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SB-GA8-2019-195

Issue 1

MANDATORY

Service Bulletin

Subject:

Relocation of Alternate Air Induction Electrical Connection

Applicability:

Table 1: Applicability

AIRCRAFT	SERIAL NUMBER(s)
GA8	Serial Numbers GA8-00-004 through GA8-07-114 that have been modified by SB-GA8-2008-41 Issue 1
	Serial Numbers GA8-07-115 through GA8-18-248

Amendments:

Issue 1: Initial Issue. Ref GAE11#2596

Background:

The existing restraint of the Alternate Air Induction Harness connector has been found to result in accelerated aging of the associated wiring due to vibration. This Service Bulletin addresses this issue by relocating the connector and securing it to rigid structure.

Compliance:

This modification is mandatory.

The installer shall verify the suitability of this modification in conjunction with existing modifications/repairs to the aircraft. Contact GippsAero if clarification is required.

Weight and Balance:

There is negligible effect to the weight and balance of the aircraft.

Approval:

This Service Bulletin has been approved in accordance with the requirements of Australian Civil Aviation Safety Regulation 21.095 (1998). GippsAero Reference GAE11#2596.

Parts:

The materials required to complete this Service Bulletin are detailed in Table 2.

Table 2: Materials Required

ITEM	PART NUMBER	DESCRIPTION	QTY
1	TY125-40X ¹	Cable tie	5

Parts Availability:

Parts can be sourced locally by the installer.

Labour:

Approximately 1 hours should be allocated for completing the work detailed in this Service Bulletin.

Warranty:

This is a mandatorily modification. Warranty is not applicable.

¹ Acceptable alternative part numbers are MS3367-6-0, 111-00947 (HellermanTyton), TY200-40X (Thomas & Betts), PLT2I-C0 (Panduit).

Accomplishment Instructions:

WARNING:

IT IS THE RESPONSIBILITY OF ALL PERSONNEL TO ENSURE WORK HEALTH AND SAFETY REQUIREMENTS ARE MET AT ALL TIMES. ALL PERSONNEL MUST COMPLY WITH ALL WORK HEALTH AND SAFETY REQUIREMENTS AS DEFINED OR RECOMMENDED BY:

- AIRCRAFT MAINTENANCE AND OPERATION MANUALS;
- RELEVANT NAA REGULATIONS AND ADVISORY DOCUMENTATION;
- ORGANISATION MANUALS, INCLUDING NAA ENDORSED OPERATIONAL AND MAINTENANCE MANUALS; AND
- RELEVANT LOCAL, STATE AND FEDERAL GOVERNMENT REQUIREMENTS.

WARNING:

READ THE APPLICABLE MATERIAL SAFETY DATA SHEET (MSDS) FOR ANY CONSUMABLE USED DURING THE ACCOMPLISHMENT OF THIS SERVICE BULLETIN AND EMPLOY ANY RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT (PPE) CONTAINED THEREIN.

NOTE:

Unless otherwise specified, reference to the GA8 Service Manual and FAA Advisory Circular (AC) 43.13-1B & -2B should be made when carrying out the procedures prescribed in this Service Bulletin. In case of a discrepancy between the Service Manual and the AC, the Service Manual takes precedence.

1. Gain access to port side area of the aircraft's engine bay in accordance with GA8 Service Manual.
2. Remove the cable ties attaching to electrical connector P26/J26 and the Alt Air Harness to the scat tube.
3. Remove the cable tie attaching the Alt Air Harness to the Oil Breather Tube.
4. Inspect cable connector and Alt Air wiring harness within 1 ft either side of connector for damage in accordance with CASA AC 21-99, Section 2 Chapter 17. Repair wiring harness as required in accordance with AC13.43-1B Chapter 11.
5. Secure harness connector to P Clamp / Oil Breather Tube as identified in Figure 1. Restrain with Item 1 per Figure 2. Trim all cable tie tails flush.
6. Ensure that scat hoses in the vicinity do not wear against adjacent components.
7. Function Check the Alt Air Indication by opening and closing (pushing and pulling) the Alternate Air Control Cable to initialise the sensor circuit.
8. Reinstall any panels, etc removed to gain access in accordance with GA8 Service Manual.

