-01 ***	Emergency Locator Transmitter				
1)	Survival Type ELTs	D	-	-	Any in excess of those required by 14 CFR may be inoperative or missing.



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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**25. Equipment/Furnishings**

Sequence No.	Item	1	2	3	4	Change Bar
25-61-01 ***	Emergency Locator Transmitter (Cont'd)					
2)	Fixed ELTs	A	-	0	(M) May be inoperative provided: a) System is deactivated, and b) Repairs are made within 90 days.	
		A	-	0	May be missing provided: a) Placard stating "ELT not installed" is placed in view of the pilot, and b) Repairs are made within 90 days.	
		D	-	-	(M) Any in excess of those required by 14 CFR may be inoperative provided system is deactivated.	
		D	-	-	Any in excess of those required by 14 CFR may be missing.	
3)	Low Frequency - Underwater Locator Beacon (LF-ULB) (With Mod. 162066/MP K19334)	D	-	-	Any in excess of those required by 14 CFR may be inoperative or missing provided: a) En-route operations do not require its use, and b) Placard stating "LF-ULB not installed" is placed in view of the pilot.	

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**25. Equipment/Furnishings**

Sequence No.	Item	1	2	3	4	Change Bar
25-61-02	Passenger or Overwing Door Slide/Slide Rafts (Without Passengers)	C	-	1	(M)(O) May be inoperative or missing provided: <ul style="list-style-type: none"> <li>a) No passengers are carried,</li> <li>b) A maximum of 19 persons are carried as authorized by 14 CFR for non-passenger-carrying operations,</li> <li>c) Each person has unobstructed access from their seat to an operative exit, either regular or emergency,</li> <li>d) Inoperative exits are conspicuously identified as inoperative,</li> <li>e) An Emergency Exit sign and floor proximity lights associated only with the inoperative exits are covered to obscure the sign and lights,</li> <li>f) Safety briefing includes the location of the inoperative exit(s) and instructions not to use the inoperative exit(s), and</li> <li>g) Alternate procedures are established and used.</li> </ul>	
25-65-01 ***	Security Kit and Associated Equipment	D	-	0	May be incomplete or missing.	
25-65-02 ***	Fireproof Gloves	D	-	0		

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**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**25. Equipment/Furnishings**

Sequence No.	Item	1	2	3	4	Change Bar
25-75-01 ***	Flightcrew Rest Cabin Seat					
1)	Pilot Rest Seat Recline, Leg Rest and Foot Rest (Class 2 and 3 Seats)	C	-	0	(M) May be inoperative and seat occupied provided: a) Seat is in full upright position for taxi, takeoff, and landing, and b) Seat can be manually operated to lay flat position.	
2)	Pilot Rest Seat Recline, Leg Rest and Foot Rest (Class 2 and 3 Seats)	C	-	0	May be inoperative provided operations do not require their use.	
3)	Class 2 Pilot Rest Seat Curtain	C	-	0	(O) May be inoperative and seat occupied provided Pilot Rest Seat is downgraded to a Class 3 facility for flight planning purposes.	
4)	Class 2 Pilot Rest Seat Curtain Attachments (Grommets/Magnets)	C	-	-	May be missing or inoperative with no effect on crew facility provided no two attachments in a row are inoperative.	
5)	Class 2 Pilot Rest Seat Curtain Attachments (Grommets/Magnets)	C	-	-	(O) May be inoperative and seat occupied provided Pilot Rest Seat is downgraded to a Class 3 facility for flight planning purposes.	
6)	Class 2 Pilot Rest Seat Window Shade	C	-	-	(O) May be inoperative and seat occupied provided Pilot Rest Seat is downgraded to a Class 3 facility for flight planning purposes.	
25-75-02 ***	Flightcrew Rest Facilities and Equipment (14 CFR Part 117, § 117.3 Class 3)	C	-	0	May be inoperative provided the airplane is not used for augmented flightcrew member operations.	
		C	-	0	May be inoperative provided operations do not require their use.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 25. Equipment/Furnishings

Sequence No.	Item	1	2	3	4	Change Bar
25-90-01	Printed Supplemental Safety Information	C	-	0	(O) May be inoperative or missing provided: <ol style="list-style-type: none"> <li>a) No passengers are carried,</li> <li>b) A maximum of 19 persons authorized by 14 CFR for non-passenger-carrying operations are carried, and</li> <li>c) Alternate procedures are established and used.</li> </ol>	
		C	-	-	(M)(O) May be missing or damaged provided: <ol style="list-style-type: none"> <li>a) Safety Information Card is located in convenient locations for use of each passenger,</li> <li>b) Cards cannot be missing from each exit seat, and</li> <li>c) Any seat(s) or row(s) of seats must be blocked where a Safety Information Card is not located in convenient locations for use of each passenger.</li> </ol>	

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**TABLE KEY**

1. REPAIR CATEGORY
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**26. Fire Protection**

Sequence No.	Item	1	2	3	4	Change Bar
26-00	CLASS II MAINTENANCE MESSAGES DISPLAYED ON ECAM STATUS PAGE OF ECAM SYSTEM DISPLAY					
1)	Fault(s) Indicated by SDCU (Without Mod. 30354 or without Mod. 33100)	C	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
2)	Fault(s) Indicated by SMOKE (With Mod. 30354 or with Mod. 33100)	C	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
26-12-01	Engine Fire Detection Systems					
1)	Loop A	C	2	0	(O) Except for ETOPS beyond 120 minutes, one may be inoperative on each engine provided: a) Associated Loop B is operative, and b) Engine fire test is performed before each departure.	
2)	Loop B	C	2	0	(O) Except for ETOPS beyond 120 minutes, one may be inoperative on each engine provided: a) Associated Loop A is operative, and b) Engine fire test is performed before each departure.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**26. Fire Protection**

Sequence No.	Item	1	2	3	4	Change Bar
26-12-02	FIRE Lights on ENG Control Panel	C	2	0	One or both may be inoperative.	
26-12-03	ENG FIRE pb Lights					
1)	Bulbs/LEDs	C	16	8	Four bulbs/LEDs in each pb-sw may be inoperative.	
26-13-01	APU Fire Detection System					
1)	Loops	C	2	1	Except for ETOPS beyond 120 minutes, detection loop (B) may be inoperative provided APU fire test is performed before each APU start.	
		C	2	1	Except for ETOPS beyond 120 minutes, detection loop (A) may be inoperative provided: <ul style="list-style-type: none"> <li>a) APU fire test is performed before each APU start, and</li> <li>b) During ground operations, APU condition is monitored in the cockpit.</li> </ul>	
		A	2	0	Except for ETOPS beyond 120 minutes, may be inoperative provided: <ul style="list-style-type: none"> <li>a) APU is not used, and</li> <li>b) Repairs are made within 4 flights.</li> </ul>	
		C	2	0	Except for ETOPS, may be inoperative provided APU is not used.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**26. Fire Protection**

Sequence No.	Item	1	2	3	4	Change Bar
26-13-02	APU FIRE pb Light					
1)	Bulbs/LEDs	C	8	4	Four bulbs/LEDs in pb may be inoperative.	
		C	8	0	Except for ETOPS, may be inoperative provided APU is not used.	
26-15-01	Avionics Smoke Detection System	A	1	0	(O) Except for ETOPS, may be inoperative for 3 flight-legs.	
26-16-03	Smoke Detectors in FWD Cargo Compartment	C	-	0	(O) May be inoperative provided procedures are established and used to ensure the associated compartment remains empty or is verified to contain only empty cargo handling equipment, ballast (ballast may be loaded in ULDs), and/or Fly Away Kits.	
					NOTE: Operator MELs should define which items are approved for inclusion in the Fly Away Kits and which materials can be used as ballast.	
					(Continued)	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**26. Fire Protection**

Sequence No.	Item	1	2	3	4	Change Bar
26-16-03	Smoke Detectors in FWD Cargo Compartment (Cont'd)					
1)	Aircraft with AAE, Ltd. STC No. ST01077WI (Four Detector System)	C	4	2	(M) One detector/channel in each detector enclosure may be inoperative provided the remaining detector/channel in the enclosure is verified to operate normally before each departure.	
		C	4	0	(O) May be inoperative provided procedures are established and used to ensure the associated compartment remains empty or is verified to contain only empty cargo handling equipment, ballast (ballast may be loaded in ULDs), and/or Fly Away Kits.	
					NOTE: Operator MELs should define which items are approved for inclusion in the Fly Away Kits and which materials can be used as ballast.	
26-16-04	Smoke Detectors in AFT and Bulk Cargo Compartments	C	-	0	(O) May be inoperative provided procedures are established and used to ensure the associated compartment remains empty or is verified to contain only empty cargo handling equipment, ballast (ballast may be loaded in ULDs), and/or Fly Away Kits.	
					NOTE: Operator MELs should define which items are approved for inclusion in the Fly Away Kits and which materials can be used as ballast.	
(Continued)						



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**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**26. Fire Protection**

Sequence No.	Item	1	2	3	4	Change Bar
26-16-04	Smoke Detectors in AFT and Bulk Cargo Compartments (Cont'd)					
1)	Aircraft with AAE, Ltd. STC No. ST01077WI (Six Detector System)	C	6	3	(M) One detector/channel in each detector enclosure may be inoperative provided the remaining detector/channel in the enclosure is verified to operate normally before each departure.	
		C	6	0	(O) May be inoperative provided procedures are established and used to ensure the associated compartment remains empty or is verified to contain only empty cargo handling equipment, ballast (ballast may be loaded in ULDs), and/or Fly Away Kits.	
					NOTE 1: Operator MELs should define which items are approved for inclusion in the Fly Away Kits and which materials can be used as ballast.	
					NOTE 2: If the AFT Cargo Compartment Smoke Detectors are inoperative, the bulk cargo compartment must also remain empty.	
26-16-05	FWD/AFT Detection Loops/Channels AAE, Ltd. STC No. ST01077WI	C	4	2	(M) One loop/channel (A or B) in each cargo compartment may be inoperative provided remaining loop/channel in associated cargo compartment is verified to operate normally before each departure.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 26. Fire Protection

Sequence No.	Item	1	2	3	4	Change Bar
26-17-01	Lavatory Smoke Detection System	C	-	-	<p>(M)(O) For each lavatory, the lavatory smoke detection system may be inoperative provided:</p> <ol style="list-style-type: none"> <li>a) Lavatory waste receptacle is empty,</li> <li>b) Lavatory door is locked closed and placarded "INOPERATIVE – DO NOT ENTER", and</li> <li>c) Lavatory is used only by crewmembers.</li> </ol> <p>NOTE: These provisos are not intended to prohibit lavatory use or inspections by crewmembers.</p>	
		D	-	0	Any in excess of that required by 14 CFR may be inoperative.	

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**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**26. Fire Protection**

Sequence No.	Item	1	2	3	4	Change Bar
26-17-02	Smoke Detection Control Unit (SDCU) (A319/A320/A321) (Without Mod. 30354 or without Mod. 33100)					
1)	Channels	B	2	0	(M)(O) May be inoperative provided: a) Restrictions concerning inoperative lavatory smoke detection system and cargo smoke detection system are applied, and b) Procedures are established and used to ensure all cargo compartments remain empty or are verified to contain only empty cargo handling equipment, ballast (ballast may be loaded in ULDs), and/or Fly Away Kits.  NOTE 1: Failure of a single SDCU channel is indicated by a MAINTENANCE message on ECAM STATUS page.  NOTE 2: Operator MELs must define which items are approved for inclusion in the Fly Away Kits and which materials can be used as ballast.  NOTE 3: Class E cargo compartments require only the installation of smoke or fire detection systems (not suppression).	

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**TABLE KEY**

1. REPAIR CATEGORY
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**26. Fire Protection**

Sequence No.	Item	1	2	3	4	Change Bar
26-18-01 ***	Video Control Center Standalone Smoke Detection System	C	1	0	(O) May be inoperative provided a procedure is used to check the absence of smoke in the Video Control Center every 30 minutes.	
		D	1	0	(M) May be inoperative provided the Video Control Center is deactivated.	
26-21-01	Engine AGENT 1 and 2 DISCH Light Systems	C	4	2	(M) One may be inoperative for each engine provided associated bottle(s) is verified properly charged before the first flight of each day.	
26-21-02	Engine AGENT 1 and 2 SQUIB Light Systems	C	4	0	(M) May be inoperative provided it is verified that the failure is in the test circuit only.	
26-21-03	ENG FIRE Test Systems	C	2	1	(M) One test function may be inoperative provided: <ol style="list-style-type: none"> <li>a) The fault is in the test system only,</li> <li>b) System is tested once each flight-day, and</li> <li>c) All other functions of fire detect systems operate normally.</li> </ol>	
26-22-00	APU Fire Extinguisher System	C	1	0	May be inoperative provided the APU is not used.	
26-22-01	APU Agent DISCH Light	C	1	0	(M) May be inoperative provided bottle is verified properly charged before the first flight of each day.	
		C	1	0	May be inoperative provided APU is not used.	
26-22-02	APU SQUIB Light	C	1	0	(M) May be inoperative provided APU extinguishing system firing circuit is verified operative before the first flight of the day.	
		C	1	0	May be inoperative provided APU is not used.	

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**TABLE KEY**

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4. REMARKS OR EXCEPTIONS

**26. Fire Protection**

Sequence No.	Item	1	2	3	4	Change Bar
26-22-03	APU Ground Automatic Fire Extinguisher System	C	1	0	May be inoperative provided APU is continuously monitored in the cockpit during all APU ground operations.	
		C	1	0	May be inoperative provided APU is not used.	
26-22-04	APU Fire Test System	C	1	0	(M) May be inoperative provided firing circuit and bottle low pressure detection systems are verified operative before the first flight of the day.	
		C	1	0	May be inoperative provided APU is not used.	
26-22-05	APU Fire Extinguisher Overpressure Indication (Red Disc)	C	1	0	(M) May be missing provided: <ul style="list-style-type: none"> <li>a) Squib test is used to verify squib integrity, and</li> <li>b) Bottle pressure switch is verified operative before the first flight of each day.</li> </ul>	
		C	1	0	May be missing provided APU is not used.	
26-22-06	APU FIRE PUSH pb	C	1	0	May be inoperative provided the APU is not used.	
26-22-07	APU AGENT pb	C	1	0	May be inoperative provided the APU is not used.	
26-22-08	APU Fire Extinguisher Bottle	C	1	0	May be inoperative provided the APU is not used.	
26-22-09	APU Fire Bottle Squibs	C	2	1	(M) One may be inoperative provided the remaining squib is verified operative before the first flight of each day.	
		C	2	0	May be inoperative provided the APU is not used.	

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**26. Fire Protection**

Sequence No.	Item	1	2	3	4	Change Bar
26-22-10	APU AUTO EXTING TEST	C	1	0	May be inoperative provided the APU Automatic Fire Extinguishing System is considered inoperative.	
26-22-11	APU FIRE Light on External Power Panel	C	1	0	(M) May be inoperative provided the APU Automatic Fire Extinguishing System is verified operative.	
		C	1	0	May be inoperative provided APU is continuously monitored in the cockpit during all APU ground operations.	
26-22-12	APU SHUT OFF pb on External Power Panel	C	1	0	(M) May be inoperative provided the APU Automatic Fire Extinguishing System is verified operative.	
		C	1	0	May be inoperative provided the APU Automatic Fire Extinguishing System is considered inoperative.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**26. Fire Protection**

Sequence No.	Item	1	2	3	4	Change Bar
26-23-01	FWD/AFT Cargo and BULK Cargo Compartment Fire Extinguishing System					
1)	Bottle 1	C	1	0	(O) May be inoperative provided procedures are established and used to ensure all compartments remain empty or are verified to contain only empty cargo handling equipment, ballast (ballast may be loaded in ULDs), and /or Fly Away Kits.	
					NOTE 1: Operator MELs should define which items are approved for inclusion in the Fly Away Kits and which materials can be used as ballast.	
					NOTE 2: Class E cargo compartments require only the installation of smoke or fire detection systems (not suppression).	
2) ***	Bottle 2					
a)	Without Mod. 163213/MP J4530	C	1	0	Bottle 2 may be inoperative (and cargo compartments used) provided airplane remains within 60 minutes of landing at a suitable airport.	
						(Continued)

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**26. Fire Protection**

Sequence No.	Item	1	2	3	4	Change Bar
26-23-01	FWD/AFT Cargo and BULK Cargo Compartment Fire Extinguishing System (Cont'd)					
2) ***	Bottle 2 (Cont'd)					
b)	With Mod. 163213/MP J4530	C	1	0	(O) May be inoperative provided procedures are established and used to ensure all compartments remain empty or are verified to contain only empty cargo handling equipment, ballast (ballast may be loaded in ULDs), and/or Fly Away Kits.  NOTE 1: Operator MELs should define which items are approved for inclusion in the Fly Away Kits and which materials can be used as ballast.  NOTE 2: Class E cargo compartments require only the installation of smoke or fire detection systems.	



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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 26. Fire Protection

Sequence No.	Item	1	2	3	4	Change Bar
26-23-01	FWD/AFT Cargo and BULK Cargo Compartment Fire Extinguishing System (Cont'd)					
3)	Squib of Cargo Bottle 1	C	-	0	(O) May be inoperative provided procedures are established and used to ensure associated compartment remains empty or is verified to contain only empty cargo handling equipment, ballast (ballast may be loaded in ULDs), and/or Fly Away Kits.	
					NOTE 1: When a squib of cargo bottle 1 linked to AFT Cargo Compartment is inoperative, both AFT and BULK cargo compartments remain empty or are verified to contain only empty cargo handling equipment, ballast (ballast may be loaded in ULDs), and/or Fly Away Kits.	
					NOTE 2: Operator MELs should define which items are approved for inclusion in Fly Away Kits and which materials can be used as ballast.	
					NOTE 3: Class E cargo compartments require only installation of smoke or fire detection systems (not suppression).	
4) ***	Squib of Cargo Bottle 2	C	-	0	May be inoperative provided bottle 2 is considered inoperative.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**26. Fire Protection**

Sequence No.	Item	1	2	3	4	Change Bar
26-23-02	FWD/AFT Cargo Compartment DISCH/BTL Lights	C	-	0	(M) May be inoperative provided an acceptable test procedure is used once each flight-day to verify that the bottle is properly charged.	
		C	-	0	(O) May be inoperative provided procedures are established and used to ensure the associated compartment remains empty or is verified to contain only empty cargo handling equipment, ballast (ballast may be loaded in ULDs) and/or Fly Away Kits.  NOTE 1: Operator MELs should define which items are approved for inclusion in the Fly Away Kits and which materials can be used as ballast.  NOTE 2: If the AFT Cargo Compartment DISCH light is inoperative, the bulk cargo compartment must also remain empty.	
26-23-03	CARGO SMOKE DISCH AGENT 2 Light	C	1	0	May be inoperative provided that the agent bottle 2 is considered inoperative.	
		C	1	0	(O) May be inoperative.	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**26. Fire Protection**

Sequence No.	Item	1	2	3	4	Change Bar
26-23-04	"PUSH" DSCH Switch Lights AAE, Ltd. STC No. ST01077WI	C	1	0	May be inoperative provided an acceptable test procedure is used once each flight-day to verify that the affected bottle(s) is properly charged.	
		C	1	0	(O) May be inoperative provided procedures are established and used to ensure the associated compartment remains empty or is verified to contain only empty cargo handling equipment, ballast (ballast may be loaded in ULDs), and/or Fly Away Kits.  NOTE: Operator MELs should define which items are approved for inclusion in the Fly Away Kits and which materials can be used as ballast.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**26. Fire Protection**

Sequence No.	Item	1	2	3	4	Change Bar
26-23-05	"AUTO/MAN" DSCH Switch Lights AAE, Ltd. STC No. ST01077WI	C	1	0	(O) May be inoperative provided an acceptable test procedure is used once each flight-day to verify that the affected bottle(s) is properly charged.	
		C	1	0	(O) May be inoperative provided procedures are established and used to ensure the associated compartment remains empty or is verified to contain only empty cargo handling equipment, ballast (ballast may be loaded in ULDs), and/or Fly Away Kits.  NOTE 1: Operator MELs should define which items are approved for inclusion in the Fly Away Kits and which materials can be used as ballast.  NOTE 2: Class E cargo compartments require only the installation of smoke or fire detection systems (not suppression).  NOTE 3: If the AUTO/MAN DSCH switch light is inoperative for the AFT Cargo Compartment, the bulk cargo compartment must also remain empty.	
26-23-06	DET LEDs AAE, Ltd. STC No. ST01077WI	C	4	2	(O) One LED in each cargo compartment may be inoperative provided the remaining loop in the affected compartment is verified to operate normally before each departure.	

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**26. Fire Protection**

Sequence No.	Item	1	2	3	4	Change Bar
26-23-07	FAIL LEDs AAE, Ltd. STC No. ST01077WI	C	4	2	(O) One LED in each cargo compartment may be inoperative provided the remaining loop in the affected compartment is verified to operate normally before each departure.	
26-23-08	Fault Panel (E and E Compartment) AAE, Ltd. STC No. ST01077WI	D	1	0	May be inoperative.	
26-25-01	Lavatory Waste Bin Fire Extinguisher System	C	-	-	For each lavatory, the fire extinguisher system may be inoperative provided lavatory smoke detection system operates normally.	
		C	-	-	(M)(O) For each lavatory, the fire extinguisher system may be inoperative provided: <ul style="list-style-type: none"> <li>a) Lavatory waste receptacle is empty,</li> <li>b) Lavatory door is locked closed and placarded "INOPERATIVE – DO NOT ENTER", and</li> <li>c) Lavatory is used only by crewmembers.</li> </ul>	
		D	-	0	NOTE: These provisos are not intended to prohibit lavatory use or inspection by crewmembers.  Any in excess of that required by 14 CFR may be inoperative.	

## 26. Fire Protection

Sequence No.	Item	1	2	3	4	Change Bar
26-26-24	Portable Fire Extinguishers	D	-	-	Any in excess of those required by 14 CFR may be inoperative or removed provided: <ul style="list-style-type: none"> <li>a) Inoperative fire extinguisher remains in a certified location until removed from the aircraft at the next suitable maintenance facility,</li> <li>b) Location placarding is removed or obscured, and</li> <li>c) Required distribution is maintained.</li> </ul> <p>NOTE: Inoperative fire extinguishers, removed from a certified location or removed from the aircraft, are subject to 49 CFR dangerous goods regulations.</p>	
1) ***	Tamper Seals or Tags	C	-	-	(O) May be inoperative, damaged, or missing provided proper installation and servicing is verified at each preflight.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
27-00	CLASS II MAINTENANCE MESSAGES DISPLAYED ON ECAM STATUS PAGE OF ECAM SYSTEM DISPLAY					
1)	Fault(s) Indicated by F/CTL	C	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
2)	Fault(s) Indicated by SFCS	C	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
3)	Fault(s) Indicated by SLAT SYNCH 1(2) (With Mod. 166490/MP P21265 (FWC H2-F13 Standard))	C	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	     
4)	Fault(s) Indicated by FLAP SYNCH 1(2) (With Mod. 166490/MP P21265 (FWC H2-F13 Standard))	C	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	     

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**27. Flight Controls**

Sequence No.	Item	1	2	3	4	Change Bar
27-14-01	Aileron Servo Controls					
1)	A320-200 without Mod. 26334/ MP J1616 or Mod. 26335/ MP J1617	A	4	2	(M)(O) Two associated with ELAC 2 (left green and right blue) may be inoperative provided: <ul style="list-style-type: none"> <li>a) Servos remain mechanically connected and hydraulically supplied (damping function is not affected),</li> <li>b) All roll spoilers operate normally,</li> <li>c) Aileron Servo Controls associated with ELAC 1 operate normally, and</li> <li>d) Repairs are made within 3 flight-days.</li> </ul> <p>NOTE: LAF is in degraded Mode.</p>	
		A	4	2	(M)(O) Two associated with ELAC 1 (left blue and right green) may be inoperative provided: <ul style="list-style-type: none"> <li>a) Servos remain mechanically connected and hydraulically supplied (damping function is not affected),</li> <li>b) All roll spoilers operate normally,</li> <li>c) Aileron Servo Controls associated with ELAC 2 operate normally,</li> <li>d) TR 1 and TR 2 operate normally,</li> <li>e) DC TIE contactor 1 is verified closed before takeoff, and</li> <li>f) Repairs are made within 3 flight-days.</li> </ul> <p>NOTE: LAF is in degraded Mode.</p>	
(Continued)						



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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
27-14-01	Aileron Servo Controls (Cont'd)					
2)	A318/A319/A321 and A320 with Mod. 26334/MP J1616 or Mod. 26335/MP J1617	A	4	2	(M)(O) Two associated with ELAC 2 (left green and right blue) may be inoperative provided: <ul style="list-style-type: none"> <li>a) Servos remain mechanically connected and hydraulically supplied (damping function is not affected),</li> <li>b) All roll spoilers operate normally,</li> <li>c) Aileron Servo Controls associated with ELAC 1 operate normally, and</li> <li>d) Repairs are made within 3 flight-days.</li> </ul>	
		A	4	2	(M)(O) Two associated with ELAC 1 (left blue and right green) may be inoperative provided: <ul style="list-style-type: none"> <li>a) Servos remain mechanically connected and hydraulically supplied (damping function is not affected),</li> <li>b) All roll spoilers operate normally,</li> <li>c) Aileron Servo Controls associated with ELAC 2 operate normally,</li> <li>d) TR 1 and TR 2 operate normally,</li> <li>e) DC TIE contactor 1 is verified closed before takeoff, and</li> <li>f) Repairs are made within 3 flight-days.</li> </ul>	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
27-14-02	Aileron Indications on ECAM Flight Control Page					
1)	ECAM Aileron Position Indications	C	2	0	(O) May be inoperative provided capability to move affected aileron through each servo control is verified visually before each departure.	
2)	ECAM Aileron Actuator Indications	C	4	0	One or more may be inoperative.	
27-20-01	ECAM Rudder Position Indication	B	1	0	(O) May be inoperative provided: <ol style="list-style-type: none"> <li>a) A visual verification of rudder movement is made before each departure, and</li> <li>b) RUD TRIM indication is verified at zero before each departure.</li> </ol>	
27-20-02	Rudder Hydraulic System Pressure Indication Symbol on ECAM F/CTL Page	C	3	0	One or more may be inoperative.	
27-21-01	Rudder Pedal Adjustment System	C	2	0	(O) CAPT and/or F/O may be inoperative provided: <ol style="list-style-type: none"> <li>a) Associated rudder pedals can be adjusted to a position which is acceptable to the affected crewmember, and</li> <li>b) Full and unrestricted movement of rudder pedals and brake pedal deflection is possible at both pilot stations.</li> </ol>	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**27. Flight Controls**

Sequence No.	Item	1	2	3	4	Change Bar
27-22-01	Rudder Trim Systems					
1)	System No. 1	C	1	0	(O) Except for ETOPS, may be inoperative provided: a) Approach minimums do not require its use, and b) System 2 is operative.	
2)	System No. 2	C	1	0	(O) May be inoperative provided: a) Approach minimums do not require its use, and b) System 1 is operative.	
27-22-02	Rudder Manual Trim Reset Function	C	1	0	May be inoperative provided one rudder position indication is available.	
27-22-03	Rudder Trim Position Indications	C	2	1	One indicator on ECAM or pedestal may be inoperative.	
		B	2	0	(O) May be inoperative provided: a) Rudder trim is verified to operate normally, b) Rudder position is verified at zero before each departure, and c) Rudder pedals are verified in a neutral position.	
27-23-01	Rudder Travel Limiter Systems	C	2	1	One may be inoperative.	
27-23-02	ECAM Rudder Travel Limiter Position Indication (Aircraft with Mod. 31040 and Mod. 30368)	C	1	0	May be inoperative.	

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**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**27. Flight Controls**

Sequence No.	Item	1	2	3	4	Change Bar
27-30-01	Elevator Indications on ECAM Flight Control Page					
1)	ECAM Elevator Position Indications	C	2	0	May be inoperative provided a visual verification of affected elevator movement is made before each departure.	
2)	ECAM Elevator Actuator Indications	C	4	0	One or more may be inoperative.	
27-34-02	Elevator Servo Control Position Transducers	C	8	4	(M) One per servo control must operate normally.	
27-40-01	ECAM Pitch Trim Position Indication	C	1	0	(M)(O) May be inoperative provided a check of pitch trim handwheel and stabilizer verifies synchronous movement.	
27-44-01	Stabilizer Actuator Electrical Motors	C	3	2	Motor 3 may be inoperative.	
		B	3	2	(M) Except for ETOPS, motor 2 may be inoperative provided ELAC 1 is considered inoperative.	
27-44-02	Pitch Trim Hydraulic System Pressure Indication Symbol on ECAM F/CTL Page	C	2	0	One or both may be inoperative.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**27. Flight Controls**

Sequence No.	Item	1	2	3	4	Change Bar
27-51-01	Slat/Flap Control System (SFCS)					
1)	FLAP Channels					
	(A318/A319ceo/ A320ceo/A321ceo)	B	2	1	(M)(O) SFCS 2 flap channel may be inoperative provided: <ol style="list-style-type: none"> <li>a) Slats and flaps operate normally on SFCC 1,</li> <li>b) Operation of SFCC 1 WTBs are confirmed by tests before each departure,</li> <li>c) Electrical supply to SFCC 2 flap channel is inhibited,</li> <li>d) ELAC, SEC, ADIRS, LGCIU, FAC, and RA systems operate normally,</li> <li>e) Spoilers surfaces 2 and 4 operate normally, and</li> <li>f) The minimum idle on ground function is considered inoperative.</li> </ol>	
	(A319neo/A320neo/ A321neo)	B	2	1	(M)(O) SFCS 2 flap channel may be inoperative provided: <ol style="list-style-type: none"> <li>a) Slats and flaps operate normally on SFCC 1,</li> <li>b) Operation of SFCC 1 WTBs are confirmed by tests before each departure,</li> <li>c) Electrical supply to SFCC 2 flap channel is inhibited,</li> <li>d) ELAC, SEC, ADIRS, LGCIU, FAC, and RA systems operate normally,</li> <li>e) Spoilers surfaces 2 and 4 operate normally,</li> <li>f) The minimum idle on ground function is considered inoperative, and</li> <li>g) The OAT is below ISA+35 °C.</li> </ol>	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
27-51-01	Slat/Flap Control System (SFCS) (Cont'd)					
2)	SLAT Channel	B	2	1	(M)(O) SFCS 2 slat channel may be inoperative provided: a) Slats and flaps operate normally on SFCC 1, b) Operation of SFCC 1 WTBs are confirmed by tests before each departure, c) Electrical supply to SFCC 2 slat channel is inhibited, d) ELAC, SEC, ADIRS, LGCIU, FAC, and RA systems operate normally, and e) Takeoff in CONF 1+F is prohibited.	
27-51-02	Flap Wing Tip Brake Solenoids	C	4	2	(M)(O) Solenoids associated with SFCC 2 may be inoperative provided operation of SFCC 1 WTBs is confirmed by test before each flight.	
27-54-01	Flap Hydraulic Motors	C	2	1	Green motor may be inoperative.	
		C	2	1	Yellow motor may be inoperative provided blue slat motor operates normally.	

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**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**27. Flight Controls**

Sequence No.	Item	1	2	3	4	Change Bar
27-54-02	Flap PCU Valve Blocks	B	2	1	(M)(O) SFCS 2 Flap PCU Valve Block may be inoperative provided: <ol style="list-style-type: none"> <li>a) Slats and flaps operate normally on SFCC 1,</li> <li>b) Operation of SFCC 1 WTBS are confirmed by tests before each departure,</li> <li>c) Electrical supply to SFCC 2 flap channel is inhibited,</li> <li>d) ELAC, SEC, ADIRS, LGCIU, FAC, and RA systems operate normally,</li> <li>e) Spoilers surfaces 2 and 4 operate normally, and</li> <li>f) The minimum idle on ground function is considered inoperative.</li> </ol>	
27-64-01	Spoiler Surfaces					
1)	A320 without Mod. 26334 or 26335	C	10	8	(M)(O) One pair of symmetrical surfaces 1 or 3 may be inoperative in the retracted position provided: <ol style="list-style-type: none"> <li>a) SECs associated with operative spoilers operate normally, and</li> <li>b) AFM performance penalties are applied.</li> </ol>	
		C	10	8	(M)(O) One pair of symmetrical surfaces 5 may be inoperative in the retracted position provided SECs associated with operative spoilers operate normally.	
		C	10	8	(M)(O) One pair of symmetrical surfaces 2 or 4 may be inoperative in the retracted position provided: <ol style="list-style-type: none"> <li>a) SECs associated with operative spoilers operate normally,</li> <li>b) SFCS 2 flap channel operates normally, and</li> <li>c) AFM performance penalties are applied.</li> </ol>	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
27-64-01	Spoiler Surfaces (Cont'd)					
1)	A320 without Mod. 26334 or 26335 (Cont'd)	C	10	6	(M)(O) Two pair of symmetrical surfaces 1 and 2 may be inoperative in the retracted position provided: a) SECs associated with operative spoilers operate normally, b) SFCS 2 flap channel operates normally, and c) AFM performance penalties are applied.	
		C	10	6	(M)(O) Two pair of symmetrical surfaces 3 and 4 may be inoperative in the retracted position provided: a) SECs associated with operative spoilers operate normally, b) TR 1 and TR 2 operate normally, c) DC Tie Contactor 1 is verified closed before departure, d) SFCS 2 flap channel operates normally, and e) AFM performance penalties are applied.  NOTE: If spoiler 4 or 5 is inoperative, LAF is in degraded Mode. Refer to item 27-64-02.	
2)	A318/A319/A321 and A320 with Mod. 26334 or 26335	C	10	8	(M)(O) One pair of symmetrical surfaces 1 or 3 may be inoperative in the retracted position provided: a) SECs associated with operative spoilers operate normally, b) AFM performance penalties are applied.	
(Continued)						



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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
27-64-01	Spoiler Surfaces (Cont'd)					
2)	A318/A319/A321 and A320 with Mod. 26334 or 26335 (Cont'd)	C	10	8	(M)(O) One pair of symmetrical surfaces 5 may be inoperative in the retracted position provided SECs associated with operative spoilers operate normally.	
		C	10	8	(M)(O) One pair of symmetrical surfaces 2 or 4 may be inoperative in the retracted position provided: <ul style="list-style-type: none"> <li>a) SECs associated with operative spoilers operate normally,</li> <li>b) SFCS 2 flap channel operates normally, and</li> <li>c) AFM performance penalties are applied.</li> </ul>	
		C	10	6	(M)(O) Two pair of symmetrical surfaces 1 and 2 may be inoperative in the retracted position provided: <ul style="list-style-type: none"> <li>a) SECs associated with operative spoilers operate normally,</li> <li>b) SFCS 2 flap channel operates normally, and</li> <li>c) AFM performance penalties are applied.</li> </ul>	
		C	10	6	(M)(O) Two pair of symmetrical surfaces 3 and 4 may be inoperative in the retracted position provided: <ul style="list-style-type: none"> <li>a) SECs associated with operative spoilers operate normally,</li> <li>b) TR 1 and TR 2 operate normally,</li> <li>c) DC Tie Contactor 1 is verified closed before departure,</li> <li>d) SFCS 2 flap channel operates normally, and</li> <li>e) AFM performance penalties are applied.</li> </ul>	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
27-64-01	Spoiler Surfaces (Cont'd)					
3)	A320-200 with Sharklet Mod. 160500/MP J3283 or 160080/MP J3705	C	10	8	(M)(O) One pair of symmetrical surfaces 1 or 3 may be inoperative in the retracted position provided: a) SECs associated with operative spoilers operate normally, and b) AFM performance penalties are applied.	
		C	10	8	(M)(O) One pair of symmetrical surfaces 5 may be inoperative in the retracted position provided: a) SECs associated with operative spoilers operate normally, and b) The MTOW is limited to 76,400 kg (168,430 lbs).	
		C	10	8	(M)(O) One pair of symmetrical surfaces 2 or 4 may be inoperative in the retracted position provided: a) SECs associated with operative spoilers operate normally, b) SFCS 2 flap channel operates normally, c) AFM performance penalties are applied, and d) If the pair of spoilers 4 is inoperative, the MTOW is limited to 76,400 kg (168,430 lbs).	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
27-64-01	Spoiler Surfaces (Cont'd)					
3)	A320-200 with Sharklet Mod. 160500/MP J3283 or 160080/MP J3705 (Cont'd)	C	10	6	(M)(O) Two pair of symmetrical surfaces 1 and 2 may be inoperative in the retracted position provided: <ol style="list-style-type: none"> <li>a) SECs associated with operative spoilers operate normally,</li> <li>b) SFCS 2 flap channel operates normally, and</li> <li>c) AFM performance penalties are applied.</li> </ol>	
		C	10	6	(M)(O) Two pair of symmetrical surfaces 3 and 4 may be inoperative in the retracted position provided: <ol style="list-style-type: none"> <li>a) SECs associated with operative spoilers operate normally,</li> <li>b) TR 1 and TR 2 operate normally,</li> <li>c) DC Tie Contactor 1 is verified closed before departure,</li> <li>d) SFCS 2 flap channel operates normally,</li> <li>e) AFM performance penalties are applied, and</li> <li>f) The MTOW is limited to 76,400 kg (168,430 lbs).</li> </ol>	

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DATE: XX/XX/XXXX

AIRCRAFT: Airbus A320	<b>TABLE KEY</b> 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
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**27. Flight Controls**

Sequence No.	Item	1	2	3	4	Change Bar
27-64-02	Load Alleviation Function (LAF) (A320-200 without Mod. 26334 or 26335)	D	1	0	May be inoperative.	
27-64-03	LAF Accumulators (A320-200 without Mod. 26334 or 26335)	D	4	0	One or more may be inoperative.	
27-64-04	Spoilers Hydraulic System Pressure Indication Symbol on F/CTL Page	C	3	0	One or more may be inoperative.	
27-81-01	Slat Wing Tip Brakes Solenoids	C	4	2	(M)(O) Solenoids associated with SFCC 2 may be inoperative provided: a) Approach minimums do not require its use, and b) SFCC 1 WTBs operate normally before each flight.	
27-84-01	Slats Hydraulic Motors	C	2	1	One may be inoperative.	
27-84-02	Slat PCU Valve Blocks	B	2	1	(M)(O) SFCS 2 Slat PCU Valve Block may be inoperative provided: a) Slats, Flaps, and associated monitoring and protection systems operate normally on SFCC 1, b) Operation of SFCC 1 WTBs are confirmed by tests before each departure, c) Electrical supply to SFCC 2 slat channel is inhibited, d) ELAC, SEC, ADIRS, LGCIU, FAC, and RA systems operate normally, and e) Takeoff in CONF 1+F is prohibited.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
27-92-01	Speedbrake Control System	C	1	0	(O) May be inoperative provided AFM performance penalties associated with all ground spoilers inoperative are applied.	
1)	Speedbrake 2 or 3 and 4	C	-	-	(O) May be inoperative provided AFM performance penalties associated with one pair or two pairs of ground spoilers inoperative are applied.	
27-92-02	Ground Spoiler Control System	A	1	0	(M)(O) May be inoperative provided: <ol style="list-style-type: none"> <li>a) A check of the thrust reverser system is performed before each flight to ensure that both thrust reversers operate normally,</li> <li>b) Autobrake function is not used,</li> <li>c) Approach minimums do not require its use,</li> <li>d) AFM takeoff and landing performance penalties are applied, and</li> <li>e) Repairs are made within 3 flight-legs.</li> </ol>	
1)	Spoiler 5	C	2	0	One or both may be inoperative.	
2)	Spoilers 1 and 2 or 3 and 4	C	8	4	(O) Spoilers 1 and 2 or 3 and 4 may be inoperative provided AFM performance penalties are applied.	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**27. Flight Controls**

Sequence No.	Item	1	2	3	4	Change Bar
27-92-05	Spoiler/Speedbrake Indications on ECAM F/CTL and Wheel Page	C	10	-	May be inoperative for an associated inoperative spoiler.	
		C	10	0	(O) May be inoperative provided a visual check of affected surface movement is made before each departure.	
27-92-06 ***	Side Stick Dual Input Warning System					
1)	Flashing Portion of Sidestick Dual Input Function in Lower Half of Sidestick Priority Green Light	D	2	0	May be inoperative provided Sidestick priority function is operative.	
2)	Aural Warning	D	1	0	May be inoperative.	
27-92-11 ***	STEEP APPR pb Switch (With Mod. 35542)					
1)	ON Light	C	1	0	May be inoperative.	
2)	FAULT Light	C	1	0	May be inoperative.	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**27. Flight Controls**

Sequence No.	Item	1	2	3	4	Change Bar
27-93-01	Elevator Aileron Computers (ELAC)					
1)	A320-200 without Mod. 26334 or 26335	B	2	1	(M)(O) Except for ETOPS, ELAC 1 or any ELAC 1 function may be inoperative provided: <ul style="list-style-type: none"> <li>a) Both accelerometers associated with ELAC 2 operate normally,</li> <li>b) All Sidestick transducers associated with ELAC 2 and the three SECs operate normally,</li> <li>c) ELAC 2, SECs, ADIRs, SFCCs, LGCIUs, FACs, and RAs operate normally,</li> <li>d) TR 1 and TR 2 operate normally,</li> <li>e) DC TIE contactor 1 is verified closed before each departure,</li> <li>f) All roll spoilers operate normally,</li> <li>g) Elevators and roll spoilers control through the SECs is verified operative before each flight,</li> <li>h) Approach minimums do not require its use, and</li> <li>i) Above FL 200, the use of speedbrakes lever is limited to its half position without Mod. 33317.</li> </ul> <p>NOTE 1: With ELAC 1 Roll channel failed, LAF is in degraded Mode. Refer to item 27-64-02.</p> <p>NOTE 2: When the ELAC 1 FAULT alert is displayed (ELAC 1 is not electrically supplied), F/O Take-Over pb cannot disengage AP1.</p>	
(Continued)						

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PAGE NO. 27-18

<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
27-93-01	Elevator Aileron Computers (ELAC) (Cont'd)					
2)	A318/A319/A321 and A320 with Mod. 26334 or 26335	B	2	1	(M)(O) Except for ETOPS, ELAC 1 or any ELAC 1 function may be inoperative provided: <ul style="list-style-type: none"> <li>a) Both accelerometers associated with ELAC 2 operate normally,</li> <li>b) All Sidestick transducers associated with ELAC 2 and the three SECs operate normally,</li> <li>c) ELAC 2, SECs, ADIRs, SFCCs, LGCIUs, FACs, and RAs operate normally,</li> <li>d) TR 1 and TR 2 operate normally,</li> <li>e) DC TIE contactor 1 is verified closed before each departure,</li> <li>f) All roll spoilers operate normally,</li> <li>g) Elevators and roll spoilers control through the SECs is verified operative before each flight,</li> <li>h) Approach minimums do not require its use, and</li> <li>i) Above FL 200, the use of speedbrakes lever is limited to its half position (A320 without Mod. 33317).</li> </ul> <p>NOTE: When the ELAC 1 FAULT alert is displayed (ELAC 1 is not electrically supplied), F/O Take-Over pb cannot disengage AP1.</p>	



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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
27-93-02	ELAC pb Switch					
1)	FAULT Lights	C	2	1	May be inoperative provided: a) Both FWCs operate normally, and b) ELAC indications operate normally.	
2)	OFF Lights	C	2	0	One or both may be inoperative.	
27-93-03	ECAM ELAC Indications	C	2	1	One may be inoperative for an inoperative ELAC 1.	
		C	2	0	May be inoperative provided: a) Both FWCs operate normally, and b) ELAC fault light operates normally.	

