



A Mahindra Aerospace Company

SL-GA8-2012-13
Issue 1

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Service Letter

Subject:

Replacement Vacuum Switch

Applicability:

All GA8 aircraft fitted with vacuum switch P/N GA8-372011-011.

Amendments:

Nil (initial issue).

Background:

Unsatisfactory reliability of the original Vacuum system warning switch has required the introduction of a new switch P/N GA8-372012-011, which supersedes switch P/N GA8-372011-011. The GA8-372011-011 switch remains "On Condition" and need only be replaced with the new switch on failure. The GA8 IPC will be revised to reflect this change.

Instructions:

Prior to replacing the original switch, refer to Section **31-10-10** of the GA8 Service Manual for more instructions about Flight Instruments Sub Panel removal/installation. Furthermore, refer to Section **24-10-00** for Schematics.

Note

This vacuum switch has been set to close with an applied vacuum pressure of 2.75 inches of Hg +/- 0.25. This is 1 inch Hg lower than the original switch.

Carry out following procedure for Vacuum Switch replacement:

1. Remove Flight Instruments Sub Panel.
2. Remove the original switch from the flight instrument panel.
3. Install the switch as shown in Figures 1 and 2.
4. Fit a cable tie over the hose joined to the inlet of the switch. Pull tight. Cut off the cable tie end cleanly ensuring that no sharp edge is present.
5. Connect circuits WV1B22 and WV1C22N to the terminals of the vacuum switch assembly. The switch is not polarised.
6. Re-install Flight Instruments Sub Panel.

Support

Should you require any further information please contact our Customer Support Department:

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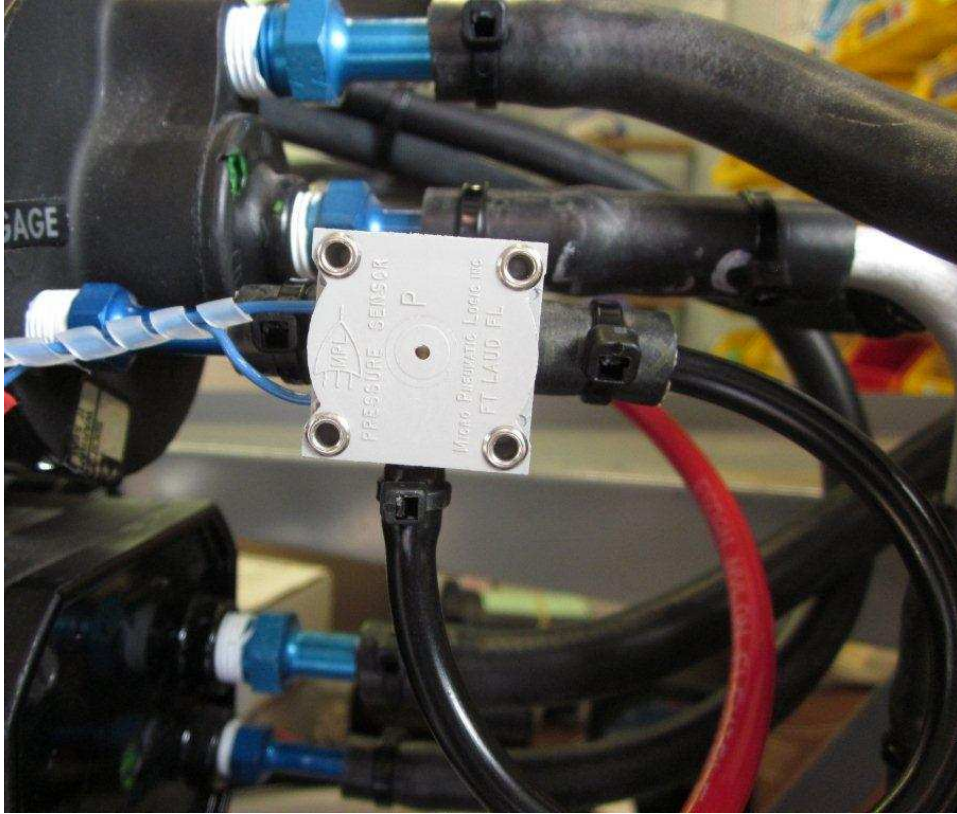


Figure 1 Side view of the installed switch.

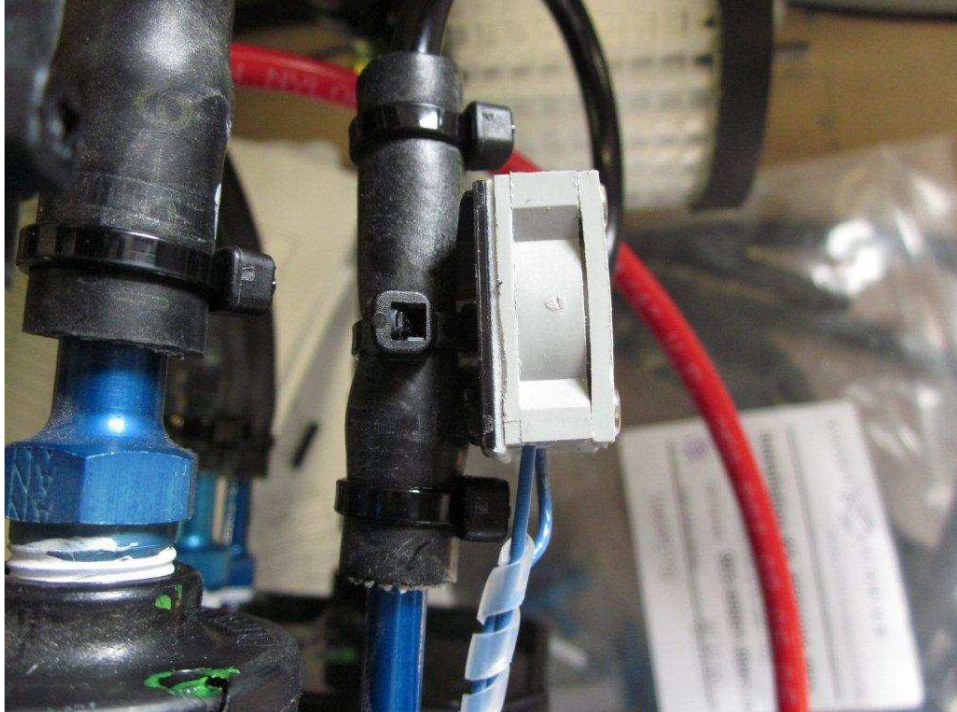


Figure 2. Completed installation.

NOTE:

The cable tie used around the short hose shown shall be firm, but not excessively tight so as to cause a restriction.