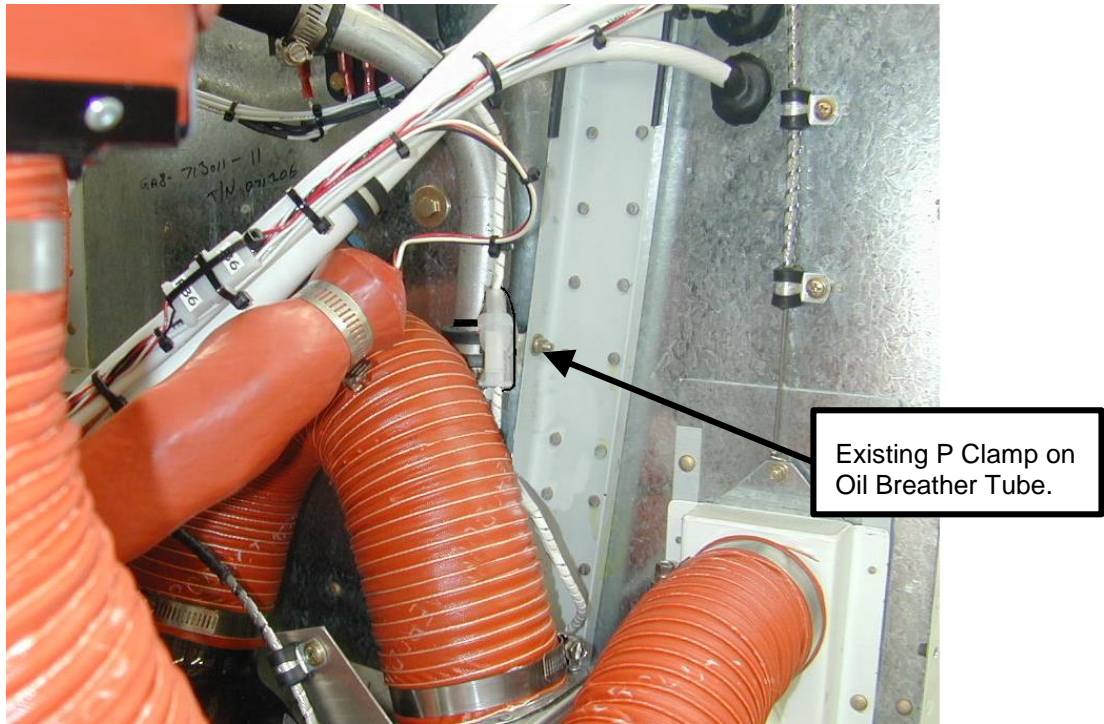


Figure 1: Modified configuration. Additional cable ties are not shown.

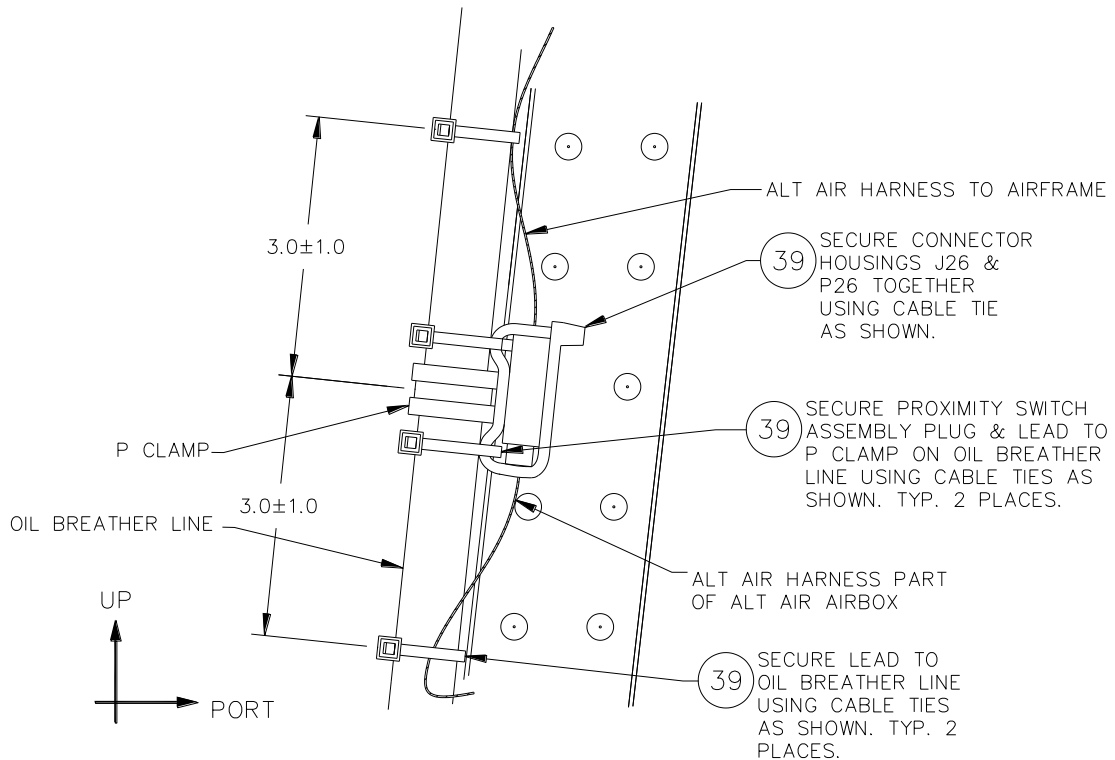


Figure 2: Detailed View of the attachment of the P26/J26 Electrical Connector (Looking Aft onto Firewall).

Documentation:

Update aircraft log book to reflect incorporation of this Service Bulletin.

Continuing Airworthiness:

There are no additional continuing airworthiness requirements introduced by this Service Bulletin.

Compliance Notice:

Complete the Document Compliance Notice and return to GippsAero by mail, fax or email.

DOCUMENT COMPLIANCE NOTICE



A Mahindra Aerospace Company

Document:

SB-GA8-2019-195

Issue 1

Aircraft Serial Number: GA8-_____

Service Bulletin SB-GA8-2019-195 Issue 1 has been incorporated in the above aircraft.

Date of Incorporation: _____

Signed

Print Name: _____

Please post, fax or email this compliance notice to:

GippsAero

Attn: Technical Publications

Email: aircraft.techpubs@mahindraaerospace.com

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