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PAGE NO. 27-20

<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
27-94-01	Spoiler Elevator Computers (SEC)					
1)	SEC 1					
a)	A320 without Mod 26334/MP J1616 or 26335/MP J1617, and A320 without Mod 160500/MP J3283 or 160080/MP J3705	C	1	0	(M)(O) Except for ETOPS, may be inoperative provided: <ul style="list-style-type: none"> <li>a) SEC 1 is deactivated,</li> <li>b) SEC 2 and SEC 3 are operative,</li> <li>c) Sidestick transducers associated with ELACs and operative SECs are verified operative before each flight,</li> <li>d) All ELACs, SFCCs, LGCIUs, RAs, FACs, and ADIRs are operative,</li> <li>e) SFCC No. 2 flap channel is operative,</li> <li>f) All aileron servo channels are operative,</li> <li>g) TR 1 and TR 2 are operative,</li> <li>h) DC TIE contactor 1 is verified closed before each flight,</li> <li>i) Elevators control through SEC 2 and ELACs and roll spoilers control through operative SECs are verified operative before each flight, and</li> <li>j) AFM performance penalties for two pairs of spoilers inoperative are applied.</li> </ul>	
					NOTE: LAF is in degraded Mode. (Refer to item 27-64-02).	
					(Continued)	

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DATE: XX/XX/XXXX

PAGE NO. 27-21

<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
27-94-01	Spoiler Elevator Computers (SEC) (Cont'd)					
1)	SEC 1 (Cont'd)					
b)	A318/A319/A321 and A320 with Mod 26334/MP J1616 or 26335/MP J1617, and A320 without Mod 160500/MP J3283 or 160080/MP J3705	C	1	0	(M)(O) Except for ETOPS, may be inoperative provided: a) SEC 1 is deactivated, b) SEC 2 and SEC 3 are operative, c) Sidestick transducers associated with ELACs and operative SECs are verified operative before each flight, d) All ELACs, SFCCs, LGCIUs, RAs, FACs, and ADIRs are operative, e) SFCC No. 2 flap channel is operative, f) All aileron servo channels are operative, g) TR 1 and TR 2 are operative, h) DC TIE contactor 1 is verified closed before each flight, i) Elevators control through SEC 2 and ELACs and roll spoilers control through operative SECs are verified operative before each flight, and j) AFM performance penalties for two pairs of spoilers inoperative are applied.	
(Continued)						

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

## 27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
27-94-01	Spoiler Elevator Computers (SEC) (Cont'd)					
1)	SEC 1 (Cont'd)					
c)	A320-200 with Sharklet Mod. 160500/MP J3283 or 160080/MP J3705	C	1	0	(M)(O) Except for ETOPS, may be inoperative provided: a) SEC 1 is deactivated, b) SEC 2 and SEC 3 are operative, c) Sidestick transducers associated with ELACs and operative SECs are verified operative before each flight, d) All ELACs, SFCCs, LGCIUs, RAs, FACs, and ADIRs are operative, e) SFCC No. 2 flap channel is operative, f) All aileron servo channels are operative, g) TR 1 and TR 2 are operative, h) DC TIE contactor 1 is verified closed before each flight, i) Elevators control through SEC 2 and ELACs and roll spoilers control through operative SECs are verified operative before each flight, j) AFM performance penalties for two pairs of spoilers inoperative are applied, and k) MTOW is limited to 76,400 kg (168,430 lbs).	
					(Continued)	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
27-94-01	Spoiler Elevator Computers (SEC) (Cont'd)					
1)	SEC 1 (Cont'd)					
d)	A321 with Mod. 163213/MP J4530 and without Mod. 162739/MP J4335	C	1	0	(M)(O) Except for ETOPS, may be inoperative provided: a) SEC 1 is deactivated, b) SEC 2 and SEC 3 are operative, c) Sidestick transducers associated with ELACs and operative SECs are verified operative before each flight, d) All ELACs, SFCCs, LGCIUs, RAs, FACs, and ADIRs are operative, e) SFCC No. 2 flap channel is operative, f) All aileron servo channels are operative, g) TR 1 and TR 2 are operative, h) DC TIE contactor 1 is verified closed before each flight, i) Elevators control through SEC 2 and ELACs and roll spoilers control through operative SECs are verified operative before each flight, j) AFM performance penalties for two pairs of spoilers inoperative are applied, and k) FWD ACT is empty or not installed.	
(Continued)						

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

Sequence No.	Item	1	2	3	4	Change Bar
27-94-01	Spoiler Elevator Computers (SEC) (Cont'd)					
1)	SEC 1 (Cont'd)					
e)	A321 with Mod. 163213/MP J4530 and with Mod. 162739/MP J4335	C	1	0	(M)(O) Except for ETOPS, may be inoperative provided: a) SEC 1 is deactivated, b) SEC 2 and SEC 3 are operative, c) Sidestick transducers associated with ELACs and operative SECs are verified operative before each flight, d) All ELACs, SFCCs, LGCIUs, RAs, FACs, and ADIRs are operative, e) SFCC No. 2 flap channel is operative, f) All aileron servo channels are operative, g) TR 1 and TR 2 are operative, h) DC TIE contactor 1 is verified closed before each flight, i) Elevators control through SEC 2 and ELACs and roll spoilers control through operative SECs are verified operative before each flight, j) AFM performance penalties for two pairs of spoilers inoperative are applied, and k) AFT2 ACT is empty or not installed.	
					(Continued)	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
27-94-01	Spoiler Elevator Computers (SEC) (Cont'd)					
2)	SEC 2					
a)	A320 without Mod 26334/MP J1616 or 26335/MP J1617, and A320 without Mod 160500/MP J3283 or 160080/MP J3705	C	1	0	(M)(O) May be inoperative provided: a) SEC 2 is deactivated, b) SEC 1 and SEC 3 are operative, c) Sidestick transducers associated with ELACs and operative SECs are verified operative before each flight, d) All ELACs, SFCCs, LGCIUs, RAs, FACs, and ADIRs are operative, e) All aileron servo channels are operative, f) Elevators control through SEC 1 and ELACs and roll spoilers control through operative SECs are verified operative before each flight.	
					NOTE: LAF is in degraded Mode. (Refer to item 27-64-02).	
					(Continued)	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
27-94-01	Spoiler Elevator Computers (SEC) (Cont'd)					
2)	SEC 2 (Cont'd)					
b)	A318/A319/A321 and A320 with Mod. 26334/MP J1616 or 26335/MP J1617, and A320 without Mod 160500/MP J3283 or 160080/MP J3705	C	1	0	(M)(O) May be inoperative provided: a) SEC 2 is deactivated, b) SEC 1 and SEC 3 are operative, c) Sidestick transducers associated with ELACs and operative SECs are verified operative before each flight, d) All ELACs, SFCCs, LGCIUs, RAs, FACs, and ADIRs are operative, e) All aileron servo channels are operative, and f) Elevators control through SEC 1 and ELACs and roll spoilers control through operative SECs are verified operative before each flight.	       
(Continued)						



1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

## 27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
27-94-01	Spoiler Elevator Computers (SEC) (Cont'd)					
2)	SEC 2 (Cont'd)					
c)	A320-200 with Sharklet Mod. 160500/MP J3283 or 160080/MP J3705	C	1	0	(M)(O) May be inoperative provided: a) SEC 2 is deactivated, b) SEC 1 and SEC 3 are operative, c) Sidestick transducers associated with ELACs and operative SECs are verified operative before each flight, d) All ELACs, SFCCs, LGCIUs, RAs, FACs, and ADIRs are operative, e) All aileron servo channels are operative, f) Elevators control through SEC 1 and ELACs and roll spoilers control through operative SECs are verified operative before each flight, and g) MTOW is limited to 76,400 kg (168,430 lbs).	                    
					(Continued)	

## 27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
27-94-01	Spoiler Elevator Computers (SEC) (Cont'd)					
2)	SEC 2 (Cont'd)					
d)	A321 with Mod. 163213/MP J4530 and without Mod. 162739/MP J4335	C	1	0	(M)(O) May be inoperative provided: a) SEC 2 is deactivated, b) SEC 1 and SEC 3 are operative, c) Sidestick transducers associated with ELACs and operative SECs are verified operative before each flight, d) All ELACs, SFCCs, LGCIUs, RAs, FACs, and ADIRs are operative, e) All aileron servo channels are operative, f) Elevators control through SEC 1 and ELACs and roll spoilers control through operative SECs are verified operative before each flight, and g) FWD ACT is empty or not installed.	
					(Continued)	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
27-94-01	Spoiler Elevator Computers (SEC) (Cont'd)					
2)	SEC 2 (Cont'd)					
e)	A321 with Mod. 163213/ MP J4530 and with Mod. 162739/MP J4335	C	1	0	(M)(O) May be inoperative provided: a) SEC 2 is deactivated, b) SEC 1 and SEC 3 are operative, c) Sidestick transducers associated with ELACs and operative SECs are verified operative before each flight, d) All ELACs, SFCCs, LGCIUs, RAs, FACs, and ADIRs are operative, e) All aileron servo channels are operative, f) Elevators control through SEC 1 and ELACs and roll spoilers control through operative SECs are verified operative before each flight, and g) AFT 2 ACT is empty or not installed.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 27. Flight Controls

Sequence No.	Item	1	2	3	4	Change Bar
27-94-01	Spoiler Elevator Computers (SEC) (Cont'd)					
3)	SEC 3	C	1	0	(M)(O) May be inoperative provided: <ul style="list-style-type: none"> <li>a) SEC 3 is deactivated,</li> <li>b) SEC 1 and SEC 2 are operative,</li> <li>c) SFCC No. 2 flap channel is operative,</li> <li>d) All aileron servo channels are operative,</li> <li>e) All roll spoilers associated with operative SECs are operative, and</li> <li>f) AFM performance penalties for two pairs of spoilers inoperative are applied.</li> </ul>	
27-94-02	SEC pb Switch					
1)	FAULT Lights	C	3	2	One may be inoperative provided associated SEC caution operates normally.	
		C	3	0	May be inoperative provided: <ul style="list-style-type: none"> <li>a) FWCs operate normally, and</li> <li>b) ECAM SEC indications operate normally.</li> </ul>	
2)	OFF Lights	C	3	0	One or more may be inoperative.	
27-94-03	SEC Indication on ECAM F/CTL Page	C	3	0	May be inoperative provided SEC pb switch fault light system operates normally.	
27-95-01	Flight Control Data Concentrators					
1)	Without Mod. 35542	C	2	1	(M) FCDC 2 may be inoperative.	
2)	With Mod. 35542	C	2	1	(M) FCDC 2 may be inoperative provided steep approach function is not used.	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-00	CLASS II MAINTENANCE MESSAGES DISPLAYED ON ECAM STATUS PAGE OF ECAM SYSTEM DISPLAY					
1)	Fault(s) Indicated by FUEL	C	-	-	NOTE: Dispatch with this MAINT STS message displayed on ECAM is permitted without CFDS interrogation.	
28-12-01	Overpressure Protectors					
1)	A318/A319/A320					
a)	Between Inner and Outer Tank	C	2	0	(O) One or both may be damaged or missing provided the inner tank fuel temperature is monitored.	
		C	2	0	(M)(O) One or both may be damaged or missing provided: a) The associated transfer valves are latched in open position, and b) The associated transfer valves are verified in the open position prior to each flight.	
					NOTE: After Transfer Valves have been electrically latched open, any refueling, repowering, or opening of the refuel door will cause the Transfer Valves to unlatch and close, requiring that the Transfer Valves be electrically latched open again.	
b)	In Vent Surge Tank	C	2	0	(M)(O) May be damaged or missing.	
						(Continued)

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-12-01	Overpressure Protectors (Cont'd)					
1)	A318/A319/A320 (Cont'd)					
c)	In Additional Center Tank(s) (With ACT(s))	C	-	0	(M)(O) May be open provided: a) Manual transfer from ACT(s) to center tank is verified to operate normally, and b) ACT(s) fuel quantity indications (both FQI if both ACTs installed) and center tank fuel quantity indications are operative on ECAM FUEL page.	
		C	-	0	May be open provided there is no fuel in any ACT.	
		C	-	0	(M)(O) May be open provided: a) Fuel in any ACT is considered unusable and included in ZFW and CG calculations, and b) ACT transfer valve is secured closed.	
2)	A321					
a)	In Vent Surge Tank	C	2	0	(M)(O) May be damaged or missing.	
b)	In Additional Center Tank(s) (With ATC(s))	C	-	0	(M)(O) May be open provided: a) Manual transfer from ACT(s) to center tank is verified to operate normally, and b) ACT(s) fuel quantity indications (both FQI if both ACTs installed) and center tank fuel quantity indications are operative on ECAM FUEL page.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-12-01	Overpressure Protectors (Cont'd)					
2)	A321 (Cont'd)					
b)	In Additional Center Tank(s) (With ATC(s)) (Cont'd)	C	-	0	May be open provided there is no fuel in any ACT.	
		C	-	0	(M)(O) May be open provided: a) Fuel in any ACT is considered unusable and included in ZFW and CG calculations, and b) ACT transfer valve is secured closed.	
3)	A321 with Mod. 163213/MP J4530					
a)	In Vent Surge Tank	C	2	0	(M)(O) May be damaged or missing.	
b)	In the Center Tank for ACT Vent Line	C	2	0	May be damaged or missing provided there is no fuel in any ACT(s) and in the center tank.	
c)	In FWD ACT	C	1	0	May be damaged or missing provided there is no fuel in any ACT(s) and in the center tank.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-15-01	Outer to Inner TK Transfer Valves					
1)	A318/A319/A320					
a)	LH Wing	C	2	0	(O) May be inoperative open.	
		C	2	0	(O) May be inoperative closed provided: a) LH outer tank is full, and b) LH outer tank fuel is considered unusable and included in ZFW and CG calculations.	   
		C	2	1	(M)(O) One may be inoperative closed provided: a) Operative LH wing outer to inner tank transfer valve is latched in open position, and b) Operative LH wing outer to inner tank transfer valve is checked to be in open position prior to each flight.	     
					NOTE: After Transfer Valves have been electrically latched open, any refueling, repowering, or opening of refuel door will cause Transfer Valves to unlatch and close. This will require Transfer Valves to be electrically latched open again.	     
					(Continued)	



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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-15-01	Outer to Inner TK Transfer Valves (Cont'd)					
1)	A318/A319/A320 (Cont'd)					
b)	RH Wing	C	2	0	(O) May be inoperative open.	
		C	2	0	(O) May be inoperative closed provided: a) RH outer tank is full, and b) RH outer tank fuel is considered unusable and included in ZFW and CG calculations.	   
		C	2	1	(M)(O) One may be inoperative closed provided: a) Operative RH wing outer to inner tank transfer valve is latched in open position, and b) Operative RH wing outer to inner tank transfer valve is checked to be in open position prior to each flight.	     
					NOTE: After Transfer Valves have been electrically latched open, any refueling, repowering, or opening of refuel door will cause Transfer Valves to unlatch and close. This will require Transfer Valves to be electrically latched open again.	     

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

## 28. Fuel

Sequence No.	Item	1	2	3	4
28-20-01	Automatic Fuel Feed System  Feed System for A318/A319/A320 without Mod. 154327/MP J3527				
a)	With Mod. 37508/MP J2832	C	1	0	(O) May be inoperative provided alternate procedures are established and used.
b)	Without Mod. 37508/MP J2832	C	1	0	(O) May be inoperative provided the total FOB after refueling is less than or equal to 12,000 kg (26,500 lbs).
		C	1	0	(O) May be inoperative provided: a) The total FOB after refueling is more than 12,000 kg (26,500 lbs), and b) The fuel quantity in the center tank is between 2,000 kg (4,400 lbs) and 3,000 kg (6,600 lbs).
28-21-01	Wing Tank Pumps (Aircraft Fitted with Mod. 36387/MP J2487 or Aircraft Not Specified in Service Bulletin A320-28-1102)				
1)	CFM Engines	C	4	3	(O) One pump may be inoperative provided JP4/Jet B is not used.
		C	4	3	(M)(O) One pump 2 may be inoperative when JP4/Jet B is used provided: a) Prior to each flight, fuel return valve is verified to operate normally, and b) Takeoff ECAM fuel temperature is less than 30 °C.
(Continued)					

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-21-01	Wing Tank Pumps (Aircraft Fitted with Mod. 36387/MP J2487 or Aircraft Not Specified in Service Bulletin A320-28-1102) (Cont'd)					
2)	IAE Engines	C	4	3	(O) One pump may be inoperative provided JP4/Jet B is not used.	
		C	4	3	(O) One pump 2 may be inoperative when JP4/Jet B is used provided takeoff fuel temperature is less than 30 °C.	
3)	PW Engines	C	4	3	(O) One pump may be inoperative provided JP4/Jet B is not used.	
28-21-02	Center Tank Systems					
1)	Pumps					
a)	A318/A319/A320 without ACT and without Mod. 154327/MP J3527	C	2	1	(O) One may be inoperative provided (when center tank fuel is required) a suitable alternate airport exists within range of wing tanks fuel loading.	
		C	2	0	(O) May be inoperative provided: a) Center tank pumps remain OFF, and b) Center tank remains empty.	
		C	2	0	(O) May be inoperative provided fuel in center tank is considered unusable and is included in ZFW and CG calculations.	
(Continued)						

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-21-02	Center Tank Systems (Cont'd)					
1)	Pumps (Cont'd)					
b)	A319/A320 with ACT(s) and without Mod. 154327/MP J3527	C	2	1	(O) One may be inoperative provided (when center tank fuel is required) a suitable alternate airport exists within range of wing tanks fuel loading.	
		C	2	0	(O) May be inoperative provided: a) Center tank pumps remain OFF, and b) Center tank and ACT(s) remain empty.	
		C	2	0	(M)(O) May be inoperative provided fuel in center tank or ACT(s) is considered unusable and included in ZFW and CG calculations and the ACT transfer valve is secured closed.	
2)	Transfer Valves					
a)	A321 without ACT or A319/A320 without ACT and with Mod. 154327/MP J3527	C	2	1	(O) One may be inoperative in closed position provided (when center tank fuel is required) a suitable alternate airport exists within range of wing tanks fuel loading.	
		C	2	0	(O) May be inoperative in closed position provided center tank remains empty.	
		C	2	0	(O) May be inoperative in closed position provided fuel in center tank is considered unusable and is included in ZFW and CG calculations.	
		C	2	0	(O) May be inoperative in open position provided center tank remains empty.	
(Continued)						

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-21-02	Center Tank Systems (Cont'd)					
2)	Transfer Valves (Cont'd)					
b)	A321 with ACT(s) or A319/A320 with ACT(s) and with Mod. 154327/MP J3527	C	2	1	(O) One may be inoperative in closed position provided (when center tank fuel is required) a suitable alternate airport exists within range of wing tanks fuel loading.	
		C	2	0	May be inoperative in closed position provided center tank and ACTs remain empty.	
		C	2	0	May be inoperative in closed position provided fuel in center tank and ACTs is considered unusable and is included in ZFW and CG calculations.	
		C	2	0	May be inoperative in open position provided center tank and ACTs remain empty.	
		C	2	0	(M)(O) May be inoperative in open position provided: <ol style="list-style-type: none"> <li>a) Center tank remains empty,</li> <li>b) Fuel in any ACT is considered unusable and is included in ZFW and CG calculations, and</li> <li>c) ACT transfer valve is secured closed.</li> </ol>	

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-21-03	Wing Tank Pump Sequence Valves (A318/A319/A320) without Mod. 154327/MP J3527	C	4	3	(O) One may be inoperative provided the associated pump is switched off when center tank is feeding.	
28-23-02	CROSSFEED pb Switch					
1)	ON Light	C	1	0	May be inoperative provided X FEED indication on ECAM FUEL page operates normally.	
2)	OPEN Light	C	1	0	May be inoperative provided X FEED indication on ECAM FUEL page operates normally.	
28-24-01	Engine LP Fuel Valve Electrical Motor (With Mod. 25537)	C	4	2	(M) One may be inoperative on each valve provided: a) Affected valve motor is deactivated, and b) Remaining valve motor is checked operative.	
28-25-01	Fuel Quantity Preselector System	C	-	0	One or more may be inoperative.	
28-25-02	Fuel Quantity Indicator (Refueling Panel)	C	1	0	(M) One or more indications may be inoperative provided alternate means of refueling are used.	

(Continued)

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-25-03	High Level Fuel Detection System (Cont'd)					
3)	A321 with ACT(s)					
a)	Wing Tank	C	1	0	May be inoperative provided an acceptable means of monitoring fuel loading is used.	
b)	Center Tank	C	1	0	(M)(O) May be inoperative provided: <ul style="list-style-type: none"> <li>a) An acceptable means of monitoring fuel loading is used,</li> <li>b) Manual transfer from ACT(s) to center tank is verified to operate normally, and</li> <li>c) ACT(s) and center fuel indications on ECAM FUEL page are operative.</li> </ul>	
		C	1	0	May be inoperative provided: <ul style="list-style-type: none"> <li>a) An acceptable means of monitoring fuel loading is used, and</li> <li>b) There is no fuel in any ACT.</li> </ul>	
		C	1	0	(M)(O) May be inoperative provided: <ul style="list-style-type: none"> <li>a) An acceptable means of monitoring fuel loading is used,</li> <li>b) Fuel in any ACT is considered unusable and included in ZFW and CG calculations, and</li> <li>c) ACT transfer valve is secured closed.</li> </ul>	
c)	Additional Center Tank(s)	C	-	0	May be inoperative provided an acceptable means of monitoring fuel loading is used.	
28-25-04	Refuel Valves	C	3	0	(M) May be inoperative provided alternate procedures are developed and used.	



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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-25-05	Transfer Defuel Valve	C	1	0	(M) May be inoperative provided valve is secured in the closed position.	
28-25-06	Refuel/Defuel Control Panel					
1)	Exterior Control Panel					
a)	Aircraft without Mod 20164/MP J0022 or 22760/MP J0835	C	1	0	(M) May be inoperative provided alternate procedures are established and used.	
b)	Aircraft with Mod 20164/MP J0022 or 22760/MP J0835	C	1	0	(O) May be inoperative provided that the cockpit fuel quantity pre-selector is operative.	
		C	1	0	(M) May be inoperative provided alternate procedures are established and used.	
2) ***	Cockpit Control Panel (Aircraft with Mod 20164/MP J0022 or 22760/MP J0835)	D	1	0	May be inoperative.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-28-01	Auto Transfer System Additional Center Tank(s) (ACT)					
1)	A319/A320/A321 with ACT(s) without Mod. 163213/MP J4530	C	1	0	May be inoperative provided there is no fuel in any ACT.	
		C	1	0	(M)(O) May be inoperative provided: a) Fuel in any ACT is considered unusable and included in ZFW and CG calculations, and b) ACT transfer valve is secured closed.	
		C	1	0	(O) May be inoperative provided: a) Manual transfer from ACT(s) to center tank is checked before each flight, and b) ACT(s) and center tank fuel quantity indications on ECAM FUEL page are operative.	
2)	A321 with Mod. 163213/MP J4530	C	1	0	May be inoperative provided there is no fuel in any ACT.	
		C	1	0	(O) May be inoperative provided: a) Manual transfer from ACT(s) to center tank is checked before each flight, and b) ACT(s) and center tank fuel quantity indications on ECAM FUEL page are operative.	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-28-02	Transfer Valve Additional Center Tank(s)					
1)	A319/A320/A321 with ACT(s) without Mod. 163213/MP J4530	C	1	0	May be inoperative in closed position provided there is no fuel in any ACT.	
		C	1	0	(M)(O) May be inoperative in closed position provided: <ul style="list-style-type: none"> <li>a) Fuel in any ACT is considered unusable and included in ZFW and CG calculations, and</li> <li>b) ACT transfer valve is secured closed.</li> </ul>	
		C	1	0	(M) May be inoperative in open position provided an alternate procedure is used for refueling ACT(s).	
2)	A321 with ACT(s) with Mod. 163213/MP J4530	C	1	0	May be inoperative in closed position provided there is no fuel in any ACT.	
		C	1	0	(M)(O) May be inoperative in open position provided an alternate procedure is used for refueling ACT(s).	
28-28-03	Transfer Pump Additional Center Tank(s)	C	1	0	May be inoperative.	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-28-04	Air Shutoff Valve Additional Center Tank(s)					
1)	A319/A320/A321 with ACT(s) without Mod. 163213/MP J4530	C	1	0	May be inoperative closed provided there is no fuel in any ACT.	
		C	1	0	(M)(O) May be inoperative closed provided: a) Fuel in any ACT is considered unusable and included in ZFW and CG calculations, and b) ACT transfer valve is secured closed.	
		C	1	0	(O) May be inoperative closed provided: a) Manual transfer from ACT(s) to center tank is verified to operate normally, and b) ACT(s) and center tank fuel quantity indications on ECAM FUEL page are operative.	
2)	A321 with ACT(s) with Mod. 163213/MP J4530	C	1	0	May be inoperative closed provided there is no fuel in any ACT.	
		C	1	0	(O) May be inoperative closed provided: a) Manual transfer from ACT(s) to center tank is verified to operate normally, and b) ACT(s) and center tank fuel quantity indications on ECAM FUEL page are operative.	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-28-05	Inward Pressure Relief Valve Additional Center Tank(s)	C	-	0	May be inoperative open provided there is no fuel in any ACT.	
28-28-06	Vent Valve Additional Center Tank(s)					
1)	A319/A320/A321 with ACT(s) without Mod. 163213/MP J4530	C	-	0	May be inoperative provided there is no fuel in any ACT.	
		C	-	0	(M)(O) May be inoperative provided: a) Fuel in any ACT is considered unusable and included in ZFW and CG calculations, and b) ACT transfer valve is secured closed.	
		C	-	0	(M)(O) May be inoperative provided: a) Manual transfer from ACT(s) to center tank is verified to operate normally, b) ACT(s) and center tank fuel quantity indications on ECAM FUEL page are operative, and c) Associated ACT vent valve is secured open.	
2)	A321 with ACT(s) with Mod. 163213/MP J4530	C	1	0	May be inoperative provided there is no fuel in any ACT.	
		C	1	0	(M) May be inoperative in closed position provided an alternate procedure is used for refueling ACT(s).	

### TABLE KEY

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

## 28. Fuel

Sequence No.	Item	1	2	3	4	Change Bar
28-28-07	Refuel Valve Additional Center Tank(s)	C	1	0	(M) May be inoperative in the closed position.  NOTE: The (M) procedure only needs to be accomplished at each ACT refueling.	
		C	1	0	May be inoperative in open position.	
28-28-08	Inlet Valve Additional Center Tank(s)					
1)	ACT 1	C	1	0	May be inoperative in closed position provided there is no fuel in any ACT.	
		C	1	0	(M)(O) May be inoperative in closed position provided: a) Fuel in any ACT is considered unusable and included in ZFW and CG calculations, and b) ACT transfer valve is secured closed.	
		C	1	0	(M) May be inoperative in open position provided: a) ACT 2 is not installed or is empty, and b) Transfer valve is verified operative prior to each flight when ACT 1 is used.	
					(Continued)	

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-28-08	Inlet Valve Additional Center Tank(s) (Cont'd)					
2)	ACT 2	C	1	0	May be inoperative in closed position provided there is no fuel in ACT 2.	
		C	1	0	(M)(O) May be inoperative in closed position provided: <ul style="list-style-type: none"> <li>a) Fuel in any ACT is considered unusable and included in ZFW and CG calculations, and</li> <li>b) ACT transfer valve is secured closed.</li> </ul>	
		C	1	0	May be inoperative in open position provided there is no fuel in any ACT.	
		C	1	0	(M) May be inoperative in open position provided: <ul style="list-style-type: none"> <li>a) Fuel in any ACT is considered unusable and included in ZFW and CG calculations, and</li> <li>b) ACT transfer valve is secured closed.</li> </ul>	
3)	AFT 1 ACT (A321 with Mod. 163213/MP J4530)	C	1	0	May be inoperative in closed position provided there is no fuel in any ACT.	
4)	AFT 2 ACT (A321 with Mod. 163213/MP J4530 and without Mod. 162739/MP J4335)	C	1	0	May be inoperative in closed position provided there is no fuel in any ACT.	
		C	1	0	May be inoperative in closed position provided there is no fuel in FWD ACT and AFT 2 ACT.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-28-08	Inlet Valve Additional Center Tank(s) (Cont'd)					
5)	AFT2 ACT (A321 with Mod. 163213/MP J4530 and with Mod. 162739/MP J4335)	C	1	0	May be inoperative in closed position provided there is no fuel in any ACT.	
		C	1	0	May be inoperative in closed position provided there is no fuel in AFT 2 ACT.	
6)	FWD ACT (A321 with Mod. 163213/MP J4530 and without Mod. 162739/MP J4335)	C	1	0	May be inoperative in closed position provided there is no fuel in any ACT.	
		C	1	0	May be inoperative in closed position provided there is no fuel in FWD ACT.	
7)	FWD ACT (A321 with Mod. 163213/MP J4530 and with Mod. 162739/MP J4335)	C	1	0	May be inoperative in closed position provided there is no fuel in any ACT.	
		C	1	0	May be inoperative in closed position provided there is no fuel in FWD ACT and AFT 2 ACT.	



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AIRCRAFT: Airbus A320	<b>TABLE KEY</b> 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
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**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-28-09	FWD ACT Ventilation Isolation Valve					
1)	A321 with Mod. 163213/ MP J4530 and without Mod. 162739/MP J4335	C	1	0	May be inoperative in the closed position provided there is no fuel in FWD ACT.	
2)	A321 with Mod. 163213/MP J4530 and with Mod. 162739/MP J4335	C	1	0	May be inoperative in the closed position provided there is no fuel in FWD ACT and AFT 2 ACT.	
28-28-10	FWD ACT Isolation Valve					
1)	A321 with Mod. 163213/MP J4530 and without Mod. 162739/MP J4335	C	1	0	(M) May be inoperative in the closed position provided: a) There is no fuel in FWD ACT, and b) FWD ACT REFUEL VALVE selector, located on the ACT refueling control panel, is set to SHUT.	
2)	A321 with Mod. 163213/MP J4530 and with Mod. 162739/MP J4335	C	1	0	(M) May be inoperative in the closed position provided: a) There is no fuel in FWD ACT and AFT 2 ACT, and b) FWD ACT REFUEL VALVE selector and AFT 2 ACT REFUEL VALVE selector, located on the ACT refueling control panel, are set to SHUT.	

