

UNAPPROVED PARTS NOTIFICATION

SUSPECTED UNAPPROVED PARTS PROGRAM OFFICE, AVR-20
13873 PARK CENTER ROAD, SUITE 165
HERNDON, VA 20171



U.S. Department
of Transportation
**Federal Aviation
Administration**

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AFFECTED AIRCRAFT

All aircraft.

PURPOSE

The purpose of this notification is to advise all aircraft owners, operators, manufacturers, maintenance organizations, and parts distributors regarding improper maintenance performed on aircraft parts and accessories.

BACKGROUND

Joint investigations conducted by the Federal Aviation Administration (FAA), the Department of Transportation-Office of Inspector General, and the Defense Criminal Investigative Service revealed that Gateway Air Repair, Inc. (Gateway), improperly maintained and approved for return to service various aircraft parts and accessories. Gateway, located at 2000 NW 96th Avenue, Miami, FL 33172, previously held Air Agency Certificate No. QG9R208X with Class 1 and Class 2 accessory ratings. Discrepancies noted in Gateway's practices included:

- Failure to ensure cleaning, inspection, reassembly, and testing to the tolerances and limits of approved technical data.
- Falsification of maintenance record entries.
- Failure to ensure proper qualifications of employees who performed maintenance.
- Failure to use the methods, techniques, and practices, as well as failure to perform work in accordance with current standards and technical data, acceptable to the Administrator.
- Failure to have available the tools and equipment necessary to perform maintenance on parts and accessories approved for return to service by Gateway.

Gateway, which operated as a certificated repair station between October 2001 and December 2003, represented itself as having the capability to maintain the attached list of parts and accessories.

RECOMMENDATIONS

Regulations require that type-certificated products conform to their type design. Aircraft owners, operators, maintenance organizations, and parts suppliers and distributors should inspect their aircraft, aircraft records, and/or parts inventories for parts approved for return to service by Gateway. Suspect parts installed on aircraft should be inspected for conformity to type design. If any are found in existing stock, it is recommended that the parts be quarantined to prevent installation until a determination can be made regarding each part's eligibility for installation.

FURTHER INFORMATION

Further information concerning this investigation and guidance regarding the above-referenced parts and accessories may be obtained from the FAA Flight Standards District Office (FSDO) given below.

In addition to the above recommendations, the FAA would appreciate any information concerning the discovery of the parts, the means used to identify the source, and the action taken to remove any part from service.

This notice originated from the Miami FSDO, 8600 NW 36th Street, Suite 201, Miami, FL 33166, telephone (305) 597-7681, fax (305) 716-3456; and was published through the FAA Suspected Unapproved Parts Program Office, AVR-20, telephone (703) 668-3720, fax (703) 481-3002.

Part Number	Description	Manufacturer
1-852-51	Fuel Shutoff Valve	Schultz
10-60529-7		
10-700-2	Positioner	P.L.Porter
1005910-Series	Hyd Pressure Rlf Valve	Bendix
1009350-Series	Rotary Actuator	Bendix
102150-Series	Outflow Valve	Airesearch
1027T100 Series	Actuator	Telair
103036 Series	Safety Valve	Airesearch
103280-X-X (SERIES)	Safety Valve	Allied
1040T100-5	Spoller Actuator	Telair
104156	Shutoff Valve	Allied
10470 Series	Motor Driven Hyd Pump	Sundstrand
105394-475-7	S/O Pressure Regulator	Airesearch
106040-X-X (Series)	Air Flow Regulator	Airesearch
106616-X-X (Series)	Air Flow Regulator	Airesearch
106892-X-X (Series)	Flow Sensing Ventury	Honeywell
107494-X (Series)	Check Valve	Honeywell
108736-760-X (Series)	Regulator	Airesearch
109644-X-X	Valve Assembly	Airesearch
111069-020-03	Hydraulic Pump	Pemco
1121S-X-X	Flow Regulator Valve	Waterman
112524-XXX-XX (Series)	Hydraulic Pump	Pesco
122594-X-X	Shutoff Valve	Garrett
123510-XXX-XX	Fuel Booster Pump	Pesco
123558-X-X	Check Valve	Allied
123562-X-X	Check Valve	Allied
129150-X-X	Thermostat	Honeywell
129307	Servo Control Actuator	Parker
1333-613233M1	Valve Assembly	Parker
1356-603399	Hydraulic Accumulator	Parker
1372-X	Control Assembly	NWL
13930	Valve Assembly	Weston
14080-1	Valve Assembly	Weston
1433-613187	Actuator	Parker
144213-010-01	Water Pump	Pesco
146505-XX (Series)	Valve Assembly	Whittaker
147425-X	Rotary Shutoff Valve	Whittaker
1855E Series	Wing Flap Brake	Western Gear
190772-2	Valve Assembly	Allied
1U1065	Compensator	Smiths
1U1087	Power Control Valve	Smiths
1U1095 Series	Slat Actuator	Smiths
1U1103 Series	Leading Edge Actuator	Smiths

