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Service Bulletin

Subject:

Installation of a parachute grab handle and static line anchor.

Applicability:

GA8 and GA8-TC 320 all serial numbers.

Amendments:

Issue 2: Internal Grab Handle, GA8-526017-11, added, inclusive of details.

Issue 3: Numbering sequence revised & references corrected.

Issue 4: Step option removed.

Background:

Owners who conduct parachute operations have requested a grab handle and static line anchor. Each of these modifications can be installed independently at the owner's discretion. If the static line anchor is installed the wind deflector must be strengthened by the addition of a steel wind deflector foot.

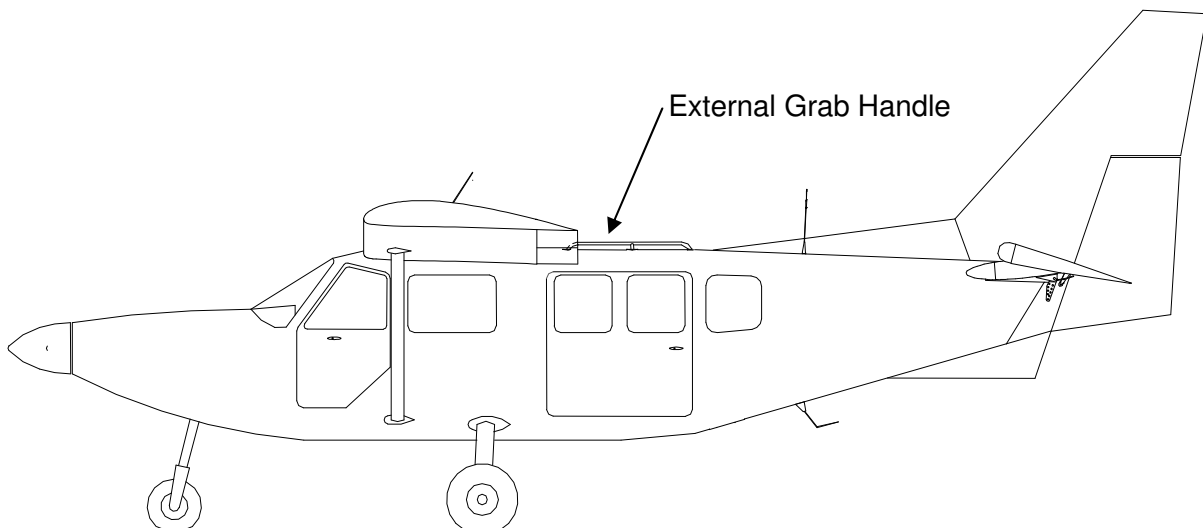


Figure 1: General Arrangement

Compliance:

These modifications may be installed at the owner's discretion.

Weight and Balance:

External Grab Handle:	0.8 kg (1.7 lb) at an arm of 2985 mm (117.5 in) aft of datum.
Static Line Anchor:	The installation of the static line anchor is a negligible change in weight and balance.
Internal Grab Handle:	0.5 kg (1.1 lb) at an arm of 2962 mm (116.6 in) aft of datum.

Approval:

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

Parts:

Item	Part Number	Description	Qty
Grab Handles			
1	GA8-526017-11	Internal Grab Handle	1
2	GA8-526013-17	External Grab Handle	1
3	GA8-526023-73	Plate Packer Handle	1
4	AN525-832R8	Structural Screw	15
5	AN960-08	Washer	15
6	MS21042-08	Reduced Hex Nut	15
7	MS20426AD3-3	C/S Rivet	1
8	MS20426AD3-3.5	C/S Rivet	1
9	MS20426AD4-3	C/S Rivet	3
10	MS20426AD4-4.5	C/S Rivet	2
Static Line Anchor			
11	GA-000370-21	Static Line Lock	2
12	GA-000371-11	Wind Deflector Foot	1
13	A10K80	Rivnut	4
14	SSD42SSBS	Pop Rivet	2
15	AN525-10R6	Structural Screw	4

Parts Availability:

New parts can be obtained directly from Gippsland Aeronautics.

Tel.: +61 03 5172 1208
Fax.: +61 03 5172 1237
Email: spares@gippsaero.com

Labour:

Grab Handles: 1 hour labour should be allowed for the installation of the grab handles.

Static Line Anchor: 0.5 hours should be allowed for installation of the consequential modifications associated with the static line anchor.

Warranty:

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

Instructions:

The instructions in this service bulletin assume an appropriately licensed technician is performing the work with typical sheet metal working tools.

Instruction 1 is intended to be read in conjunction with the relevant drawing.

1. External Grab Handle

The external grab handle is to be installed in accordance with Gippsland Aeronautics drawing GA8-526003, installation number GA8-526003-7. The following instructions provide a guide on one possible way of complying with the drawings.

- 1.1. Remove the interior panels in the vicinity of the door to gain access to the structure.
- 1.2. Locate and remove the appropriate rivets in the roof structure.
- 1.3. As appropriate reinstall countersunk rivets. (Items 7, 8, 9 and 10)
- 1.4. Locate the parachute handle over the remaining holes and drill through the handle Ø0.191. Secure handle by placing a bolt in the first hole in each attachment point to maintain alignment.
- 1.5. Deburr the holes and install the handle using the hardware specified on the drawing (items 4, 5 and 6). Ensure item 3 is fitted under the middle attaching point.
- 1.6. Reinstall the interior panels as per the Service Manual.