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-28-11	Fuel ACT Overhead Panel (A321 with Mod. 163213/MP J4530)					
1)	ACT XFR MODE SEL pb-sw					
a)	FAULT light	C	1	0	(O) May be inoperative provided the fuel quantity indications of the ACTs are operative on the ECAM FUEL page.	
b)	MAN light	C	1	0	May be inoperative.	
2)	ALL ACT pb-sw					
a)	OVFL light	C	1	0	May be inoperative provided the fuel quantity indication of the center tank is operative on the ECAM FUEL page.	
b)	ISOL light	C	1	0	May be inoperative.	
3)	FWD ACT pb-sw					
a)	FAULT light	C	1	0	May be inoperative.	
b)	OVRD light	C	1	0	May be inoperative.	
4)	ACT XFR selector	C	1	0	(O) May be inoperative.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 28. Fuel

Sequence No.	Item	1	2	3	4	Change Bar
28-40-01	Low Level Detection Systems					
1)	Wing	C	2	1	One may be inoperative provided all flight deck fuel quantity indicators are operative.	
2)	Additional Center Tank					
a)	A319/A320/A321 with ACT(s) without Mod. 163213/MP J4530	C	-	0	(M)(O) May be inoperative provided: <ol style="list-style-type: none"> <li>a) Manual transfer from ACT to center tank is verified to operate normally,</li> <li>b) ACT(s) and center tank fuel quantity indications on ECAM FUEL page are operative, and</li> <li>c) There is no fuel in ACT 2.</li> </ol>	
		C	-	0	May be inoperative provided there is no fuel in any ACT.	
		C	-	0	(M)(O) May be inoperative provided: <ol style="list-style-type: none"> <li>a) Fuel in any ACT is considered unusable and included in ZFW and CG calculations, and</li> <li>b) ACT transfer valve is secured closed.</li> </ol>	
b)	A321 with ACT(s) with Mod. 163213/MP J4530	C	-	0	May be inoperative provided the ACT auto transfer system is considered inoperative.	
28-40-02	Fuel Quantity Indicating Computer System					
1)	Channels					
a)	A321 without Mod 155635/MP J3702 or A319/A320 without Mod 155636/MP J3703	A	2	1	Except for ETOPS, one may be inoperative provided: <ol style="list-style-type: none"> <li>a) Low level warning system operates normally, and</li> <li>b) Repairs are made within 2 flight-days.</li> </ol>	

(Continued)

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-40-02	Fuel Quantity Indicating Computer System (Cont'd)					
1)	Channels (Cont'd)					
b)	A319 with Mod 28238/MP J1993 and without Mod 155636/MP J3703 or A321 with Mod 155635/MP J3702 and with Mod.163213/MP J4530	A	2	1	Except for ETOPS operations, one may be inoperative provided: a) Low level warning system operates normally, b) Repairs are made within 2 flight-days, and c) There is no fuel in any ACT.	
c)	A321 with Mod 155635/MP J3702 and without Mod 163213/MP J4530 or A319/A320 with Mod 155636/MP J3703	A	2	1	(M) Except for ETOPS operations, one may be inoperative provided: a) Low level warning system operates normally, b) Repairs are made within 2 flight-days, and c) Alternate procedures are developed and used.	
28-40-03	TK PUMP and CTR TK XFR FAULT Lights					
1)	TK PUMP FAULT Lights	C	-	0	(O) May be inoperative provided associated pump is switched off when tank is empty.	
2)	CTR TK XFR FAULT Lights (A321 or A319/A320 with Mod. 154327/MP J3527)	C	2	0	(O) May be inoperative provided associated transfer valve is switched off when tank is empty.	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-40-04	TK PUMP and CTR TK XFR OFF Lights					
1)	TK PUMP OFF Lights	C	-	0	May be inoperative provided corresponding pump indication is available on ECAM.	
2)	CTR TK XFR OFF Lights (A321 or A319/A320 with Mod. 154327/MP J3527)	C	2	0	May be inoperative provided corresponding transfer valve indication is available on ECAM.	
28-40-05	Fuel Transfer Control					
1)	MODE SEL FAULT Light					
a)	A318 or A319/A320 without Mod. 154327/MP J3527	C	1	0	(O) May be inoperative provided all tank pump indications on ECAM FUEL page are operative.	
b)	A321 or A319/A320 with Mod. 154327/MP J3527	C	1	0	May be inoperative provided all wing tank pumps and center tank transfer valves indications on ECAM FUEL page are operative.	
2)	ACT pb Switch Additional Center Tank					
a)	FAULT Light	C	1	0	(O) May be inoperative provided ACT and center tank fuel quantity indications on ECAM FUEL page are operative.	
b)	FWD Light	C	1	0	May be inoperative.	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-40-06	ECAM FUEL PAGE Indications					
1)	A318/A319/A320					
a)	Tank Pumps					
i)	A318 or A319/A320 without Mod. 154324/MP J3527	C	-	0	One or more may be inoperative.	
ii)	Wing Tank Pumps and Center Tank Transfer Valves (A319/A320 with Mod. 154324/MP J3527)	C	6	0	One or more may be inoperative.	
b)	APU LP Valve	C	1	0	(M)(O) May be inoperative provided: a) Valve is secured closed, and b) APU is considered inoperative.	
c)	Cross Feed	C	1	0	(M) May be inoperative provided operation of the cross feed valve is verified before first flight of each day, and for ETOPS, is verified before each flight.	
d)	Transfer Valves	C	2	0	(M)(O) May be inoperative provided: a) Associated inner and outer cells fuel quantity indicators are operative, and b) Transfer valve operation is verified before each departure.	
e)	Fuel Temperature	C	4	2	One in each wing or both in one wing may be inoperative.	
(Continued)						

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-40-06	ECAM FUEL PAGE Indications (Cont'd)					
1)	A318/A319/A320 (Cont'd)					
f)	Fuel on Board	C	1	0	May be inoperative provided: a) Associated indication is available on the MCDU, and b) Fuel Used indications operate normally.	
g)	Fuel Quantity Indications (All Tanks)	D	-	-	(O) The last two digits may be displayed dashed (degraded Mode) provided the loss of accuracy is accounted for in fuel planning.  NOTE 1: Fuel quantity is considered operative.  NOTE 2: Fuel on Board display will also be in degraded (dashed) Mode.	
h)	Fuel Quantity Outer Tank	C	2	1	(M) One may be inoperative provided: a) Fuel quantity in associated tank is verified after each refueling by manual magnetic indicators or by corresponding fuel quantity indicator on refuel/defuel panel, b) Associated fuel used indicator operates normally, and c) Associated inner tank indication is operative.	
(Continued)						

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-40-06	ECAM FUEL PAGE Indications (Cont'd)					
1)	A318/A319/A320 (Cont'd)					
h)	Fuel Quantity Outer Tank (Cont'd)					
		C	2	1	(M) One may be inoperative provided: a) High level fuel detection system is verified operative before refueling the aircraft, b) Alternate procedure is used for refueling the aircraft, c) Associated fuel used indicator operates normally, and d) Associated inner tank indication is operative.	
		B	2	1	(M) One may be inoperative provided: a) Fuel quantity in associated tank is verified after each refueling by manual magnetic indicators or by corresponding fuel quantity indicator on refuel/defuel panel, and b) Associated fuel used indicator operates normally.	
		B	2	1	(M) One may be inoperative provided: a) High level fuel detection system is verified operative before refueling the aircraft, b) Alternate procedure is used for refueling the aircraft, and c) Associated fuel used indicator operates normally.	
(Continued)						



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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-40-06	ECAM FUEL PAGE Indications (Cont'd)					
1)	A318/A319/A320 (Cont'd)					
i)	Fuel Quantity Inner Tank	C	2	1	(M) One may be inoperative provided: a) Fuel quantity in associated tank is verified after each refueling by manual magnetic indicator or by corresponding fuel quantity indicator on refuel/defuel panel, b) Associated fuel used indicator operates normally, and c) Associated outer tank indication is operative.	
		B	2	1	(M) One may be inoperative provided: a) Fuel quantity in associated tank is verified after each refueling by manual magnetic indicator or by corresponding fuel quantity indicator on refuel/defuel panel, and b) Associated fuel used indicator operates normally.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-40-06	ECAM FUEL PAGE Indications (Cont'd)					
1)	A318/A319/A320 (Cont'd)					
j)	Fuel Quantity Center Tank					
i)	A318/A319/A320 without ACT	C	1	0	(M) May be inoperative provided:	
					a) Fuel quantity in associated tank is verified after each refueling,	
					b) All wing tank quantity indicators operate normally, and	
					c) Both fuel used indicators operate normally.	
		C	1	0	May be inoperative provided the tank remains empty.	
		C	1	0	May be inoperative provided fuel is considered unusable and is included in computing ZFW and CG calculations.	
					(Continued)	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-40-06	ECAM FUEL PAGE Indications (Cont'd)					
1)	A318/A319/A320 (Cont'd)					
j)	Fuel Quantity Center Tank (Cont'd)					
ii)	A319/A320 with ACT(s)	C	1	0	(M)(O) May be inoperative provided: a) Fuel quantity in center tank is verified after each refueling, b) All wing tank and ACT quantity indicators are operative, c) Both fuel used indicators operate normally, and d) Forward transfer from ACT(s) to center tank is monitored during flight.	
		C	1	0	May be inoperative provided: a) Center tank remains empty or fuel is considered unusable and is included in ZFW and CG calculations, and b) There is no fuel in ACT.	
		C	1	0	(M)(O) May be inoperative provided: a) Center tank remains empty or fuel is considered unusable and is included in ZFW and CG calculations, and b) Fuel in any ACT is considered unusable and included in ZFW and CG calculations and the ACT transfer valve is secured closed.	
					NOTE: This failure will result in the inhibition or erroneous triggering of ECAM caution FUEL ACT XFR FAULT while automatic transfer is still operative.	
					(Continued)	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-40-06	ECAM FUEL PAGE Indications (Cont'd)					
1)	A318/A319/A320 (Cont'd)					
k)	Fuel Quantity Additional Center Tank(s) (A319/A320 with ACT(s))	C	-	-	(M)(O) One may be inoperative provided: <ul style="list-style-type: none"> <li>a) All wing tanks, center tank, and other ACT fuel quantity indicators are operative,</li> <li>b) Both fuel used indicators operate normally,</li> <li>c) Forward transfer from ACT(s) to center tank is monitored during flight, and</li> <li>d) Tank is serviced with a known quantity.</li> </ul>	
		C	-	0	(M) May be inoperative provided ACT(s) is verified empty after each refueling.  NOTE: This failure will result in inhibition or erroneous display of the ECAM caution FUEL ACT XFR FAULT.	
l)	ACT to CTR Tank Transfer Indication (Arrow) Additional Center Tank (A319/A320 with ACT(s))	C	1	0	May be inoperative provided ACT(s) and center tank fuel quantity indications on ECAM FUEL page are operative.	
m)	Engine LP Valve Indication	C	2	0	(M) May be inoperative provided associated LP valve(s) is checked operative before each flight.	
n) ***	FUEL FLOW 1+2 (With MP P7092)	C	1	0	May be inoperative.	
(Continued)						

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-40-06	ECAM FUEL PAGE Indications (Cont'd)					
1)	A318/A319/A320 (Cont'd)					
o)	FUEL USED	C	2	0	May be inoperative provided associated fuel used indication on ENG SD page is considered inoperative.	
p) ***	FUEL USED 1+2 (With Mod 30368/ MP P6578)	C	1	0	May be inoperative.	
2)	A321					
a)	Wing Tank Pumps and Center Tank Transfer Valves	C	6	0	One or more may be inoperative.	
b)	APU LP Valve	C	1	0	(M)(O) May be inoperative provided: a) Valve is secured closed, and b) APU is considered inoperative.	
c)	Cross Feed	C	1	0	(M) May be inoperative provided operation of the cross feed valve is verified before first flight of each day, and for ETOPS, is verified before each flight.	
d)	Fuel Temperature	C	2	1	One may be inoperative.	
e)	Fuel on Board	C	1	0	May be inoperative provided: a) Associated indication is available on the MCDU, and b) Fuel Used indications operate normally.	
(Continued)						

AIRCRAFT: Airbus A320		TABLE KEY			
		1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS			
<b>28. Fuel</b>					
Sequence No.	Item	1	2	3	4
28-40-06	ECAM FUEL PAGE Indications (Cont'd)				
2)	A321 (Cont'd)				
f)	Fuel Quantity Wing Tank	C	2	1	(M) One may be inoperative provided: a) Fuel quantity in associated tank is verified after each refueling, and b) Associated fuel used indicator operates normally.
g)	Fuel Quantity Indications (All Tanks)	D	-	-	(O) The last two digits may be displayed dashed (degraded Mode) provided the loss of accuracy is accounted for in fuel planning.  NOTE 1: Fuel quantity is considered operative.  NOTE 2: Fuel on Board display will also be in degraded (dashed) Mode.
h)	Fuel Quantity Center Tank				
i)	A321 without ACT	C	1	0	(M) May be inoperative provided: a) Fuel quantity in associated tank is verified after each refueling, b) All wing tank quantity indicators operate normally, and c) Both fuel used indicators operate normally.
		C	1	0	May be inoperative provided the tank remains empty.
		C	1	0	May be inoperative provided fuel is considered unusable and is included in computing ZFW and CG calculations.
(Continued)					

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-40-06	ECAM FUEL PAGE Indications (Cont'd)					
2)	A321 (Cont'd)					
h)	Fuel Quantity Center Tank (Cont'd)					
ii)	A321 with ACT(s)	C	1	0	(M)(O) May be inoperative provided: a) Fuel quantity in center tank is verified after each refueling, b) All wing tank and ACT quantity indicators are operative, c) Both fuel used indicators operate normally, and d) Forward transfer from ACT(s) to center tank is monitored during flight.	
		C	1	0	May be inoperative provided: a) Center tank remains empty or fuel is considered unusable and is included in ZFW and CG calculations, and b) There is no fuel in any ACT.	
(Continued)						

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-40-06	ECAM FUEL PAGE Indications (Cont'd)					
2)	A321 (Cont'd)					
h)	Fuel Quantity Center Tank (Cont'd)					
ii)	A321 with ACT(s) (Cont'd)	C	1	0	(M)(O) May be inoperative provided: a) Center tank remains empty or fuel is considered unusable and is included in ZFW and CG calculations, b) Fuel in any ACT is considered unusable and included in ZFW and CG calculations, and c) The ACT transfer valve is secured closed.  NOTE: This failure will result in inhibition or erroneous triggering of the ECAM caution FUEL ACT XFR FAULT while automatic transfer is still operative.	
iii)	A321 with ACT(s) and with Mod. 163213/MP J4530	C	1	0	(M)(O) May be inoperative provided: a) Fuel quantity in center tank is verified after each refueling, b) All wing tank and ACT quantity indicators are operative, and c) Both fuel used indicators operate normally.	
		C	1	0	May be inoperative provided: a) Center tank remains empty or fuel is considered unusable and is included in ZFW and CG calculations, and b) There is no fuel in any ACT.	
(Continued)						



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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-40-06	ECAM FUEL PAGE Indications (Cont'd)					
2)	A321 (Cont'd)					
i)	Fuel Quantity Additional Center Tank(s)					
i)	A321 With ACT(s)	C	-	-	(M)(O) One may be inoperative provided:	
					a) All wing tanks, center tank, and other ACT fuel quantity indicators are operative,	
					b) Both fuel used indicators operate normally,	
					c) Forward transfer from ACT(s) to center tank is monitored during flight, and	
					d) Tank is serviced with a known quantity.	
		C	-	0	(M) May be inoperative provided ACT(s) is verified empty after each refueling.	
					NOTE: This failure will result in inhibition or erroneous display of the ECAM caution FUEL ACT XFR FAULT.	
ii)	A321 with Mod. 163213/MP J4530 and without Mod. 162739/MP J4335	C	-	-	(O) One may be inoperative provided:	
					a) All wing tanks, center tank, and other ACT fuel quantity indicators are operative,	
					b) Both fuel used indicators operate normally, and	
					c) The affected ACT(s) and previous ACT(s) in fuel feed sequence FWD – AFT 2 – AFT 1 are empty.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-40-06	ECAM FUEL PAGE Indications (Cont'd)					
2)	A321 (Cont'd)					
i)	Fuel Quantity Additional Center Tank(s) (Cont'd)					
iii)	A321 with Mod. 163213/MP J4530 and with Mod. 162739/MP J4335	C	-	-	(O) One may be inoperative provided:	
					a) All wing tanks, center tank, and other ACT fuel quantity indicators are operative,	
					b) Both fuel used indicators operate normally, and	
					c) The affected ACT(s) and previous ACT(s) in fuel feed sequence AFT 2 – FWD – AFT 1 are empty.	
j)	ACT to CTR Tank Transfer Indication (Arrow) Additional Center Tank					
i)	A321 with ACT(s)	C	1	0	May be inoperative provided ACT(s) and center tank fuel quantity indications on ECAM FUEL page are operative.	
(Continued)						

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-40-06	ECAM FUEL PAGE Indications (Cont'd)					
2)	A321 (Cont'd)					
k)	Engine LP Valve Indication	C	2	0	(M) May be inoperative provided associated LP valve(s) is checked operative before each flight.	
l) ***	FUEL USED 1+2 with Mod 30368/MP P6578	C	1	0	May be inoperative.	
m)	FUEL USED	C	2	0	May be inoperative provided associated fuel used indication on ENG SD page is considered inoperative.	
n) ***	FUEL FLOW 1+2 with MP P7092	C	1	0	May be inoperative.	
28-40-07	Manual Magnetic Indicators	C	-	0	One or more may be inoperative provided fuel quantity is determined by acceptable means.	
28-40-08 ***	Fuel Quantity Attitude Monitor	D	1	0	May be inoperative provided fueling and defueling procedures do not require its use.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-40-09	Cautions on ECAM					
1)	TK HI TEMP (Left, Right, Inner, Outer Wing Tank)					
a)	A318/319/A320	C	4	2	(O) One in each wing or both in one wing may be inoperative provided fuel temperature indications on the ECAM FUEL system page are available for the non-affected tank(s) and fuel temperature is monitored prior to takeoff and during the flight.  NOTE: For fuel temperature limitations, refer to AFM.	
		C	4	0	(O) May be inoperative provided fuel temperature indications on the ECAM FUEL system page are available and fuel temperature is monitored prior to takeoff and during flight.  NOTE: For fuel temperature limitations, refer to AFM.	
2)	TK HI TEMP (Left, Right Wing Tank)					
a)	A321	C	2	1	(O) One may be inoperative provided fuel temperature indications on the ECAM FUEL system page are available for the non-affected tank and fuel temperature is monitored prior to takeoff and during the flight.  NOTE: For fuel temperature limitations, refer to AFM.	
(Continued)						

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-40-09	Cautions on ECAM (Cont'd)					
2)	TK HI TEMP (Left, Right Wing Tank) (Cont'd)					
a)	A321 (Cont'd)	C	2	0	(O) May be inoperative provided fuel temperature indications on the ECAM FUEL system page are available and fuel temperature is monitored prior to takeoff and during flight.  NOTE: For fuel temperature limitations, refer to AFM.	
3)	TK LO TEMP (Left, Right, Inner, Outer) (Wing Tank)					
a)	A318/A319/A320	C	4	2	(O) One in each wing or both in one wing may be inoperative provided fuel temperature indications on the ECAM FUEL system page are available for the non-affected tanks and fuel temperature is monitored prior to takeoff and during the flight.  NOTE: For fuel temperature indications, refer to AFM.	
		C	4	0	(O) May be inoperative provided fuel temperature indications on the ECAM FUEL system page are available and fuel temperature is monitored prior to takeoff and during flight.  NOTE: For fuel temperature indications, refer to AFM.	
(Continued)						

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-40-09	Cautions on ECAM (Cont'd)					
4)	TK LO TEMP (Left, Right, Wing Tank)					
a)	A321	C	2	1	(O) One may be inoperative provided fuel temperature indications on the ECAM FUEL system page are available for the non-affected tank and fuel temperature is monitored prior to takeoff and during the flight.  NOTE: For fuel temperature indications, refer to AFM.	
		C	2	0	(O) May be inoperative provided fuel temperature indications on the ECAM FUEL system page are available and fuel temperature is monitored prior to takeoff and during the flight.  NOTE: For fuel temperature indications, refer to AFM.	
5)	ACT XFR FAULT Additional Center Tank(s)	C	1	0	(O) May be inoperative provided transfer from ACT(s) to center tank is monitored during flight if ACT(s) is fueled.	
6)	ACT PUMP LO PR (A319/A320/A321 with ACT(s))	C	1	0	May be inoperative.	   
7)	FWD ACT ISOLATED (A321 with Mod. 163213/MP J4530)	C	1	0	May be inoperative provided there is no fuel in any ACT and in the center tank.	
8)	ACT SYSTEM FAULT (A321 with Mod. 163213/MP J4530)	C	1	0	May be inoperative provided there is no fuel in any ACT.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**28. Fuel**

Sequence No.	Item	1	2	3	4	Change Bar
28-40-10	Indication on ECAM E/WD					
1)	Fuel on Board (FOB)	C	1	0	May be inoperative provided: a) Associated indication is available on the MCDU, and b) Fuel Used indications operate normally.	
28-40-11	Auxiliary Fuel Management Computer System Channels (A321 with Mod. 163213/MP J4530)	A	2	1	Except for ETOPS, one may be inoperative provided: a) Repairs are made within 2 flight-days, and b) There is no fuel in any ACT.	

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**29. Hydraulic Power**

Sequence No.	Item	1	2	3	4	Change Bar
29-00	CLASS II MAINTENANCE MESSAGES DISPLAYED ON ECAM STATUS PAGE OF ECAM SYSTEM DISPLAY					
1)	Pre Mod. 23119 Fault(s) Indicated by BLUE RSVR	-	-	-	Dispatch not permitted with this MAINT. STATUS message displayed on ECAM.	
29-10-01	Engine Driven Pump Depressurization Function					
1)	A318, A319ceo, A320ceo, A321ceo	C	2	1	One may be inoperative.	
2)	A319neo, A320neo, A321neo	C	2	1	(M) One may be inoperative provided: a) Remaining EDP depressurization function is checked operative, b) APU is operative, and c) Start valve of associated side is operative.	
29-10-02	Blue System Electric Pump					
1)	Automatic Control	C	1	0	(O) May be inoperative provided: a) Pump can be manually operated, and b) Indications of blue hydraulic system are verified normal.	



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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 29. Hydraulic Power

Sequence No.	Item	1	2	3	4	Change Bar
29-10-03	Hydraulic System Accumulators					
1)	Pre Mod. 21414	C	3	1	(M) One or two may be inoperative provided: a) Blue hydraulic generation accumulator is operative, and b) The affected accumulator is deactivated.	
2)	Post Mod. 21414	C	3	0	(M) May be inoperative provided the affected accumulator is deactivated.	
29-10-07	Filters					
1)	System Filters	C	8	7	One LP or one reservoir filling filter may be inoperative.	
2)	Case Drain Filters	C	3	2	(M) One may be inoperative provided it is removed.	
29-10-10	Hydraulic Reservoir Drain Valve	C	3	0	(M) May be inoperative provided associated reservoir drain circuit is secured with a cap.	   
29-20-01	Hydraulic Reservoir Quantity Indicator (Green Servicing Panel)	C	1	0	(M) May be inoperative provided hydraulic fluid quantity is monitored during servicing of the hydraulic reservoir using the visual quantity gauge.	
29-20-02	Hydraulic Reservoir Four Way Selector Valve on Ground Service Panel	C	1	0	(M) May be inoperative provided associated system is serviced using the HP ground connection.	

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**TABLE KEY**

1. REPAIR CATEGORY
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4. REMARKS OR EXCEPTIONS

**29. Hydraulic Power**

Sequence No.	Item	1	2	3	4	Change Bar
29-23-01	Power Transfer Unit					
1)	Automatic Activation Function	B	1	0	(O) May be inoperative (PTU runs continuously) provided: <ol style="list-style-type: none"> <li>a) System pressure indication on ECAM operates normally,</li> <li>b) Power transfer can be stopped when PTU pb-sw is placed OFF, and</li> <li>c) Operation of the PTU in both directions is verified before first flight of each day.</li> </ol>	
29-25-01	Yellow System Electric Pump	C	1	0	(M) May be inoperative provided associated pb-sw is selected off.  NOTE: The AFT and FWD cargo doors must be operated manually.	
29-30-01	Pump pb Switch					
1)	FAULT Lights	C	4	0	May be inoperative provided the associated reservoir quantity indication operates normally.  NOTE: Illumination of two lights (one from the Blue ELEC PUMP pb and one from ENG 1(2) PUMP pb), with engines off, may be due to a failed engine oil low pressure switch. In this case, the ENG OIL LO PRESS warning is inoperative.	
2)	OFF Light	C	3	0	One or more may be inoperative.	
3)	ON Light	C	1	0	May be inoperative.	

## 29. Hydraulic Power

Sequence No.	Item	1	2	3	4	Change Bar
29-30-02	PTU pb Switch					
1)	FAULT Light	C	1	0	May be inoperative provided yellow and green reservoir quantity indicators operate normally.	
2)	OFF Light	C	1	0	May be inoperative.	
29-30-03	ECAM HYD Page Indications					
1)	Reservoir Quantity	C	3	2	(M) One may be inoperative provided: a) The associated reservoir quantity is verified adequate before each departure, and b) Associated RSVR LO LVL caution on ECAM operates normally.	
2)	Fire Valve	C	2	0	One or both may be inoperative.	
3)	Yellow Elec Pump	C	1	0	May be inoperative.	
4)	PTU	C	1	0	May be inoperative.	
5)	System Label	C	3	0	(O) May be inoperative provided: a) Associated system pressure is verified before each departure, and b) Associated spoilers availability is verified before each departure.	
					(Continued)	

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**29. Hydraulic Power**

Sequence No.	Item	1	2	3	4	Change Bar
29-30-03	ECAM HYD Page Indications (Cont'd)					
6)	System Pressure					
a)	Aircraft without Mod. 31056/MP P7004 (DMC V50), or with Mod. 34571/MP P8671 (EIS 2 S4-2)	C	3	2	(O) One may be inoperative provided associated System Label indication operates normally.	
b)	Aircraft with Mod. 31056/MP P7004 (DMC V50) and without Mod. 34571/MP P8671 (EIS 2 S4-2)	C	3	2	(M)(O) One may be inoperative provided: a) Associated System Label indication operates normally, and b) Affected pressure transmitter is deactivated.	
7)	Pumps	C	3	0	One or more may be inoperative.	
8)	RAT	C	1	0	(O) May be inoperative provided RAT is verified stowed before each departure.	
9)	(G/B/Y) HYD SYS Label Vertical Line Links	C	12	0	May be erroneous or missing.	 

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AIRCRAFT:  
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1. REPAIR CATEGORY
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**29. Hydraulic Power**

Sequence No.	Item	1	2	3	4	Change Bar
29-30-04	ECAM Warnings and Cautions					
1)	RSVR LO AIR PR					
a)	A320 Pre Mod. 23119, A320 Post Mod. 23119 and 27189, and A318/A319/A321	C	3	2	(M) One may be inoperative provided air pressure is verified on the reservoir before each departure.	
b)	A320 Post Mod. 23119 and Pre Mod. 27189	C	3	2	(M) One may be inoperative for green or yellow system provided air pressure is verified on the reservoir before each departure.	
2)	RSVR OVHT	C	3	2	Either green or yellow RSVR OVHT may be inoperative.	
3)	ELEC PUMP OVHT	C	2	0	One or both may be inoperative.	
4)	PUMP LO PR					
a)	ELEC PUMP LO PR	C	2	0	(O) May be inoperative provided: a) Associated system pressure indication operates normally, and b) Operation of electric pumps is checked before each departure.	
b)	ENG PUMP LO PR	C	2	0	(O) May be inoperative provided: a) Associated system pressure indication operates normally, and b) Operation of engine pumps is checked before each departure.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**29. Hydraulic Power**

Sequence No.	Item	1	2	3	4	Change Bar
29-30-04	ECAM Warnings and Cautions (Cont'd)					
5)	RSVR LO LVL	C	3	2	(M) One may be inoperative provided: a) Associated reservoir quantity indication operates normally, and b) Quantity is verified adequate before each departure.  NOTE: If blue reservoir is affected, EMER GEN may appear on ECAM STATUS INOP SYS before engines are running.	
6)	PTU FAULT	C	1	0	(O) May be inoperative provided the PTU is verified to operate normally before each departure.	
7)	RAT FAULT	C	1	0	(M) May be inoperative provided RAT integrity is not affected.	
29-30-05	LEAK MEASUREMENT VALVE pb Switches					
1)	OFF Lights	C	3	0	One or more may be inoperative.	

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
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**30. Ice and Rain Protection**

Sequence No.	Item	1	2	3	4	Change Bar
30-00	CLASS II MAINTENANCE MESSAGES DISPLAYED ON ECAM STATUS PAGE OF ECAM SYSTEM DISPLAY					
1) ***	Fault(s) Indicated by ICE DETECT	C	-	-	NOTE: Dispatch with this MAINT STS message displayed on ECAM is permitted without CFDS interrogation.	
2)	Fault(s) Indicated by ENG 1(2) A.ICE (A319neo/A320neo/ A321neo)	C	-	-	NOTE: Dispatch with this MAINT STS message displayed on ECAM is permitted without CFDS interrogation.	
30-11-01	Wing Anti-Ice Control Valves					
1)	A318/A319ceo/A320ceo/ A321ceo/A320neo/ A321neo	C	2	1	(M)(O) RH valve may be inoperative provided: a) It is secured in open position, b) Engine No. 1 is started first, c) X BLEED selector is shut when starting the NO. 1 engine, d) "CROSS BLEED START" procedure is used when starting the NO. 2 engine, e) Alternate procedures are established and used, and f) AFM performance penalties are applied.	
		C	2	0	(M) Except for ETOPS beyond 120 minutes, may be inoperative provided: a) Affected valves are secured in closed position, and b) Aircraft is not operated in known or forecast icing conditions.	
(Continued)						

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AIRCRAFT:  
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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**30. Ice and Rain Protection**

Sequence No.	Item	1	2	3	4	Change Bar
30-11-01	Wing Anti-Ice Control Valves (Cont'd)					
2)	A319neo	C	2	1	(M)(O) RH valve may be inoperative provided: a) It is secured in open position, b) Engine No. 1 is started first, c) X BLEED selector is shut when starting the NO. 1 engine, d) "CROSS BLEED START" procedure is used when starting NO. 2 engine, e) Alternate procedures are established and used, and f) AFM performance penalties are applied, and g) F/CTL ALTN LAW caution is not present on ECAM EWD after deactivation.	
		C	2	0	(M)(O) Except for ETOPS beyond 120 minutes, may be inoperative provided: a) Affected valves are secured in closed position, b) Aircraft is not operated in known or forecast icing conditions, and c) F/CTL ALTN LAW caution is not present on ECAM EWD after deactivation.	



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**TABLE KEY**

1. REPAIR CATEGORY
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**30. Ice and Rain Protection**

Sequence No.	Item	1	2	3	4	Change Bar
30-11-02	Wing Anti-Ice					
1)	FAULT Light	C	1	0	(O) May be inoperative provided the anti-ice "arrow" on ECAM BLEED page operates normally.	
		C	1	0	(M) Except for ETOPS beyond 120 minutes, may be inoperative provided: a) Wing anti-ice control valves are deactivated closed and considered inoperative, and b) Airplane is not operated in known or forecast icing conditions.	
2)	ON Light	C	1	0	May be inoperative.	
30-11-03	ECAM BLEED Page Indications					
1)	ANTI-ICE	C	2	0	One or both may be inoperative.	
2)	ARROW	C	2	0	One or both may be inoperative.	
30-21-01	Engine Anti-Ice Valves					
	(A318/A319ceo/ A320ceo/A321ceo)	C	2	1	(M) Except for ETOPS beyond 120 minutes, one may be inoperative secured closed provided airplane is not operated in known or forecast icing conditions.	
	(A318/A319ceo/ A320ceo/A321ceo with CFM or PW6000 engines)	C	2	0	(M)(O) May be inoperative open provided AFM performance penalties are applied.	
	(A319ceo/A320ceo/ A321ceo with IAE engines)	C	2	0	(M)(O) May be inoperative open provided: a) AFM performance penalties are applied, and b) OAT is below ISA+35 °C.	
(Continued)						

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AIRCRAFT: Airbus A320	<b>TABLE KEY</b> 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
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**30. Ice and Rain Protection**

Sequence No.	Item	1	2	3	4	Change Bar
30-21-01	Engine Anti-Ice Valves (Cont'd)					
	(A319neo/A320neo/A321neo)	C	4	2	(O) Except for ETOPS beyond 120 minutes, one or two NAI valves on the same engine may be inoperative in closed position provided aircraft is not operated in known or forecast icing conditions.	
	(A319neo/A320neo/A321neo)	C	4	2	(M) One NAI valve per engine may be inoperative provided it is deactivated in open position.	
	(A319neo/A320neo/A321neo with CFM LEAP1-A Engines)	C	4	2	(M)(O) Except for ETOPS beyond 120 minutes, two may be inoperative on the same engine provided: a) Affected NAI valves are deactivated in closed position, and b) Aircraft is not operated in known or forecast icing conditions.	
30-21-02	Engine Anti-Ice					
1)	FAULT Lights	C	2	0	May be inoperative.	
2)	ON Lights	C	2	0	(O) May be inoperative provided alternate procedures are established and used.	

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**TABLE KEY**

1. REPAIR CATEGORY
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4. REMARKS OR EXCEPTIONS

**30. Ice and Rain Protection**

Sequence No.	Item	1	2	3	4	Change Bar
30-21-03	ANTI-ICE ENG 1(2) CTL FAULT Cautions on ECAM E/WD (A319neo/A320neo/ A321neo)	C	2	0	(O) May be inoperative provided: a) Associated ENG 1(2) A.ICE VALVE OPEN is displayed on the EWD, and b) AFM performance penalties are applied.	
		C	2	1	Except for ETOPS beyond 120 minutes, one may be inoperative provided: a) Associated ENG 1(2) A.ICE MON FAULT is displayed on the EWD, and b) Aircraft is not operated in known or forecast icing conditions.	
30-31-01	Probe Heat Computers	C	3	2	(M)(O) One may be inoperative provided associated heater is verified to operate normally prior to each flight.	
		C	3	2	(M)(O) F/O's may be inoperative provided: a) ADRs, heaters, and failure warnings associated with the operative units are verified to operate normally, and b) Takeoff in CONFIG 1+F is prohibited (in icing conditions) with ADR 2-OFF.	
		C	3	2	(M)(O) Except for ETOPS beyond 120 minutes, STBY may be inoperative provided: a) ADRs, heaters, and failure warnings associated with operative units are verified to operate normally, b) Airplane is not operated in visible moisture or known or forecast icing conditions, and c) Ambient temperature at the departure airport is above 5 °C when taxiways or runways are covered with water or slush.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**30. Ice and Rain Protection**

Sequence No.	Item	1	2	3	4	Change Bar
30-31-02	Pitot Heaters	B	3	2	(M)(O) F/O's may be inoperative provided: a) ADR, heaters, and failure warnings associated with CAPT and STBY probes (pitot static, AOA, TAT) are verified to operate normally, and b) Takeoff in CONF 1+F is prohibited (in icing conditions) with ADR 2-OFF.	
		B	3	2	(M) Except for ETOPS beyond 120 minutes, CAPT heater may be inoperative provided: a) ADR, heaters, and failure warnings associated with F/O and STBY probes (pitot, static, AOA, TAT) are verified to operate normally, and b) Airplane is not operated in visible moisture or in known or forecast icing conditions.	
		B	3	2	(M) Except for ETOPS beyond 120 minutes, STBY heater may be inoperative provided: a) ADR, heaters, and failure warnings associated with CAPT and F/O probes (pitot, static, AOA, TAT) are verified to operate normally, and b) Airplane is not operated in visible moisture or in known or forecast icing conditions.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**30. Ice and Rain Protection**

Sequence No.	Item	1	2	3	4	Change Bar
30-31-03	Static Port Heaters	C	6	5	One STBY heater may be inoperative.	
		C	6	4	(M)(O) CAPT heaters may be inoperative provided: <ul style="list-style-type: none"> <li>a) ADR, heaters, and failure warnings associated with the operative units are verified to operate normally, and</li> <li>b) Ambient temperature at the departure airport is greater than 5 °C when runway is contaminated with water or slush.</li> </ul>	
		C	6	4	(M)(O) F/O's heaters may be inoperative provided: <ul style="list-style-type: none"> <li>a) ADR, heaters, and failure warnings associated with the operative units are verified to operate normally, and</li> <li>b) Takeoff in CONF 1+F is prohibited (in icing conditions) with ADR 2-OFF.</li> </ul>	
		C	6	4	(M) Except for ETOPS beyond 120 minutes, STBY heaters may be inoperative provided: <ul style="list-style-type: none"> <li>a) ADR, heaters, and failure warnings associated with operative units are verified to operate normally, and</li> <li>b) Ambient temperature at the departure airport is greater than 5 °C when runway is contaminated with water or slush.</li> </ul>	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**30. Ice and Rain Protection**

Sequence No.	Item	1	2	3	4	Change Bar
30-31-04	Angle of Attack Probe Heaters	C	3	2	(M)(O) F/O's heater may be inoperative provided ADR, heaters, and failure warnings associated with CAPT and STBY probes (pitot, static, AOA, TAT) are verified to operate normally once each flight-day.	
		C	3	2	(M)(O) STBY heater may be inoperative provided ADR, heaters, and failure warnings associated with CAPT and F/O probes (pitot, static, AOA, TAT) are verified to operate normally once each flight-day.	
		C	3	2	(M)(O) Except for ETOPS beyond 120 minutes, CAPT's heater may be inoperative provided: <ol style="list-style-type: none"> <li>a) ADR, heaters, and failure warnings associated with F/O and STBY probes (pitot, static, AOA, TAT) are verified to operate normally once each flight-day, and</li> <li>b) Airplane is not operated in visible moisture or in known or forecast icing conditions.</li> </ol>	

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**30. Ice and Rain Protection**

Sequence No.	Item	1	2	3	4	Change Bar
30-31-05	TAT Probe Heaters	C	2	1	One may be inoperative.	
		C	2	0	Except for ETOPS beyond 120 minutes, may be inoperative provided airplane is not operated in visible moisture or in known or forecast icing conditions.	
30-42-01	Window Heat Computers	C	2	1	(M) Except for ETOPS beyond 120 minutes, one may be inoperative provided: <ol style="list-style-type: none"> <li>a) All heaters and failure warnings on the front and sliding windows associated with operative systems are verified to operate normally,</li> <li>b) Airplane is not operated in known or forecast icing conditions, and</li> <li>c) Approach minimums do not require its use.</li> </ol>	
30-42-02	Fixed Lateral Window and Sliding Window Heating Systems	C	4	0	One or more may be inoperative.	
30-42-03	Windshield Heating Systems	C	2	1	Except for ETOPS beyond 120 minutes, one may be inoperative provided: <ol style="list-style-type: none"> <li>a) Airplane is not operated in known or forecast icing conditions, and</li> <li>b) Approach minimums do not require its use.</li> </ol>	
1)	For aircraft equipped with SGS Windshield: If ISB applied (ref. 56-1022 or 56-1023) with findings-Degradation out of allowance	C	2	1	One may be degraded beyond the passed criteria of ISB (ref. 56-1022 for CEO or 56-1023 for NEO) provided airplane remains at or below FL 230.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**30. Ice and Rain Protection**

Sequence No.	Item	1	2	3	4	Change Bar
30-42-04	Probes/Window Heat pb-sw					
1)	AUTO Control	C	1	0	May be inoperative provided PROBES/WINDOW HEAT system is manually selected.	
2)	ON Light	C	1	0	May be inoperative provided the PROBES/WINDOW HEAT automatic system is operative.	
30-45-01	Windshield Wiper Systems	C	2	0	(O) May be inoperative provided: <ol style="list-style-type: none"> <li>a) Airplane is not operated in precipitation within 5 SM of the airport of takeoff or intended landing, and</li> <li>b) Approach minimums do not require its use.</li> </ol>	
		C	2	0	(M)(O) May be inoperative continuously running provided: <ol style="list-style-type: none"> <li>a) Airplane is not operated in precipitation within 5 SM of the airport of takeoff or intended landing,</li> <li>b) Approach minimums do not require its use, and</li> <li>c) Affected wiper is deactivated.</li> </ol>	
		B	2	1	One may be inoperative provided associated rain repellent system is installed and operative.	
1)	Fast Speed	C	2	0	May be inoperative provided slow speed operates normally and approach minimums do not require its use.	
2)	Slow Speed	C	2	0	May be inoperative provided fast speed operates normally.	
3) ***	Intermittent Speed (Aircraft with Mod. 20319)	D	2	0	One or both may be inoperative.	
(Continued)						



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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**30. Ice and Rain Protection**

Sequence No.	Item	1	2	3	4	Change Bar
30-45-01	Windshield Wiper Systems (Cont'd)					
4)	PARK Function	C	2	0	May be inoperative provided affected wiper can be located in a position that will not obstruct forward vision.	
		C	2	0	(M) May be inoperative provided affected wiper is removed and considered inoperative.	
30-45-02 ***	Rain Repellant Systems	D	2	0	One or both may be inoperative.	
30-71-01	Waste Water Drain Mast Heating System	C	-	0	(M)(O) May be inoperative provided: <ul style="list-style-type: none"> <li>a) Associated lavatory and galley water supplies are secured off,</li> <li>b) Associated galley sink and lavatory washbasin drains are blocked to prevent their use, and</li> <li>c) Procedures are established to periodically monitor associated galley sinks and lavatory washbasins to ensure they remain blocked.</li> </ul>	
		C	-	0	(M) May be inoperative provided: <ul style="list-style-type: none"> <li>a) Associated galley and lavatory are not used,</li> <li>b) The pilot in command will determine if flight duration is acceptable with a FWD lavatory unusable, and</li> <li>c) Associated lavatory door(s) is secured closed and placarded "INOPERATIVE – DO NOT ENTER".</li> </ul>	
					NOTE: These provisions are not intended to prohibit inspections by crewmembers.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**30. Ice and Rain Protection**

Sequence No.	Item	1	2	3	4	Change Bar
30-71-02 ***	Waste Water Drain Line Protection System	D	1	0	May be inoperative.	
30-71-03 ***	Cargo Compartment Drain Line and Drain Mast Ice Protection System	D	1	0	May be inoperative.	
30-81-02 ***	Ice Detection System	D	1	0	May be inoperative.	
30-81-03 ***	External Visual Ice Indicator Lighting	D	1	0	May be inoperative.	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**31. Indicating/Recording Systems**

Sequence No.	Item	1	2	3	4	Change Bar
31-00	CLASS II MAINTENANCE MESSAGES DISPLAYED ON ECAM STATUS PAGE OF ECAM SYSTEM DISPLAY					
1) ***	Fault(s) Indicated by QAR	D	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
2) ***	Fault(s) Indicated by DMU	D	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
3) ***	Fault(s) Indicated by DAR	D	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
4)	Faults Indicated by CFDIU	C	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
5) ***	Faults Indicated by ACMS	D	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
(Continued)						

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AIRCRAFT:  
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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**31. Indicating/Recording Systems**

Sequence No.	Item	1	2	3	4	Change Bar
31-00	CLASS II MAINTENANCE MESSAGES DISPLAYED ON ECAM STATUS PAGE OF ECAM SYSTEM DISPLAY (Cont'd)					
6) ***	Faults Indicated by DMC 1/3					
a)	With Mod. 31283/ MP P7125	C	-	-	May be displayed provided DMC 2/3 MAINTENANCE message is not displayed simultaneously on ECAM STATUS page.  NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
b)	With Mod. 151269/ MP P11819	C	-	-	May be displayed on ECAM STATUS page.  NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
7) ***	Faults Indicated by DMC 2/3 (With Mod. 31283/ MP P7125 or with Mod. 151269/ MP P11819)	C	-	-	May be displayed on ECAM STATUS page.  NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
(Continued)						

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

Sequence No.	Item	1	2	3	4	Change Bar
31-00	CLASS II MAINTENANCE MESSAGES DISPLAYED ON ECAM STATUS PAGE OF ECAM SYSTEM DISPLAY (Cont'd)					
8) ***	Faults Indicated by DFDR ACCEL (With Mod. 161365/ MP P14629)	-	-	-	Refer to item 31-30-02 1) FDR Recording Parameters Required by 14 CFR.  NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
9) ***	Fault(s) Indicated by CVDR2 (With Mod. 165565/ MP K30988 (CVDR) and with Mod. 166490/ MP P21265 (FWC H2-F13 Standard))	C	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**31. Indicating/Recording Systems**

Sequence No.	Item	1	2	3	4	Change Bar
31-21-01	Clock System	C	1	0	(O) May be inoperative provided: a) Time base from CFDIU is available on ECAM, and b) Chrono indication is available on one Navigation Display (ND).  NOTE: For aircraft equipped with P/N APE5100-1 (Mod. 27330/MP P5465), during the entire month of February, intermittent erroneous indications (wrong, over-range or missing digits) of the elapsed time and chronometer functions may occur if the clock is in GPS mode. In that case, the flightcrew must set the clock selector to internal (INT) mode in order to recover the elapsed time and chronometer functions. The clock is considered operative. When the clock is in INT mode, the flightcrew must synchronize the clock with the GPS at least one time per day to comply with the time precision required for ATC data link communication. Refer to FCOM DSC-31-55-20 Operation in Internal Mode.	
31-27-01 ***	Flight Number Reminder	D	1	0	May be inoperative.	
31-30-01	Centralized Fault Display System (CFDS)	C	1	0	May be inoperative provided CFDS system is available when required for specified maintenance tasks.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 31. Indicating/Recording Systems

Sequence No.	Item	1	2	3	4	Change Bar
31-30-02	Flight Data Recorder (FDR) System	C	-	1	Any in excess of those required by 14 CFR may be inoperative.	
	Includes FDR Function of Combined Voice and Flight Data Recorder (CVFDR)	A	-	0	May be inoperative provided: <ol style="list-style-type: none"> <li>a) Cockpit voice Recorder (CVR) operates normally,</li> <li>b) Airplane is not dispatched from a designated airport as listed in the operator's MEL unless: <ol style="list-style-type: none"> <li>1) The FDR failure occurs after pushback but prior to takeoff, or</li> <li>2) The FDR repair was attempted but was not successful.</li> </ol> </li> <li>c) In those cases where repair is attempted but not successful, the aircraft may be dispatched on a flight or series of flights until the next designated airport where repair must be accomplished prior to dispatch, and</li> <li>d) Repairs are made within 3 flight-days.</li> </ol>	
1)	FDR Recording Parameters Required by 14 CFR	A	-	-	Up to three parameters may be inoperative provided: <ol style="list-style-type: none"> <li>a) Cockpit voice recorder (CVR) operates normally, and</li> <li>b) Repairs are made within 20 consecutive calendar-days.</li> </ol>	
2)	FDR Recording Parameters Not Required by 14 CFR	A	-	-	May be inoperative provided repairs are made prior to completion of next heavy maintenance visit.	

