

# UNAPPROVED PARTS NOTIFICATION

Flight Standards Service



**FAA**  
Aviation Safety

No.: 2008-200700130

Date: March 26, 2008

<http://www.faa.gov/aircraft/safety/programs/sups/upn>

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## **AFFECTED PRODUCTS**

The Nichols Airborne F7-51 series electronic controller. The Nichols Airborne F7-51 controller is a subcomponent of Nichols 1H85 airborne ambient and bleed air flow control systems installed on Beech Super King Air. Beech part numbers 101-380025-11 and 101-380025-17 are the equivalent of Nichols Airborne part numbers F7-51-3 and F7-51-5, respectively.

## **PURPOSE**

This notification advises all aircraft owners, operators, manufacturers, maintenance organizations, part suppliers, and parts distributors regarding improper maintenance performed on aircraft accessories.

## **BACKGROUND**

Information received during a Federal Aviation Administration (FAA) suspected unapproved parts investigation revealed that between July 2005 and July 2007 Stevens Aviation, Inc., located at 3500 Hangar Drive, Vandalia, OH 45377, improperly repaired or overhauled and approved for return to service various electronic controllers. Stevens Aviation, Inc., holds FAA Air Agency Certificate No. VIB4368K.

Evidence indicates Stevens Aviation, Inc., approved electronic controllers for return to service that were not repaired or overhauled in accordance with the methods, techniques, and practices prescribed in the current manufacturer's maintenance manuals.

Stevens Aviation Inc., has attempted to notify its customers through recall letters; however, some of the electronic controllers could not be located.

## **RECOMMENDATIONS**

Regulations require that type-certificated products conform to their type design. Aircraft owners, operators, maintenance organizations, part suppliers, and parts distributors should inspect their aircraft, aircraft records, and/or parts inventories for any electronic controller work accomplished between July 2005 and July 2007 by Stevens Aviation, Inc. If you find any electronic controllers installed on aircraft, you should take appropriate action. If you find any electronic controllers in existing inventory, we recommend quarantine to prevent installation until each controller's compliance with the manufacturer's maintenance manuals is determined.

Attached is a partial list of electronic controllers that Stevens Aviation, Inc., may have repaired or overhauled and approved for return to service.

## FURTHER INFORMATION

You can obtain further information concerning this investigation and guidance regarding the above-referenced electronic controllers 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 electronic controllers from any source, the means used to identify the source, and the action taken to remove the controllers from service.

This notice originated from the FAA Cincinnati FSDO, 4358 Ferguson Dr., Cincinnati, OH 45245, telephone (513) 842-9600, fax (513) 842-9620.

### Partial List of Improperly Overhauled Electronic Controllers

Beech part numbers 101-380025-11 and 101-380025-17 are the equivalent of Nichols Airborne part numbers F7-51-3 and F7-51-5, respectively.

Work Order Number	Part Name	Part Number	Serial Number
DAY24131	Electronic Controller	101-380025-11	7AJ62
DAY24560	Electronic Controller	101-380025-11	10AM159
DAY24631	Electronic Controller	101-380025-11	11KO576
DAY24729	Electronic Controller	101-380025-11	3W-0338
DAY24843	Electronic Controller	101-380025-11	8AK40
DAY24851	Electronic Controller	101-380025-11	4AM35
DAY24851	Electronic Controller	101-380025-17	8AK51
DAY24976	Electronic Controller	101-380025-11	11AN136
DAY24987	Electronic Controller	101-380025-17	8AC36
DAY25085	Electronic Controller	101-380025-17	4188
DAY25090	Electronic Controller	101-380025-17	1AN13
DAY25090	Electronic Controller	101-380025-17	50
DAY25140	Electronic Controller	101-380025-11	11AK108
DAY25143	Electronic Controller	101-380025-17	8AT54
DAY25149	Electronic Controller	101-380025-11	8AA57
DAY25158	Electronic Controller	101-380025-11	2KO160
DAY25203	Electronic Controller	101-380025-11	3AD21
DAY25234	Electronic Controller	101-380025-11	7AJ67
DAY25268	Electronic Controller	101-380025-11	8AA59
DAY25281	Electronic Controller	101-380025-11	4192
DAY25313	Electronic Controller	101-380025-11	8AB87
DAY25313	Electronic Controller	101-380025-17	8AK87
DAY25381	Electronic Controller	101-380025-11	1AK9
DAY25382	Electronic Controller	101-380025-11	6AP79
DAY25391	Electronic Controller	101-380025-11	10AE140
DAY25450	Electronic Controller	101-380025-11	3K0066-0
DAY25451	Electronic Controller	101-380025-11	11AE178
DAY25453	Electronic Controller	101-380025-11	12AN167
DAY25454	Electronic Controller	101-380025-11	10AM184
DAY25455	Electronic Controller	101-380025-11	102505-1