1U1110	Flap Actuator	Smiths
2-690029-10	Slat Actuator	Dowty Decoto
205520 Seires	Servo Valve	Textron
21450 Series	Actuator	Bertea
21520 Series	Fan Assembly	Sundstrand
223585	Shutoff Valve	Whittaker
23048 Series	Generator	TRW
23079 Series	Generator	TRW
2515-2	Actuator	Grimes
258000 Series	Booster Pump	Argo
27500 Series	Hydraulic Load Sensor	Bertea
28470 Series	Power Brake Valve	Moog
28B58 Seires	Generator	Bendix
2CM9XXXX Series	Tach Generator	Ametek
30-1099 Series	Strobe Light	Grimes
31400	Load Control	Bertea
32-2861-001	Air Shutoff Valve	Janitrol
320115	Shutoff Valve	Whittaker
320362 Series	Shutoff Valve	Allied
3213722 Series	Pressure Reg Valve	Garrett
3214176 Series	Valve Assembly	Garrett
321502 Series	Shutoff Valve	Allied
321858 Series	Shutoff Valve	Allied
321942 Series	Shutoff Valve	Allied
3609480 Series	Multiple Switch	Honeywell
364697-1	Rudder Control	LAC
370750 Series	Cylinder assy	LAC
371380	Hydraulic Pump	Vickers
371688 Series	Fuel Pump And Control	Garrett
3760963	Rudder Load-Feel Mec	Janitrol
3772374-5501	Shutoff Valve	Douglas
3774514 Series	Lockout Cylinder	Douglas
38E73 Series	Air Control Valve	Parker
39-075	Dual Press,Control Valve	Hydraire
391012-01001	Oil Qty Transmitter	BFGoodrich
3912964-5501	Oil Qty Transmitter	BFGoodrich
392550 Series	Air Flow Regulator	Allied
392678 Series	Pressure Reg Valve	Allied
392686 Series	Differential Press Regulator	Allied
392704 Series	Shutoff Air Regulator	Honeywell
392708 Series	Air Regulator	Allied
392716 Series	Butterfly Valve	Allied
392796 Series	Pressure Reg Valve	Garrett
392914 Series	Shutoff Air Regulator	Honeywell

392964 Series	Pressure Reg Valve	Allied
398540 Series	Shutoff Valve	Honeywell
4-156-X Series	Fuel Vent Valve	
40-581	Wheel Speed Transducer	Hydroaire
40-621	Wheel Speed Transducer	Hydroaire
4005-2	Motor	Nash
40088	Pressure switch	hydroelectric
40122	Pressure switch	hydroelectric
40173	Pressure switch	hydroelectric
40174	Pressure switch	hydroelectric
40D990	Bypass Valve	Crocker
42086	Switch	Custom Control
42G88	Switch	Custom Control
45-0083 Series	Landing Light	Grimes
47560	Directional Control	Sterer
497T100 Series	Shutoff Valve	Telair
4A037 Series	Hydraulic Valve	Arkwin
50150 Series	Hydraulic Valve	Hydraulic Research
502600 Series	Directional Control	Accy Products
525374	Rotary Actuator	Airesearch
52760	Aux Manual Valve	Sterer
541248 Series	Rotary Actuator	Allied
541674 Series	Actuator	Allied
544472 Series	Actuator	Garrett
55098 Series	Hydraulic Pump	Parker
5701801	Ball Screw	Saginaw
57037	Pump and Motor	Parker
5714709 Series	Aileron Power Actuator	Douglas
5714715 Series	Gland Assembly	Douglas
572180-2	Rotary Vacuum Pump	Honeywell
5765016 Series	Rudder Damper	Douglas
5914890-5001	Thrust Reverser Ctl Valve	Douglas
5918125 Series	Damper Assembly	Douglas
60-369A	Fuel Booster Pump	Hydroaire
60-371C	Fuel Booster Pump	Hydraulic Research
61B3-1-A	Generator Shaft Disconnect	Bendix
634826	Hydraulic Cylinder	pemco
65-17812 Series	Nose Gear Actuator	Boeing
65-17820 Series	Hydraulic actuator	Boeing
65-17821 Series	Hyd Modular Package	Boeing
65-17823 Series	Hyd Modular Package	Boeing
65-22944 Series	Gearbox Assy	Boeing
65-23557 Series	Flap Drive Gearbox	Boeing
65-40467 Series	Nose Gear Actuator	Boeing