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**31. Indicating/Recording Systems**

Sequence No.	Item	1	2	3	4	Change Bar
31-30-03	Flight Data Interface Unit (FDIU) or Flight Data Interface Function of the Flight Data Interface and Management Unit (FDIMU) (Including Aircraft with STC ST02668LA)	A	-	0	May be inoperative provided: <ul style="list-style-type: none"> <li>a) Cockpit voice Recorder (CVR) operates normally,</li> <li>b) Airplane is not dispatched from a designated airport as listed in the operator's MEL unless: <ul style="list-style-type: none"> <li>1) The FDR failure occurs after pushback but prior to takeoff, or</li> <li>2) The FDR repair was attempted but was not successful.</li> </ul> </li> <li>c) In those cases where repair is attempted but not successful, the aircraft may be dispatched on a flight or series of flights until the next designated airport where repair must be accomplished prior to dispatch, and</li> <li>d) Repairs are made within 3 flight-days.</li> </ul>	
31-30-04 ***	Quick Access Recorder	D	1	0	May be inoperative.	
31-30-05 ***	Digital AIDS Recorder System	D	1	0	May be inoperative.	
31-30-06 ***	Data Management Unit (DMU) or Data Management Function of the FDIMU	D	1	0	May be inoperative.	
31-30-07 ***	Printer	D	1	0	May be inoperative.	



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**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**31. Indicating/Recording Systems**

Sequence No.	Item	1	2	3	4	Change Bar
31-38-01 ***	Up and Down Data Loading System Acquisition/Interface					
1)	DATA LOADING SELECTOR	D	1	0	May be inoperative.	
2)	Multipurpose Disk Drive Unit (MDDU)	D	1	0	May be inoperative.	
3)	Data Loading Routing Box (DLRB)	D	1	0	May be inoperative.	
31-53-01	Flight Warning Computers (FWC)					
1)	Without Mod. 35542	B	2	1	FWC 2 may be inoperative provided approach minimums do not require its use.	
2)	With Mod. 35542	B	2	1	FWC 2 may be inoperative provided: a) Steep approach function is not used, and b) Approach minimums do not require its use.	
31-55-01	System Data Acquisition Concentrator Units (SDAC)	C	2	1	SDAC 2 may be inoperative.	
31-56-01	ECAM Control Panel					
1)	System Page MANUAL CALL pb	C	11	0	One or more may be inoperative.	
2)	CLR pb	C	2	1	One may be inoperative.	
3)	T/O CONFIG pb	C	1	0	(O) May be inoperative provided T/O configuration is verified before each departure.	
4)	STS pb	C	1	0	(O) May be inoperative.	

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AIRCRAFT:  
Airbus A320**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**31. Indicating/Recording Systems**

Sequence No.	Item	1	2	3	4	Change Bar
31-58-01	Master Warn System					
1)	Lights	C	2	1	One may be inoperative.	
2)	CANCEL Functions	C	2	1	One may be inoperative.	
31-58-02	Master Caution System					
1)	Lights	C	2	1	One may be inoperative.	
2)	CANCEL Functions	C	2	1	One may be inoperative.	
31-61-01	EIS Switching Systems					
1)	ATT HDG	C	1	0	(M) May be inoperative provided: a) NORM Mode operates normally, and b) Switch remains in the normal position.	
2)	AIR DATA	C	1	0	(M) May be inoperative provided: a) NORM Mode operates normally, and b) Switch remains in the normal position.	
3)	EIS DMC	C	1	0	(M) May be inoperative provided: a) NORM Mode operates normally, and b) Switch remains in the normal position.	
4)	ECAM/ND XFR	C	1	0	May be inoperative provided: a) It operates normally in the Normal position, and b) Both ECAM DUs operate normally.	
5)	PFD/ND XFR	C	2	0	(O) May be inoperative provided: a) PFD and ND units are operative, and b) PFD to ND automatic switching is checked operative on the flying pilot side before each flight.	

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**31. Indicating/Recording Systems**

Sequence No.	Item	1	2	3	4	Change Bar
31-63-01	Display Units (DU)					
1)	PFDU 2	C	1	0	(O) May be inoperative provided: a) PFDU1, NDU1, E/WDU, SDU, and NDU2 are operative, and b) Approach minimums do not require its use.	
2)	NDU 1	C	1	0	(O) May be inoperative provided: a) PFDU1, NDU2, E/WDU, SDU, and PFDU2 are operative, and b) Approach minimums do not require its use.	
3)	NDU 2	C	1	0	(O) May be inoperative provided: a) PFDU1, NDU1, E/WDU, SDU, and PFDU2 are operative, and b) Approach minimums do not require its use.	
4)	SDU					
a)	Without Mod. 36414/ MP K11047 or Mod. 38111/MP K11684	A	1	0	(M)(O) May be inoperative provided: a) PFDU1, NDU1, E/WDU, PFDU2, and NDU2 are operative, b) AC ESS FEED control is verified operative once each day, c) AC ESS FEED FAULT light is verified operative once each day, and d) Repairs are made within 3 flight-days.	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**31. Indicating/Recording Systems**

Sequence No.	Item	1	2	3	4	Change Bar
31-63-01	Display Units (DU) (Cont'd)					
4)	SDU (Cont'd)					
b)	With Mod. 36414/ MP K11047 or Mod. 38111/MP K11684	A	1	0	(M)(O) May be inoperative provided: a) PFDU1, NDU1, E/WDU, PFDU2, and NDU2 are operative, b) AC ESS FEED control is verified operative once each day, c) AC ESS FEED FAULT light is verified operative once each day, d) Repairs are made within 3 flight-days, and e) The CDSS is considered inoperative.	
31-63-02	Display Management Computers					
1)	DMC 1					
a)	Aircraft with Mod. 21678/ MP K1806 (AC/DC ESS PWR for ETOPS) and without Mod. 34571/MP P8671 (EIS2 S4-2), and without Mod. 36725/MP P9824 (EIS2 S7)	C	1	0	May be inoperative provided DMC 2 and DMC 3 are operative.	
b)	Aircraft with Mod. 21678 MP K1806 (AC/DC ESS PWR for ETOPS) and Mod 34571/MP P8671 (EIS2 S4-2), or with Mod. 36725/MP P9824 (EIS2 S7)	C	1	0	(O) May be inoperative provided DMC 2 and DMC 3 are operative.	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**31. Indicating/Recording Systems**

Sequence No.	Item	1	2	3	4	Change Bar
31-63-02	Display Management Computers (Cont'd)					
2)	DMC 2					
a)	Aircraft with Mod. 34571/MP P8671 (EIS2 S4-2), or with Mod. 36725/MP P9824 (EIS 2 S7), or without Mod. 37317/MP P10098 (AC ESS FEED Auto Switching)	C	1	0	(M)(O) May be inoperative provided: a) AC ESS Feed Control is verified operative once each flight-day, b) AC ESS Feed Fault Light is verified operative once each flight-day, and c) DMC 1 and DMC 3 are operative.	
b)	Aircraft without Mod. 34571/MP P8671 (EIS2 S4-2), or without Mod. 36725/MP P9824 (EIS2 S7), or with Mod. 37317MP P10098 (AC ESS FEED Auto Switching)	C	1	0	(M) May be inoperative provided: a) AC ESS Feed Control is verified operative once each flight-day, b) AC ESS Feed Fault Light is verified operative once each flight-day, and c) DMC 1 and DMC 3 are operative.	
3)	DMC 3					
a)	Aircraft without Mod. 34571/MP P8671 (EIS2 S4-2) and without Mod. 36725/MP P9824 (EIS2 S7)	C	1	0	May be inoperative provided DMC 1 and DMC 2 are operative.	
b)	Aircraft with Mod. 34571/MP P8671 (EIS2 S4-2), or Mod. 36725/MP P9824 (EIS2 S7)	C	1	0	(O) May be inoperative provided DMC 1 and DMC 2 are operative.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 31. Indicating/Recording Systems

Sequence No.	Item	1	2	3	4	Change Bar
31-63-03	ECAM Memo Messages	C	-	0	May be inoperative provided affected MEMO message is confirmed to be false or missing.	
31-63-04	ECAM Permanent Data Display	C	-	0	Indications may be inoperative provided TAT or SAT temperature is available.	

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**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**32. Landing Gear**

Sequence No.	Item	1	2	3	4	Change Bar
32-00	CLASS II MAINTENANCE MESSAGE DISPLAYED ON ECAM STATUS PAGE OF ECAM SYSTEM DISPLAY					
32-11-01 ***	Torque Link Dampers	A	2	0	May be inoperative provided repairs are made within 7 flight-legs.	
32-12-01	MAIN GEAR DOORS					
1)	Ground Opening Cables	C	2	0	(M) May be broken or missing.	
32-31-00	Landing Gear Retraction System	B	1	0	(M)(O) Except for ETOPS, may be inoperative provided the airplane is operated with landing gear down in accordance with the AFM supplement for gear down flight.	

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**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**32. Landing Gear**

Sequence No.	Item	1	2	3	4	Change Bar
32-31-01	Landing Gear Control and Interface Unit No. 2 (LGCIU 2)					
1)	A318/A319ceo/A320ceo/A321ceo	A	1	0	(M)(O) LGCIU No. 2 may be inoperative provided: <ul style="list-style-type: none"> <li>a) Both radio altimeter systems operate normally,</li> <li>b) Both FCU channels operate normally,</li> <li>c) All ELACs, SECs, ADIRs, SFCCs, and FACs operate normally,</li> <li>d) Flex takeoff is not used,</li> <li>e) Reverser No. 2 is considered inoperative,</li> <li>f) LGCIU No. 2 is deactivated,</li> <li>g) Alternate procedures are established and used to account for inoperative systems/functions related to the deactivated No. 2 LGCIU, and</li> <li>h) Repairs are made within 1 flight-day.</li> </ul> <p>NOTE: As a result of a deactivated LGCIU 2, multiple systems are affected.</p>	
(Continued)						



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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 32. Landing Gear

Sequence No.	Item	1	2	3	4	Change Bar
32-31-01	Landing Gear Control and Interface Unit No. 2 (LGCIU 2) (Cont'd)					
2)	A319neo/A320neo/A321neo with Mod. 165148/MP J4604 (BSCU P/N E21327307)	A	1	0	<p>(M)(O) LGCIU No. 2 may be inoperative provided:</p> <ol style="list-style-type: none"> <li>a) The BSCU P/N E21327307 is not installed,</li> <li>b) Both radio altimeter systems operate normally,</li> <li>c) Both FCU channels operate normally,</li> <li>d) All ELACs, SECs, ADIRs, SFCCs, and FACs operate normally,</li> <li>e) Flex takeoff is not used,</li> <li>f) Reverser No. 2 is considered inoperative,</li> <li>g) LGCIU No. 2 is deactivated,</li> <li>h) Alternate procedures are established and used to account for inoperative systems/functions related to the deactivated No. 2 LGCIU,</li> <li>i) Repairs are made within 1 flight-day, and</li> <li>j) The OAT is below ISA+35 °C.</li> </ol> <p>NOTE 1: The BSCU standard P/N can be checked by AMM TASK 32-46-00-740-003-A BITE Test of the BSCU - LRU Identification.</p> <p>NOTE 2: As a result of a deactivated LGCIU 2, multiple systems are affected.</p>	
(Continued)						

## 32. Landing Gear

Sequence No.	Item	1	2	3	4	Change Bar
32-31-01	Landing Gear Control and Interface Unit No. 2 (LGCIU 2) (Cont'd)					
3)	A319neo/A320neo/A321neo without Mod. 165148/MP J4604 (BSCU P/N E21327307)	A	1	0	(M)(O) LGCIU No. 2 may be inoperative provided: a) Both radio altimeter systems operate normally, b) Both FCU channels operate normally, c) All ELACs, SECs, ADIRs, SFCCs, and FACs operate normally, d) Flex takeoff is not used, e) Reverser No. 2 is considered inoperative, f) LGCIU No. 2 is deactivated, g) Alternate procedures are established and used to account for inoperative systems/functions related to the deactivated No. 2 LGCIU, h) Repairs are made within 1 flight-day, and i) The OAT is below ISA+35 °C.  NOTE: As a result of a deactivated LGCIU 2, multiple systems are affected.  (Continued)	

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**32. Landing Gear**

Sequence No.	Item	1	2	3	4	Change Bar
32-31-01	Landing Gear Control and Interface Unit No. 2 (LGCIU 2) (Cont'd)					
4)	A321neo with Mod. 163213/MP J4530 and Mod. 165148/MP J4604 (BSCU P/N E21327307)	A	1	0	(M)(O) LGCIU No. 2 may be inoperative provided: a) The BSCU P/N E21327307 is not installed, b) Both radio altimeter systems operate normally, c) Both FCU channels operate normally, d) All ELACs, SECs, ADIRs, SFCCs, and FACs operate normally, e) Flex takeoff is not used, f) Reverser No. 2 is considered inoperative, g) LGCIU No. 2 is deactivated, h) Alternate procedures are established and used to account for inoperative systems/functions related to the deactivated No. 2 LGCIU, i) Repairs are made within 1 flight-day, j) The OAT is below ISA+35 °C, and k) The ACT vent valve is considered inoperative.  NOTE 1: The BSCU standard P/N can be checked by AMM TASK 32-46-00-740-003-A BITE Test of the BSCU - LRU Identification.  NOTE 2: As a result of a deactivated LGCIU 2, multiple systems are affected.	
(Continued)						

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**32. Landing Gear**

Sequence No.	Item	1	2	3	4	Change Bar
32-31-01	Landing Gear Control and Interface Unit No. 2 (LGCIU 2) (Cont'd)					
5)	A321 with Mod. 163213/MP J4530 and without Mod. 165148/MP J4604 (BSCU P/N E21327307)	A	1	0	(M)(O) LGCIU No. 2 may be inoperative provided: a) Both radio altimeter systems operate normally, b) Both FCU channels operate normally, c) All ELACs, SECs, ADIRs, SFCCs, and FACs operate normally, d) Flex takeoff is not used, e) Reverser No. 2 is considered inoperative, f) LGCIU No. 2 is deactivated, g) Alternate procedures are established and used to account for inoperative systems/functions related to the deactivated No. 2 LGCIU, h) Repairs are made within 1 flight-day, i) The OAT is below ISA+35 °C, and j) The ACT vent valve is considered inoperative.  NOTE: As a result of a deactivated LGCIU 2, multiple systems are affected.	
32-33-01	Landing Gear Gravity Extension System	B	1	0	(M)(O) Except for ETOPS, may be inoperative provided the airplane is operated with landing gear down in accordance with the AFM supplement for gear down flight.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 32. Landing Gear

Sequence No.	Item	1	2	3	4	Change Bar
32-41-01	Wheel Tie Bolts	A	-	-	(M) One bolt may be broken or missing provided: <ol style="list-style-type: none"> <li>a) Affected wheel is removed, checked for broken parts or damage, and replaced if broken parts or damage is found,</li> <li>b) For the main wheel, associated brake is checked for broken parts or damage and is replaced or deactivated if broken parts or damage is found,</li> <li>c) After each landing, wheel is inspected for additional broken or missing tie bolts, and</li> <li>d) Repairs are made within 5 flight-legs.</li> </ol>	
32-42-01	Main Wheel Braking Systems	C	4	3	(M)(O) One brake may be inoperative provided: <ol style="list-style-type: none"> <li>a) Minimum runway width is 148 ft. (45 meters),</li> <li>b) Antiskid system operates normally,</li> <li>c) Nose wheel steering operates normally,</li> <li>d) Affected brake is removed or deactivated,</li> <li>e) Both reversers operate normally,</li> <li>f) Green and yellow systems on operative brakes operate normally,</li> <li>g) AFM performance penalties are applied,</li> <li>h) Approach minimums do not require its use, and</li> <li>i) The AUTO/BRK Function is considered inoperative.</li> </ol>	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**32. Landing Gear**

Sequence No.	Item	1	2	3	4	Change Bar
32-42-02	Green Braking System					
1)	Without Mod. 25410	C	1	1	(M)(O) Braking on one wheel may be inoperative provided: <ol style="list-style-type: none"> <li>a) Minimum runway width is 148 ft. (45 meters),</li> <li>b) Green hydraulic supply to affected brake is deactivated,</li> <li>c) Antiskid system operates normally,</li> <li>d) Nose wheel steering operates normally,</li> <li>e) Both reversers operate normally,</li> <li>f) Wheel tachometers are verified to operate normally before each flight, and</li> <li>g) AFM performance penalties are applied.</li> </ol>	
2)	With Mod. 25410	C	1	1	(M)(O) Braking on one wheel may be inoperative provided: <ol style="list-style-type: none"> <li>a) Minimum runway width is 148 ft. (45 meters),</li> <li>b) Green hydraulic supply to affected brake is deactivated,</li> <li>c) Antiskid system operates normally,</li> <li>d) Nose wheel steering operates normally,</li> <li>e) Both reversers operate normally,</li> <li>f) Wheel tachometers are operative, and</li> <li>g) AFM performance penalties are applied.</li> </ol>	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 32. Landing Gear

Sequence No.	Item	1	2	3	4	Change Bar
32-42-03	Braking/Steering Control Unit (BSCU) Channels/Systems					
1)	Channel 1/System 1					
a)	Aircraft with Mod. 165148/MP J4604 (BSCU P/N E21327307)	C	1	0	(M)(O) May be inoperative provided: a) The BSCU P/N E21327307 is not installed, b) Alternate brake system is verified to operate normally before each departure, c) Brake pressure indicators operate normally, d) The affected channel/system is deactivated, e) Prior to each flight, the CFDS does not indicate an L/G SYS DISAGREE caution, f) Channel 2/System 2 is operative, and g) The AUTO/BRK (LO, MED, MAX) pb-sw DECEL lights and the AUTO/BRK (LO, MED, MAX) pb-sw ON lights are considered inoperative.	
					NOTE 1: The BSCU standard P/N can be checked by AMM TASK 32-46-00-740-003-A BITE Test of the BSCU-LRU Identification.	
					NOTE 2: These provisos apply to all BSCU standards except L4.9 only.	
					(Continued)	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 32. Landing Gear

Sequence No.	Item	1	2	3	4	Change Bar
32-42-03	Braking/Steering Control Unit (BSCU) Channels/Systems (Cont'd)					
1)	Channel 1/System 1 (Cont'd)					
b)	Aircraft without Mod. 165148/MP J4604 (BSCU P/N E21327307) and without Mod. 36853/MP P9655 (BSCU STD L4.9) or with Mod. 36853/MP P9655 and Mod. 38973/MP P10891 (BSCU STD L4.9B)	C	1	0	<p>M)(O) May be inoperative provided:</p> <ol style="list-style-type: none"> <li>a) Alternate brake system is verified to operate normally before each departure,</li> <li>b) Brake pressure indicators operate normally,</li> <li>c) The affected channel/system is deactivated,</li> <li>d) Prior to each flight, the CFDS does not indicate an L/G SYS DISAGREE caution,</li> <li>e) Channel 2/System 2 is operative, and</li> <li>f) The AUTO/BRK (LO, MED, MAX) pb-sw DECEL lights and the AUTO/BRK (LO, MED, MAX) pb-sw ON lights are considered inoperative.</li> </ol> <p>NOTE: These provisos apply to all BSCU standards except L4.9 only.</p>	
(Continued)						



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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 32. Landing Gear

Sequence No.	Item	1	2	3	4	Change Bar
32-42-03	Braking/Steering Control Unit (BSCU) Channels/Systems (Cont'd)					
1)	Channel 1/System 1 (Cont'd)					
c)	Aircraft without Mod. 165148/MP J4604 (BSCU P/N E21327307) and with Mod. 36853/MP P9655 (BSCU STD L4.9) and without Mod. 38973/MP P10891 (BSCU STD L4.9B)	C	1	0	(M)(O) May be inoperative provided: <ul style="list-style-type: none"> <li>a) Alternate brake system is verified to operate normally before each departure,</li> <li>b) Brake pressure indicators operate normally,</li> <li>c) The A/S SKD and N/W STRG switch is cycled to OFF and back to ON after the landing gear is down and locked prior to landing,</li> <li>d) The affected channel/system is deactivated,</li> <li>e) Prior to each flight, the CFDS does not indicate an L/G SYS DISAGREE caution,</li> <li>f) Channel 2/System 2 is operative, and</li> <li>g) The AUTO/BRK (LO, MED, MAX) pb-sw DECEL lights and the AUTO/BRK (LO, MED, MAX) pb-sw ON lights are considered inoperative.</li> </ul> <p>NOTE: These provisos apply to BSCU standard L4.9 only.</p>	
(Continued)						

## 32. Landing Gear

Sequence No.	Item	1	2	3	4	Change Bar
32-42-03	Braking/Steering Control Unit (BSCU) Channels/Systems (Cont'd)					
2)	Channel 2/System 2					
a)	Aircraft with Mod. 165148/MP J4604 (BSCU P/N E21327307) and without Mod. 36853/MP P9655 (BSCU STD L4.9) or with Mod. 36853/MP P9655 and Mod. 38973/MP P10891 (BSCU STD L4.9B)	C	1	0	(M)(O) May be inoperative provided: a) The BSCU P/N E21327307 is not installed, b) Alternate brake system is verified to operate normally before each departure, c) Brake pressure indicators operate normally, d) The affected channel/system is deactivated, e) Prior to each flight, the CFDS does not indicate an L/G SYS DISAGREE caution, and f) Channel 1/System 1 is operative.  NOTE 1: The BSCU standard P/N can be checked by AMM TASK 32-46-00-740-003-A BITE Test of the BSCU-LRU Identification.  NOTE 2: These provisos apply to all BSCU standards except L4.9.	
					(Continued)	

## 32. Landing Gear

Sequence No.	Item	1	2	3	4	Change Bar
32-42-03	Braking/Steering Control Unit (BSCU) Channels/Systems (Cont'd)					
2)	Channel 2/System 2 (Cont'd)					
b)	Aircraft without Mod. 165148/MP J4604 (BSCU P/N E21327307) and without Mod. 36853/MP P9655 (BSCU STD L4.9) or with Mod. 36853/MP P9655 and Mod. 38973/MP P10891 (BSCU STD L4.9B)	C	1	0	(M)(O) May be inoperative provided: a) Alternate brake system is verified to operate normally before each departure, b) Brake pressure indicators operate normally, c) The affected channel/system is deactivated, d) Prior to each flight, the CFDS does not indicate an L/G SYS DISAGREE caution, and e) Channel 1/System 1 is operative.  NOTE: These provisos apply to all BSCU standards except L4.9.	
					(Continued)	

## 32. Landing Gear

Sequence No.	Item	1	2	3	4	Change Bar
32-42-03	Braking/Steering Control Unit (BSCU) Channels/Systems (Cont'd)					
2)	Channel 2/System 2 (Cont'd)					
c)	Aircraft without Mod. 165148/MP J4604 (BSCU P/N E21327307) and with Mod. 36853/MP P9655 (BSCU STD L4.9) and without Mod. 38973/MP P10891 (BSCU STD L4.9B)	C	1	0	(M)(O) May be inoperative provided: a) Alternate brake system is verified to operate normally before each departure, b) Brake pressure indicators operate normally, c) The A/S SKD and N/W STRG switch is cycled to OFF and back to ON after the landing gear is down and locked prior to landing, d) The affected channel/system is deactivated, e) Prior to each flight, the CFDS does not indicate an L/G SYS DISAGREE caution, and f) Channel 1/System 1 is operative.  NOTE: These provisos apply to BSCU standard L4.9 only	

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**32. Landing Gear**

Sequence No.	Item	1	2	3	4	Change Bar
32-42-04	AUTO/BRK Function	C	1	0	(O) May be inoperative provided: a) Approach minimums do not require its use, and b) Normal braking is not affected.	
1)	AUTO/BRK Panel Mode Lights (LO, MED, MAX)					
a)	ON	C	3	0	May be inoperative provided Autobrake Indications on ECAM WHEEL page normally.	
		C	3	0	May be inoperative provided associated Autobrake Mode is not used.	
b)	DECEL	C	3	0	May be inoperative provided Autobrake indications on ECAM WHEEL page operate normally.	
		C	3	0	May be inoperative provided associated Autobrake Mode is not used.	

## 32. Landing Gear

Sequence No.	Item	1	2	3	4	Change Bar
32-42-05	Tachometer (Aircraft with Mod. 157591/MP J4030 (BSCU STD L4.10))	C	4	3	(O) One may be inoperative provided: a) Both LGCIU are operative, b) All SECs are operative, c) All ground spoilers are operative, d) Crosswind component is below 10 kt at departure airport and below 15 kt at arrival airport, e) Takeoff runway state is no more than wet, f) AFM Performance penalties are applied, g) BSCU L4.9B (P/Ns E21327006/ E21327106/E21327306) has not been installed by interchangeability, and h) Affected brake is considered inoperative.  NOTE: BSCU standard P/N can be checked by BITE Test of BSCU – LRU Identification.	
32-42-06	Nose Wheel Brake Pads (Without Mod. 28482)	C	2	0	(M) May be inoperative provided brake pads are removed.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 32. Landing Gear

Sequence No.	Item	1	2	3	4	Change Bar
32-44-01	Yellow Brake System					
1)	Aircraft with Mod. 165148/MP J4604 (BSCU P/N E21327307)	C	1	1	(M) Braking on one wheel may be inoperative provided: a) The BSCU P/N E21327307 is not installed, b) Yellow hydraulic supply of affected brake is deactivated, and c) Both reversers operate normally.  NOTE: The BSCU standard P/N can be checked by AMM TASK 32-46-00-740-003-A BITE Test of the BSCU - LRU Identification.	
2)	Aircraft without Mod. 165148/MP J4604 (BSCU P/N E21327307)	C	1	1	(M) Braking on one wheel may be inoperative provided: a) Yellow hydraulic supply of affected brake is deactivated, and b) Both reversers operate normally.	

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**32. Landing Gear**

Sequence No.	Item	1	2	3	4	Change Bar
32-44-02	ACCU PRESS Indicator					
1)	Without Mod. 31441	C	1	0	(M) May be inoperative provided: a) Both brake pressure indicators operate normally, and b) Pressure on both brake pressure indicators is verified with parking brake on.	
2)	With Mod. 31441	C	1	0	(M) May be inoperative provided: a) Both brake pressure indicators operate normally, and b) Pressure on both brake pressure indicators is verified with parking brake on.	
		C	1	0	(O) May be inoperative provided: a) ACCU PRESS/ACCU ONLY indication is available on ECAM WHEEL page, and b) Hydraulic pressure of the brake accumulator is checked on ECAM WHEEL page before each flight.	
32-44-03	BRAKES Pressure Indicators					
1)	Aircraft with Mod. 165148/MP J4604 (BSCU P/N E21327307)	C	2	1	(O) One may be inoperative provided: a) The BSCU P/N E21327307 is not installed, and b) Both BSCU channels/systems operate normally.	
					NOTE: The BSCU standard P/N can be checked by AMM TASK 32-46-00-740-003-A BITE Test of the BSCU - LRU Identification.	
2)	Aircraft without Mod. 165148/MP J4604 (BSCU P/N E21327307)	C	2	1	(O) One may be inoperative provided both BSCU channels/systems operate normally	



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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 32. Landing Gear

Sequence No.	Item	1	2	3	4	Change Bar
32-45-02	Parking Brake External Light	C	1	0	May be inoperative provided parking brake status is verified before moving aircraft.	
32-47-01	Brake Temperature Monitoring Unit	C	2	0	(M)(O) May be inoperative provided brake ground cooling time is applied.	
32-48-01 ***	Brake Fan System	D	1	0	May be inoperative.	
1)	Brake Fan	D	4	0	(M) May be inoperative provided affected pair of fans is deactivated.	
32-48-02 ***	BRAKE FAN HOT Light	D	1	0		
32-48-03 ***	BRK FAN ON Light	D	1	0	NOTE: Brake Fan operation may be checked through the brake fan ECAM MEMO.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 32. Landing Gear

Sequence No.	Item	1	2	3	4	Change Bar
32-49-01 ***	ECAM Tire Pressure Indications	D	6	0	One or more may be inoperative.	
32-49-02 ***	Tire Pressure Monitoring System	D	1	0	(M) May be inoperative on one or more wheels provided the tire pressure on affected wheel(s) is checked every 3 days.	
32-49-03	Warning and Caution on ECAM EWD					
1) ***	WHEEL TYRE LO PR Caution on ECAM EWD	D	1	0	(M) May be inoperative on one or more wheels provided: <ul style="list-style-type: none"> <li>a) Associated pressure monitoring channel is deactivated if the WHEEL TYRE LO PR caution was triggered erroneously, and</li> <li>b) Tire pressure on affected wheel is checked to be within limits before the first flight and then every 3 calendar-days.</li> </ul>	
		D	1	0	(M) May be inoperative on all wheels provided: <ul style="list-style-type: none"> <li>a) The Tire Pressure Indicating Computer (TPIC) is deactivated if the WHEEL TYRE LO PR Caution was triggered erroneously, and</li> <li>b) The tire pressure on each wheel is checked to be within the limits before the first flight and then every 3 calendar-days.</li> </ul>	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 32. Landing Gear

Sequence No.	Item	1	2	3	4	Change Bar
32-51-02	PEDALS DISC pb	C	2	0	(O) May be inoperative in the released position (no disconnection possible and NWS still available by rudder pedals).	
32-51-03	Nose Wheel Steering Control System Deactivation Device (For A/C Towing)	C	1	0	(O) May be inoperative (no towing Mode when lever in TOWING position).	
		C	1	0	(M)(O) May be inoperative provided the NWS electrical deactivation box is deactivated.	
32-60-01	LDG Gear Indicator Panel (UNLK and/or Down and Locked Triangle Indications)	B	1	0	(O) May be inoperative provided: <ol style="list-style-type: none"> <li>a) Both landing gear position indications (on ECAM wheel page) for all three landing gear operate normally, and</li> <li>b) Upper and lower ECAM display units operate normally.</li> </ol>	
32-60-02	Gear Not Down Indication					
1)	Red DOWN Arrow Light	B	1	0	(M) May be inoperative provided GEAR NOT DOWN caution on ECAM operates normally.	
32-60-03	ECAM Wheel Page Indications					
1)	UP LOCK	C	3	0	One or more may be inoperative.	
2)	L/G Doors	C	3	0	May be inoperative provided MAX SPEED is limited to 250 kts/M .60.	
3)	L/G CTL	C	1	0	May be inoperative.	
4)	REL	C	4	0	One or more may be inoperative.	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**32. Landing Gear**

Sequence No.	Item	1	2	3	4	Change Bar
32-60-03	ECAM Wheel Page Indications (Cont'd)					
5)	ANTI SKID/ANTI SKID [1,2]	C	-	0	(M) May be inoperative provided antiskid system operates normally.	
6)	AUTO BRK	C	1	0	(O) May be inoperative provided Autobrake Mode Lights operate normally.	
		C	1	0	May be inoperative provided AUTO/BRK Function is not used.	
7)	Brakes Temperatures	C	4	0	(M)(O) May be inoperative provided ground brake cooling time is applied.	
8)	L/G Position	C	6	3	May be inoperative provided gear position indications are available on landing gear indicator panel.	
9)	[Y] N/W STEERING (With Mod. 31441)	C	2	0	One or both may be inoperative.	
10)	[G] NORM BRK (With Mod. 31441)	C	2	0	One or both may be inoperative.	
11)	[Y] ALTN BRK (With Mod. 31441)	C	2	0	One or both may be inoperative.	
12)	ACCU PRESS/ACCU ONLY (With Mod. 31441)	C	1	0	May be inoperative.	