<b>Work Order Number</b>	<b>Part Name</b>	<b>Part Number</b>	<b>Serial Number</b>
DAY25473	Electronic Controller	101-380025-17	4200
DAY25473	Electronic Controller	101-380025-17	4201
DAY25552	Electronic Controller	101-380025-11	3AD16
DAY25556	Electronic Controller	101-380025-11	10AM153
DAY25556	Electronic Controller	101-380025-17	12AF157
DAY25557	Electronic Controller	101-380025-11	4AA0019
DAY25558	Electronic Controller	101-380025-11	2443
DAY25560	Electronic Controller	101-380025-11	12AK126
DAY25713	Electronic Controller	101-380025-11	8AA59
DAY25714	Electronic Controller	101-380025-11	11AJ113
DAY25715	Electronic Controller	101-380025-11	1AB6
DAY25738	Electronic Controller	101-380025-11	9AP103
DAY25788	Electronic Controller	101-380025-17	2AN38
DAY25823	Electronic Controller	101-380025-17	FA64
DAY25871	Electronic Controller	101-380025-17	2022
DAY25871	Electronic Controller	101-380025-17	4210
DAY25897	Electronic Controller	101-380025-11	12AK126
DAY25906	Electronic Controller	101-380025-11	1AT3
DAY25907	Electronic Controller	101-380025-11	8AL61
DAY25944	Electronic Controller	101-380025-11	2AR20
DAY25944	Electronic Controller	101-380025-11	4AD29
DAY25944	Electronic Controller	101-380025-11	6AE62
DAY25944	Electronic Controller	101-380025-11	013006C
DAY26013	Electronic Controller	101-380025-17	10AE102
DAY26014	Electronic Controller	101-380025-11	5AJ58
DAY26015	Electronic Controller	101-380025-11	4AE31
DAY26016	Electronic Controller	101-380025-11	7AL50
DAY26071	Electronic Controller	101-380025-17	653
DAY26073	Electronic Controller	101-380025-17	11AC64
DAY26074	Electronic Controller	101-380025-17	9AT102
DAY26075	Electronic Controller	101-380025-11	4214
DAY26076	Electronic Controller	101-380025-11	11AC62
DAY26085	Electronic Controller	101-380025-11	1AK20
DAY26183	Electronic Controller	101-380025-17	12AP130
DAY26184	Electronic Controller	101-380025-11	12AE193
DAY26185	Electronic Controller	101-380025-17	6AL120
DAY26270	Electronic Controller	101-380025-17	4223
DAY26275	Electronic Controller	101-380025-17	11AF135
DAY26276	Electronic Controller	101-380025-17	12AF157
DAY26306	Electronic Controller	101-380025-11	6AE66
DAY26306	Electronic Controller	101-380025-11	8AN115
DAY26338	Electronic Controller	101-380025-11	2K0047
DAY26411	Electronic Controller	101-380025-11	013006C
DAY26465	Electronic Controller	101-380025-11	8AL64
DAY26466	Electronic Controller	101-380025-11	2AR19