65-44561 Series	Flight Spoiler PCU	Boeing
65-44691 Series	Modular Package	Boeing
65-57280 Series	Spoiler System Modular	Boeing
65-74045	Rudder Trim Ctl Actuator	Boeing
65066 Series	Hydraulic Pump	Parker
6562	Fuel Shutoff Valve	JC Carter
6563	Fuel Shutoff Valve	JC Carter
6577-1	Vaneaxial Fan	Sundstrand
66039	Hydraulic Pump	Parker
67-2908 Series	Air Shutoff Valve	Grimes
6794215	Coordinator	Allison
69-14106 Series	Cylinder assy	Boeing
693657 Series	Switch	Garrett
7-3141 Series	MLG Door Actuator	Sargent
70262	Restrictor Valve	Adel
720737-5	Safety Valve	Hamilton
75130	Servo Valve	Parker
7551901	Filter Assy	PTI
793T100 Series	Wing Flap Drive Unit	Telair
8037M1	Elevator Trim Tab Actuator	Calco
8348M1	Gear/Brake Assy	Calco
8430M4	MLG Ball Screw Assy	Calco
898126 Series	Pressure Reg Valve	Garrett
915-8D27	Hand Pump	Parker
9590 Series	Brake Motor Assy	Sundstrand
976J119 Series	Generator	Westinghouse
979070 Series	Shutoff Valve	Allied
979078 Series	Shutoff Valve	Airesearch
979254 Series	Shutoff Valve	Airesearch
9A022-1	Hydraulic Valve	Arkwin
A487 Series	Elev Trm Tab Jack Screw	Lundy
A489 Series	Elev Trim Tab Actuator	Lundy
AE2428-1	Main Actuating Cylinder	AE
AV13J5144	Selector Valve	ITT
AV16B-1363D	Gate Valve	General Control
AV16B1519D	Gate Valve	ITT
AV16E1209D	Shutoff Valve	ITT
B52C22	Shutoff Valve	Janitrol
C7041 Series	Electro Mechanical Actuator	Calco
C7088 Series	Wing Flap Drive Gearbox	Calco
DYLZ3990 Series	Valve And Actuator	Barber Colman
DYLZ3991 Series	Valve And Actuator	Barber Colman
DYLZ5857 Series	Valve And Actuator	Barber Colman
E6020M32 Series	Motor	Plessey

EA1045 Series	Hydraulic Motor Pump	Vickers
EA1065AW Series	Oil Qty Tank Unit	Liquido
EA50182 Series	Hydraulic Motor Pump	Vickers
F60W0233M1	Float Valve Assy	Parker
H61C0552M1	Check Valve	Parker
L16-8-3	Electro Mechanical Actuator	Plessey
M913-1	Check Valve	Aero Control
MF30-3913 Series	Hydraulic Motor	Vickers
MF60-3906 Series	Hydraulic Motor	Vickers
MPEV3-032 Series	Motor Pump	Vickers
MS9-3911 Series	Hydraulic Motor	Vickers
R-1596M5	Linear Actuator	Smiths
R-5210M12	Linear Actuator	Plessey
R1597-23	Actuator	Smiths
R1631M1-1	Rotary Actuator	Plessey
R5303-51	Linear Actuator	Plessey
R84-1001-42-3A	Cable Tension Regulator	Pacific
RR11640D1	Centrifugal Fuel Pump	Lear Romec
RR12860A	Fuel Booster Pump	Lear Romec
S48-1A-1	Switch	LAC
SLO5400-01	Single Stroke Hydrol	PL Porter
T602-24	Rudder trim Control	Avionics
TB137600-3	Fuel Pump	TRW
UA524240-1	Fuel Heater And Strainer	UAP