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**32. Landing Gear**

Sequence No.	Item	1	2	3	4	Change Bar
32-60-04	Fault(s) Indicated by BRAKES N/WS MINOR FAULT Caution on ECAM EWD					
1)	A318/A319ceo/A320ceo/A321ceo with Mod. 26925/MP P4576 (Alt. Braking) and without Mod. 38973/MP P10891 (BSCU STD L4.9B)	B	-	-	(M)(O) May be inoperative provided: <ol style="list-style-type: none"> <li>a) Caution BRAKES N/WS MINOR FAULT is confirmed to be caused by a fault on an alternate braking system pressure transducer by troubleshooting,</li> <li>b) BSCU system 1 and system 2 operate normally, and</li> <li>c) It is checked prior to each departure that the following CFDS failure messages related to BRAKES N/WS MINOR FAULT are not displayed:               <ul style="list-style-type: none"> <li>• A fault on the Alternate Braking Control Unit (ABCU),</li> <li>• A fault on the Alternate Braking Selector Valve,</li> <li>• A fault on the Alternate Braking Servo-valve, or</li> <li>• A degraded pressure on an Alternate Servo-valve.</li> </ul> </li> </ol>	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
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**32. Landing Gear**

Sequence No.	Item	1	2	3	4	Change Bar
32-60-04	Fault(s) Indicated by BRAKES N/WS MINOR FAULT Caution on ECAM EWD (Cont'd)					
1)	A318/A319ceo/A320ceo/A321ceo with Mod. 26925/MP P4576 (Alt. Braking) and without Mod. 38973/MP P10891 (BSCU STD L4.9B) (Cont'd)	B	-	-	(M)(O) May be inoperative provided: <ul style="list-style-type: none"> <li>a) BRAKES pressure indicators operate normally,</li> <li>b) Alternate braking system is checked operative before the first flight of each day, and</li> <li>c) It is checked prior to each departure that the following CFDS failure messages related to BRAKES N/WS MINOR FAULT are not displayed: <ul style="list-style-type: none"> <li>• A fault on the Alternate Braking Control Unit (ABCU),</li> <li>• A fault on the Alternate Braking Selector Valve,</li> <li>• A fault on the Alternate Braking Servo-valve,</li> <li>• A fault on the Alternate Pressure Transducer, or</li> <li>• A degraded pressure on an Alternate Servo-valve.</li> </ul> </li> </ul>	
					(Continued)	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**32. Landing Gear**

Sequence No.	Item	1	2	3	4	Change Bar
32-60-04	Fault(s) Indicated by BRAKES N/WS MINOR FAULT Caution on ECAM EWD (Cont'd)					
2)	A318/A319ceo/A320ceo/A321ceo with Mod. 26925/MP P4576 (Alt Braking) and with Mod. 38973/MP P10891 (BSCU STD L4.9B) and A319neo/A320neo/A321neo	B	-	-	May be inoperative provided: <ol style="list-style-type: none"> <li>a) Caution BRAKES N/WS MINOR FAULT is confirmed to be caused by a fault on an alternate braking system pressure transducer by troubleshooting, and</li> <li>b) BSCU system 1 and system 2 operate normally.</li> </ol>	
		B	-	-	(M)(O) May be inoperative provided: <ol style="list-style-type: none"> <li>a) BRAKES pressure indicators operate normally,</li> <li>b) Alternate braking system is checked operative before the first flight of each day, and</li> <li>c) It is checked prior to each departure that the following CFDS failure message related to BRAKES N/WS MINOR FAULT is not displayed:                         <ul style="list-style-type: none"> <li>• A fault on an Alternate Pressure Transducer, or</li> <li>• A fault on a Normal Pressure Transducer.</li> </ul> </li> </ol>	
32-60-07 ***	Integral Tire Pressure Indicators	D	-	0	One or more may be inoperative.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 33. Lights

Sequence No.	Item	1	2	3	4	Change Bar
33-10-01	Cockpit and Instrument Panel Lighting System					
1)	Aircraft with Mod. 27620/MP P5638 (ISIS)	C	-	-	<p>Individual lights may be inoperative provided:</p> <ol style="list-style-type: none"> <li>a) Remaining lights are sufficient to clearly illuminate all required instruments, controls, and other devices for which they are provided,</li> <li>b) Remaining lights are positioned so that direct rays are shielded from flight crewmembers' eyes,</li> <li>c) Lighting configuration and intensity is acceptable to the flightcrew, and</li> <li>d) RH dome light is operative.</li> </ol> <p>NOTE 1: RH dome light is considered operative with a minimum of three bulbs illuminated in each incandescent assembly. RH dome light is considered operative with all LED segments operational in LED assembly. The bulbs can be checked by selecting the DOME toggle switch from OFF (LED), to DIM to BRT and ensure all functions operate.</p> <p>NOTE 2: Individual button/switch lights and/or annunciations and indications are excluded from this relief.</p> <p>NOTE 3: Unaided operation (without NVGs) may be permitted with inoperative NVG supplemental lights; cracked or missing filters.</p>	
(Continued)						



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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 33. Lights

Sequence No.	Item	1	2	3	4	Change Bar
33-10-01	Cockpit and Instrument Panel Lighting System (Cont'd)					
2)	Aircraft with Mod. 27140/MP P4801 (EEPGS) or with Mod. 37329/MP P10166 or with Mod. 37330/MP P10167 and without Mod. 27620/MP P5638 (ISIS)	C	-	-	<p>Individual lights may be inoperative provided:</p> <ol style="list-style-type: none"> <li>a) Remaining lights are sufficient to clearly illuminate all required instruments, controls, and other devices for which they are provided,</li> <li>b) Remaining lights are positioned so that direct rays are shielded from flight crewmembers' eyes,</li> <li>c) Lighting configuration and intensity is acceptable to the flightcrew,</li> <li>d) RH dome light is operative, and</li> <li>e) The left section of the center main panel flood light operates normally.</li> </ol> <p>NOTE 1: RH dome light is considered operative with a minimum of three bulbs illuminated in each assembly The bulbs can be checked by selecting the DOME toggle switch from DIM to BRT and ensure both functions operate.</p> <p>NOTE 2: Individual buttons/switch lights and/or annunciations and indications are excluded from this relief.</p> <p>NOTE 3: Unaided operation (without NVGs) may be permitted with inoperative NVG supplemental lights; cracked or missing filters.</p>	
(Continued)						

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PAGE NO. 33-3

<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 33. Lights

Sequence No.	Item	1	2	3	4	Change Bar
33-10-01	Cockpit and Instrument Panel Lighting System (Cont'd)					
3)	Aircraft without Mod. 27140/MP P4801 (EEPGS) or without Mod. 27620/MP P5638 (ISIS) or without Mod. 37329/MP P10166 or without Mod. 37330/MP P10167	C	-	-	<p>Individual lights may be inoperative provided:</p> <ol style="list-style-type: none"> <li>a) Remaining lights are sufficient to clearly illuminate all required instruments, controls, and other devices for which they are provided,</li> <li>b) Remaining lights are positioned so that direct rays are shielded from flight crewmembers' eyes,</li> <li>c) Lighting configuration and intensity is acceptable to the flightcrew,</li> <li>d) Both dome lights are operative, and</li> <li>e) The left section of the center main panel flood light operates normally.</li> </ol> <p>NOTE 1: Dome lights are considered operative with a minimum of three bulbs illuminated in each assembly. The bulbs can be checked by selecting the DOME toggle switch from DIM to BRT and ensure both functions operate.</p> <p>NOTE 2: Individual buttons/switch lights and/or annunciations and indications are excluded from this relief.</p> <p>NOTE 3: Unaided operation (without NVGs) may be permitted with inoperative NVG supplemental lights; cracked or missing filters.</p>	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 33. Lights

Sequence No.	Item	1	2	3	4	Change Bar
33-10-02	Annunciator Lights					
1)	Test Function	B	1	0	May be inoperative.	
2)	Dim Function	C	1	0	May be inoperative for non-night operations.	
3)	Bright Function	C	1	0	May be inoperative: a) For night operations, and b) Non-night operations are not conducted.	
33-20-01	Cabin Light System					
1)	Passenger Configurations without Photoluminescent Escape Path Marking System	C	-	-	(O) Individual lights may be inoperative provided remaining lighting is sufficient for cabin attendants to perform their duties.	
2)	Passenger Configurations with Photoluminescent Escape Path Marking System	C	-	-	(O) Individual lights may be inoperative provided: a) Remaining lighting is sufficient for cabin attendants to perform their duties, and b) Minimum acceptable lighting levels specified in one of the following documents are maintained: 1) FAA engineering approval letter, 2) FAA-approved report or the Type Design holder, 3) Limitations and Conditions section of the applicable Supplemental Type Certificate (STC), or 4) An FAA-approved report incorporated in the Master Drawing List for the applicable STC.	

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**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**33. Lights**

Sequence No.	Item	1	2	3	4	Change Bar
33-20-02	Passenger Lighted Information Signs	C	-	-	(M) May be inoperative provided: a) Associated passenger seat or lavatory is not occupied from which a passenger lighted information sign is not readily legible, and b) Associated seat or lavatory is blocked and placarded "DO NOT OCCUPY".  NOTE: These conditions are not intended to prohibit lavatory use or inspections by crewmembers.	
1)	All-Cargo, Supernumerary/Courier Area Lighted Information Signs	C	-	-	(O) May be inoperative and associated passenger seat or lavatory may be occupied provided: a) PA system operates normally, and b) PA system is used to notify passengers and cabin crew when associated sign(s) are placed on or off.	
33-20-04	Passenger Lighted Information Signs AUTO Function	C	1	0	(O) May be inoperative provided Manual function operates normally.	
33-30-01	Cargo and Service Compartment Lighting System	D	1	0	May be inoperative.	

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**33. Lights**

Sequence No.	Item	1	2	3	4	Change Bar
33-40-01	Navigation Lights Systems					
1)	Aircraft Equipped with One Navigation Light System	C	1	0	Must be operative between sunset and sunrise.	
a)	Forward Navigation Lights LEDs (With Mod. 150780/MPJ3140)	C	-	-	One LED in each Nav Light Assembly may be inoperative.	
2) ***	Aircraft Equipped with Two Navigation Light Systems	C	2	1	NAV 1 or NAV 2 system may be inoperative.	
		C	2	0	Must be operative between sunset and sunrise.	
a)	Forward Navigation Lights LEDs (With Mod. 150780/MP J3140)	C	-	-	One LED in each Nav Light Assembly may be inoperative.	
3) ***	Navigation Light System (STC ST10742SC)	C	1	0	Must be operative between sunset and sunrise.	
a)	Forward Navigation Lights LEDs	C	8	6	One LED in each Nav Light Assembly may be inoperative.	
b)	Tail Navigation Light Bulbs	C	2	1	One bulb may be inoperative.	
4) ***	Forward Navigation Lights - Aircraft Equipped With One Navigation Lights System (STC ST03975NY)	C	1	0	Must be operative between sunset and sunrise.	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**33. Lights**

Sequence No.	Item	1	2	3	4	Change Bar
33-40-01	Navigation Lights Systems (Cont'd)					
5) ***	Forward Navigation Lights - Aircraft Equipped With Two Navigation Lights Systems (STC ST03975NY)	C	2	1	NAV 1 or NAV 2 system may be inoperative.	
6) ***	Forward Navigation Lights – Aircraft Equipped With Two Navigation Lights Systems (STC ST03975NY)	C	2	0	Must be operative between sunset and sunrise.	
33-40-02	Landing Lighting System					
1)	Landing Lights	C	2	1	One may be inoperative provided taxi and takeoff lights operate normally.	
		C	2	0	May be inoperative for non-night operations.	
2)	Extension/ Retraction Systems	C	2	0	(O) May be inoperative in the extended position provided a 1% fuel penalty is applied for each extended light.	
		C	2	0	May be inoperative in the retracted position provided that the associated light is considered inoperative.	
33-40-03	Runway Turn-Off Light Systems	C	2	0	One or both may be inoperative.	
33-40-04	Taxi and Takeoff Light Systems	C	2	0	One or both may be inoperative.	
33-40-05 ***	Logo Lights	D	2	0	One or both may be inoperative.	

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AIRCRAFT:  
Airbus A320**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**33. Lights**

Sequence No.	Item	1	2	3	4	Change Bar
33-40-06	Anticollision/ Strobe Lighting					
1)	Beacon Lights	C	2	0	(O) May be inoperative provided: a) Strobe lights operate normally, and b) Alternate procedures are established and used.	
2)	Strobe Lights	C	3	0	(O) May be inoperative provided: a) Beacon Lights operate normally, and b) Alternate procedures are established and used.	
33-40-07	Wing Scan Lights	C	2	0	(O) May be inoperative provided ground deicing procedures do not require their use.	
33-50-01	Exit Signs	C	-	0	(O) May be inoperative or missing provided: a) No passengers are carried, b) A maximum of 19 persons authorized by 14 CFR for non-passenger-carrying operations are carried, and c) Alternate procedures are established and used.	
1)	Wall Mounted Exit (Marking) Signs	C	-	-	Up to three non-adjacent Bulbs or LEDs may be inoperative in individual signs.	
2)	Main Aisle Overhead Exit (Location) Signs	C	-	-	Up to three non-adjacent LEDs may be inoperative in individual signs.	
NOTE: For main aisle overhead Exit (Location) Signs with Bulbs, all Bulbs must be operative.						

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AIRCRAFT: Airbus A320	<b>TABLE KEY</b> 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
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**33. Lights**

Sequence No.	Item	1	2	3	4 <span>Change Bar</span>
33-50-02	Overhead Emergency Lights				
1)	A318/A319	C	11	9	A maximum of two non-adjacent overhead emergency lights may be inoperative.
2)	A320				
a)	Without Mod. 24399/MP K3756	C	14	11	A maximum of three non-adjacent overhead emergency lights may be inoperative.
b)	With Mod. 24399/MP K3756	C	12	9	A maximum of three non-adjacent overhead emergency lights may be inoperative.
3)	A321	C	19	15	A maximum of four non-adjacent overhead emergency lights may be inoperative.
33-50-03	Floor Proximity Emergency Escape Path Marking System	C	-	-	(O) May be inoperative or missing provided: a) No passengers are carried, b) A maximum of 19 persons authorized by 14 CFR for non-passenger-carrying operations are carried, and c) Alternate procedures are established and used.  (Continued)



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**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**33. Lights**

Sequence No.	Item	1	2	3	4	Change Bar
33-50-03	Floor Proximity Emergency Escape Path Marking System (Cont'd)					
1)	Individual Incandescent Bulbs, LEDs, Electroluminescent Lights, or Photoluminescent Components	C	-	-	May be inoperative provided minimum acceptable lighting levels (specified in one of the following documents) are maintained: a) FAA engineering approval letter, b) FAA-approved report of the Type Design holder, c) Limitations and Conditions section of the applicable Supplemental Type Certificate (STC), or d) An FAA-approved report incorporated in the Master Drawing List of the applicable STC.	
33-50-04 ***	Overwing Escape Route Lighting					
1)	Overwing Emergency Light	C	-	-	May be inoperative for non-night operations.	
2)	Overwing Exit Handle Light	B	-	0	One or more may be inoperative.	
33-50-05	Escape Slide Lighting	B	-	0	May be inoperative for non-night operations.	
33-50-06	Lavatory Auxiliary Lights	C	-	0	One or more may be inoperative.	
33-50-08	EMER EXIT LT OFF Light on SIGNS Overhead Panel	C	-	0	One or more may be inoperative.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 33. Lights

Sequence No.	Item	1	2	3	4	Change Bar
33-50-09	Interior and Exterior Emergency Lighting Systems	C	-	0	(O) May be inoperative or missing provided: a) No passengers are carried, b) A maximum of 19 persons authorized by 14 CFR for non-passenger-carrying operations are carried, and c) Alternate procedures are established and used.	
33-51-12	BAT TEST pb on the PTP	C	1	0	(M) May be inoperative provided that the batteries are verified correctly charged.  NOTE: Battery tests required by the carrier's maintenance program cannot be exceeded.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
34-00	CLASS II MAINTENANCE MESSAGES DISPLAYED ON ECAM STATUS PAGE OF ECAM SYSTEM DISPLAY					
1)	Fault(s) Indicated by ADR	C	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
2)	Fault(s) Indicated by IR	C	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
3)	Fault(s) Indicated by RA 1(2)	C	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
34-00-01	Autotune Systems	C	2	1		

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**TABLE KEY**

1. REPAIR CATEGORY
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4. REMARKS OR EXCEPTIONS

**34. Navigation**

Sequence No.	Item	1	2	3	4	Change Bar
34-10-01	ADIRS					
1)	IR 1					
a)	Aircraft with or without Honeywell FMS 2 (P1A or Release 1A Standard). Aircraft with Honeywell FMS 2 must not have following mods: <ul style="list-style-type: none"> <li>• 35526/MP P9126</li> <li>• 37311/MP P9823</li> <li>• 37934/MP P10439</li> <li>• 150370/MP P11613</li> <li>• 38779/MP P10763</li> <li>• 38778/MP P10762</li> </ul>	C	1	0	(O) NAV Mode of IR 1 may be inoperative provided: <ul style="list-style-type: none"> <li>a) IR 1 is operated in ATT mode,</li> <li>b) IR 2 and IR 3 are operative,</li> <li>c) GPS 1 is operative,</li> <li>d) Terrain Awareness and Warning System is considered inoperative, and</li> <li>e) Approach minimums do not require its use.</li> </ul>	
		C	1	0	(O) NAV Mode of IR 1 may be inoperative provided: <ul style="list-style-type: none"> <li>a) IR 1 is operated in ATT mode,</li> <li>b) IR 2 and IR 3 are operative,</li> <li>c) Flight remains within radio nav aids,</li> <li>d) Terrain Awareness and Warning System is considered inoperative, and</li> <li>e) Approach minimums do not require its use.</li> </ul>	
(Continued)						

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**34. Navigation**

Sequence No.	Item	1	2	3	4	Change Bar
34-10-01	ADIRS (Cont'd)					
1)	IR 1 (Cont'd)					
b)	Aircraft with Honeywell FMS 2 (P1A or Release 1A standard) and with any of following Mods: <ul style="list-style-type: none"> <li>• 35526/MP P9126</li> <li>• 37311/MP P9823</li> <li>• 37934/MP P10439</li> <li>• 150370/MP P11613</li> <li>• 38779/MP P10763</li> <li>• 38778/MP P10762</li> </ul>	A	1	0	(O) NAV Mode of IR 1 may be inoperative provided: <ul style="list-style-type: none"> <li>a) IR 1 is operated in ATT mode,</li> <li>b) IR 2 and IR 3 are operative,</li> <li>c) GPS 1 is operative,</li> <li>d) Terrain Awareness and Warning System is considered inoperative,</li> <li>e) Approach minimums do not require its use,</li> <li>f) FMGC 1 is considered inoperative, and</li> <li>g) Repairs are made within 3 flight-legs.</li> </ul>	
		A	1	0	(O) NAV Mode of IR 1 may be inoperative provided: <ul style="list-style-type: none"> <li>a) IR 1 is operated in ATT mode,</li> <li>b) IR 2 and IR 3 are operative,</li> <li>c) Flight remains within radio nav aids coverage,</li> <li>d) GPWS Terrain Awareness and Warning System is considered inoperative,</li> <li>e) Approach minimums do not require its use,</li> <li>f) FMGC 1 is considered inoperative, and</li> <li>g) Repairs are made within 3 flight-legs.</li> </ul>	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
34-10-01	ADIRS (Cont'd)					
2)	IR 2					
a)	Aircraft with or without Honeywell FMS 2 (P1A or Release 1A Standard). Aircraft with Honeywell FMS 2 must not have following mods: <ul style="list-style-type: none"> <li>• 35526/MP P9126</li> <li>• 37311/MP P9823</li> <li>• 37934/MP P10439</li> <li>• 150370/MP P11613</li> <li>• 38779/MP P10763</li> <li>• 38778/MP P10762</li> </ul>	C	1	0	(O) NAV Mode of IR 2 may be inoperative provided: <ol style="list-style-type: none"> <li>a) IR 2 is operated in ATT mode,</li> <li>b) IR 1 and IR 3 are operative, and</li> <li>c) Approach minimums do not require its use.</li> </ol>	
		C	1	0	(O) May be inoperative provided: <ol style="list-style-type: none"> <li>a) IR 2 is set to OFF,</li> <li>b) IR 1 and IR 3 are operative,</li> <li>c) ADR 1 and ADR 3 are operative,</li> <li>d) Takeoff in CONF 1+F is prohibited, and</li> <li>e) Approach minimums do not require its use.</li> </ol>	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**34. Navigation**

Sequence No.	Item	1	2	3	4	Change Bar
34-10-01	ADIRS (Cont'd)					
2)	IR 2 (Cont'd)					
b)	Aircraft with Honeywell FMS 2 (P1A or Release 1A Standard) and with any of Following Mods: <ul style="list-style-type: none"> <li>• 35526/MP P9126</li> <li>• 37311/MP P9823</li> <li>• 37934/MP P10439</li> <li>• 150370/MP P11613</li> <li>• 38779/MP P10763</li> <li>• 38778/MP P10762</li> </ul>	A	1	0	(O) NAV Mode of IR2 may be inoperative provided: <ul style="list-style-type: none"> <li>a) IR 2 is operated in ATT mode,</li> <li>b) IR 1 and IR 3 are operative,</li> <li>c) Approach minimums do not require its use,</li> <li>d) FMGC 2 is considered inoperative, and</li> <li>e) Repairs are made within 3 flight-legs.</li> </ul>	
		A	1	0	(O) May be inoperative provided: <ul style="list-style-type: none"> <li>a) IR 2 is set to OFF,</li> <li>b) IR 1 and IR 3 are operative,</li> <li>c) ADR 1 and ADR 3 are operative,</li> <li>d) Takeoff in CONF 1+F is prohibited,</li> <li>e) Approach minimums do not require its use,</li> <li>f) FMGC 2 is considered inoperative, and</li> <li>g) Repairs are made within 3 flight-legs.</li> </ul>	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
34-10-01	ADIRS (Cont'd)					
3)	IR 3	C	1	0	(O) NAV Mode of IR 3 may be inoperative provided: a) IR 3 is operated in ATT mode, b) IR 1 and IR 2 are operative, and c) Approach minimums do not require its use.	
		C	1	0	(O) May be inoperative provided: a) IR 3 is set to OFF, b) IR 1 and IR 2 are operative, c) ADR 1 and ADR 2 are operative, and d) Approach minimums do not require its use.	
a)	Aircraft with any of following (Honeywell) ADIRU P/Ns: • HG1150AC05 (Mod. 21206/ MP P1488/ SB A320-34-1010), or • HG1150AC06 (Mod. 24349/ MP P3510/ SB A320/34-1084), or • HG1150AC07 (Mod. 30652/ MP P6739/ SB A320-34-1231	B	1	0	(O) May be inoperative provided: a) IR 3 is set to OFF, b) IR 1 and IR 2 are operative, c) ADR 1 and ADR 2 are operative, and d) Approach minimums do not require its use.	
(Continued)						



AIRCRAFT:		TABLE KEY			
Airbus A320		1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS			
<b>34. Navigation</b>					
Sequence No.	Item	1	2	3	4
34-10-01	ADIRS (Cont'd)				
4)	ADR 2 IAE Engines, CFM Engines, PW 6000 Engines, or PW 1100G Engines with Mod. 165817/ MP P21469 (FCS 5.0)	C	1	0	(M)(O) May be inoperative provided: a) Enroute operations do not require its use, b) IR 1 and IR 3 are operative, c) ADR 3 is operative, d) Takeoff in CONF 1+F is prohibited, and e) Approach minimums do not require its use.  NOTE: Without Mod. 30416/ MP P6635 or 31528/ MP P7268, RVSM operations are not permitted.
5)	ADR 3	C	1	0	(M)(O) May be inoperative provided: a) Enroute operations do not require its use, b) IR 1 and IR 2 are operative, c) ADR 2 is operative, and d) Approach minimums do not require its use.
34-10-02	ADIRS CDU (Aircraft Pre Mod. 36743/ MP P5253)				
1)	Mode Rotary Selectors	C	3	2	(O) ADIRS 2 or 3 selector may be inoperative provided the associated ADIRS is considered inoperative.
2)	Data Selector	C	1	0	May be inoperative provided MCDU 1 and MCDU 2 operate normally.  (Continued)

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
34-10-02	ADIRS CDU (Aircraft Pre Mod. 36743/ MP P5253) (Cont'd)					
3)	System Selector	C	1	0	May be inoperative provided: a) MCDU 1 and MCDU 2 operate normally, and b) IRS initialization is available through FMGS.	
4)	Display	C	1	0	May be inoperative provided MCDU 1 and MCDU 2 operate normally.	
5)	ADR Fault Lights	C	3	0	May be inoperative provided ECAM display operates normally.	
6)	ADR OFF Lights	C	3	0	May be inoperative provided ECAM display operates normally.	
7)	IR FAULT Lights	C	3	0	May be inoperative provided ECAM display operates normally.	
8)	IR ALIGN Lights	C	3	0	May be inoperative provided ECAM display operates normally.	
9)	ON BAT Light	C	1	0	May be inoperative.	
10)	Keyboard	C	1	0	May be inoperative provided MCDU 1 and MCDU 2 operate normally.	
11)	ADR 2 pb Switch	C	1	0	(O) May be inoperative provided: a) Mode Rotary Selector 2 is operative, and b) ADR 1, ADR 3, IR1, and IR3 are operative.	
12)	ADR 3 pb Switch	C	1	0	(O) May be inoperative provided: a) Mode Rotary Selector 3 is operative, and b) ADR 1, ADR 2, IR1, and IR2 are operative.	

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**34. Navigation**

Sequence No.	Item	1	2	3	4	Change Bar
34-10-03	ADIRS MSU (Aircraft Post Mod. 36743/MP P5253)					
1)	Mode Rotary Selectors	C	3	2	(O) ADIRS 2 or 3 selector may be inoperative provided the associated ADIRS is considered inoperative.	
2)	IR 2 pb Switch	C	1	0	(O) May be inoperative provided: a) Mode Rotary Selector 2 is operative, and b) ADR 1, ADR 3, IR1, and IR3 are operative.	
3)	IR 3 pb Switch	C	1	0	(O) May be inoperative provided: a) Mode Rotary Selector 3 is operative, and b) ADR 1, ADR 2, IR1, and IR2 are operative.	
4)	IR FAULT Lights	C	3	0	May be inoperative provided ECAM display operates normally.	
5)	IR OFF Lights	C	3	0	May be inoperative provided ECAM display operates normally.	
6)	ADR 2 pb Switch	C	1	0	(O) May be inoperative provided: a) Mode Rotary Selector 2 is operative, and b) ADR 1, ADR 3, IR1, and IR3 are operative.	
7)	ADR 3 pb Switch	C	1	0	(O) May be inoperative provided: a) Mode Rotary Selector 3 is operative, and b) ADR 1, ADR 2, IR 1, and IR 2 are operative.	
8)	ADR FAULT Lights	C	3	0	May be inoperative provided ECAM display operates normally.	
9)	ADR OFF Lights	C	3	0	May be inoperative provided ECAM display operates normally.	
10)	ON BAT Light	C	1	0	May be inoperative.	

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AIRCRAFT: Airbus A320	<b>TABLE KEY</b> 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS
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### 34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
34-12-01	BKUP SPD/ALT pb-sw ON light (With Mod. 159281/MP P15825)	D	2	0	One or both may be inoperative.	
34-12-02	BKUP SPD/ALT pb-sw (With Mod. 159281/MP P15825)	D	2	0	(O) May be inoperative provided Back Up Speed is not used.	
34-12-03	Digital Backup Speed (DBUS) (With Mod. 163909/MP P20614)	D	1	0	(O) May be inoperative provided Digital Backup Speed is not used.	
34-13-02	Mach Numbers on PFD	C	2	1	One may be inoperative.	
		C	2	0	(O) May be inoperative provided: a) MMO black and red strips operate normally on both PFDs, and b) Airplane remains at or below FL 250.	
		C	2	0	May be inoperative provided ISIS Mach Number function is operative.	
34-13-05	Vertical Speed Indications on PFD					
1)	Inertial Mode	C	2	0	(O) One or both may be inoperative.	
34-13-07	Ground Speed Indications on ND	C	2	0	(O) One or both may be inoperative.	
34-13-08	True Airspeed Indications on ND (IAE, CFM, PW 6000 Engines and PW 1100G engines with Mod. 165817/MP P21469 (FCS 5.0))	C	2	0	(O) One or both may be inoperative.	

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**34. Navigation**

Sequence No.	Item	1	2	3	4	Change Bar
34-13-09	Wind Indications on ND	C	2	0	(O) One or both may be inoperative.	
34-13-10	Radio Nav aids Indications on PFD	C	-	0	May be inoperative provided operations or procedures do not require its use.	
34-13-11	Radio Nav aids Indications on ND	C	-	-	May be inoperative on one ND provided affected indication is operative on second ND.	
		C	-	-	May be inoperative (except VOR and ADF) provided affected indication is operative on PFD.	
		C	-	-	May be inoperative provided VOR, DME, or ADF indication is operative on DDRMI.	
		-	-	-	May be inoperative provided affected system is considered inoperative.	
34-14-02	EIS Heading	C	4	3	(O) One may be inoperative.	
34-14-04	Navigation Station Information	C	-	0	One or more may be inoperative.	
34-14-05	Chrono	C	2	0	One or both may be inoperative.	
34-15-01 ***	Angle of Attack Indicator	D	-	0	May be inoperative provided operations/procedures do not require its use.	
34-15-02	NORTH REF pb-sw (With Mod. 35891/ MP P9351)					
1)	Outside Polar area	D	1	0	May be inoperative provided operations are conducted outside Polar area.	
2)	Inside Polar area	C	1	0	(O) May be inoperative.	

AIRCRAFT: Airbus A320	<b>TABLE KEY</b>
	1. REPAIR CATEGORY
	2. NO. INSTALLED
	3. NO. REQUIRED FOR DISPATCH
	4. REMARKS OR EXCEPTIONS

## 34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
34-21-01	Standby Airspeed Indicator					
1)	Airspeed Bugs	D	-	0	One or more may be inoperative.	
34-21-02	Standby Altimeter					
1)	Altitude Bugs	D	-	-	One or more may be inoperative.	
34-21-03 ***	Standby Metric Altimeter	D	1	0	May be inoperative.	
34-22-01	Standby Horizon (Attitude) (Aircraft with Honeywell ADIRUs or Aircraft with Litton ADIRUs P/N 465020-0303-0316 and Mod. 30650 or 30872)	B	1	0	May be inoperative provided: a) Operations are conducted in Day VMC only, and b) Operations are not conducted into known or forecast over-the-top conditions.	
34-22-02	Non-Stabilized Magnetic Compass (Standby) (Aircraft Equipped with Honeywell ADIRUs or Aircraft Equipped with Litton ADIRUs P/N 465020-0303-316 and Mod. 30650 or 30872)	B	1	0	(O) May be inoperative provided: a) Three IRs operate normally, and b) ATT/HDG, EIS DMS, and PFD/ND switching capabilities.	
		B	1	0	May be inoperative provided: a) Three IRs operate normally, and b) DDRMI operates normally.	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**34. Navigation**

Sequence No.	Item	1	2	3	4	Change Bar
34-22-02	Non-Stabilized Magnetic Compass (Standby) (Aircraft Equipped with Honeywell ADIRUs or Aircraft Equipped with Litton ADIRUs P/N 465020-0303-316 and Mod. 30650 or 30872) (Cont'd)	B	1	0	(O) May be inoperative provided: a) Any combination of two IRs are operative, and b) Airplane is operated with dual independent navigation capability and under positive radar control by ATC on enroute portion of flight.	
1)	Lighting (Aircraft Equipped with Honeywell or Litton ADIRUs)	C	1	0	May be inoperative.	
34-22-03	Integrated Standby Instrument System					
1)	Horizon (Attitude) Function	B	1	0	May be inoperative provided: a) Operations are conducted in Day VMC only, and b) Operations are not conducted into known or forecast over-the-top conditions.	
2)	ILS Function	D	1	0	May be inoperative.	
3)	Mach Number Function	D	1	0	May be inoperative.	
4)	Bugs Function	D	1	0	May be inoperative.	

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Airbus A320**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**34. Navigation**

Sequence No.	Item	1	2	3	4	Change Bar
34-30-01 ***	Head-Up Display (HUD)	D	-	0		
34-30-03	GNSS Landing System (GLS) Function (Mod. 39327/MP P8500)	D	2	0	(O) May be inoperative provided approach minimums do not require the use of GLS.	
34-36-01	ILS Navigation Systems	C	2	-	As required by 14 CFR.  NOTE: GPWS Glideslope Deviation Light(s) will be inoperative with the loss of the ILS 1.	
34-37-01 ***	FMS Landing System (FLS)	C	2	0	(O) May be inoperative.	
34-40-07	GPWS – G/S pb-sw or PULL UP – GPWS pb-sw or PULL UP – G/S pb-sw	C	2	1	(O) One may be inoperative provided aural and visual warnings associated with the GPWS Modes 1-5 and the GPWS Terrain System are checked operative.	
		A	2	0	Both may be inoperative provided: a) GPWS Modes 1-5 and GPWS Terrain System are considered inoperative, and b) Repairs are made within 2 flight-days.	
34-40-09 ***	Runway End Overrun Warning/Runway End Overrun Protection (ROW/ROP) (Mod. 155269/MP P12511)	D	1	0	May be inoperative.	



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**TABLE KEY**

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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**34. Navigation**

Sequence No.	Item	1	2	3	4	Change Bar
34-40-10 ***	ROW/ROP pb-sw OFF Light (With Mod. 163910/ MP P20767 or Mod. 163425/ MP P20473)	D	1	0	(O) May be inoperative.	
34-40-11 ***	ROW/ROP pb-sw (With Mod. 163910/ MP P20767 or Mod. 163425/ MP P20473)					
1)	OFF Position	C	1	0	(O) May be inoperative.	
2)	ON Position	D	1	0	(O) May be inoperative provided ROW/ROP is considered inoperative.	
34-40-12 ***	RWY COND Rotary Selector (With Mod. 163910/ MP P20767 or Mod. 163425/ MP P20473)	D	1	0	May be inoperative provided ROW/ROP is considered inoperative.	
34-41-01	Weather Radar Systems	D	-	-	Any in excess of those required by 14 CFR may be inoperative.	
1) ***	Transceiver (Aircraft with Dual Transceivers)	D	2	1	May be inoperative.	
2)	Map Mode	C	-	0	One or more may be inoperative.	
3)	Automatic Gain Control (CAL)	C	-	0	May be inoperative provided radar gain can be manually tuned to receive satisfactory radar returns.	
4)	Turbulence Detection Mode	C	1	0	May be inoperative.	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**34. Navigation**

Sequence No.	Item	1	2	3	4	Change Bar
34-41-01	Weather Radar Systems (Cont'd)					
5)	Ground Clutter Suppression	C	1	0	May be inoperative.	
6)	AUTO TILT Control	C	1	0	May be inoperative provided manual tilt function operates normally.	
7) ***	Predictive Windshear Detection and Avoidance System	B	-	0	(O) May be inoperative provided alternate procedures are established and used.  NOTE: Operator's alternate procedures should include reviewing windshear avoidance and windshear recovery procedures.	
		C	-	0	(O) May be inoperative provided: a) Alternate procedures are established and used, and b) Windshear Warning and Guidance System (Reactive) operates normally.	
34-42-01	Radio Altimeter (RA) Systems	A	2	1	(M)(O) One may be inoperative provided: a) Approach minimums do not require its use, b) Both FCU channels operate normally, c) All ELACs, SECs, ADIRS, SFCC, LGCIU, and FACs operate normally, and d) Repairs are made within 2 flight-days for RA 1 and within 3 flight-days for RA 2.  NOTE: For aircraft equipped with TCAS or T2CAS, inoperative RA 1 renders GPWS Modes 1-5 inoperative.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
34-42-02	Automatic Callout System	C	1	0	May be inoperative provided approach minimums do not require its use.	
34-42-04	Altitude Alerting System	A	-	0	(O) May be inoperative provided: <ol style="list-style-type: none"> <li>a) Autopilot with altitude hold and altitude capture operates normally,</li> <li>b) Enroute operations (i.e., RVSM) do not require its use,</li> <li>c) Airplane does not depart from a designated airport (as listed in the operator's MEL) where repair or replacement can be made, and</li> <li>d) Repairs are made within 3 flight-days.</li> </ol>	
		C	-	1	All but one may be inoperative.	
1)	Aural Alert	C	-	0	May be inoperative provided: <ol style="list-style-type: none"> <li>a) Visual alert operates normally, and</li> <li>b) Autopilot with altitude hold and altitude capture operates normally.</li> </ol>	
2)	Visual Alert	C	-	0	May be inoperative provided: <ol style="list-style-type: none"> <li>a) Aural alert operates normally, and</li> <li>b) Autopilot with altitude hold and altitude capture operates normally.</li> </ol>	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
34-43-01	Traffic Alert and Collision Avoidance System (TCAS II)	B	1	0	(M) May be inoperative provided: <ul style="list-style-type: none"> <li>a) System is deactivated and secured, and</li> <li>b) Enroute or approach procedures do not require its use.</li> </ul> <p>NOTE 1: For aircraft equipped with Mod. 34637/MP P8454 (T2CAS), GPWS Modes 1-5 and GPWS Terrain System are also inoperative.</p> <p>NOTE 2: For aircraft equipped with Mod. 150896/MP P11422, ADS-B In function (ATSAW) is considered inoperative.</p>	
		C	1	0	(M) May be inoperative provided: <ul style="list-style-type: none"> <li>a) Not required by 14 CFR,</li> <li>b) System is deactivated and secured, and</li> <li>c) Enroute or approach procedures do not require its use.</li> </ul> <p>NOTE 1: For aircraft equipped with Mod. 34637/MP P8454 (T2CAS), GPWS Modes 1-5 and GPWS Terrain System are also inoperative.</p> <p>NOTE 2: For aircraft equipped with Mod. 150896/MP P11422, ADS-B In function (ATSAW) is considered inoperative.</p>	
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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**34. Navigation**

Sequence No.	Item	1	2	3	4	Change Bar
34-43-01	Traffic Alert and Collision Avoidance System (TCAS II) (Cont'd)					
1)	Combined Traffic Alert (TA) and Resolution Advisory (RA) Dual Display System(s)	C	2	1	May be inoperative on the non-flying pilot side provided: <ol style="list-style-type: none"> <li>a) TA and RA visual display is operative on the flying pilot side, and</li> <li>b) TA and RA audio function is operative on flying pilot side.</li> </ol>	
2)	Resolution Advisory (RA) Display System(s)	C	2	1	(O) One may be inoperative on the non-flying pilot side.	
		C	-	0	(O) May be inoperative provided: <ol style="list-style-type: none"> <li>a) All Traffic Alert (TA) visual display and audio functions are operative,</li> <li>b) TA only Mode is selected by the crew, and</li> <li>c) Enroute or approach procedures do not require its use.</li> </ol>	
3)	Traffic Alert Display System(s)	C	-	0	(O) May be inoperative provided: <ol style="list-style-type: none"> <li>a) RA visual display and audio functions are operative, and</li> <li>b) Enroute or approach procedures do not require its use.</li> </ol>	
4)	Audio Functions	B	1	0	May be inoperative provided enroute or approach procedures do not require use of TCAS.	
5) ***	Airspace Selection Function	C	-	0	One or more may be inoperative.	

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**34. Navigation**

Sequence No.	Item	1	2	3	4	Change Bar
34-48-01	Ground Proximity Warning System (GPWS)	A	1	0	(O) May be inoperative provided: a) Alternate procedures are established and used, and b) Repairs are made within 2 flight-days.  NOTE: For aircraft equipped with Mod. 155269/MP P12511, ROW/ROP function is considered inoperative.	
1)	Modes 1–4	A	4	0	(O) May be inoperative provided: a) Alternate procedures are established and used, and b) Repairs are made within 2 flight-days.	
2)	Test Mode	A	1	0	May be inoperative provided: a) GPWS is considered inoperative, and b) Repairs are made within 2 flight-days.	
3)	Glideslope Deviation (Mode 5)	C	2	1	One may be inoperative.	
		B	2	0	One or both may be inoperative.	
4) ***	Advisory Callouts	B	-	0	(O) May be inoperative provided alternate procedures are established and used.	
		C	-	0	(O) May be inoperative provided: a) Advisory callout not required by 14 CFR, and b) Alternate procedures are established and used.	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**34. Navigation**

Sequence No.	Item	1	2	3	4	Change Bar
34-48-01	Ground Proximity Warning System (GPWS) (Cont'd)					
5) ***	Terrain Awareness and Warning System (TERR)					
a)	Terrain System-Forward Looking Terrain Avoidance (FLTA) and Premature Descent Alert (PDA Functions)	B	1	0	(O) May be inoperative provided alternate procedures are established and used.  NOTE: For aircraft equipped with Mod. 155269/MP P12511, ROW/ROP function is considered inoperative.	
b)	Terrain Displays (TERR ON ND)	C	2	1	One may be inoperative.	
		B	2	0	Both may be inoperative.	
c)	TERR on ND pb-sw ON Light	C	2	0	One or both may be inoperative.	
6) ***	Runway Awareness and Advisory System (RAAS)	C	1	0	One may be inoperative.	
34-48-02	GPWS SYS pb-sw FAULT Light	C	1	0	May be inoperative.	
34-48-03	GPWS SYS pb-sw OFF Light	A	1	0	May be inoperataive provided: a) GPWS Modes 1-5 and GPWS Terrain System are considered inoperative, and b) Repairs are made within 2 flight-days.	
34-48-04	GPWS G/S MODE pb-sw OFF Light	A	1	0	May be inoperataive provided: a) GPWS Modes 1-5 are considered inoperative, and b) Repairs are made within 2 flight-days.	

