

Service Bulletin

Subject:

Throttle Cable Inspection.

Applicability:

All GA8 aircraft, serial numbers 8-00-004 through 8-03-027.

Amendments:

Heat reflective cloth now wrapped around the outside of Heat Shield Material.

Background:

An aircraft in service has shown signs of degradation of the outer sheave of the throttle cable in the engine compartment in the vicinity of the engine cylinder number 5.

Compliance:

For all applicable aircraft, carry out throttle movement check before further flight.

For all applicable aircraft, inspect throttle cable in engine compartment within 15 hours time in service (TIS) after receipt of this Service Bulletin.

For aircraft that fail the throttle movement check, inspect throttle cable in engine compartment before further flight.

Weight and Balance:

Negligible effect on weight and balance.

Approval:

This Service Bulletin has been approved pursuant to Regulation 35 of CAR1988.

Parts:

Item	P/N	Description	Qty
1	GA8-761022-25	Throttle Cable Heat Reflective Cloth	1

Parts Availability:

New parts can be obtained directly from Gippsland Aeronautics.

Tel.: +61 03 5172 1200

Fax.: +61 03 5172 1201

Email: spares@gippsaero.com

Instructions:

Throttle Movement Check

1. Ensure both Master switches and the Magneto switch are in the off position.
2. Loosen throttle quadrant friction knob.
3. Move throttle lever backwards and forwards slowly through its full range of travel. Ensure the throttle moves smoothly and with little friction or binding. If the throttle feels notchy, has any sticking point(s), or has resistance, then conduct engine compartment inspection detailed below before further flight.
4. Move throttle to the "Idle" position and retighten throttle quadrant friction knob.

Engine Compartment Inspection

1. Remove right hand engine cowl door.
2. Cut tie wrap holding the throttle cable to engine cylinder No.5 inlet manifold.
3. Slide heat shield material along throttle cable until able to inspect the portion of normally covered cable. If the throttle cable outer sheave has deteriorated in any way, replace cable and Heat Shield Material before further flight [Order Gippsland Aeronautics P/N – GA8-761012-15 (Throttle Cable) and GA8-761022-21 (Heat Shield Material)].
4. Slide Heat Shield Material back in place adjacent to engine cylinder No.5 inlet manifold. Wrap supplied cloth (Item 1 - Throttle Cable Heat Reflective Cloth) around new or existing Heat Shield Material and tie wrap in place as shown below in Figure 1. **Ensure cable is secured to the aft side of the inlet manifold tube.**

Documentation:

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

Compliance Notice:

Complete the Document Compliance Notice and return to Gippsland Aeronautics by fax/mail.

