

# Service Bulletin

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**Subject:**

Rudder Trim Tab Installation

**Applicability:**

All GA8 serial numbers GA8-00-004 through GA8-05-070.

**Amendments:**

Nil (initial issue).

**Background:**

To improve the rudder trim, a ground adjustable rudder trim tab has been developed. It is recommended the trim tab be incorporated after the rear wing spar adjusting bush is installed. Refer to SB-GA8-2004-12 for the installation procedure of adjusting bush.

**Compliance:**

Optional

**Weight and Balance:**

Negligible effect on aircraft weight and balance.

The mass and balance characteristics of the rudder must be confirmed prior to flight with the tab installed.

The weight of the rudder will be increased by, 16 grams.

Calculate balance of the rudder using the perpendicular distance from the hinge line to the trim tab. The distance is 28 inch for the location of trim tab shown in Figure 1.

**Approval:**

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

**Parts:**

Item	Part Number	Description	Qty
1	GA8-554021- 65	RUDDER TRIM TAB	1
2	TLP/D321BS	RIVET	5
3	GA8-112011- 3	NO PUSH PLACARD	1

**Parts Availability:**

New parts can be obtained directly from Gippsland Aeronautics.

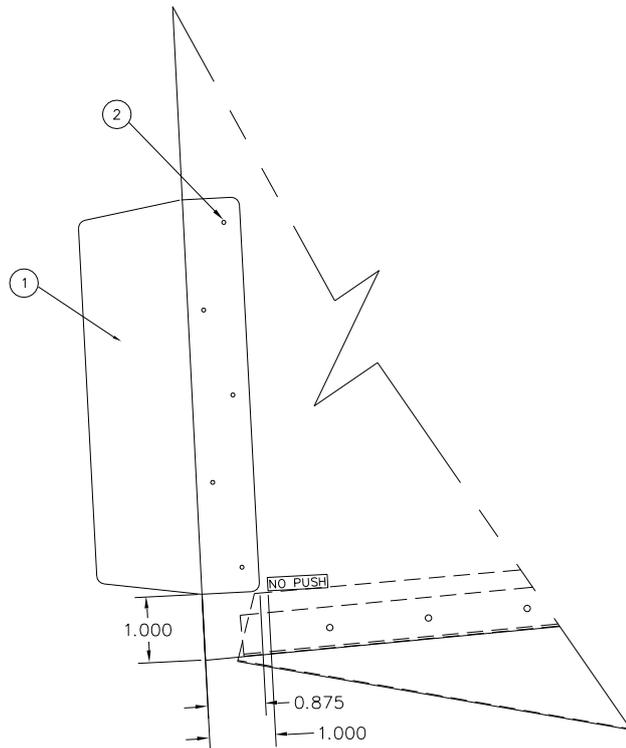
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**Instructions:****1. Installation**

1. Remove NO PUSH Placard from the R.H.S of the rudder
2. Position the Trim Tab as per hinge line and drill off rivet holes using drill size 2.5mm.
3. Coat faying surface of tab with neutral cure white silicon and install tab using item 2.
4. Install new 'NO PUSH' placard as shown in Figure 1.
5. The bend angle can be adjusted to accurately trim each individual aircraft. Increase the bend to correct a left turn and decrease to correct a right turn.



**Figure 1: Finished rudder trim tab installation (looking from R.H.S of the Rudder).**

6. Confirm that the mass and balance of the rudder are within manufacturers limits. (See service manual section 51-60-20).

### **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 or mail.

## DOCUMENT COMPLIANCE NOTICE



Document: Service Bulletin SB-GA8-2005-22

Aircraft Serial Number: GA8-\_\_\_\_\_

Service Bulletin SB-GA8-2005-22 has been incorporated for the above aircraft.

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Signed

Print Name \_\_\_\_\_

Please post or fax this compliance notice to:

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