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AIRCRAFT:  
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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**34. Navigation**

Sequence No.	Item	1	2	3	4	Change Bar
34-48-05	GPWS FLAP MODE pb-sw OFF Light	C	1	0	May be inoperative.	
34-48-06	GPWS LDG FLAP 3 pb-sw ON Light	C	1	0	May be inoperative.	
34-48-07 ***	GPWS TERR pb-sw FAULT Light	C	1	0	May be inoperative.	
34-48-08 ***	GPWS TERR pb-sw OFF Light	C	1	0	May be inoperative.	
34-51-01	DME	C	2	-	Any in excess of those required by 14 CFR may be inoperative.	
34-52-01	ATC Transponders and Automatic Altitude Reporting Systems	B	-	0	May be inoperative provided: a) Operations do not require its use, and b) Prior to flight, approval is obtained from ATC facilities having jurisdiction over the planned route of flight.	
		D	-	1	Any in excess of those required by 14 CFR may be inoperative.	
1) ***	Elementary and Enhanced Downlink Aircraft Reportable Parameters Not Required by 14 CFR	A	-	0	May be inoperative provided: a) Operations do not require its use, and b) Repairs are made prior to completion of the next heavy maintenance visit.	
34-53-01	ADF System	D	-	-	Any in excess of those required by 14 CFR may be inoperative.	



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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**34. Navigation**

Sequence No.	Item	1	2	3	4	Change Bar
34-55-01	VOR Navigation	C	-	-	As required by 14 CFR.	
34-55-02	Marker Beacon	D	-	0	May be inoperative provided approach minimums do not require its use.	
34-55-03	Long Range Navigation Systems	D	-	-	Any in excess of those required by 14 CFR may be inoperative.	
34-55-04 ***	MLS				Deleted, Revision 28.	
34-57-01 ***	DDRMI					
1)	Compass Card	C	1	0	May be inoperative.	
2)	VOR Pointers	C	-	-	As required by 14 CFR.	
3)	DME Counters	C	-	0	As required by 14 CFR.	
4)	ADF Pointers	D	-	0	As required by 14 CFR.	
34-57-02 ***	Automatic Dependent Surveillance-Broadcast (ADS-B) System	B	-	0	(O) May be inoperative provided prior to flight, authorization is obtained from ATC facilities having jurisdiction over the planned route of flight using an approved authorization process.  NOTE: Any ADS-B function that operates normally may be used.	
		C	-	1	One may be inoperative.	
		D	-	0	May be inoperative provided: a) Enroute operations do not require its use, and b) It is not required by 14 CFR.  NOTE: Any ADS-B function that operates normally may be used.	
(Continued)						

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**34. Navigation**

Sequence No.	Item	1	2	3	4	Change Bar
34-57-02 ***	Automatic Dependent Surveillance-Broadcast (ADS-B) System (Cont'd)					
1) ***	ADS-B Out Extended Squitter Transmissions	B	-	0	(O) May be inoperative provided prior to flight, authorization is obtained from ATC facilities having jurisdiction over the planned route of flight using an approved authorization process.  NOTE: Any ADS-B function that operates normally may be used.	
		C	-	1	One may be inoperative.	
		D	-	0	May be inoperative provided: a) Enroute operations do not require its use, and b) It is not required by 14 CFR.  NOTE: Any ADS-B function that operates normally may be used	
2) ***	ADS-B Out UAT Transmissions	B	-	0	(O) May be inoperative provided prior to flight, authorization is obtained from ATC facilities having jurisdiction over the planned route of flight using an approved authorization process.  NOTE: Any ADS-B Out function that operates normally may be used.	
		C	-	1	One may be inoperative.	
(Continued)						

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**34. Navigation**

Sequence No.	Item	1	2	3	4	Change Bar
34-57-02 ***	Automatic Dependent Surveillance-Broadcast (ADS-B) System (Cont'd)					
2) ***	ADS-B Out UAT Transmissions (Cont'd)	D	-	0	May be inoperative provided: a) Enroute operations do not require its use, and b) It is not required by 14 CFR.  NOTE: Any ADS-B Out function that operates normally may be used	
3) ***	ADS-B In Transmissions	C	-	0	(O) May be inoperative provided alternate procedures are established and used.  NOTE: Any ADS-B In function that operates normally may be used.	
		D	-	0	May be inoperative provided operations do not require its use.  NOTE: Any ADS-B function that operates normally may be used.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
----------------------------------	--

### 34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
34-58-01 ***	Global Positioning System					
1)	Aircraft not equipped with ADS-B Out Function					
a)	Without VOR/MKR function activated on iMMR (Mod 160752/ MP P15847) or on GLU2100 (Mod 160749/ MP P15844)	C	2	1	(O) May be inoperative provided alternate procedures are established and used.	
		C	2	0	(O) May be inoperative provided: a) Alternate procedures are established and used, and b) One DME is operative.	
		D	2	0	May be inoperative provided procedures do not require its use.	
b)	With VOR/MKR function activated on iMMR (Mod 160752/ MP P15847) or on GLU2100 (Mod 160749/ MP P15844)	C	2	1	(O) May be inoperative provided alternate procedures are established and used.	
		C	2	0	(O) May be inoperative provided: a) Both ILS are operative, b) One DME is operative, and c) Alternate procedures are established and used.	
		C	2	0	(O) May be inoperative provided: A One VOR is checked operative, b) One DME is operative, and c) Alternate procedures are established and used.	
(Continued)						

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**34. Navigation**

Sequence No.	Item	1	2	3	4	Change Bar
34-58-01 ***	Global Positioning System (Cont'd)					
2)	Aircraft equipped with ADS-B Out Function compliant with DO260 or DO260B					
a)	Without VOR/MKR function activated on iMMR (Mod 160752/MP P15847) or on GLU2100 (Mod 160749/MP P15844)	C	2	1	(O) May be inoperative provided alternate procedures are established and used.	
		C	2	0	(O) May be inoperative provided: a) Alternate procedures are established and used, and b) One DME is operative.  NOTE: If no GPS is available, ADS-B Transmissions are considered inoperative.	
		D	2	0	May be inoperative provided procedures do not require its use.  NOTE: If no GPS is available, ADS-B Transmissions are considered inoperative.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
----------------------------------	--

### 34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
34-58-01 ***	Global Positioning System (Cont'd)					
2)	Aircraft equipped with ADS-B Out Function compliant with DO260 or DO260B (Cont'd)					
b)	With VOR/MKR function activated on iMMR (Mod 160752/MP P15847) or on GLU2100 (Mod 160749/MP P15844)	C	2	1	(O) May be inoperative provided alternate procedures are established and used.	
		C	2	0	(O) May be inoperative provided: a) Both ILS are operative, b) One DME is operative, and c) Alternate procedures are established and used.	
					NOTE: If no GPS is available, ADS-B Transmissions are considered inoperative.	
		C	2	0	(O) May be inoperative provided: a) One VOR is checked operative, b) One DME is operative, and c) Alternate procedures are established and used.	
					NOTE: If no GPS is available, ADS-B Transmissions are considered inoperative.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
34-58-01 ***	Global Positioning System (Cont'd)					
3)	Aircraft equipped with ADS-B Out Function compliant with DO260A					
a)	Without VOR/MKR function activated on iMMR (Mod 160752/MP P15847) or on GLU2100 (Mod 160749/MP P15844)	C	2	1	(O) May be inoperative provided alternate procedures are established and used.  NOTE: If GPS 1(2) and FMGC 2(1) are inoperative, ADS-B Transmissions are considered inoperative.	
		C	2	0	(O) May be inoperative provided: a) Alternate procedures are established and used, and b) One DME is operative.  NOTE: If GPS 1(2) and FMGC 2(1) are inoperative, ADS-B Transmissions are considered inoperative.	
		D	2	0	May be inoperative provided procedures do not require its use.  NOTE: If GPS 1(2) and FMGC 2(1) are inoperative, ADS-B Transmissions are considered inoperative.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 34. Navigation

Sequence No.	Item	1	2	3	4	Change Bar
34-58-01 ***	Global Positioning System (Cont'd)					
3)	Aircraft equipped with ADS-B Out Function compliant with DO260A (Cont'd)					
b)	With VOR/MKR function activated on iMMR (Mod 160752/MP P15847) or on GLU2100 (Mod 160749/MP P15844)	C	2	1	(O) May be inoperative provided alternate procedures are established and used.  NOTE: If no GPS is available, ADS-B Transmissions are considered inoperative.	
		C	2	0	(O) May be inoperative provided: a) Both ILS are operative, b) One DME is operative, and c) Alternate procedures are established and used.  NOTE: If no GPS is available, ADS-B Transmissions are considered inoperative.	
		C	2	0	(O) May be inoperative provided: a) One VOR is checked operative, b) One DME is operative, and c) Alternate procedures are established and used.  NOTE: If no GPS is available, ADS-B Transmissions are considered inoperative.	



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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**34. Navigation**

Sequence No.	Item	1	2	3	4	Change Bar
34-61-01	Navigation Databases	A	-	0	May be inoperative provided: <ol style="list-style-type: none"> <li>a) Operations do not require its use,</li> <li>b) It is not used in a primary navigation system required by 14 CFR,</li> <li>c) Alternate procedures are developed and used,</li> <li>d) The ICAO Flight Plan is updated (as required) to notify ATC of the navigation equipment status of the aircraft, and</li> <li>e) It is repaired within 10 flight-days.</li> </ol> <p>NOTE: An out-of-currency or out-of-date navigation database is not authorized MMEL relief per 14 CFR.</p>	

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**35. Oxygen**

Sequence No.	Item	1	2	3	4	Change Bar
35-10-04	Exterior Oxygen Overpressure Indicator Disc (Green Disc)	C	1	0	(O) May be damaged or missing.	
35-13-01	Indications on DOOR/OXY ECAM Page					
1)	OXY High Pressure Indication					
	A318/A319/A320/A321 without Mod. 161337/MP K17059	C	1	0	(M)(O) May be inoperative provided: a) The oxygen pressure is verified by direct reading before each departure, b) The oxygen pressure is sufficient for the intended flight, and c) The REGUL LO PR indication is operative.	
	A318/A319/A320/A321 with Mod. 161337/MP K17059	C	2	0	(M)(O) May be inoperative provided: a) The oxygen pressure is verified by direct reading before each departure, b) The oxygen pressure is sufficient for the intended flight, and c) The REGUL 1(2)(1+2) LO PR indication is operative.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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### 35. Oxygen

Sequence No.	Item	1	2	3	4	Change Bar
35-13-01	Indications on DOOR/OXY ECAM Page (Cont'd)					
2)	REGUL LO PR Indication					
	A318/A319/A320/A321 without Mod. 161337/MP K17059	C	1	0	(M)(O) May be inoperative provided the oxygen pressure is verified before each departure.	
3)	REGUL 1(2)(1+2) LO PR Indication					
	A318/A319/A320/A321 with Mod. 161337/MP K17059	C	3	0	(M)(O) One or more may be inoperative provided the oxygen pressure is verified before each departure.	
35-13-02	Crew Supply pb Switch					
1)	OFF Light	C	1	0	May be inoperative.	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**35. Oxygen**

Sequence No.	Item	1	2	3	4	Change Bar
35-21-01	Passenger Oxygen Storage					
1)	Passenger Oxygen Modules	B	-	-	May be inoperative provided associated seats are placarded "DO NOT OCCUPY".	
		B	-	-	(O) Modules may be inoperative provided airplane remains at or below FL 250.	
2)	Flight Attendant Oxygen Module	B	-	-	May be inoperative provided associated flight attendant seat(s) is considered inoperative.	
		B	-	-	(O) Modules may be inoperative provided airplane remains at or below FL 250.	
3) ***	Galley Modules	B	-	-	(O) May be inoperative and associated galley occupied provided airplane remains at or below FL 250.	
		B	-	-	May be inoperative and associated galley occupied provided a portable oxygen bottle and mask are available for the associated galley occupant.	
35-21-02	Lavatory Oxygen Module	B	-	-	(M) May be inoperative provided lavatory is placarded "INOPERATIVE – DO NOT OCCUPY".	
35-23-01	Passenger Oxygen Manual Control System	C	1	0	(O) May be inoperative provided airplane remains at or below FL 250.	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**35. Oxygen**

Sequence No.	Item	1	2	3	4	Change Bar
35-23-02	Passenger Oxygen AUTO Control System	C	1	0	(M)(O) May be inoperative provided: a) Airplane remains at or below FL 300, and b) Passenger oxygen manual control system is verified to operate normally.	
		C	1	0	(O) May be inoperative provided airplane remains at or below FL 250.	
35-23-03	PASSENGER SYS ON Light	C	1	0	May be inoperative.	
35-23-04 ***	HI ALT LANDING pb-sw ON Light	C	1	0	May be inoperative.	
35-23-05 ***	HI ALT LANDING pb-sw	C	1	0	(M)(O) May be inoperative provided that the passenger oxygen AUTO control is verified operative.	
		C	1	0	May be inoperative provided that the passenger oxygen AUTO control is considered inoperative.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
----------------------------------	--

### 35. Oxygen

Sequence No.	Item	1	2	3	4	Change Bar
35-31-01	Portable Oxygen Bottles or Units (Including Masks and Hoses)	D	-	-	(M) Any in excess of those required by 14 CFR may be inoperative or removed provided: <ol style="list-style-type: none"> <li>a) An inoperative or not properly serviced portable oxygen bottle/unit remains in a certified location until removed or serviced at the next suitable maintenance facility,</li> <li>b) Location placarding is removed or obscured, and</li> <li>c) Required distribution is maintained.</li> </ol> <p>NOTE 1: Inoperative portable oxygen bottles or units, removed from a certified location or removed from the aircraft, are subject to 49 CFR dangerous goods regulations.</p> <p>NOTE 2: Medical equipment installed in the aircraft as part of an EMS operations is not considered part of the normal complement of equipment. No MMEL relief applies to that equipment and 14 CFR maintenance and inspection requirements do not apply.</p>	
1) ***	Tamper seals or Tags	C	-	-	(O) May be inoperative, damaged, or missing provided proper installation and servicing is verified at each preflight.	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**35. Oxygen**

Sequence No.	Item	1	2	3	4	Change Bar
35-32-01	Portable Protective Breathing Equipment (PBE)	D	-	-	Any in excess of those required by 14 CFR may be inoperative or removed provided: <ul style="list-style-type: none"> <li>a) Inoperative PBE remains in a certified location until removed from the aircraft at the next suitable maintenance facility,</li> <li>b) Location placarding is removed or obscured, and</li> <li>c) Required distribution is maintained.</li> </ul> <p>NOTE: Inoperative PBE units removed from a certified location, or removed from the aircraft, are subject to 49 CFR dangerous goods regulations.</p>	
1) ***	Tamper seals or Tags	C	-	-	(O) May be inoperative, damaged, or missing provided proper installation and servicing is verified at each preflight.	

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AIRCRAFT:  
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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**36. Pneumatic**

Sequence No.	Item	1	2	3	4	Change Bar
36-00	CLASS II MAINTENANCE MESSAGES DISPLAYED ON ECAM STATUS PAGE OF ECAM SYSTEM DISPLAY					
1)	Fault(s) Indicated by AIR BLEED					
a)	A318/A319ceo/A320ceo/ A321ceo Aircraft with Mod. 36595/ MP P9594 and without Mod. 161397/ MP P14826	C	-	-	(M) May be displayed provided it is verified that the CFDS does not report a fault on APU Leak detection loop.	
		C	-	-	May be displayed provided APU Leak detection loop is considered inoperative.	
					NOTE: Dispatch with this maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
					(Continued)	



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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**36. Pneumatic**

Sequence No.	Item	1	2	3	4	Change Bar
36-36-00	CLASS II MAINTENANCE MESSAGES DISPLAYED ON ECAM STATUS PAGE OF ECAM SYSTEM DISPLAY (Cont'd)					
1)	Fault(s) Indicated by AIR BLEED (Cont'd)					
b)	A318/A319ceo/A320ceo/ A321ceo without Mod. 36595/MP P9594	C	-	-	(M) May be displayed provided it is verified that the CFDS does not report a fault on BMC, pylon leak detection loop, or APU Leak detection loop.	
		C	-	-	(M) May be displayed provided: a) Verify CFDS does not report faults on BMC 1, LH pylon leak detection loop, or the APU Leak detection loop, b) If CFDS reports a fault on BMC 2, BMC 2 is considered inoperative, and c) If CFDS reports a fault on RH pylon leak detection loop, RH pylon leak detection loop is considered inoperative.	
(Continued)						

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**36. Pneumatic**

Sequence No.	Item	1	2	3	4	Change Bar
36-00	CLASS II MAINTENANCE MESSAGES DISPLAYED ON ECAM STATUS PAGE OF ECAM SYSTEM DISPLAY (Cont'd)					
1)	Fault(s) Indicated by AIR BLEED (Cont'd)					
b)	A318/A319ceo/A320ceo/ A321ceo without Mod. 36595/MP P9594 (Cont'd)	C	-	-	(M) May be displayed provided: a) Verify CFDS does not report faults on BMC 2 or RH pylon leak detection loop, b) If CFDS reports a fault on BMC 1, BMC 1 is considered inoperative, c) If CFDS reports a fault on LH pylon leak detection loop, LH pylon leak detection loop is considered inoperative, and d) If CFDS reports a fault on APU leak detection loop, APU leak detection loop is considered inoperative.	
c)	A319neo/A320neo/ A321neo or A318/A319ceo/ A320ceo/A321ceo aircraft with Mod. 36595/MP P9594 and Mod. 161397/ MP P14826	C	-	-	NOTE: Dispatch with maintenance status message displayed on ECAM is permitted without CFDS interrogation.	

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

### 36. Pneumatic

Sequence No.	Item	1	2	3	4	Change Bar
36-11-01	Bleed Air Supply Systems					
1)	A318/A319ceo/A320ceo/A321ceo Aircraft with or without Mod. 31283/MP P7125 or A319neo/A320neo/A321neo	C	2	1	(O) Except for ETOPS beyond 120 minutes, one may be inoperative provided: a) The associated ENG BLEED pb-sw is selected OFF, b) The aircraft is not operated in known or forecast icing conditions, c) Airplane remains at or below FL 310, and d) The X-BLEED valve selector switch is selected OPEN.	
2)	A318/A320ceo/A321ceo with Mod. 31283/MP P7125 or A320neo/A321neo	C	2	1	(O) Except for ETOPS beyond 120 minutes, one may be inoperative provided: a) The associated ENG BLEED pb-sw is selected OFF, b) The aircraft is not operated in known or forecast icing conditions, c) The speedbrakes are operative, and d) The X-BLEED valve selector switch is selected OPEN.	
3)	A319ceo with Mod. 31283/MP P7125 or A319neo	C	2	1	(O) Except for ETOPS beyond 120 minutes, one may be inoperative provided: a) The associated ENG BLEED pb-sw is selected OFF, b) The aircraft is not operated in known or forecast icing conditions, c) Airplane remains at or below FL 370, d) The speedbrakes are operative, and e) The X-BLEED valve selector switch is selected OPEN.	
(Continued)						

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AIRCRAFT:  
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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**36. Pneumatic**

Sequence No.	Item	1	2	3	4	Change Bar
36-11-01	Bleed Air Supply Systems (Cont'd)					
4)	A318 with Mod. 31283/MP P7125	C	2	1	(O) Except for ETOPS beyond 120 minutes, one may be inoperative provided: a) The associated ENG BLEED pb-sw is selected OFF, b) The aircraft is not operated in known or forecast icing conditions, c) Airplane remains at or below FL 350, d) The speedbrakes are operative, and e) The X-BLEED valve selector switch is selected OPEN.	
36-11-02	Bleed Valves (PRV)	C	2	1	(M)(O) Except for ETOPS beyond 120 minutes, one may be inoperative secured closed provided associated bleed air supply system is considered inoperative.	

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**36. Pneumatic**

Sequence No.	Item	1	2	3	4	Change Bar
36-11-03	Overpressure Valves					
1)	A318/A319ceo/A320ceo A321ceo	C	2	1	(O) One may be inoperative closed provided associated bleed air supply system is considered inoperative.	
		C	2	0	May be inoperative in open position provided ENG BLEED FAULT or ENG BLEED ABNORM PR cautions were not triggered during previous flight.	
2)	A319neo/A320neo/ A321neo with PW 1100G Engines	C	2	1	(O) One may be inoperative in the open position provided associated bleed air supply system is considered inoperative.	
		C	2	0	May be inoperative in open position provided ENG BLEED FAULT or ENG BLEED ABNORM PR cautions were not triggered during previous flight.	
3)	A319neo/A320neo/ A321neo with CFM LEAP-1A Engines	C	2	1	(O) One may be inoperative in open position provided associated bleed air supply system is considered inoperative.	
		C	2	0	May be inoperative in open position provided ENG BLEED FAULT or ENG BLEED ABNORM PR cautions were not triggered during previous flight.	
		C	2	1	(M) One may be inoperative provided: a) Affected valve is deactivated in open position, and b) Associated bleed air supply system is considered inoperative.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**36. Pneumatic**

Sequence No.	Item	1	2	3	4	Change Bar
36-11-04	Fan Air Valves (FAV)	C	2	1	(O) Except for ETOPS beyond 120 minutes, one may be inoperative provided associated bleed air supply system is not used.	
36-11-05	Bleed Air Precooler Exchangers	C	2	1	(O) Except for ETOPS beyond 120 minutes, one may be inoperative provided associated bleed air supply system is not used.	
36-11-06	Intermediate Pressure Check Valves (IP)	C	2	1	(O) One may be inoperative provided associated bleed air supply system is considered inoperative.	
		C	2	1	(M)(O) One may be inoperative in open position provided: a) Associated HP valve is secured closed, and b) Opposite bleed air supply system is operative.	
36-11-07	High Pressure Valves (HPV)	C	2	1	(O) One may be inoperative in closed position provided associated bleed air supply system is considered inoperative.	
		C	2	1	(M)(O) One may be inoperative provided: a) Affected HP valve is secured closed, and b) Opposite bleed air supply system is operative.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**36. Pneumatic**

Sequence No.	Item	1	2	3	4	Change Bar
36-11-08	Bleed Monitoring Computer (BMC)					
1)	A318/A319ceo/A320ceo/A321ceo Aircraft Fitted with Mod. 33844/MP P8341 or Mod. 33847/MP P8340 or Mod. 33687/MP P8297 or A319neo/A320neo/A321neo					
a)	BMC 1	C	1	0	Except for ETOPS beyond 120 minutes, may be inoperative provided: <ol style="list-style-type: none"> <li>a) BMC 2 is operative, and</li> <li>b) APU leak detection loop is considered inoperative.</li> </ol>	
		C	1	0	(M) Except for ETOPS beyond 120 minutes, may be inoperative provided: <ol style="list-style-type: none"> <li>a) BMC 2 is operative,</li> <li>b) Associated Bleed air supply system is considered inoperative,</li> <li>c) APU check valve is removed and replaced by a blanking cap, and</li> <li>d) APU air supply system is considered inoperative.</li> </ol>	
(Continued)						

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**36. Pneumatic**

Sequence No.	Item	1	2	3	4	Change Bar
36-11-08	Bleed Monitoring Computer (BMC) (Cont'd)					
1)	A318/A319ceo/A320ceo/ A321ceo Aircraft Fitted with Mod. 33844/ MP P8341 or Mod. 33847/ MP P8340 or Mod. 33687/ MP P8297 or A319neo/A320neo/ A321neo (Cont'd)					
a)	BMC 1 (Cont'd)	B	1	0	(M) Except for ETOPS beyond 120 minutes, may be inoperative provided: a) BMC 2 is operative, b) Associated Bleed air supply system is considered inoperative, c) APU check valve is checked operative, d) AIR APU BLEED LEAK alert was not displayed during the previous flight, and e) APU air supply system is considered inoperative.	
b)	BMC 2	C	1	0	Except for ETOPS beyond 120 minutes, may be inoperative provided: a) BMC 1 is operative, and b) Associated Bleed air supply system is considered inoperative.	
(Continued)						



AIRCRAFT:		TABLE KEY			
Airbus A320		1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS			
<b>36. Pneumatic</b>					
Sequence No.	Item	1	2	3	4
36-11-08	Bleed Monitoring Computer (BMC) (Cont'd)				
2)	A318/A319ceo/A320ceo/A321ceo Aircraft Fitted without Mod. 33844/MP P8341 or Mod. 33847/MP P8340 or Mod. 33687/MP P8297				
a)	BMC 1	C	1	0	(O) Except for ETOPS beyond 120 minutes, may be inoperative provided: a) BMC 2 is operative, b) Associated BLEED pb-sw is set to OFF, c) Associated PACK pb-sw is set to OFF, d) X-BLEED selector is set to SHUT, e) APU bleed leak detection loop is considered inoperative, f) Aircraft is not operated in known or forecast icing conditions, and g) Airplane remains at or below FL 310.
b)	BMC 2	C	1	0	(O) Except for ETOPS beyond 120 minutes, may be inoperative provided: a) BMC 1 is operative, b) Associated BLEED pb-sw is set to OFF, c) Associated PACK pb-sw is set to OFF, d) X-BLEED selector is set to SHUT, e) Aircraft is not operated in known or forecast icing conditions, and f) Airplane remains at or below FL 310.
(Continued)					

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

### 36. Pneumatic

Sequence No.	Item	1	2	3	4	Change Bar
36-11-08	Bleed Monitoring Computer (BMC) (Cont'd)					
3)	A320ceo/A321ceo Aircraft Fitted with Mod. 31283/MP P7125 and without Mod. 33844/MP P8341 or Mod. 33847/MP P8340					
a)	BMC 1	C	1	0	(O) Except for ETOPS beyond 120 minutes, may be inoperative provided: a) BMC 2 is operative, b) Associated BLEED pb-sw is set to OFF, c) Associated PACK pb-sw is set to OFF, d) X-BLEED selector is set to SHUT, e) APU bleed leak detection loop is considered inoperative, f) Aircraft is not operated in known or forecast icing conditions, and g) Speedbrakes are operative.	
b)	BMC 2	C	1	0	(O) Except for ETOPS beyond 120 minutes, may be inoperative provided: a) BMC 1 is operative, b) Associated BLEED pb-sw is set to OFF, c) Associated PACK pb-sw is set to OFF, d) X-BLEED selector is set to SHUT, e) Aircraft is not operated in known or forecast icing conditions, and f) Speedbrakes are operative.	
					(Continued)	

AIRCRAFT:		TABLE KEY			
Airbus A320		1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS			
<b>36. Pneumatic</b>					
Sequence No.	Item	1	2	3	4
36-11-08	Bleed Monitoring Computer (BMC) (Cont'd)				
4)	A319ceo Aircraft Fitted with Mod. 31283/MP P7125 and without Mod. 33844/MP P8341 or Mod. 33847/MP P8340				
a)	BMC 1	C	1	0	(O) Except for ETOPS beyond 120 minutes, may be inoperative provided: a) BMC 2 is operative, b) Associated BLEED pb-sw is set to OFF, c) Associated PACK pb-sw is set to OFF, d) X-BLEED selector is set to SHUT, e) APU bleed leak detection loop is considered inoperative, f) Aircraft is not operated in known or forecast icing conditions, g) Airplane remains at or below FL 370, and h) Speedbrakes are operative.
b)	BMC 2	C	1	0	(O) Except for ETOPS beyond 120 minutes, may be inoperative provided: a) BMC 1 is operative, b) Associated BLEED pb-sw is set to OFF, c) Associated PACK pb-sw is set to OFF, d) X-BLEED selector is set to SHUT, e) Aircraft is not operated in known or forecast icing conditions, f) Airplane remains at or below FL 370, and g) Speedbrakes are operative.
(Continued)					

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**36. Pneumatic**

Sequence No.	Item	1	2	3	4	Change Bar
36-11-08	Bleed Monitoring Computer (BMC) (Cont'd)					
5)	A318 Aircraft Fitted with Mod. 31283/MP P7125 and without Mod. 33844/MP P8341 or Mod. 33687/MP P8297					
a)	BMC 1	C	1	0	(O) Except for ETOPS beyond 120 minutes, may be inoperative provided: a) BMC 2 is operative, b) Associated BLEED pb-sw is set to OFF, c) Associated PACK pb-sw is set to OFF, d) X-BLEED selector is set to SHUT, e) APU bleed leak detection loop is considered inoperative, f) Aircraft is not operated in known or forecast icing conditions, g) Airplane remains at or below FL 350, and h) Speedbrakes are operative.	
b)	BMC 2	C	1	0	(O) Except for ETOPS beyond 120 minutes, may be inoperative provided: a) BMC 1 is operative, b) Associated BLEED pb-sw is set to OFF, c) Associated PACK pb-sw is set to OFF, d) X-BLEED selector is set to SHUT, e) Aircraft is not operated in known or forecast icing conditions, f) Airplane remains at or below FL 350, and g) Speedbrakes are operative.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**36. Pneumatic**

Sequence No.	Item	1	2	3	4	Change Bar
36-12-01	APU Bleed Air Supply System	C	1	0	(O) May be inoperative provided APU BLEED switch remains OFF.  NOTE: APU can be used for electrical power.	
36-12-02	APU Bleed Valve					
1)	A318/A319/A320/A321 without Mod. 163213/MP J4530	C	1	0	(M)(O) May be inoperative deactivated in the closed position provided APU bleed switch is selected OFF.  NOTE: APU can be used for electrical power.	
		C	1	0	(O) May be inoperative in the open position provided APU is not used in flight.	
2)	A321 with Mod. 163213/MP J4530 and without Mod. 162739/MP J4335	C	1	0	(M)(O) May be inoperative deactivated in the closed position provided APU bleed switch is selected OFF.  NOTE: APU can be used for electrical power.	
		C	1	0	(O) Except for ETOPS, may be inoperative in the open position provided: a) APU is not used in flight, and b) FWD ACT is empty or not installed.	
		A	1	0	(M)(O) Except for ETOPS beyond 120 minutes, may be inoperative in the open position provided: a) APU is not used in flight, b) FWD ACT is empty or not installed, and c) Repairs are made within 4 flight-legs.	
(Continued)						

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DATE: XX/XX/XXXX

AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**36. Pneumatic**

Sequence No.	Item	1	2	3	4	Change Bar
36-12-02	APU Bleed Valve (Cont'd)					
3)	A321 with Mod. 163213/MP J4530 and with Mod. 162739/MP J4335	C	1	0	(M)(O) May be inoperative deactivated in the closed position provided APU bleed switch is selected OFF.  NOTE: APU can be used for electrical power.	
		C	1	0	(O) Except for ETOPS, may be inoperative in the open position provided: a) APU is not used in flight, and b) AFT 2 ACT is empty or not installed.	
		A	1	0	(M)(O) Except for ETOPS beyond 120 minutes, may be inoperative in the open position provided: a) APU is not used in flight, b) AFT 2 ACT is empty or not installed, and c) Repairs are made within 4 flight-legs.	
36-12-03	APU Bleed Check Valve	C	1	0	(O) May be inoperative closed provided APU bleed switch is selected OFF.	
		C	1	0	(O) May be inoperative open and APU used provided: a) Airplane remains at or below FL 200, and b) X BLEED selector is selected SHUT and ENG 1 bleed is selected OFF if engine bleed is used.	
		C	1	0	(O) May be inoperative open provided APU is not used.	

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DATE: XX/XX/XXXX

AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**36. Pneumatic**

Sequence No.	Item	1	2	3	4	Change Bar
36-12-04	Cross Bleed Valve					
1)	Automatic Control	C	1	0	(O) May be inoperative provided manual control operates normally.	
2)	Manual Control	C	1	0	(O) Except for ETOPS beyond 120 minutes, may be inoperative provided: <ul style="list-style-type: none"> <li>a) Automatic control is verified to operate normally before each flight,</li> <li>b) APU bleed is operative for engine start,</li> <li>c) Aircraft is not operated in known or forecast icing conditions,</li> <li>d) Both bleed air supply systems operate normally, and</li> <li>e) Both air conditioning packs operate normally.</li> </ul>	
36-20-01	ENG BLEED pb Switch					
1)	FAULT Lights	C	2	0	May be inoperative provided alternate procedures are established and used.	
2)	OFF Lights	C	2	0	One or both may be inoperative.	
36-20-02	APU BLEED pb Switch					
1)	FAULT Light	C	1	0	May be inoperative.	
2)	On Light	C	1	0	May be inoperative.	
36-20-03	ECAM BLEED Page Indications					
1)	ENG BLEED Pressure	C	2	0	One or both may be inoperative.	
2)	ENG BLEED Temperature	C	2	0	One or both may be inoperative.	
3)	ENG BLEED Valve	C	2	0	One or both may be inoperative.	
4)	ENG HP Valve	C	2	0	One or both may be inoperative.	
(Continued)						

AIRCRAFT:		TABLE KEY			
Airbus A320		1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS			
<b>36. Pneumatic</b>					
Sequence No.	Item	1	2	3	4
36-20-03	ECAM BLEED Page Indications (Cont'd)				
5)	APU BLEED Valve	C	1	0	May be inoperative provided the Cross Bleed valve automatic control is considered inoperative.
6)	X BLEED Valve	C	1	0	May be inoperative.
36-22-15	Pylon Leak Detection Loops				
1)	A318/A319ceo/A320ceo/A321ceo Aircraft with Mod. 33844/MP P8341 or Mod. 33847/MP P8340, or Mod. 33687/MP P8297	C	2	1	(M) One may be inoperative provided: a) Associated pylon leak detection loop is deactivated, b) If displayed during previous flight, AIR ENG 1(2) BLEED LEAK caution is confirmed to be false by troubleshooting, and c) Affected bleed air supply system is considered inoperative.
2)	A318/A319ceo/A320ceo/A321ceo Aircraft without Mod. 33844/MP P8341, or Mod. 33847/MP P8340 or Mod. 33687/MP P8297	C	2	1	(M)(O) Except for ETOPS, one may be inoperative provided: a) Associated pylon leak detection loop is deactivated, b) Associated BLEED pb-sw is set to OFF, c) Associated PACK pb-sw is set to OFF, d) X-BLEED selector is set to SHUT, e) APU BLEED pb-sw is set to OFF if LH side is affected, f) Aircraft is not operated in known or forecast icing conditions, and g) Airplane remains at or below FL 310.
(Continued)					



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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**36. Pneumatic**

Sequence No.	Item	1	2	3	4	Change Bar
36-22-15	Pylon Leak Detection Loops (Cont'd)					
3)	A320ceo/A321ceo Aircraft with Mod. 31283/MP P7125 and without Mod. 33844/MP P8341 or Mod. 33847/MP P8340	C	2	1	(M)(O) Except for ETOPS, one may be inoperative provided: a) Associated pylon leak detection loop is deactivated, b) Associated BLEED pb-sw is set to OFF, c) Associated PACK pb-sw is set to OFF, d) X-BLEED selector is set to SHUT, e) APU BLEED pb-sw is set to OFF if LH side is affected, f) Aircraft is not operated in known or forecast icing conditions, and g) Speedbrakes are operative.	
4)	A319ceo Aircraft with Mod. 31283/MP P7125 and without Mod. 33844/MP P8341 or Mod. 33847/MP P8340	C	2	1	(M)(O) Except for ETOPS, one may be inoperative provided: a) Associated pylon leak detection loop is deactivated, b) Associated BLEED pb-sw is set to OFF, c) Associated PACK pb-sw is set to OFF, d) X-BLEED selector is set to SHUT, e) APU BLEED pb-sw is set to OFF if LH side is affected, f) Aircraft is not operated in known or forecast icing conditions, g) Speedbrakes are operative, and h) Airplane remains at or below FL 370.	
(Continued)						

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**36. Pneumatic**

Sequence No.	Item	1	2	3	4	Change Bar
36-22-15	Pylon Leak Detection Loops (Cont'd)					
5)	A318 Aircraft with Mod. 31283/MP P7125 and without Mod. 33844/MP P8341 or Mod. 33847/MP P8340, or Mod. 33687/MP P8297	C	2	1	(M)(O) Except for ETOPS, one may be inoperative provided: a) Associated pylon leak detection loop is deactivated, b) Associated BLEED pb-sw is set to OFF, c) Associated PACK pb-sw is set to OFF, d) X-BLEED selector is set to SHUT, e) APU BLEED pb-sw is set to OFF if LH side is affected, f) Aircraft is not operated in known or forecast icing conditions, g) Speedbrakes are operative, and h) Airplane remains at or below FL 350.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**36. Pneumatic**

Sequence No.	Item	1	2	3	4	Change Bar
36-22-17	APU Leak Detection Loop	C	1	0	(M) May be inoperative provided: a) APU check valve is removed and replaced by a blanking cap, b) APU air supply system is considered inoperative, and c) The BMC 1 is operative.	
		B	1	0	(M) May be inoperative provided: a) APU check valve is checked operative, b) AIR APU BLEED LEAK alert was not displayed during the previous flight, c) APU air supply system is considered inoperative, and d) BMC 1 is operative.	
		C	1	0	(O) Except for ETOPS beyond 120 minutes, may be inoperative provided: a) AIR APU BLEED LEAK alert was not displayed during the previous flight, b) ENG 1 BLEED pb-sw is set to OFF, c) PACK 1 pb-sw is set to OFF, d) X-BLEED selector is set to SHUT, e) APU BLEED pb-sw is set to OFF, f) Aircraft is not operated in known or forecast icing conditions, and g) Airplane remains at or below FL 310.	
(Continued)						

### 36. Pneumatic

Sequence No.	Item	1	2	3	4	Change Bar
36-22-17	APU Leak Detection Loop (Cont'd)					
1)	A320ceo/A321ceo with Mod. 31283/MP P7125 or A320neo/A321neo	C	1	0	(O) Except for ETOPS beyond 120 minutes, may be inoperative provided: a) AIR APU BLEED LEAK alert was not displayed during the previous flight, b) ENG 1 BLEED pb-sw is set to OFF, c) PACK 1 pb-sw is set to OFF, d) X-BLEED selector is set to SHUT, e) APU BLEED pb-sw is set to OFF, f) Aircraft is not operated in known or forecast icing conditions, and g) Speedbrakes are operative.	
2)	A319ceo with Mod. 31283/MP P7125 or A319neo	C	1	0	(O) Except for ETOPS beyond 120 minutes, may be inoperative provided: a) AIR APU BLEED LEAK alert was not displayed during the previous flight, b) ENG 1 BLEED pb-sw is set to OFF, c) PACK 1 pb-sw is set to OFF, d) X-BLEED selector is set to SHUT, e) APU BLEED pb-sw is set to OFF, f) Aircraft is not operated in known or forecast icing conditions, g) Speedbrakes are operative, and h) Airplane remains at or below FL 370.	
(Continued)						

AIRCRAFT:		TABLE KEY			
Airbus A320		1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS			
36. Pneumatic					
Sequence No.	Item	1	2	3	4
36-22-17	APU Leak Detection Loop (Cont'd)				
3)	A318 with Mod. 31283/MP P7125	C	1	0	(O) Except for ETOPS beyond 120 minutes, may be inoperative provided: <ul style="list-style-type: none"> <li>a) AIR APU BLEED LEAK alert was not displayed during the previous flight,</li> <li>b) ENG 1 BLEED pb-sw is set to OFF,</li> <li>c) PACK 1 pb-sw is set to OFF,</li> <li>d) X-BLEED selector is set to SHUT,</li> <li>e) APU BLEED pb-sw is set to OFF,</li> <li>f) Aircraft is not operated in known or forecast icing conditions,</li> <li>g) Speedbrakes are operative, and</li> <li>h) Airplane remains at or below FL 350.</li> </ul>
36-22-18	AIR APU BLEED LEAK Caution on ECAM EWD	C	1	0	(M)(O) May be inoperative provided: <ul style="list-style-type: none"> <li>a) AIR APU BLEED LEAK caution is confirmed to be false by troubleshooting,</li> <li>b) APU leak detection loop is deactivated,</li> <li>c) APU check valve is removed and replaced by a blanking cap,</li> <li>d) APU air supply system is considered inoperative, and</li> <li>e) BMC 1 is operative.</li> </ul>
(Continued)					

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**36. Pneumatic**

Sequence No.	Item	1	2	3	4	Change Bar
36-22-18	AIR APU BLEED LEAK Caution on ECAM EWD (Cont'd)					
		B	1	0	(M)(O) May be inoperative provided: a) AIR APU BLEED LEAK caution is confirmed to be false by troubleshooting, b) APU leak detection loop is deactivated, c) APU check valve is checked operative, d) APU air supply system is considered inoperative, and e) BMC 1 is operative.	
		C	1	0	(M)(O) Except for ETOPS, may be inoperative provided: a) AIR APU BLEED LEAK caution is confirmed to be false by troubleshooting, b) APU leak detection loop is deactivated, c) ENG 1 BLEED pb-sw is set to OFF, d) PACK 1 pb-sw is set to OFF, e) X-BLEED selector is set to SHUT, f) APU BLEED pb-sw is set to OFF, g) Aircraft is not operated in known or forecast icing conditions, and h) Airplane remains at or below FL 310.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**36. Pneumatic**

Sequence No.	Item	1	2	3	4	Change Bar
36-22-18	AIR APU BLEED LEAK Caution on ECAM EWD (Cont'd)					
1)	A320ceo/A321ceo with Mod. 31283/MP P7125 or A320neo/A321neo	C	1	0	(M)(O) Except for ETOPS, may be inoperative provided: a) <u>AIR</u> APU BLEED LEAK caution is confirmed to be false by troubleshooting, b) APU leak detection loop is deactivated, c) ENG 1 BLEED pb-sw is set to OFF, d) PACK 1 pb-sw is set to OFF, e) X-BLEED selector is set to SHUT, f) APU BLEED pb-sw is set to OFF, g) Aircraft is not operated in known or forecast icing conditions, and h) Speedbrakes are operative.	
2)	A319ceo with Mod. 31283/MP P7125 or A319neo	C	1	0	M)(O) Except for ETOPS, may be inoperative provided: a) AIR APU BLEED LEAK caution is confirmed to be false by troubleshooting, b) APU leak detection loop is deactivated, c) ENG 1 BLEED pb-sw is set to OFF, d) PACK 1 pb-sw is set to OFF, e) X-BLEED selector is set to SHUT, f) APU BLEED pb-sw is set to OFF, g) Aircraft is not operated in known or forecast icing conditions, h) Speedbrakes are operative, and i) Airplane remains at or below FL 370.	
(Continued)						

### 36. Pneumatic

Sequence No.	Item	1	2	3	4	Change Bar
36-22-18	AIR APU BLEED LEAK Caution on ECAM EWD (Cont'd)					
3)	A318 with Mod. 31283/MP P7125	C	1	0	M)(O) Except for ETOPS, may be inoperative provided: a) AIR APU BLEED LEAK caution is confirmed to be false by troubleshooting, b) APU leak detection loop is deactivated, c) ENG 1 BLEED pb-sw is set to OFF, d) PACK 1 pb-sw is set to OFF, e) X-BLEED selector is set to SHUT, f) APU BLEED pb-sw is set to OFF, g) Aircraft is not operated in known or forecast icing conditions, h) Speedbrakes are operative, and i) Airplane remains at or below FL 350.	



