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## Service Bulletin

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S.B. No: 177

**Title:** INSPECTION OF STARTER AND GROUND POWER SOCKET SOLENOIDS FOR CRACKING  
– FRAME 5 AVIONICS PANEL MOUNTED

**Classification:** This Service Bulletin has been classified by SAL as Essential

**Compliance:** At next 50 flying hour check.

**Applicability:** T67M200 and T67M260 Post Mod M860. (2261 to 2264, 2266 & 2267)

### INTRODUCTION:

During manufacture it was noticed that the plastic casing on the starter master relay was cracked. The starter master relay is mounted below the ground power socket solenoid on the Avionics Frame 5 Panel located behind and to the port side of Frame 5.

Upon investigation it was found that the heatshrink on the busbars, linking the relays and solenoid together, fouled each other, which in turn causes the small busbar not to seat properly. Therefore, as the smaller busbar is bolted down onto the master relay, a possibility of cracking the casing exists.

This is a one time inspection and rectification.




### ACTION:

1. Check master switch, ignition switch and fuel are OFF. Disconnect external power and hangar aircraft, if required.
2. Gain access to the back of Frame 5.
3. Remove the GRP cover from the avionics panel, then remove both busbars, Ref. Fig. 1.
4. Check in the areas indicated for cracking on the master relay, (most likely lower relay, possibly solenoid). Replace item if damage or cracking found.
5. Remove 10mm of heatshrink from each end of busbar T67F-84-545. Remove all the heatshrink, if fitted, from busbar T67R-81-501.
6. Reassemble busbars; ensure longer leg of busbar T67R-81-501 is uppermost.

Annotate logbook "SB 177 complied with."

For assistance or further information or replacement parts please contact SAL Customer Support Department.

Approved by: 	Date: 2 <sup>nd</sup> Oct. 02.	Issue 1
For and on behalf of SLINGSBY AVIATION LIMITED		
Kirkbymoorside, York. YO62 6EZ Fax No: 01751 431173	Tel: 01751 432474 E-mail: SAL5@Slingsby.co.uk	Page 1 of 2