2. Static Line Anchor

While the static line anchor may be installed or removed by the pilot it is necessary to install 2 rivnuts in the floor for the parachute static line safety lock, 2 rivnuts for the wind deflector foot and the wind deflector must be modified by the installation of the foot.

- 2.1. Position the Static Line Anchor into the seat fittings. See supplement C01-04-58 for the correct locations.
- 2.2. Position the Static Line Lock, item 26 such that the upright leg is between the static line foot and the retaining spring. See Figure 2.

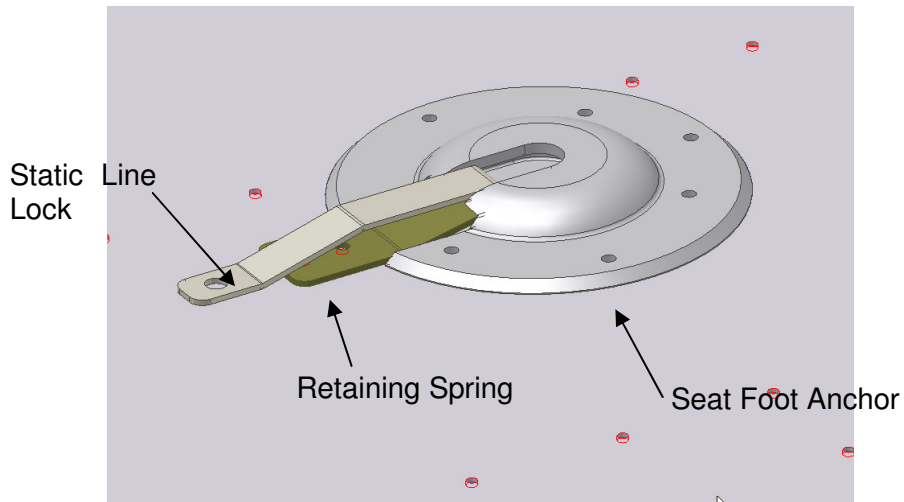


Figure 2 Static Line Lock

- 3.3 Mark the centre of the hole in the safety lock onto the floor and drill a $\text{Ø}0.25''$ hole in the floor. Notch the hole using a rattail file or similar to provide a keyway for the rivnut.
- 3.4 Using the correct rivnut installation tool install Item 28 in the floor ensuring alignment of the rivnut key lock with the key way.
- 3.5 Repeat steps 2.2 to 3.4 for the other end of the static line anchor.
- 3.6 Position the wind deflector foot, Item 27, in the wind deflector and install the wind deflector in the aircraft. Position the foot flat on the floor, clear of all rivet heads. See Figure 3.



Figure 3: Wind Deflector Foot Location

- 3.7 Measure up from the floor 1.5" and 3" along the wind deflector and drill a $\text{Ø}0.125''$ hole at each height such that the drill passes through the deflector and the foot where the steel foot is hard against the deflector.

- 3.8 Apply a liberal quantity of Duralac or similar to the faying surface and rivet the foot to the deflector using item 29.
- 3.9 With the deflector in place mark the location of the holes in the foot on the floor. Remove the deflector and drill the floor $\text{Ø}0.25$. Notch the hole using a rattle file or similar to provide a keyway for the rivnut. Using the correct tool install item 28 ensuring alignment of the rivnut key lock with the key way.

3. Internal Grab Handle

The internal grab handle is installed as follows:

- 4.1 Depress the retaining springs (shown in Figure 2) of the static line locks above the door on the inside with the footings of the handle.
- 4.2 Slide handle into place. See Figure 4.

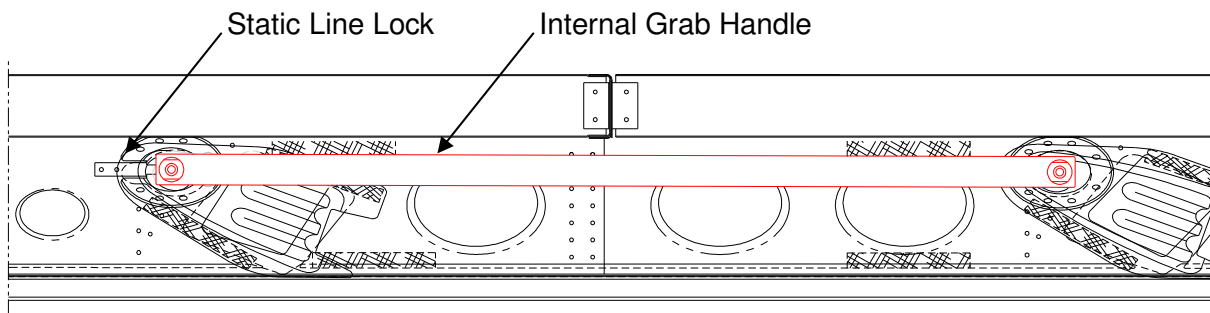


Figure 4: Internal Grab Handle Installation

Documentation:

Insert supplement C01-04-58 in the aircraft flight manual & update aircraft log book to reflect incorporation of the relevant aspects of this Service Bulletin.

Compliance Notice:

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

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