

# Service Bulletin

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**Subject:**

Door Locking Devices

**Applicability:**

All GA8 aircraft serial numbers.

**Amendments:**

Nil.

**Background:**

Mandated aircraft security requirements have been upgraded in Australia with the release of the Department of Transport and Regional Services (DOTARS) minimum requirements for aircraft locking devices and CASA AWB 02-8. From 10 March 2005 all aircraft in Australia must be secured against theft.

Gippsland Aeronautics has designed a door locking system that may be fitted to achieve compliance with the DOTARS requirements and CASA AWB 02-8. The door locking system also incorporates a gust lock for the flight controls.

This service bulletin details the modification procedure for the aircraft that allows the door locking system to be fitted.

**Compliance:**

For applicable Australian registered aircraft this optional Service Bulletin may be incorporated in order to achieve compliance with DOTARS requirements and CASA AWB 02-8. Australian operators who choose not to comply with this optional service bulletin should make their own arrangements for compliance with DOTARS requirements and CASA AWB 02-8.

For applicable aircraft registered in countries other than Australia this optional Service Bulletin may be incorporated if increased security and / or a flight control gust lock is desired.

This service bulletin has been partially incorporated during production for aircraft serial numbers GA8-05-076 and subsequent.

**Weight and Balance:**

Negligible effect.

**Approval:**

The technical aspects of this Service Bulletin have been approved under a CASA Authorisation.

## Parts:

Item	Part Number	Description	Qty
1	GA-000351-13	Fwd Door Locking Bar Assy.	1
2	HL18PB6-6	Pin	4
3	HL94-8	Collar	4
4	AN960-416L	Washer	8
5	GA-000351-17	Rear Door Lock Assy	1
6	GA8-521022-201	Lock Bracket	1
7	GA8-112011-29	Rear Door Instruction Placard - External	1
8	PR-1422A2	Sealant	A/R
9	CR3212-4-2	Cherrymax C/S Rivet	6

### NOTES:

*Aircraft serial numbers GA8-05-076 and subsequent require items 1 through 5 only.*

## Parts Availability:

Parts can be obtained directly from Gippsland Aeronautics.

Tel.: +61 03 5172 1208

Fax.: +61 03 5172 1237

Email: spares@gippsaero.com

## Warranty:

Gippsland Aeronautics participation is limited to the supply of parts, including freight, at the owner's expense.

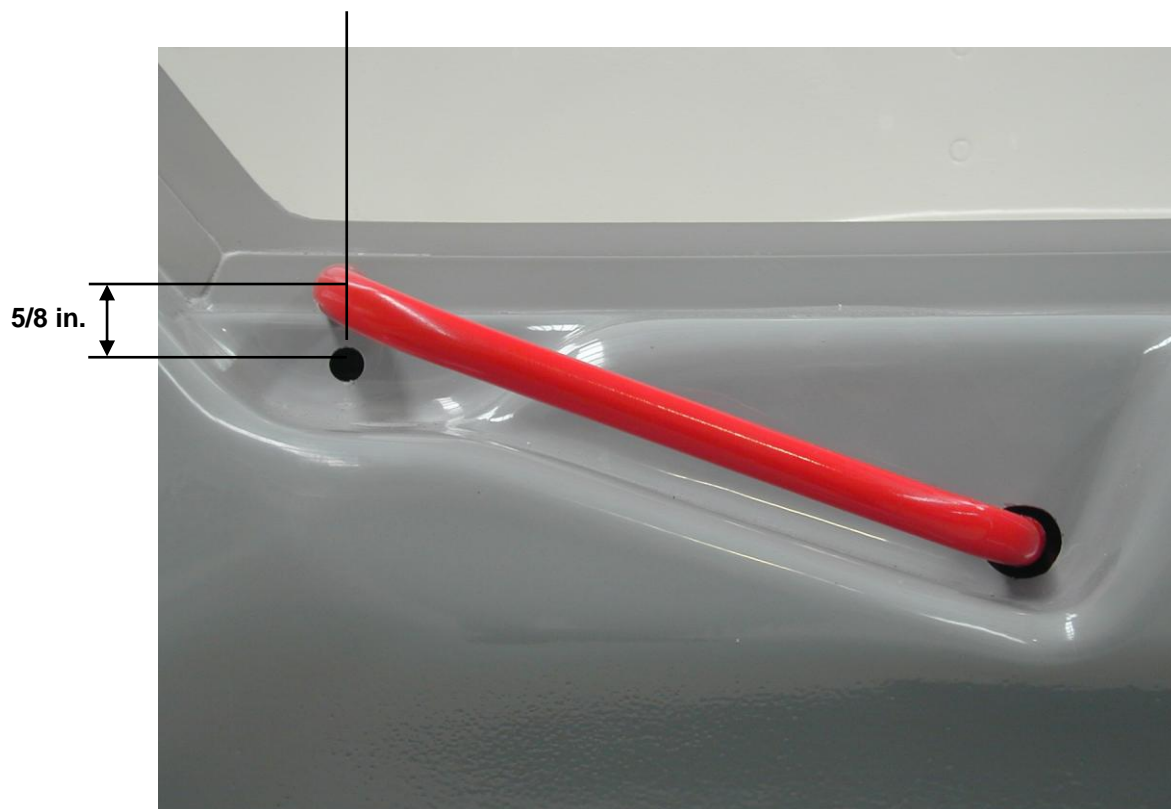
## Instructions:

### 1. Installation

- Aircraft serial numbers GA8-05-075 and earlier:* Ensuring the drill goes through the fibreglass door liner and inner metal skin only and does not pass completely through the door, drill a 17/64in hole in the door frame in the position shown in figure 1.
- Aircraft serial numbers GA8-05-075 and earlier:* Remove the existing Rear Door Instruction Placard – External.
- Aircraft serial numbers GA8-05-075 and earlier:* Attach the Lock Bracket, item 6, with the large hole centred over the door release button, all faying surfaces to be sealed with PR-1422A2 sealant. Secure to door frame using rivets, Item 9. The lock bracket may be painted to suit the aircraft paint scheme as required. Attach a new Rear Door Instruction Placard – External to the Lock Bracket. The installed Lock bracket is shown in figure 2.

4. *All aircraft:* Remove the four AN3-6A bolts and MS21042-3 nuts installed as hinge pins on both front doors. Replace the bolts with tamper proof hinge pins, items 2 and 3 with a washer, item 4, under each end as shown in figure 3.

**DIRECTLY BELOW HANDLE**



**Figure 1: Hole Location - Forward Doors (RHS shown)**



**Figure 2: Installed Cabin Door Lock Bracket**



**Figure 3: Tamper Proof Forward Door Hinge Pins**

**NOTE:**

*Any padlock that allows minimal movement of the rear door lock may be used with this door locking system; for Australian registered aircraft compliance with DOTARS requirements requires that any padlock used complies with Australian Standard AS 4145.2-2002 Locksets – Padlocks.*

**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-GA8-2005-20

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

Service Bulletin SB-GA8-2005-20 Issue 2 has been incorporated in the above aircraft.

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

\_\_\_\_\_

Signed

On behalf of (*company name*): \_\_\_\_\_

Please post, fax or email this compliance notice to:

Gippsland Aeronautics  
Attn: Technical Services  
P.O. Box 881  
Morwell Victoria 3840  
Australia  
Fax.: +61 03 5172 1201  
Email: [techrec@gippsaero.com](mailto:techrec@gippsaero.com)