



A Mahindra Aerospace Company

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**SB-GA8-2011-73**

**Issue 1**

**OPTIONAL**

## Service Bulletin

### Subject:

Enlarged Rudder Hinge Bushes

### Applicability:

Aircraft serial numbers from GA8-00-004 to GA8-TC 320-09-151

### Amendments:

Nil (initial issue)

### Background:

Instances of wear on rudder hinge bushes housing have been reported by the customers. This Service Bulletin provides the procedure for how to ream the bushes housing and install new bushes.

### Compliance:

For applicable aircraft, this optional Service Bulletin may be incorporated at the owner's discretion

### Weight and Balance:

Nil

### Approval:

This modification has been approved pursuant to Regulation CASR 21.095

### Parts:

Item	Part Number	Description	Qty
1	GA8-553021-275	Top Hat Bush	1
2	GA8-553021-277	Rudder Hinge Sleeve	1
3	GA8-553021-279	Rudder Hinge Bush	2
4	GA8-553021-281	Rudder Hinge Sleeve	2

## Parts Availability:

New parts can be obtained directly from GippsAero.

Tel.: +61 (0) 3 5172 1200

Fax: +61 (0) 3 5172 1201

Email: spares@gippsaero.com

## Labour:

4 hours should be allocated for the incorporation of this Service Bulletin.

## Warranty:

Not applicable.

## Procedure:

### **NOTE:**

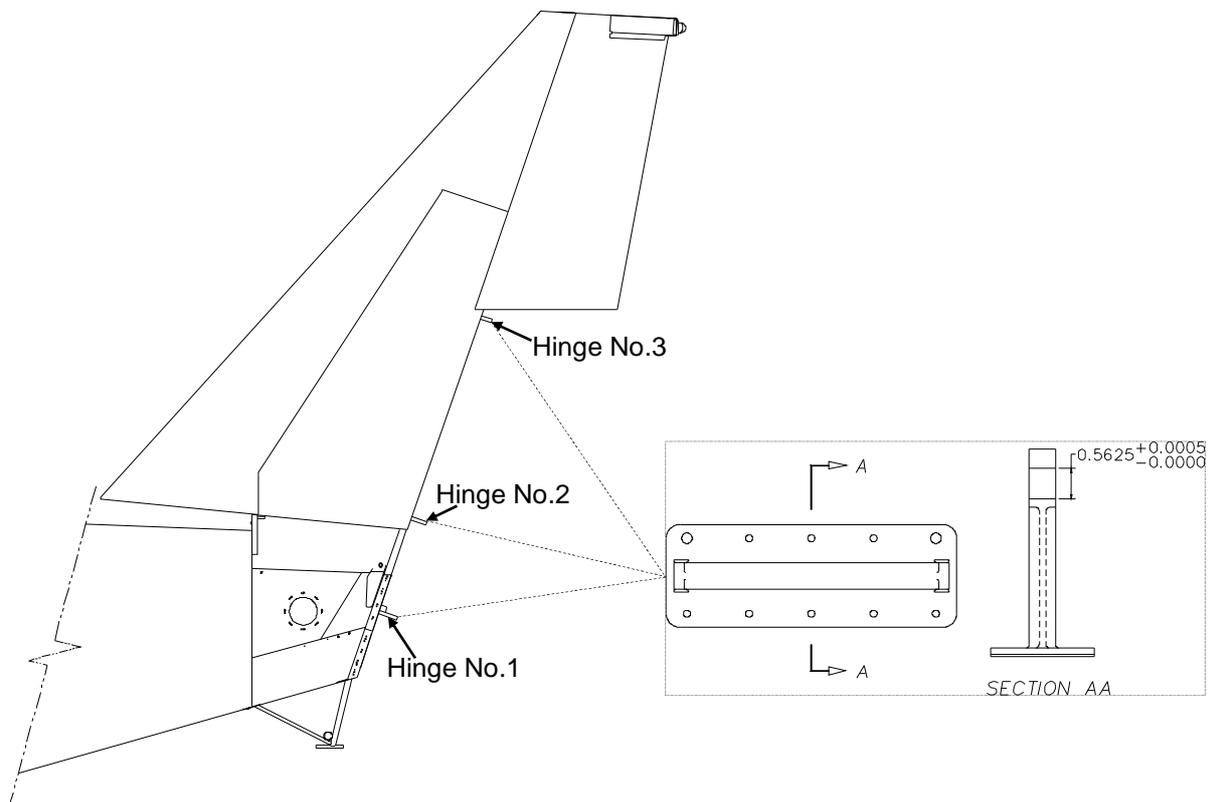
*On aircraft fitted with a laminated rudder hinge bracket attached to the fin, the laminations may be replaced in the event of excessive wear.*

1. Remove the rudder from the aircraft in accordance with the GA8 Service Manual (page 27-10);
2. Remove and discard the three existing rudder hinge bushes;
3. Ream the rudder hinge holes as indicated in Figure 1;

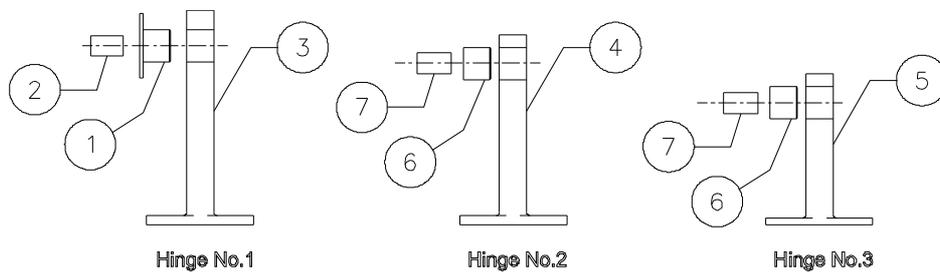
### **NOTE:**

*Lubricate the bushing external diameter using general purpose grease before installation*

4. Install the bush - P/N GA8-553021-275 (1) and sleeve P/N GA8-553021-277 (2) to the rudder hinge (3). Refer to Figure 2;
5. Install the bush – P/N GA8-553021-279 (6) and sleeve P/N GA8-553021-281 (7) to the rudder hinge (4). Refer to Figure 2;
6. Install the bush – P/N GA8-553021-279 (6) and sleeve P/N GA8-553021-281 (7) to the rudder hinge (5). Refer to Figure 2;
7. Reinstall the rudder in accordance with the GA8 Service Manual (page 27-10) discarding one of the existing washers AN970-4, part of Hinge No.1 attachment.



**Figure 1 – Rudder Hinges**



**Figure 2 – Rudder Hinges Bushes and Sleeves – Exploded View**

**Documentation:**

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

**Continuing Airworthiness:**

No additional continuing airworthiness actions are required as part of the implementation of 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-GA8-2011-73**

**Issue 1**

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

Service Bulletin SB-GA8-2011-73 Issue 1 has been incorporated in the above aircraft.

Date: \_\_\_\_\_

\_\_\_\_\_  
Signed

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

Please post or fax this compliance notice to:

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