<b>Work Order Number</b>	<b>Part Name</b>	<b>Part Number</b>	<b>Serial Number</b>
DAY26466	Electronic Controller	101-380025-11	5AP31
DAY26467	Electronic Controller	101-380025-11	10AM177
DAY26469	Electronic Controller	101-380025-11	12AK126
DAY26470	Electronic Controller	101-380025-11	8AG70
DAY26666	Electronic Controller	101-380025-17	061606
DAY26667	Electronic Controller	101-380025-11	1AN2
DAY26754	Electronic Controller	101-380025-17	4188
DAY26783	Electronic Controller	101-380025-11	11AV36
DAY26784	Electronic Controller	101-380025-17	6AD31
DAY26785	Electronic Controller	101-380025-17	4AN73
DAY26785	Electronic Controller	101-380025-17	9AN151
DAY26786	Electronic Controller	101-380025-11	1AW1
DAY26787	Electronic Controller	101-380025-11	4AM30
DAY26802	Electronic Controller	101-380025-11	042706-1
DAY26832	Electronic Controller	101-380025-11	11AJ113
DAY26834	Electronic Controller	101-380025-17	9AP76
DAY26892	Electronic Controller	101-380025-11	1AK35
DAY26945	Electronic Controller	101-380025-11	2K0110
DAY26945	Electronic Controller	101-380025-11	12AE191
DAY26946	Electronic Controller	101-380025-11	6AE59
DAY26946	Electronic Controller	101-380025-11	12AK135
DAY26948	Electronic Controller	101-380025-17	2AG18
DAY26949	Electronic Controller	101-380025-11	013006C
DAY26950	Electronic Controller	101-380025-11	9AR80
DAY26951	Electronic Controller	101-380025-17	4AB-8
DAY27073	Electronic Controller	101-380025-11	3AT28
DAY27075	Electronic Controller	101-380025-17	653
DAY27076	Electronic Controller	101-380025-11	4AM26
DAY27109	Electronic Controller	101-380025-17	4235
DAY27110	Electronic Controller	101-380025-17	3AE39
DAY27152	Electronic Controller	101-380025-11	5AJ58
DAY27155	Electronic Controller	101-380025-17	7AP51
DAY27155	Electronic Controller	101-380025-17	11AE115
DAY27156	Electronic Controller	101-380025-11	4AN54
DAY27157	Electronic Controller	101-380025-17	QA502353
DAY27228	Electronic Controller	101-380025-11	10M0093
DAY27243	Electronic Controller	101-380025-17	5M0036
DAY27244	Electronic Controller	101-380025-11	6AA0038
DAY27253	Electronic Controller	101-380025-17	5AC13
DAY27253	Electronic Controller	101-380025-11	9AR77
DAY27253	Electronic Controller	101-380025-11	11AN140
DAY27338	Electronic Controller	101-380025-11	4AE43
DAY27338	Electronic Controller	101-380025-11	5AJ54
DAY27339	Electronic Controller	101-380025-11	AF52
DAY27340	Electronic Controller	101-380025-11	111306B

<b>Work Order Number</b>	<b>Part Name</b>	<b>Part Number</b>	<b>Serial Number</b>
DAY27343	Electronic Controller	101-380025-11	8AD61
DAY27357	Electronic Controller	101-380025-11	4AD49
DAY27388	Electronic Controller	101-380025-11	3BA7
DAY27398	Electronic Controller	101-380025-17	2AJ65
DAY27399	Electronic Controller	101-380025-17	4245
DAY27400	Electronic Controller	101-380025-17	6AK22
DAY27401	Electronic Controller	101-380025-17	11AE142
DAY27402	Electronic Controller	101-380025-11	9AP99
DAY27403	Electronic Controller	101-380025-17	6AE64
DAY27404	Electronic Controller	101-380025-17	1AV14
DAY27450	Electronic Controller	101-380025-17	9AD64
DAY27453	Electronic Controller	101-380025-17	1AG3
DAY27462	Electronic Controller	101-380025-17	10AE107
DAY27566	Electronic Controller	101-380025-17	120106
DAY27620	Electronic Controller	101-380025-11	8AU164
DAY27622	Electronic Controller	101-380025-17	01107-2
DAY27668	Electronic Controller	101-380025-17	2AG6
DAY27669	Electronic Controller	101-380025-17	6AN88
DAY27670	Electronic Controller	101-380025-17	6AE58
DAY27671	Electronic Controller	101-380025-17	5M006
DAY27698	Electronic Controller	101-380025-11	11AJ-128
DAY27699	Electronic Controller	101-380025-11	122
UNK	Electronic Controller	101-380025-17	5AC11
UNK	Electronic Controller	101-380025-11	6AE50
UNK	Electronic Controller	101-380025-11	4H18
UNK	Electronic Controller	101-380025-17	9AE98
UNK	Electronic Controller	101-380025-11	5AJ47
UNK	Electronic Controller	101-380025-17	3BA20
UNK	Electronic Controller	101-380025-11	3AM38
UNK	Electronic Controller	101-380025-17	5W0322
UNK	Electronic Controller	101-380025-11	02/01/05