

Service Bulletin No: 53-007

Ref No: 335

Modification No: EC-15-0141

ATA Chapter: 53

**FUSELAGE - REAR FUSELAGE  
INSTALLATION OF AN IMPROVED MOUNTING FOR THE VHF3 ANTENNA****1. Planning Information****A. Effectivity**

All PC-12, PC-12/45, PC-12/47 and PC-12/47E aircraft with an optional VHF3 antenna installed by P/N 523.15.12.005 or 523.12.12.013 or 523.12.12.014, or those customers who wish to install an optional VHF3 antenna between frames 36 and 37.

**B. Concurrent Requirements**

None.

**C. Reason****(1) Problem**

Damage has been reported to the rear fuselage stringers 16L and 17R adjacent to frame 36 on aircraft with the optional VHF3 antenna installed at this location.

**(2) Cause**

Aerodynamic side-loads on the VHF3 antenna.

**(3) Solution**

Install an improved mounting structure for the optional VHF3 antenna.

**D. Description**

This Service Bulletin gives the instructions and data necessary to install an improved mounting structure for the optional VHF3 antenna. Part A gives details for aircraft which already have a VHF3 antenna installed. Part B gives details for customers who wish to install a VHF3 antenna between frames 36 and 37.

Revision 1 of this Service Bulletin corrects sealant identifier from P08-001 to P08-071.

Terminology change: CVFDR to LDR. No rework is required for Operators who have already embodied this Service Bulletin at initial issue.

**E. Compliance**

Optional for aircraft without a VHF3 antenna installed.

Recommended for aircraft with an optional VHF3 antenna installed by P/N 523.15.12.005 or 523.12.12.013 or 523.12.12.014.

**F. Approval**

The technical content of this Service Bulletin is approved under the authority of DOA No. EASA.21J.357.

PILATUS advises Operators/Owners to check with their designated Airworthiness Authority for any changes, local regulations or sanctions that may affect the embodiment of this Service Bulletin.

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**H. Manpower**

Task	Man-hours	
	Part A	Part B
Preparation	1.0	1.0
Modification	21.0	31.0
Close-Up	1.0	2.0
<b>TOTAL MAN-HOURS</b>	<b>23.0</b>	<b>34.0</b>

**NOTE:** Manhours do not include drying time for paints or sealants.

**I. Weight and Balance**

Configuration	LDR	Mass (kg)	Moment (kgm)
Part A - Antenna installation 523.12.12.005 or 013	Yes	+0,23	+2,21
Part A - Antenna installation 523.12.12.005 or 013	No	+0,23	+2,30
Part A - Antenna installation 523.12.12.014	Yes	+0,23	+2,26
Part A - Antenna installation 523.12.12.014	No	+0,24	+2,35
Part B - No VHF3 antenna installation	Yes	+1,68	+16,68
Part B - No VHF3 antenna installation	No	+1,69	+16,77

**J. Electrical Load Data**

Not changed.

**K. Software**

Not changed.

**L. References**

**NOTE:** Throughout this Service Bulletin AMM /SRM references are given without the model prefix.  
For PC-12, PC-12/45 and PC-12/47 aircraft, prefix references with 12-A.  
For PC-12/47E aircraft, prefix references with 12-B.

**(1) AMM**

06-20-00-00A-040A-A	20-31-00-00A-070A-A	20-40-10-00A-901A-A
20-50-00-00A-901A-A	23-12-03-00A-920A-A	24-00-00-00A-901A-A
25-23-01-00A-920A-A	31-30-01-00A-903A-A	31-30-01-00A-920A-A

**(2) SRM**

51-40-01-00A-041A-A	51-40-03-00A-041A-A
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**M. Publications Affected**

AMM, SRM, IPC.

**N. Interchangeability of Parts**

Not interchangeable.

**2. Material Information****A. Material - Price and Availability**

Operators that require additional information and/or Service Bulletin materiel, should contact their Authorized Pilatus Service Center, or to:

PILATUS AIRCRAFT LTD  
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CH-6371 STANS  
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Operators are requested to advise Pilatus Aircraft Ltd, of the Manufacturer's Serial Number (MSN) and the flying hours of aircraft which are affected by this Service Bulletin.

<b>Modification Kit Number</b>	<b>Price</b>	<b>Availability</b>
500.50.12.353	Contact address above	Approximately 3 months

**B. Material Necessary for Each Aircraft**

**NOTE:** Part Numbers given in this Service Bulletin are correct at the time of approval. Pilatus Aircraft Ltd. reserves the right to change the part numbers as necessary. Part numbers of items delivered with the Modification Kit are correct when the kit is dispatched. This could lead to differences between those part numbers quoted in this Service Bulletin and the Modification Kit if parts are superseded. Operators are requested to check the IPC for delivered parts which differ from those listed in the Service Bulletin Materials Kit List.