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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**38. Water/Waste**

Sequence No.	Item	1	2	3	4	Change Bar
38-10-01	Potable Water Systems	C	-	-	(M) Individual components may be inoperative provided: <ul style="list-style-type: none"> <li>a) Associated components are deactivated or isolated, and</li> <li>b) Associated system components are verified not to have leaks.</li> </ul> <p>NOTE: Any portion of system which operates normally may be used.</p>	
		C	-	-	(M) May be inoperative provided: <ul style="list-style-type: none"> <li>a) System is drained, and</li> <li>b) Procedures are established to ensure that system is not serviced.</li> </ul>	
38-30-01	Lavatory Waste Systems	C	-	-	(M) Individual components may be inoperative provided: <ul style="list-style-type: none"> <li>a) Associated components are deactivated or isolated, and</li> <li>b) Associated system components are verified not to have leaks.</li> </ul> <p>NOTE: Any portion of system which operates normally may be used.</p>	
		C	-	-	(M) Associated lavatory system(s) may be inoperative provided: <ul style="list-style-type: none"> <li>a) Associated components are deactivated or isolated to prevent leaks, and</li> <li>b) Associated lavatory door(s) is secured closed and placarded "INOPERATIVE – DO NOT ENTER".</li> </ul> <p>NOTE: These provisions are not intended to prohibit inspections by crewmembers.</p>	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**38. Water/Waste**

Sequence No.	Item	1	2	3	4	Change Bar
38-30-01	Lavatory Waste Systems (Cont'd)					
1)	Vacuum Generator System (Toilet)	C	1	0	(M)(O) May be inoperative provided: a) Vacuum generator is deactivated, and b) Procedures are established and used to only allow use of lavatories at or above 16,000 ft. MSL.	   

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**46. Information Systems**

Sequence No.	Item	1	2	3	4	Change Bar
46-20-01 ***	Electronic Flight Bag Systems (EFBs)					
1) ***	Class 3 EFBs	C	-	-	(O) May be inoperative provided alternate procedures are established and used.	
		D	-	0	May be inoperative provided procedures do not require its use.	
2) ***	Data Connectivity (Class 2)	C	-	-	(O) May be inoperative provided alternate procedures are established and used.	
		D	-	0	May be inoperative provided procedures do not require its use.	
3) ***	Power Connection (Class 1 and 2)	C	-	-	(O) May be inoperative provided alternate procedures are established and used.	
		D	-	0	May be inoperative provided procedures do not require its use.	
4) ***	Mounting Device (Class 2)	C	-	0	(M)(O) May be inoperative provided: a) Associated EFB and hardware is secured by an alternate means or removed from the aircraft, and b) Alternate procedures are established and used.	
		D	-	0	(M) May be inoperative provided: a) Associated EFB and hardware is secured by an alternate means or removed from the aircraft, and b) Procedures do not require its use.	

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**46. Information Systems**

Sequence No.	Item	1	2	3	4	Change Bar
46-21-01 ***	Air Traffic Service Unit System (ATSU)	C	1	0	(O) May be inoperative provided alternate procedures are established and used.	
		D	1	0	May be inoperative provided procedures do not require its use.	
46-21-02 ***	Data Link Control Display Units (DCDU)	C	2	1	One may be inoperative.	
		C	2	0	(O) May be inoperative provided alternate procedures are established and used.	
		D	2	0	(O) May be inoperative provided procedures do not require its use.	
46-21-03 ***	ATC Msg. pb	C	2	1	One may be inoperative.	
		C	2	0	(O) May be inoperative provided alternate procedures are established and used.	
		D	2	0	(O) May be inoperative provided procedures do not require its use.	
1)	ATC MSG Lights	D	2	0	One or both may be inoperative.	
46-21-04 ***	ATC Datalink	C	1	0	(O) May be inoperative provided alternate procedures are established and used for ATC communication.	
		D	1	0	May be inoperative provided procedures do not require its use.	
46-21-05 ***	COMPANY Datalink	D	1	0	(O) May be inoperative provided alternate procedures are established and used.	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**47. Inert Gas System**

Sequence No.	Item	1	2	3	4	Change Bar
47-00	CLASS II MAINTENANCE MESSAGES DISPLAYED ON ECAM STATUS PAGE OF ECAM SYSTEM DISPLAY					
1)	Faults Indicated by FUEL INERT (A318/A319/A320/A321 Aircraft Fitted with Mod. 38062/MP J2879)	A	-	-	May be displayed provided repairs are made within 20 flight-days.  NOTE: Dispatch with associated MAINT STS message displayed on ECAM is permitted without CFDS interrogation.	
47-10-01	Fuel Tank Inerting System (A318/A319/A320/A321 Aircraft Fitted with Mod. 38062/MP J2879 and Mod. 151269/ MP P11819)	A	1	0	May be inoperative provided repairs are made within 20 flight-days.	

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**49. Airborne Auxiliary Power**

Sequence No.	Item	1	2	3	4	Change Bar
49-00	CLASS II MAINTENANCE MESSAGES DISPLAYED ON ECAM STATUS PAGE OF ECAM SYSTEM DISPLAY					
1)	Fault(s) Indicated by APU	C	-	-	NOTE: Dispatch with this maintenance status message displayed on ECAM is permitted without CFDS interrogation.	
49-10-01	APU System					
1)	A318/A319/A320/A321 without Mod. 163213/MP J4530	C	1	0	(O) Except for ETOPS, may be inoperative.	
		A	1	0	(O) Except for ETOPS beyond 120 minutes, may be inoperative provided repairs are made within 4 flights.	
2)	A321 with Mod. 163213/MP J4530 and without Mod. 162739/MP J4335	C	1	0	(O) Except for ETOPS, may be inoperative provided FWD ACT is empty or not installed.	
		A	1	0	(O) Except for ETOPS beyond 120 minutes, may be inoperative provided: a) FWD ACT is empty or not installed, and b) Repairs are made within 4 flights.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**49. Airborne Auxiliary Power**

Sequence No.	Item	1	2	3	4	Change Bar
49-10-01	APU System (Cont'd)					
3)	A321 with Mod. 163213/MP J4530 and with Mod. 162739/MP J4335	C	1	0	(O) Except for ETOPS, may be inoperative provided AFT 2 ACT is empty or not installed.	
		A	1	0	(O) Except for ETOPS beyond 120 minutes, may be inoperative provided: a) AFT 2 ACT is empty or not installed, and b) Repairs are made within 4 flights.	     
49-10-02	APU Air Intake Flap	A	1	0	(M) May be inoperative secured open and APU used provided repairs are made within 10 flight-days.	
		C	1	0	May be inoperative closed or partially closed provided APU is considered inoperative.	
49-30-01	APU Fuel Pump	C	1	0	Except for ETOPS, may be inoperative provided both engine driven generators are operative.	
		A	1	0	(O) Except for ETOPS beyond 120 minutes, may be inoperative provided repairs are made within 4 flights.	
					NOTE: APU may be started using A.C. boost pump feeding left fuel manifold.	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**49. Airborne Auxiliary Power**

Sequence No.	Item	1	2	3	4	Change Bar
49-30-02	APU LP Valve	C	1	0	(M) May be inoperative secured closed provided APU is considered inoperative.	
		C	1	0	(O) May be inoperative in closed position provided: a) Valve is indicated closed on ECAM, and b) APU is considered inoperative.	
49-70-01	MASTER Switch ON Light	C	1	0	May be inoperative.	
49-70-02	MASTER Switch FAULT Light	C	1	0	May be inoperative provided N and EGT indications are available on ECAM APU page.	
49-70-03	START ON Light	C	1	0		
49-70-04	START/AVAIL Light	C	1	0	May be inoperative provided N indication is available on ECAM APU page.	
49-70-05	ECAM APU Page Indications					
1)	APU Indications	C	-	0	May be inoperative provided procedures do not require their use.	
2)	APU GEN Parameters	C	-	0	Except for ETOPS, may be inoperative provided both Engine Driven Generators are operative.	
3)	LOW OIL LEVEL Message	B	-	0	(M) May be inoperative provided: a) Oil level is verified before each refueling, and b) There is no evidence of abnormal consumption or leakage.	



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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**52. Doors**

Sequence No.	Item	1	2	3	4	Change Bar
52-10-03	Passenger Exit Stop Fitting	C	-	-	(O) One per exit may be inoperative provided the airplane is flown in an unpressurized configuration.	
52-10-04	Emergency Operation Cylinder Damper Functions	C	-	0	One or more may be inoperative.	
52-10-06 ***	Overwing Emergency Exit Flight Lock Actuator	C	-	0	(O) May be inoperative in the unlocked position provided a cabin attendant in excess of the minimum required number of cabin attendants, or other briefed person employed by the operator is designated to remain seated in the passenger seat nearest the affected exit when the cabin differential pressure is below 4 psi.	
		C	-	0	(M)(O) May be inoperative provided: a) Affected flight lock actuator is deactivated, and b) A cabin attendant in excess of the minimum required number of cabin attendants, or other briefed person employed by the operator is designated to remain seated in the passenger seat nearest the affected exit when the cabin differential pressure is below 4 psi.	

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**52. Doors**

Sequence No.	Item	1	2	3	4	Change Bar
52-30-01	Cargo Door Actuators					
1)	Without Mod. 25044/MP K4160	A	4	2	One per door may be inoperative provided: a) Integrity of Yellow hydraulic system is not affected, b) Wind velocity does not exceed 30 knots, c) Operation of door with a single actuator is limited to 7 flight-cycles, and d) Inspection Service Bulletin ISB 52-1070 has been successfully performed.	
		A	4	2	(M) One per door may be inoperative provided: a) Affected actuator is deactivated, b) Integrity of Yellow hydraulic system is not affected, c) Wind velocity does not exceed 30 knots, d) Operation of door with a single actuator is limited to seven flight cycles, and e) Inspection Service Bulletin ISB 52-1070 has been successfully performed.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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## 52. Doors

Sequence No.	Item	1	2	3	4	Change Bar
52-30-01	Cargo Door Actuators (Cont'd)					
1)	Without Mod. 25044/MP K4160 (Cont'd)	C	4	0	(M) May be inoperative provided: a) Integrity of Yellow hydraulic system is not affected, and b) Door(s) is manually closed and locked.	
2)	With Mod. 25044/MP K4160	A	4	2	One per door may be inoperative provided: a) Integrity of yellow hydraulic system is not affected, b) Wind velocity does not exceed 30 knots, and c) Operation of door with a single actuator is limited to 75 flight cycles.	
		A	4	2	(M) One per door may be inoperative provided: a) Affected actuator is deactivated, b) Integrity of yellow hydraulic system is not affected, c) Wind velocity does not exceed 30 knots, and d) Operation of door with a single actuator is limited to 75 flight cycles.	
		C	4	0	(M) May be inoperative provided: a) Integrity of yellow hydraulic system is not affected, and b) Door(s) is manually closed and locked.	
52-30-02	Cargo Door Locking Hooks and Spools System	C	-	-	(M)(O) One locking hook or one spool per door may be inoperative provided: a) The remainder are normal, and b) The airplane is flown in an unpressurized configuration.	

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**52. Doors**

Sequence No.	Item	1	2	3	4	Change Bar
52-30-03	Hand Pump	C	1	0	(M) May be inoperative provided the integrity of the yellow hydraulic system is not affected.	
52-30-04	Cargo Doors Electrical Control	C	-	0	(O) May be inoperative provided affected cargo door(s) is verified closed on ECAM door page prior to each departure.  NOTE: Hand pump may be used to operate cargo door(s). Ensure cargo door(s) are fully open during loading and unloading.	
		C	-	0	(M) May be inoperative provided: a) Hand pump operates normally, and b) Cargo doors are fully open during loading and unloading.  NOTE: Any cargo door control function that operates normally may be used.	
1)	Open and Locked (Green) Lights	D	2	0	(O) May be inoperative and associated cargo compartment used provided cargo door is fully open during loading and unloading.	
52-30-05	Cargo Door Drift Pin	A	4	0	May be inoperative provided repairs are made within 1 flight.	

## 52. Doors

Sequence No.	Item	1	2	3	4	Change Bar
52-33-01 ***	Bulk Cargo Door Balance mechanism	C	1	0	(M) May be inoperative or damaged provided: a) A safety hold device is used to maintain the door in the open position, and b) A visual check is made to confirm that the door is correctly closed and locked after each use.	
52-50-01	Flight Deck Door Lock Solenoid	C	1	0	(M) May be inoperative provided: a) Door can be locked and unlocked manually, and b) Latch shearing function is not impaired.	
52-50-02	Cockpit Door Locking System (Automatic System) (Mod. 32088 and 32090) 14 CFR Part 25, § 25.795 Compliant	A	1	0	(M)(O) May be inoperative provided: a) Automatic locking system is deactivated, b) Door deadbolt operates normally and is used to lock the door, c) Alternate procedures are established and used for locking and unlocking the door using the deadbolt, and d) Repairs are made within 2 flight-days.	
1)	Cockpit Door Toggle Switch					
a)	UNLOCK Function	C	1	0	(O) May be inoperative provided alternate procedures are established and used.	
b)	LOCK Function	C	1	0	(M)(O) May be inoperative provided: a) The cockpit door locking system keypad is deactivated, and b) Alternate procedures are established and used.	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**52. Doors**

Sequence No.	Item	1	2	3	4	Change Bar
52-50-02	Cockpit Door Locking System (Automatic System) (Mod. 32088 and 32090) 14 CFR Part 25, § 25.795 Compliant (Cont'd)					
2)	OPEN Light	C	1	0	May be inoperative.	
3)	FAULT Light	C	1	0	(O) May be inoperative provided all LEDs on CKPT DOOR CONT Panel are operative.	
4)	Buzzer	C	1	0	(M)(O) May be inoperative provided: a) Keypad is deactivated, and b) Alternate procedures are established and used.	
5)	Keypad	C	1	0	(M)(O) May be inoperative provided: a) Keypad is deactivated, and b) Alternate procedures are established and used.	
a)	Green and Red LEDs	C	2	0	(O) May be inoperative provided alternate procedures are established and used.	
6)	Pressure Rate Sensors	C	2	1	One may be inoperative.	
		A	2	0	May be inoperative provided repairs are made within 2 flight-days.	
7)	Door Release Strikes (Catch Spring, Solenoid, Bolt)	C	3	2	One may be inoperative provided that the associated door release strike is failed in the open/unlocked position.	
		C	3	2	(M) One may be inoperative provided associated door release strike is deactivated or removed.	
8)	Control Unit LEDs	C	5	0	(O) May be inoperative provided associated FAULT light is verified to operate normally.	

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**52. Doors**

Sequence No.	Item	1	2	3	4	Change Bar
52-50-03	Cockpit Door Secondary Locking System (Deadbolt) (Mod. 33777) 14 CFR Part 25, § 25.795 Compliant	C	1	0	May be inoperative provided automatic lock controls operate normally.	
52-60-01 ***	Entrance Stairs (With Mod. 23308)	D	1	0	May be inoperative.	
52-70-01	ECAM DOOR Page Indications					
1)	Passenger Doors					
a)	Open Indication	C	-	-	(O) May be inoperative provided: a) A visual check is made before each departure to ensure that the affected door(s) is closed and locked, and b) White SLIDE ARMED light on the affected door does not illuminate when the door is closed and locked and slide armed.	
		C	-	-	(O) May be inoperative for non-night operations provided a visual check is made before each departure to ensure that the affected door(s) is closed and locked.	
		B	-	-	(O) May be inoperative provided: a) A visual check is made before each departure to ensure that the affected door(s) is closed and locked, and b) White SLIDE ARMED light on the door remains illuminated when the door is closed and locked and slide armed.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**52. Doors**

Sequence No.	Item	1	2	3	4	Change Bar
52-70-01	ECAM DOOR Page Indications (Cont'd)					
1)	Passenger Doors (Cont'd)					
b)	Closed Indication	C	-	-	(M)(O) May be inoperative provided: a) A visual check is made before each departure to ensure that the affected door(s) is closed and locked, and b) Control circuit of affected door slide lighting system is verified to operate normally.	
		C	-	-	(O) May be inoperative for non-night operations provided a visual check is made before each departure to ensure that the affected door(s) is closed and locked.	
2) ***	Overwing Emergency Exits					
a)	Open Indication	C	-	-	(M)(O) May be inoperative provided: a) A visual check is made and the door is pushed against before each departure to ensure that the affected exit(s) is closed and locked, and b) SLIDE Indication on ECAM DOOR page illuminates white when the exits are closed and locked.	
		C	-	-	(M)(O) May be inoperative for non-night operations provided a visual check is made and the door is pushed against before each departure to ensure that the affected exit(s) is closed and locked.	
(Continued)						



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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**52. Doors**

Sequence No.	Item	1	2	3	4	Change Bar
52-70-01	ECAM DOOR Page Indications (Cont'd)					
2) ***	Overwing Emergency Exits (Cont'd)					
b)	Closed Indication	C	-	-	(M)(O) May be inoperative for non-night operations provided a visual check is made and the door is pushed against before each departure to ensure that the affected exit(s) is closed and locked.	
3)	Cargo Door	C	-	-	(M)(O) Indications may be inoperative provided: a) A visual check is made before each departure to confirm that doors are closed and locked, and b) For bulk cargo door verification, door is also pushed against to ensure it is closed and locked.	
4)	Avionics Compartment Access Door	C	-	-	(M)(O) Indications may be inoperative provided a visual check is made before each departure to confirm that doors are closed and locked, to include pushing against inward opening access doors.	
5) ***	Airstairs Door	C	1	0	(M)(O) Indication may be inoperative provided a visual check is made before each departure to confirm that door is closed and locked.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**52. Doors**

Sequence No.	Item	1	2	3	4	Change Bar
52-70-02	CABIN PRESSURE Light (On Doors)	C	-	0	(O) May be inoperative provided absence of differential pressure is confirmed before opening of associated door.	
52-70-03	Door Residual Differential Pressure Detection	C	1	0	(O) May be inoperative provided: a) All CABIN PRESSURE lights on cabin doors are placarded inoperative, and b) Absence of differential pressure is confirmed before opening of any cabin door.	

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**71. Powerplant**

Sequence No.	Item	1	2	3	4	Change Bar
71-00	CLASS II MAINTENANCE MESSAGES DISPLAYED ON ECAM STATUS PAGE OF ECAM SYSTEM DISPLAY					
1)	Fault(s) Indicated by ENG (1 and/or 2) FADEC					
a)	Except for CFM56-5B Affected by CFM VSB 73-0241 and without Mod.153169/ MP P12877 (FADEC software 5BS2)	A	-	-	May be inoperative provided repairs are made within 10 consecutive calendar-days.  NOTE: Dispatch with maintenance status messages displayed on ECAM is permitted without CFDS interrogation.	
b)	For CFM 56-5B Affected by CFM VSB 73-0241 and without Mod. 153169/ MP P12877 (FADEC software 5bS2) Only	A	-	-	(M) May be inoperative provided: a) It is verified before first flight of each day that CFDS does not report any fault on a T12 sensor and, b) Repairs are made with 10 consecutive calendar-days.  NOTE: Dispatch with maintenance status messages displayed on ECAM is permitted without CFDS interrogation.	
		A	-	-	May be inoperative provided repairs are made within 25 flight-hours or 3 flight-days, whichever occurs first.  NOTE: Dispatch with maintenance status messages displayed on ECAM is permitted without CFDS interrogation.	
(Continued)						

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Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**71. Powerplant**

Sequence No.	Item	1	2	3	4	Change Bar
71-00	CLASS II MAINTENANCE MESSAGES DISPLAYED ON ECAM STATUS PAGE OF ECAM SYSTEM DISPLAY (Cont'd)					
2)	Fault(s) Indicated by ENG (1 and/or 2) EIU	C	-	-	NOTE: Dispatch with maintenance status messages displayed on ECAM is permitted without CFDS interrogation.	
3)	Fault(s) Indicated by ENG EVMU	C	-	-	NOTE: Dispatch with maintenance status messages displayed on ECAM is permitted without CFDS interrogation.	
4)	Fault(s) Indicated by ENG ICARE (With Mod. 167039/ MP P21513 (iCARE) and with Mod. 166490/ MP P21265 (FWC H2-F13 Standard))	C	-	-	NOTE: Dispatch with maintenance status messages displayed on ECAM is permitted without CFDS interrogation.	       
71-10-01	ENG 1(2) FAN COWL NOT CLSD Alert (A319neo/A320neo/ A321neo)	C	2	0	(O) May be inoperative provided associated fan cowl door latches are checked closed before each flight.	
71-13-01	Fan Cowl Loss Prevention Mechanical System (A319neo/A320neo/ A321neo with CFM LEAP-1A Engines)	C	2	0	(M)(O) May be inoperative provided: a) The Fan Cowl Loss Prevention Mechanical system is inhibited, and b) The associated fan cowl latches are checked closed before each flight.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**73. Engine Fuel and Control**

Sequence No.	Item	1	2	3	4	Change Bar
73-10-02	Fuel Return-to-Tank Valves (V2500 Engines and PW1100G Engines)	C	2	1	One may be inoperative in closed position provided APU generator is operative.	
73-11-01	Fuel Recirculation System (CFM 56-5B Engines and CFM LEAP-1A Engines)					
1)	Valves	C	2	1	One may be inoperative in the closed position on one engine provided that the APU generator is operative.	
		C	2	0	One or both may be inoperative in the open position provided that the four wing tank pumps are operative.	
73-11-02	Burner Staging Valve System (CFM Engines Only)					
1)	Valves (Without Mod. 25887, 26338, 26577, 27725, or 28307)	C	2	0	(M) May be inoperative open.	

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**73. Engine Fuel and Control**

Sequence No.	Item	1	2	3	4	Change Bar
73-20-03	Minimum Idle on Ground	C	2	0	(O) May be inoperative provided the Airplane Flight Manual (AFM) performance penalties are applied.  NOTE: Continuous ignition is permanently ON (IAE Engines only).	1
73-20-04	EPR Control Modes (IAE Engines Only)	C	2	0	(O) May be inoperative provided: a) N <sub>1</sub> rated control Mode operates normally on both engines, b) Approach minimums do not require their use, and c) AFM performance penalties are applied.  NOTE: Autothrust and alpha floor are inoperative.	
73-20-05	Flex Temp Function	C	2	0	May be inoperative provided takeoff is performed in TOGA or de-rated Mode.	
73-20-06 ***	De-Rated Takeoff Mode	D	2	0	May be inoperative on one or both engines provided takeoff is performed in TOGA or FLX Mode.	
73-20-09	Aircraft 28V Power Supply (IAE Engines Only)	C	4	2	Channel B power supply may be inoperative on one or both engines.	
73-20-10 ***	Engine Bump	C	2	0	May be inoperative provided benefit of bump is not utilized for determination of takeoff performance.	
73-20-11	Engine Overthrust Protection System (A318 or A319neo/A320neo/A321neo)	A	2	1	One may be inoperative for 6 flights.	

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**73. Engine Fuel and Control**

Sequence No.	Item	1	2	3	4	Change Bar
73-30-02	Fuel Used Indications					
1)	Aircraft without Mod. 30368/MP P6578	C	2	0	(M) May be inoperative provided: a) Associated tank fuel quantity indication system operates normally, and b) Fuel on Board indication operates normally.	
2)	Aircraft with Mod. 30368/MP P6578	C	2	0	(M) May be inoperative provided: a) Associated tank fuel quantity indication system operates normally, b) Fuel on Board indication operates normally, and c) F. USED 1+2 indication is considered inoperative.	
73-30-03	Fuel Filter Clog Cautions on ECAM EWD					
1)	IAE Engines and CFM Engines with Mod. 28397 or Mod. 28398 and CFM LEAP-1A Engines	C	2	1	(M) One may be inoperative provided associated filter is changed before the next flight and then once each flight-day.	
2)	PW 6000 Engines	C	2	1	(M) One may be inoperative provided associated filter is changed before the next flight and then once each flight-day or every 15 flight-hours, whichever occurs first.	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**73. Engine Fuel and Control**

Sequence No.	Item	1	2	3	4	Change Bar
73-30-03	Fuel Filter Clog Cautions on ECAM EWD (Cont'd)					
3)	PW 1100G Engines without Mod. 162159/MP P20466 (FWC H2-F10)	C	2	1	(M) One may be inoperative provided: a) Associated filter is changed before next flight and then every 50 flight-hours, b) ENG 1(2) FUEL FILTER DEGRAD caution is not displayed on EWD for opposite engine, and c) ENG 1(2) FUEL SENSOR FAULT caution is not displayed on EWD for opposite engine.	
4)	PW 1100G Engines with Mod. 162159/MP P20466 (FWC H2-F10)	C	2	1	(M) One may be inoperative provided: a) Associated filter is changed before next flight and then every 50 flight-hours, b) ENG 1(2) FUEL FILTER PARTLY CLOGGED caution is not displayed on EWD for opposite engine, and c) ENG 1(2) FUEL SENSOR FAULT caution is not displayed on EWD for opposite engine.	
73-30-04	Fuel Filter Clog Indication on ECAM System Display	C	2	0	One or both may be inoperative.	
73-30-05	MINOR FAULT Cautions on ECAM EWD (A319neo/A320neo/A321neo)	C	2	1	One may be inoperative.	



1. REPAIR CATEGORY
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Sequence No.	Item	1	2	3	4	Change Bar
73-30-06	FUEL FILTER DEGRAD or FUEL FILTER PARTLY CLOGGED Cautions on ECAM EWD					
1)	PW 1100G Engines without Mod. 163016/ MP P20522	C	2	1	(M) One may be inoperative provided: a) Associated filter is replaced before next flight and then every 50 flight-hours, b) ENG 1(2) FUEL FILTER CLOG caution is not displayed on EWD for opposite engine, and c) ENG 1(2) FUEL SENSOR FAULT caution is not displayed on EWD for opposite engine.	
		A	2	1	One may be inoperative provided: a) ENG 1(2) FUEL SENSOR FAULT caution is not displayed on EWD for opposite engine, and b) VSB PW1000G-C-73-00- 0030-00A-930A-D or VSB PW1000G-C-73-00-0046- 00A-930A-D or VSB PW1000G-C-73-00- 0047-00A-930A-D is applied on affected engine, and c) Repairs are made within 8 flights or 16 flight-hours, whichever occurs first	
					(Continued)	

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**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
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**73. Engine Fuel and Control**

Sequence No.	Item	1	2	3	4	Change Bar
73-30-06	FUEL FILTER DEGRAD or FUEL FILTER PARTLY CLOGGED Cautions on ECAM EWD (Cont'd)					
2)	PW 1100G Engines with Mod. 163016/ MP P20522	C	2	1	(M) One may be inoperative provided: a) Associated filter is replaced before next flight and then every 50 flight-hours, b) ENG 1(2) FUEL FILTER CLOG caution is not displayed on EWD for opposite engine, and c) ENG 1(2) FUEL SENSOR FAULT caution is not displayed on EWD for opposite engine.	
		A	2	1	One may be inoperative provided: a) ENG 1(2) FUEL SENSOR FAULT is not displayed on EWD for opposite engine, and b) Repairs are made within 8 flights or 16 flight-hours, whichever occurs first.	
3)	CFM LEAP-1A Engines	A	2	1	One may be inoperative provided: a) ENG 1(2) FUEL SENSOR FAULT caution is not displayed on EWD for opposite engine and, b) Repairs are made within 3 flights or 6 flight-hours, whichever occurs first.	
		C	2	1	(M) One may be inoperative provided associated filter is replaced before next flight and then every 100 flight-hours.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**73. Engine Fuel and Control**

Sequence No.	Item	1	2	3	4	Change Bar
73-30-07	FUEL SENSOR FAULT Cautions on ECAM EWD					
1)	PW 1100G Engines without Mod.163016/ MP P20522 and without Mod. 162159/ MP P20466 (FWC H2-F10)	C	2	1	(M) One may be inoperative provided: a) Associated FUEL FILTER SENSOR subtitle is displayed on EWD, and b) Associated filter is replaced before next flight and then every 50 flight-hours.	
		A	2	1	One may be inoperative provided: a) Associated FUEL FILTER SENSOR subtitle is displayed on EWD, b) ENG 1(2) FUEL FILTER DEGRAD caution is not displayed on EWD for opposite engine, c) VSB PW1000G-C-73-00- 0030- 00A-930A-D or VSB PW1000G-C-73-00-0046- 00A- 930A-D or VSB PW1000G-C- 73-00- 0047- 00A-930A-D is applied on affected engine, and d) Repairs are made within 8 flights or 16 flight-hours, whichever occurs first.	
		C	2	0	May be inoperative provided associated IDG FOC SENSOR subtitle is displayed on EWD.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**73. Engine Fuel and Control**

Sequence No.	Item	1	2	3	4	Change Bar
73-30-07	FUEL SENSOR FAULT Cautions on ECAM EWD (Cont'd)					
2)	PW 1100G Engines without Mod.163016/ MP P20522 and with Mod. 162159/ MP P20466 (FWC H2-F10)	C	2	1	(M) One may be inoperative provided: a) Associated FUEL FILTER SENSOR subtitle is displayed on EWD, and b) Associated filter is replaced before next flight and then every 50 flight-hours.	
		A	2	1	One may be inoperative provided: a) Associated FUEL FILTER SENSOR subtitle is displayed on EWD, b) ENG 1(2) FUEL FILTER PARTLY CLOGGED caution is not displayed on EWD for opposite engine, c) VSB PW1000G-C-73-00- 0030-00A-930A-D or VSB PW1000G-C-73-00- 0046-00A-930A-D or VSB PW1000G-C-73-00- 0047-00A-930A-D is applied on affected engine, and d) Repairs are made within 8 flights or 16 flight-hours, whichever occurs first.	
		C	2	0	May be inoperative provided associated IDG FOC SENSOR subtitle is displayed on EWD.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**73. Engine Fuel and Control**

Sequence No.	Item	1	2	3	4	Change Bar
73-30-07	FUEL SENSOR FAULT Cautions on ECAM EWD (Cont'd)					
3)	PW 1100G Engines with Mod.163016/ MP P20522 and without Mod. 162159/ MP P20466 (FWC H2-F10)	C	2	1	(M) One may be inoperative provided: a) Associated FUEL FILTER SENSOR subtitle is displayed on EWD, and b) Associated filter is replaced before next flight and then every 50 flight-hours.	
		A	2	1	One may be inoperative provided: a) Associated FUEL FILTER SENSOR subtitle is displayed on EWD b) ENG 1(2) FUEL FILTER DEGRAD caution is not displayed on EWD for opposite engine, and c) Repairs are made within 8 flights or 16 flight-hours, whichever occurs first.	
		C	2	0	May be inoperative provided associated IDG FOC SENSOR subtitle is displayed on EWD.	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
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**73. Engine Fuel and Control**

Sequence No.	Item	1	2	3	4	Change Bar
73-30-07	FUEL SENSOR FAULT Cautions on ECAM EWD (Cont'd)					
4)	PW 1100G Engines with Mod.163016/ MP P20522 and with Mod. 162159/ MP P20466 (FWC H2-F10)	C	2	1	(M) One may be inoperative provided: a) Associated FUEL FILTER SENSOR subtitle is displayed on EWD, and b) Associated filter is replaced before next flight and then every 50 flight-hours.	
		A	2	1	One may be inoperative provided: b) Associated FUEL FILTER SENSOR subtitle is displayed on EWD b) ENG 1(2) FUEL FILTER PARTLY CLOGGED caution is not displayed on EWD for opposite engine, and c) Repairs are made within 8 flights or 16 flight-hours, whichever occurs first.	
		C	2	0	May be inoperative provided associated IDG FOC SENSOR subtitle is displayed on EWD.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**73. Engine Fuel and Control**

Sequence No.	Item	1	2	3	4	Change Bar
73-30-07	FUEL SENSOR FAULT Cautions on ECAM EWD (Cont'd)					
5)	CFM LEAP-1A Engines without Mod.1 62159/ MP P20466 FWC H2-F10)	C	2	1	(M) One may be inoperative provided: a) Associated FUEL FILTER SENSOR subtitle is displayed on EWD, and b) Associated filter is replaced before next flight and then every 100 flight-hours.	
		A	2	1	One may be inoperative provided: a) Associated FUEL STRAINER SENSOR subtitle is displayed on EWD, b) Associated ENG 1(2) FUEL STRAINER CLOG caution was not displayed on EWD on previous flight, c) ENG 1(2) FUEL FILTER DEGRAD caution and ENG 1(2) FUEL SENSOR FAULT caution are not displayed on EWD for opposite engine, and d) Repairs are made within 3 flights or 6 flight-hours, whichever occurs first.	
		C	2	1	(M) One may be inoperative provided: a) Associated FUEL STRAINER SENSOR subtitle is displayed on EWD, and b) Associated filter is replaced.	
		C	2	0	One or both may be inoperative provided: a) Associated TEMP SENSORS subtitle is displayed on EWD, and b) Four wing tank pumps are operative.	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
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4. REMARKS OR EXCEPTIONS

**73. Engine Fuel and Control**

Sequence No.	Item	1	2	3	4	Change Bar
73-30-07	FUEL SENSOR FAULT Cautions on ECAM EWD (Cont'd)					
6)	CFM LEAP-1A Engines with Mod. 162159/ MP P20466 (FWC H2-F10)	C	2	1	(M) One may be inoperative provided: a) Associated FUEL FILTER SENSOR subtitle is displayed on EWD, and b) Associated filter is replaced before next flight and then every 100 flight-hours.	
		A	2	1	One may be inoperative provided: a) Associated FUEL STRAINER SENSOR subtitle is displayed on EWD, b) Associated ENG 1(2) FUEL STRAINER CLOG caution was not displayed on EWD on previous flight, c) ENG 1(2) FUEL FILTER PARTLY CLOGGED caution and ENG 1(2) FUEL SENSOR FAULT caution are not displayed on EWD for opposite engine, and d) Repairs are made within 3 flights or 6 flight-hours, whichever occurs first.	
		C	2	1	(M) One may be inoperative provided: a) Associated FUEL STRAINER SENSOR subtitle is displayed on EWD, and b) Associated filter is replaced.	
		C	2	0	One or both may be inoperative provided: a) Associated TEMP SENSORS subtitle is displayed on EWD, and b) Four wing tank pumps are operative.	



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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**73. Engine Fuel and Control**

Sequence No.	Item	1	2	3	4	Change Bar
73-30-08	HEAT SYS DEGRAD Cautions on ECAM E/WD					
	(A319neo/A320neo/ A321neo with PW 1100G Engines)	A	2	0	May be inoperative for 2 flights provided APU and APU generator are operative.	
	(A319neo/A320neo/ A321neo with PW 1100G Engines)	C	2	1	(M) One may be inoperative provided: a) APU and APU generator are operative, and b) CFDS does not report an ENGXD-0720-BDCV TEST ABORT COUNT message.	
	(A319neo/A320neo/ A321neo with PW 1100G Engines)	C	2	0	Except for ETOPS, may be inoperative provided APU and APU generator are operative.	
73-30-09	FUEL STRAINER CLOG Cautions on ECAM EWD					
1)	CFM LEAP-1A Engines without Mod. 162159/ MP P20466 (FWC H2-F10)	A	2	1	One may be inoperative provided: a) Associated ENG 1(2) FUEL FILTER DEGRAD caution is not displayed on EWD, b) ENG 1(2) FUEL SENSOR FAULT caution is not displayed on EWD on opposite engine, and c) Repairs are made within 10 consecutive calendar-days.	
2)	CFM LEAP-1A Engines with Mod. 162159/ MP P20466 (FWC H2-F10)	A	2	1	One may be inoperative provided: a) Associated ENG 1(2) FUEL FILTER PARTLY CLOGGED caution is not displayed on EWD, b) ENG 1(2) FUEL SENSOR FAULT caution is not displayed on EWD on opposite engine, and c) Repairs are made within 10 consecutive calendar-days.	

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**TABLE KEY**

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**73. Engine Fuel and Control**

Sequence No.	Item	1	2	3	4	Change Bar
73-30-10	HP FUEL VALVE Cautions on ECAM E/WD (A319neo/A320neo/ A321neo with CFM LEAP-1A Engines)	C	2	1	One may be inoperative provided: a) Associated HP FUEL VALVE NOT OPEN subtitle is displayed on the EWD, and b) Affected engine can be started.	
73-30-11	FADEC IDENT FAULT Cautions on ECAM E/WD (A319neo/A320neo/ A321neo with CFM LEAP-1A Engines)	C	2	0	(M) One or both may be inoperative provided there is no disagreement between the associated engine identification contained in the FADEC and the identification written on the engine plate.	

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**TABLE KEY**

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**74. Ignition**

Sequence No.	Item	1	2	3	4	Change Bar
74-31-01	Ignition Systems					
1)	CFM Engines					
a)	System B (CFM 56-5A Engines with Mod. 22333 or CFM 56-5B Engines or CFM LEAP-1A Engines)	C	2	0	(O) May be inoperative provided System A is operative.	
b)	System B (CFM 56-5A Engines without Mod. 22333)	C	2	0	(O) May be inoperative provided: a) Engine relight envelope with System B inoperative is observed, and b) System A operates normally.	
2)	IAE Engines and PW Engines					
a)	System A	C	2	1	(O) Except for ETOPS, may be inoperative on one engine only.	
b)	System B	C	2	0	(O) May be inoperative provided System A operates normally.	
c)	System A and B	C	4	2	(O) Except for ETOPS, two igniters may be inoperative provided they are not on the same engine.	
NOTE: On IAE and PW engines, system A must be considered inoperative on both engines if the common power supply line from 401XP 115VAC ESS BUS is inoperative as a result of either a loss of electrical continuity or a short circuit (C/B Engine/1 AND 2 IGN/SYS A (49VUA03) tripped).						

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**74. Ignition**

Sequence No.	Item	1	2	3	4	Change Bar
74-31-02	ECAM Indications (Lower Display)					
1)	Selected Igniter	C	4	0	(M) May be inoperative provided IGN FAULT warning is verified to operate normally on ECAM.	
74-31-03	IGN FAULT Caution on ECAM					
1)	CFM Engines	C	4	3	(M) One may be inoperative provided associated ignition system is verified to operate normally once each flight-day.	
		C	4	2	(M) Two may be inoperative provided associated ignition system is verified to operate normally before each departure.	
2)	IAE Engines and PW Engines	C	4	2	One or two may be inoperative.	

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**TABLE KEY**

1. REPAIR CATEGORY
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**75. Bleed Air**

Sequence No.	Item	1	2	3	4	Change Bar
75-21-01	HP Turbine Active Clearance Control System					
1)	(CFM LEAP-1A Engines)	C	2	0	(M)(O) May be inoperative provided: a) Affected HPTACC valve is deactivated in closed position, and b) Associated engine takeoff EGT margin is above 15°C.	
75-22-01	LP Turbine Active Clearance Control					
1)	(CFM LEAP-1A Engines)	A	2	0	(M)(O) May be inoperative provided: a) Affected LPTACC valve is deactivated in closed position, b) Associated engine takeoff EGT margin is above 5 °C, and c) Repairs are made within 10 flight-legs.	
75-22-02	Buffer Air Check Valve (A319neo/A320neo/A321neo with PW 1100G Engines)	C	2	1	One may be inoperative in open position.	
75-25-01	TCC/TACC Valve					
1)	A318 with PW 6000 Engines	B	2	1	(O) One may be inoperative in closed position provided the affected engine takeoff EGT margin is greater than 18 °C.	
2)	A319neo/A320neo/A321neo with PW 1100G Engines	B	2	1	(O) One may be inoperative in closed position provided the affected engine takeoff EGT margin is greater than 16 °C.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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75. Bleed Air					
Sequence No.	Item	1	2	3	4 <span>Change Bar</span>
75-25-02	TCA Valve (PW 6000 Engines Only)	C	4	3	(M) One may be failed closed provided TCA pipes are verified to have no cracks.
75-25-03	FADEC Blower (A319neo/A320neo/ A321neo with CFM LEAP-1A Engines and Mod. 163105/ MP P20228)	A	2	1	One may be inoperative for a maximum of 10 consecutive calendar-days or 150 flight-hours, whichever occurs first.

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**76. Engine Control**

Sequence No.	Item	1	2	3	4	Change Bar
76-11-01	Thrust Lever Position Sensor (IAE Engines or CFM Engines or PW 6000 Engines only)	A	4	3	One may be inoperative provided: a) A/THR is operative, b) Both LGCIUs are operative, and c) Repairs are made within 3 flight-days.	   

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**77. Engine Indicating**

Sequence No.	Item	1	2	3	4	Change Bar
77-00-01	ECAM Indications					
1)	Fuel Flow (Upper Display)					
a)	Aircraft without Mod. 30368/MP P6578	B	2	1	One may be inoperative.	
b)	Aircraft with Mod. 30368/MP P6578	B	2	1	May be inoperative provided the total fuel flow indication is considered inoperative.	
2)	Total Fuel Flow Indication (Fuel Page) (With Mod. 30368/ MP P6758)	B	1	0	May be inoperative or replaced by XX.	
3)	Bleed Configuration Indication on the EWD (PACKS, NAI, WAI) (A319neo/A320neo/ A321neo)	C	3	0	May be inoperative.	
		D	3	0	May be inoperative provided procedures do not require its use.	
77-00-02	ECAM Indications (Lower Display)					
1)	Nacelle Temperature	C	2	0	One or both may be inoperative.	
2)	N <sub>1</sub> Vibration	C	2	1	One may be inoperative.	
3)	N <sub>2</sub> Vibration	C	2	1	One may be inoperative.	



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AIRCRAFT:  
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1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**78. Engine Exhaust**

Sequence No.	Item	1	2	3	4	Change Bar
78-11-09	T/R Door Tertiary Lock					
1)	A318 with PW 6000 Engines	C	8	4	One or more may be failed locked provided the associated T/R is considered inoperative.	
2)	A319neo/A320neo/A321neo with PW 1100G Engines	C	4	2	One or both on the same engine may be failed locked provided the associated T/R is considered inoperative.	
		C	4	0	(M)(O) One or more may be inoperative provided the associated thrust reverser door tertiary lock is secured in the open position.	
3)	A319neo/A320neo/A321neo with CFM LEAP-1A Engines	C	2	1	One may be failed locked provided the associated T/R is considered inoperative.	
		C	2	0	(M)(O) One or both may be inoperative provided: <ol style="list-style-type: none"> <li>a) Associated thrust reverser door tertiary lock is secured in the open position, and</li> <li>b) ENG 1(2) REV LOCKED alert associated with the affected thrust reverser is not displayed on the EWD after deactivation.</li> </ol>	
78-11-10	T/R Tertiary Lock Valve					
1)	A318 with PW 6000 Engines	C	2	0	One or both may be failed open.	
2)	A319neo/A320neo/A321neo with PW 1100G Engines	C	4	0	One or more may be failed open.	

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**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**78. Engine Exhaust**

Sequence No.	Item	1	2	3	4	Change Bar
78-30-01	Thrust Reverser Systems					
1)	(A318/A319ceo/ A320ceo/A321ceo)	C	2	1	(M)(O) One may be inoperative provided: a) Inoperative reverser is deactivated and secured in the stowed position and no operations or procedures require its use, b) All stow and deploy switches on the inoperative reverser operate normally (CFM 56 only), c) Both LVDT on the inoperative reverser are checked operative (IAE only), d) ENG 1 (2) REV INHIBITED caution is displayed on ECAM E/WD after deactivation (PW 6000 only), e) ENG 1(2) REV UNLOCKED caution is not present on ECAM E/WD after deactivation (PW 6000 only), f) ENG 1(2) REV PRESSURIZED caution is not present on ECAM E/WD after deactivation, g) Wheel brake tachometers operate normally, h) Main wheel braking system operates normally,	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**78. Engine Exhaust**

Sequence No.	Item	1	2	3	4	Change Bar
78-30-01	Thrust Reverser Systems (Cont'd)					
1)	(A318/A319ceo/A320ceo/A321ceo) (Cont'd)	C	2	1	<p>i) Flightcrew is provided with the following statement via appropriate means (e.g., dispatch release, MEL (O) procedure, etc.): "For a landing conducted with one deactivated thrust reverser, ensure that both engine thrust levers are retarded to the IDLE detent for the flare and the touchdown. Select both thrust levers to reverse when applying reverse thrust," and</p> <p>j) Appropriate performance adjustments are applied.</p>	
2)	A319neo/A320neo/A321neo with Mod. 165148/MP J4604 (BSCU P/N E21327307)	C	2	1	<p>(M)(O) One may be inoperative provided:</p> <p>a) The BSCU P/N E21327307 is not installed,</p> <p>b) Inoperative reverser is deactivated and secured in the stowed position and no operations or procedures require its use,</p> <p>c) ENG 1(2) REV INHIBITED caution is displayed on ECAM E/WD after deactivation,</p> <p>d) ENG 1(2) REV UNLOCKED caution is not present on ECAM E/WD after deactivation,</p>	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**78. Engine Exhaust**

Sequence No.	Item	1	2	3	4	Change Bar
78-30-01	Thrust Reverser Systems (Cont'd)					
2)	(A319neo/A320neo/A321neo with CFM LEAP-1A Engines) (Cont'd)	C	2	1	<p>e) ENG 1(2) REV PRESSURIZED caution is not present on ECAM E/WD after deactivation,</p> <p>f) Wheel brake tachometers operate normally,</p> <p>g) Main wheel braking system operates normally,</p> <p>h) Flightcrew is provided with the following statement via appropriate means (e.g., dispatch release, MEL (O) procedure, etc.): "For a landing conducted with one deactivated thrust reverser, ensure that both engine thrust levers are retarded to the IDLE detent for the flare and the touchdown. Select both thrust levers to reverse when applying reverse thrust," and</p> <p>i) Appropriate performance adjustments are applied.</p> <p>NOTE: The BSCU standard P/N can be checked by AMM TASK 32-46-00-740-003-A BITE Test of the BSCU-LRU Identification.</p>	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**78. Engine Exhaust**

Sequence No.	Item	1	2	3	4	Change Bar
78-30-01	Thrust Reverser Systems (Cont'd)					
3)	A319neo/A320neo/A321neo without Mod. 165148/MP J4604 (BSCU P/N E21327307)	C	2	1	(M)(O) One may be inoperative provided: <ul style="list-style-type: none"> <li>a) Inoperative reverser is deactivated and secured in the stowed position and no operations or procedures require its use,</li> <li>b) ENG 1(2) REV INHIBITED caution is displayed on ECAM E/WD after deactivation,</li> <li>c) ENG 1(2) REV UNLOCKED caution is not present on ECAM E/WD after deactivation,</li> <li>d) ENG 1(2) REV PRESSURIZED caution is not present on ECAM E/WD after deactivation,</li> <li>e) Wheel brake tachometers operate normally,</li> <li>f) Main wheel braking system operates normally,</li> <li>g) Flightcrew is provided with the following statement via appropriate means (e.g., dispatch release, MEL (O) procedure, etc.): "For a landing conducted with one deactivated thrust reverser, ensure that both engine thrust levers are retarded to the IDLE detent for the flare and the touchdown. Select both thrust levers to reverse when applying reverse thrust," and</li> <li>h) Appropriate performance adjustments are applied.</li> </ul>	     
					(Continued)	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**78. Engine Exhaust**

Sequence No.	Item	1	2	3	4	Change Bar
78-30-01	Thrust Reverser Systems (Cont'd)					
4)	A319neo/A320neo/A321neo with CFM LEAP-1A Engines with Mod. 165148/MP J4604 (BSCU P/N E21327307)	C	2	1	<p>(M)(O) One may be inoperative provided:</p> <ol style="list-style-type: none"> <li>a) The BSCU P/N E21327307 is not installed,</li> <li>b) Inoperative reverser is deactivated and secured in the stowed position and no operations or procedures require its use,</li> <li>c) ENG 1(2) REV INHIBITED caution is displayed on ECAM E/WD after deactivation,</li> <li>d) ENG 1(2) REV UNLOCKED caution is not present on ECAM E/WD after deactivation,</li> <li>e) The ICV is checked closed before each flight,</li> <li>f) Wheel brake tachometers operate normally,</li> <li>g) Main wheel braking system operates normally,</li> <li>h) Flightcrew is provided with the following statement via appropriate means (e.g., dispatch release, MEL (O) procedure, etc.): "For a landing conducted with one deactivated thrust reverser, ensure that both engine thrust levers are retarded to the IDLE detent for the flare and the touchdown. Select both thrust levers to reverse when applying reverse thrust," and</li> <li>i) Appropriate performance adjustments are applied.</li> </ol>	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**78. Engine Exhaust**

Sequence No.	Item	1	2	3	4	Change Bar
78-30-01	Thrust Reverser Systems (Cont'd)					
4)	A319neo/A320neo/A321neo with CFM LEAP-1A Engines with Mod. 165148/MP J4604 (BSCU P/N E21327307) (Cont'd)	C	2	1	NOTE: The BSCU standard P/N can be checked by AMM TASK 32-46-00-740-003-A BITE Test of the BSCU-LRU Identification.	
5)	A319neo/A320neo/A321neo with CFM LEAP-1A Engines without Mod. 165148/MP J4604 (BSCU P/N E21327307)	C	2	1	(M)(O) One may be inoperative provided: <ol style="list-style-type: none"> <li>a) Inoperative reverser is deactivated and secured in the stowed position and no operations or procedures require its use,</li> <li>b) ENG 1(2) REV INHIBITED caution is displayed on ECAM E/WD after deactivation,</li> <li>c) ENG 1(2) REV UNLOCKED caution is not present on ECAM E/WD after deactivation,</li> <li>d) The ICV is checked closed before each flight,</li> <li>e) Wheel brake tachometers operate normally,</li> <li>f) Main wheel braking system operates normally,</li> </ol>	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**78. Engine Exhaust**

Sequence No.	Item	1	2	3	4	Change Bar
78-30-01	Thrust Reverser Systems (Cont'd)					
5)	A319neo/A320neo/A321neo with CFM LEAP-1A Engines without Mod. 165148/MP J4604 (BSCU P/N E21327307) (Cont'd)	C	2	1	<p>g) Flightcrew is provided with the following statement via appropriate means (e.g., dispatch release, MEL (O) procedure, etc.): "For a landing conducted with one deactivated thrust reverser, ensure that both engine thrust levers are retarded to the IDLE detent for the flare and the touchdown. Select both thrust levers to reverse when applying reverse thrust," and</p> <p>h) Appropriate performance adjustments are applied.</p>	
78-30-02	Thrust Reverser Inhibition Relay Contacts (CFM) (Thrust Reverser Permission Switches (V2500))	C	4	2	(M) Two contacts may be inoperative provided they are on the same engine and the associated reverser is deactivated.	
78-30-07	T/R INDICATIONS (IAE, CFM, and PW Engines)	C	2	1	One may be inoperative provided the associated T/R is considered inoperative.	



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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**78. Engine Exhaust**

Sequence No.	Item	1	2	3	4	Change Bar
78-31-01	REVERSER CTL FAULT Caution on ECAM EWD					
1)	A319neo/A320neo/ A321neo with Mod. 165148/MP J4604 (BSCU P/N E21327307)	C	2	1	<p>(O) One may be inoperative provided:</p> <ol style="list-style-type: none"> <li>a) The BSCU P/N E21327307 is not installed,</li> <li>b) Wheel brake tachometers operate normally,</li> <li>c) Main wheel braking system operates normally, and</li> <li>d) Appropriate performance adjustments are applied.</li> </ol> <p>NOTE 1: The BSCU standard P/N can be checked by AMM TASK 32-46-00-740-003-A BITE Test of the BSCU-LRU Identification.</p> <p>NOTE 2: Flightcrew is provided with the following statement via appropriate means (e.g., dispatch release, MEL (O) procedure, etc.): "For a landing conducted with REVERSER CTL FAULT on one side, ensure that both engine thrust levers are retarded to the IDLE detent for the flare and the touchdown. Select both thrust levers to reverse when applying reverse thrust."</p>	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**78. Engine Exhaust**

Sequence No.	Item	1	2	3	4	Change Bar
78-31-01	REVERSER CTL FAULT Caution on ECAM EWD					
2)	A319neo/A320neo/ A321neo without Mod. 165148/MP J4604 (BSCU P/N E21327307)	C	2	1	(O) One may be inoperative provided: a) Wheel brake tachometers operate normally, b) Main wheel braking system operates normally, and c) Appropriate performance adjustments are applied.  NOTE: Flightcrew is provided with the following statement via appropriate means (e.g., dispatch release, MEL (O) procedure, etc.): "For a landing conducted with REVERSER CTL FAULT on one side, ensure that both engine thrust levers are retarded to the IDLE detent for the flare and the touchdown. Select both thrust levers to reverse when applying reverse thrust."	
31-02	REV MINOR FAULT Caution on ECAM EWD (A319neo/A320neo/ A321neo)	C	2	0	May be inoperative.	

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**TABLE KEY**

1. REPAIR CATEGORY
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4. REMARKS OR EXCEPTIONS

**79. Engine Oil**

Sequence No.	Item	1	2	3	4	Change Bar
79-20-01	Air Exchanger Air Valves (V2500 Engines Only)	C	2	1	(O) One may be inoperative open provided the tank fuel temperature is above -20 °C at takeoff.	
79-20-02 ***	EMCD Visual Pop-Out Indicator (CFM-5B)	D	2	0	One or both may be inoperative.	
79-20-03	Air Oil Cooler Valve (PW 6000 Engines Only)	C	2	1	(O) One may be inoperative in the open position provided: <ol style="list-style-type: none"> <li>a) The associated IDG operates normally,</li> <li>b) The inner tank fuel temperature on the affected side is checked above -20 °C before each flight, and</li> <li>c) Appropriate performance adjustments are applied.</li> </ol>	
		C	2	1	(O) One may be inoperative in the open position provided: <ol style="list-style-type: none"> <li>a) The inner tank fuel temperature on the affected side is checked above -10 °C before each flight, and</li> <li>b) Appropriate performance adjustments are applied.</li> </ol>	
79-23-01	ENG 1(2) BEARING 4 OIL SYS Alert  (IAE Engines with Mod. 24871/MP P3704)	A	2	0	May be inoperative provided: <ol style="list-style-type: none"> <li>a) HI PRESS message is not displayed under ENG 1(2) BEARING 4 OIL SYS caution on ECAM E/WD, and</li> <li>b) Repairs are made within 3 flight-days.</li> </ol>	

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**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**79. Engine Oil**

Sequence No.	Item	1	2	3	4	Change Bar
79-31-01	Oil Quantity Indications	B	2	1	(M) One may be inoperative provided: <ul style="list-style-type: none"> <li>a) Associated oil quantity is verified before each departure,</li> <li>b) There is no evidence of abnormal consumption or leakage, and</li> <li>c) Associated ENG OIL PRESS, OIL TEMP indications operate normally.</li> </ul>	
79-33-02	OIL LO PR Warning on ECAM EWD (IAE or CFM 56 Engines Only)	C	2	1	One may be inoperative.	
		C	2	0	May be inoperative provided RCDR GND CTL is verified ON after engines are started.	
					NOTE: Simultaneous illumination of BLUE ELEC PUMP pbsw FAULT light and ENG 1(2) PUMP pb-sw FAULT light with engines off may be due to a failed engine oil low pressure switch. In this case, OIL LO PR warning is inoperative, not displayed and dispatch is not possible.	
79-35-01	OIL FILTER CLOG Indications on ECAM Engine System Page					
1)	CFM or IAE Engines Excluding Those with S/Ns V10600 to V11304 and V11315, V11330, V11335 (Not Including V11280, V11302)	C	2	1	One may be inoperative.	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**79. Engine Oil**

Sequence No.	Item	1	2	3	4	Change Bar
79-35-01	OIL FILTER CLOG Indications on ECAM Engine System Page (Cont'd)					
2)	IAE Engines S/Ns V10600 to V11304 and V11315, V11330, V11335 (Not Including V11280, V11302) without #3 FAG Bearing P/N 2A1165 Installed	C	2	1	One may be inoperative.	
3)	IAE Engines S/N V10600 to V11304 and V11315, V11330, V11335 (Not Including V11280 V11302) with #3 FAG Bearing P/N 2A1165 Installed	C	2	1	(M) One may be inoperative provided oil filter screen and chip detector on associated engine are checked and verified clear of contaminants once each flight-day.	
4)	PW Engines	C	2	1	One may be inoperative.	
79-35-02	OIL FILTER CLOG Caution on ECAM EWD					
1)	CFM 56-5A Engines	C	2	1	(M) One may be inoperative provided: a) Associated filter is replaced once each flight-day, and b) Chip detectors are inspected when the filter is replaced and do not reveal the presence of metal chips or other contaminants.	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
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3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**79. Engine Oil**

Sequence No.	Item	1	2	3	4	Change Bar
79-35-02	OIL FILTER CLOG Caution on ECAM EWD (Cont'd)					
2)	CFM 56-5B Engines	C	2	1	(M) One may be inoperative provided: a) Associated filter is replaced once each flight-day, and b) Visual indicator (pop-out) on the electrical master chip detector is inspected when the filter is replaced and does not reveal the presence of metal chips or other contaminants.	
3)	PW 6000 Engines	C	2	1	(M) One may be inoperative provided: a) The associated filter is changed within the first day and every 7 calendar-days, and b) The associated master chip detector is inspected when the filter is replaced and does not reveal the presence of magnetic chips.	
(Continued)						

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**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**79. Engine Oil**

Sequence No.	Item	1	2	3	4	Change Bar
79-35-02	OIL FILTER CLOG Caution on ECAM EWD (Cont'd)					
4)	PW 1100G and CFM LEAP-1A Engines without Mod. 162159/ MP P20466 (FWC H2-F10)	C	2	1	(M) One may be inoperative provided: a) Associated filter is replaced before next flight and then every 150 flight-hours, and b) Associated magnetic chip detectors are inspected when filter is replaced and do not reveal presence of chips.	       
		C	2	1	(M) One may be inoperative provided: a) Associated filter is replaced before next flight and then every 150 flight-hours, b) Associated Oil Debris Monitoring System is verified operative when filter is replaced, and c) Associated ENG 1(2) OIL CHIP DETECTED caution was not displayed on EWD during previous flight.	           
(Continued)						

## 79. Engine Oil

Sequence No.	Item	1	2	3	4	Change Bar
79-35-02	OIL FILTER CLOG Caution on ECAM EWD (Cont'd)					
4)	PW 1100G and CFM LEAP-1A Engines without Mod. 162159/ MP P20466 (FWC H2-F10) (Cont'd)					
		A	2	1	(M) One may be inoperative provided: a) Associated ENG 1(2) OIL FILTER DEGRAD caution was not displayed on EWD during previous flight, and b) Associated magnetic chip detectors are inspected and do not reveal presence of chips, and c) Repairs are made within 3 calendar-days or 30 flight-hours, whichever occurs first.	
		A	2	1	(M) One may be inoperative provided: a) Associated ENG 1(2) OIL FILTER DEGRAD caution was not displayed on EWD during previous flight, b) Associated ENG 1(2) OIL CHIP DETECTED caution was not displayed on EWD during previous flight, c) Associated Oil Debris Monitoring System is verified operative, and d) Repairs are made within 3 consecutive calendar-days or 30 flight-hours, whichever occurs first.	
					(Continued)	



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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**79. Engine Oil**

Sequence No.	Item	1	2	3	4	Change Bar
79-35-02	OIL FILTER CLOG Caution on ECAM EWD (Cont'd)					
5)	PW 1100G and CFM LEAP-1A Engines with Mod. 162159/ MP P20466 (FWC H2-F10)	C	2	1	(M) One may be inoperative provided: a) Associated filter is replaced before next flight and then every 150 flight-hours, and b) Associated magnetic chip detectors are inspected when filter is replaced and do not reveal presence of chips.	
		C	2	1	(M) One may be inoperative provided: a) Associated filter is replaced before next flight and then every 150 flight-hours, b) Associated Oil Debris Monitoring System is verified operative when filter is replaced, and c) Associated ENG 1(2) OIL CHIP DETECTED caution was not displayed on EWD during previous flight.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**79. Engine Oil**

Sequence No.	Item	1	2	3	4	Change Bar
79-35-02	OIL FILTER CLOG Caution on ECAM EWD (Cont'd)					
5)	PW 1100G and CFM LEAP-1A Engines with Mod. 162159/ MP P20466 (FWC H2-F10) (Cont'd)	A	2	1	(M) One may be inoperative provided: a) Associated ENG 1(2) OIL FILTER PARTLY CLOGGED caution was not displayed on EWD during previous flight, b) Associated magnetic chip detectors are inspected and do not reveal presence of chips, and c) Repairs are made within 3 consecutive calendar-days or 30 flight-hours, whichever occurs first.	
		A	2	1	(M) One may be inoperative provided: a) Associated ENG 1(2) OIL FILTER PARTLY CLOGGED caution was not displayed on EWD during previous flight, b) Associated ENG 1(2) OIL CHIP DETECTED caution was not displayed on EWD during previous flight, c) Associated Oil Debris Monitoring System is verified operative, and d) Repairs are made within 3 consecutive calendar-days or 30 flight-hours, whichever occurs first.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**79. Engine Oil**

Sequence No.	Item	1	2	3	4	Change Bar
79-35-03	OIL FILTER DEGRAD or OIL FILTER PARTLY CLOGGED Caution on ECAM EWD					
1)	(PW 1100G and CFM LEAP-1A Engines)	A	2	1	One may be inoperative for a maximum of 3 calendar-days or 30 flight-hours, whichever occurs first.	
		C	2	1	(M) One may be inoperative provided: a) Associated filter is replaced before the next flight and then every 150 flight-hours, and b) Associated magnetic chip detectors are inspected when the filter is replaced and do not reveal the presence of chips.	
		C	2	1	(M) One may be inoperative provided: a) Associated filter is replaced before the next flight and then every 150 flight-hours, b) Associated Oil Debris Monitoring System is verified operative when the filter is replaced, and c) Associated ENG 1(2) OIL CHIP DETECTED was not displayed on the EWD during the previous flight.	

## 79. Engine Oil

Sequence No.	Item	1	2	3	4	Change Bar
79-35-04	OIL SENSOR FAULT Caution on ECAM EWD					
1)	CFM LEAP-1A Engines without Mod. 162159/MP P20466 (FWC H2-F10)	A	2	1	One may be inoperative provided: a) Associated ENG 1(2) OIL FILTER DEGRAD caution was not displayed during previous flight on EWD, and b) Repairs are made within 3 consecutive calendar-days or 30 flight-hours, whichever occurs first.	
		C	2	1	(M) One may be inoperative provided: a) Associated filter is replaced before next flight and then every 150 flight-hours, and b) Associated magnetic chip detectors are inspected when filter is replaced and do not reveal presence of chips.	
		C	2	1	(M) One may be inoperative provided: a) Associated filter is replaced before next flight and then every 150 flight-hours, b) Associated Oil Debris Monitoring System is verified operative when filter is replaced, and c) Associated ENG 1(2) OIL CHIP DETECTED caution was not displayed on EWD during previous flight.	
					(Continued)	

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

Sequence No.	Item	1	2	3	4	Change Bar
79-35-04	OIL SENSOR FAULT Caution on ECAM EWD (Cont'd)					
2)	CFM LEAP-1A Engines with Mod. 162159/ MP P20466 (FWC H2-F10)	A	2	1	One may be inoperative provided: a) Associated ENG 1(2) OIL FILTER PARTLY CLOGGED caution was not displayed during previous flight on EWD, and b) Repairs are made within 3 consecutive calendar-days or 30 flight-hours, whichever occurs first.	
		C	2	1	(M) One may be inoperative provided: a) Associated filter is replaced before next flight and then every 150 flight-hours, and b) Associated magnetic chip detectors are inspected when filter is replaced and do not reveal presence of chips.	
		C	2	1	(M) One may be inoperative provided: a) Associated filter is replaced before next flight and then every 150 flight-hours, b) Associated Oil Debris Monitoring System is verified operative when filter is replaced, and c) Associated ENG 1(2) OIL CHIP DETECTED caution was not displayed on EWD during previous flight.	
					(Continued)	

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AIRCRAFT:  
Airbus A320**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**79. Engine Oil**

Sequence No.	Item	1	2	3	4	Change Bar
79-35-04	OIL SENSOR FAULT Caution on ECAM EWD (Cont'd)					
3)	PW 1100G without Mod. 167244/MP P21270 (FCS 6.0) and without Mod. 162159/MP P20466 (FWC H2-F10)	A	2	1	One may be inoperative provided: a) Associated ENG 1(2) OIL FILTER DEGRAD caution was not displayed during previous flight on EWD, and b) Repairs are made within 3 consecutive calendar-days or 30 flight-hours, whichever occurs first	
		C	2	1	(M) One may be inoperative provided: a) Associated filter is replaced before next flight and then every 150 flight-hours, and b) Associated magnetic chip detectors are inspected when filter is replaced and are confirmed to be within limits defined in AMM.	
		C	2	1	(M) One may be inoperative provided: a) Associated filter is replaced before next flight and then every 150 flight-hours, b) Associated Oil Debris Monitoring System is verified operative when filter is replaced, and c) Associated ENG 1(2) OIL CHIP DETECTED caution was not displayed on EWD during previous flight.	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**79. Engine Oil**

Sequence No.	Item	1	2	3	4	Change Bar
79-35-04	OIL SENSOR FAULT Caution on ECAM EWD (Cont'd)					
4)	PW 1100G without Mod. 167244/ MP P21270 (FCS 6.0) and with Mod. 162159/ MP P20466 (FWC H2-F10)	A	2	1	One may be inoperative provided: a) Associated ENG 1(2) OIL FILTER PARTLY CLOGGED caution was not displayed during previous flight on EWD, and b) Repairs are made within 3 consecutive calendar-days or 30 flight-hours, whichever occurs first.	
		C	2	1	(M) One may be inoperative provided: a) Associated filter is replaced before next flight and then every 150 flight-hours, and b) Associated magnetic chip detectors are inspected when filter is replaced and are confirmed to be within limits defined in AMM.	
		C	2	1	(M) One may be inoperative provided: a) Associated filter is replaced before next flight and then every 150 flight-hours, b) Associated Oil Debris Monitoring System is verified operative when filter is replaced, and c) Associated ENG 1(2) OIL CHIP DETECTED caution was not displayed on EWD during previous flight.	
(Continued)						

AIRCRAFT: Airbus A320		<b>TABLE KEY</b> 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS			
<b>79. Engine Oil</b>					
Sequence No.	Item	1	2	3	4
79-35-04	OIL SENSOR FAULT Caution on ECAM EWD (Cont'd)				
5)	PW 1100G with Mod. 167244/ MP P21270 (FCS 6.0) and without Mod. 162159/ MP P20466 (FWC H2-F10)	A	2	1	One may be inoperative provided: a) Associated ENG 1(2) OIL FILTER DEGRAD caution was not displayed during the previous flight on EWD, and b) Repairs are made within 3 consecutive calendar-days or 30 flight-hours, whichever occurs first
		C	2	1	(M) One may be inoperative provided: a) It is verified before next flight that CFDS does not report any fault related to ODM or PHMU electrical failure, b) Associated filter is replaced before next flight and then every 150 flight-hours, and c) Associated magnetic chip detectors are inspected when filter is replaced and are confirmed to be within limits defined in AMM.
		C	2	1	(M) One may be inoperative provided: a) It is verified before next flight that CFDS does not report any fault related to ODM or PHMU electrical failure, b) Associated filter is replaced before next flight and then every 150 flight-hours, and c) Associated ENG 1(2) OIL CHIP DETECTED caution was not displayed on EWD during previous flight.
(Continued)					



1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

Sequence No.	Item	1	2	3	4	Change Bar
79-35-04	OIL SENSOR FAULT Caution on ECAM EWD (Cont'd)					
5)	PW 1100G with Mod.167244/ MP P21270 (FCS 6.0) and without Mod. 162159/ MP P20466 (FWC H2-F10) (Cont'd)	C	2	1	(M) One may be inoperative provided: a) It is verified before next flight that CFDS does not report any fault related to oil filter delta pressure sensor, and b) Associated magnetic chip detectors are inspected before next flight and then every 75 flight-hours and are confirmed to be within limits defined in AMM.	
6)	PW 1100G with Mod. 167244/ MP P21270 (FCS 6.0) and with Mod. 162159 /MP P20466 (FWC H2-F10)	A	2	1	One may be inoperative provided: a) Associated ENG 1(2) OIL FILTER PARTLY CLOGGED caution was not displayed during previous flight on EWD, and b) Repairs are made within 3 consecutive calendar-days or 30 flight-hours, whichever occurs first.	
(Continued)						

AIRCRAFT: Airbus A320		<b>TABLE KEY</b> 1. REPAIR CATEGORY 2. NO. INSTALLED 3. NO. REQUIRED FOR DISPATCH 4. REMARKS OR EXCEPTIONS			
<b>79. Engine Oil</b>					
Sequence No.	Item	1	2	3	4
79-35-04	OIL SENSOR FAULT Caution on ECAM EWD (Cont'd)				
6)	PW 1100G with Mod. 167244/MP P21270 (FCS 6.0) and with Mod. 162159/MP P2046 6 (FWC H2-F10) (Cont'd)	C	2	1	(M) One may be inoperative provided: a) It is verified before next flight that CFDS does not report any fault related to ODM or PHMU electrical failure, b) Associated filter is replaced before next flight and then every 150 flight-hours, and c) Associated magnetic chip detectors are inspected when filter is replaced and are confirmed to be within limits defined in AMM.
		C	2	1	(M) One may be inoperative provided: a) It is verified before next flight that CFDS does not report any fault related to ODM or PHMU electrical failure, b) Associated filter is replaced before next flight and then every 150 flight-hours, and c) Associated ENG 1(2) OIL CHIP DETECTED caution was not displayed on EWD during previous flight.
		C	2	1	M) One may be inoperative provided: a) It is verified before next flight that CFDS does not report any fault related to oil filter delta pressure sensor, and b) Associated magnetic chip detectors are inspected before next flight and then every 75 flight-hours and are confirmed to be within limits defined in AMM.

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**79. Engine Oil**

Sequence No.	Item	1	2	3	4	Change Bar
79-35-05	OIL CHIP DETECTED Caution on ECAM EWD					
1)	PW 1100G Engines without Mod. 167244/ MP P21270 (FCS 6.0)	A	2	1	One may be inoperative on EWD for a maximum of 5 flights or 10 flight-hours, whichever occurs first.	
		A	2	1	(M) One may be inoperative on EWD for a maximum of 3 calendar days or 30 flight-hours, whichever occurs first, provided it is verified before next flight and then once each flight-day, that CFDS does not report any fault related to oil debris overlimit detection.	
		C	2	1	(M) One may be inoperative on EWD provided: <ol style="list-style-type: none"> <li>a) It is verified before next flight and then once each flight-day, that CFDS does not report any fault related to oil debris overlimit detection, and</li> <li>b) Associated magnetic chip detectors are inspected before next flight and then every 75 flight-hours, and are confirmed to be within the limits defined in AMM.</li> </ol>	
(Continued)						

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**79. Engine Oil**

Sequence No.	Item	1	2	3	4	Change Bar
79-35-05	OIL CHIP DETECTED Caution on ECAM EWD (Cont'd)					
2)	PW 1100G Engines with Mod. 167244/ MP P21270 (FCS 6.0)	A	2	1	One may be inoperative on EWD for a maximum of 5 flights or 10 flight-hours, whichever occurs first.	

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<p>AIRCRAFT: Airbus A320</p>	<p><b>TABLE KEY</b></p> <ol style="list-style-type: none"> <li>1. REPAIR CATEGORY</li> <li>2. NO. INSTALLED</li> <li>3. NO. REQUIRED FOR DISPATCH</li> <li>4. REMARKS OR EXCEPTIONS</li> </ol>
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**80. Starting**

Sequence No.	Item	1	2	3	4	Change Bar
80-11-01	Start Valve System					
1)	Valves					
a)	CFM/IAE Engines	C	2	1	(M)(O) One may be inoperative provided: a) Valve is manually closed after engine start, and b) Associated igniter system operates normally.	
b)	PW 6000 Engines	C	2	1	(M)(O) One may be inoperative provided: a) Valve is manually closed after engine start, b) Associated igniter system operates normally, and c) Associated ENG 1(2) START VALVE FAULT START VALVE NOT CLOSED caution is not displayed on ECAM EWD after engine start.	
c)	PW 1100G Engines without Mod. 167039/MP P21513 (iCARE)	C	2	1	(M)(O) One may be inoperative provided: a) Required shutdown time is checked before starting affected engine, and b) Valve is manually closed after engine start.	     
(Continued)						

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AIRCRAFT:  
Airbus A320

**TABLE KEY**

1. REPAIR CATEGORY
2. NO. INSTALLED
3. NO. REQUIRED FOR DISPATCH
4. REMARKS OR EXCEPTIONS

**80. Starting**

Sequence No.	Item	1	2	3	4	Change Bar
80-11-01	Start Valve System (Cont'd)					
1)	Valves (Cont'd)					
d)	PW 1100G Engines with Mod. 167039/ MP P21513 (iCARE)	C	2	1	M)(O) One may be inoperative provided: a) Required shutdown time is checked before starting affected engine, and b) Valve is manually closed after engine start.	
		C	2	1	M)(O) One may be inoperative provided: a) APU bleed air supply system is operative, b) Start Valve Manual Override function is checked operative, and c) Valve is manually closed after engine start.	
80-11-02	ENG MAN START Controls	C	2	0	One or both may be inoperative.	
80-11-03	FAULT Light on ENGINE MASTER Panel	C	2	0	One or both may be inoperative.	
80-11-04	ECAM Start Valve Position Indicators (Lower Display)	C	2	0	(M) May be inoperative provided start valve is verified closed after engine start.	
80-11-05	AUTOSTART Controls	C	2	0	(O) May be inoperative provided manual start procedures are used.	
80-11-06	DUAL COOLING Control (A319neo/A320neo/ A321neo with PW 1100G Engines and Mod. 161854/ MP P15967)	D	1	0	May be inoperative.	