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Service Bulletin

Subject:

Seat Repair

Applicability:

All GA8 and GA8-TC 320 Passenger Seats (GA8-252011-011 and GA8-252011-012)

Amendments:

Nil (initial issue).

Background:

Instances of damage or creases have occurred in the lower seat back near where the seat base and seat legs meet. A typical example of this is seen below in Figure 1.

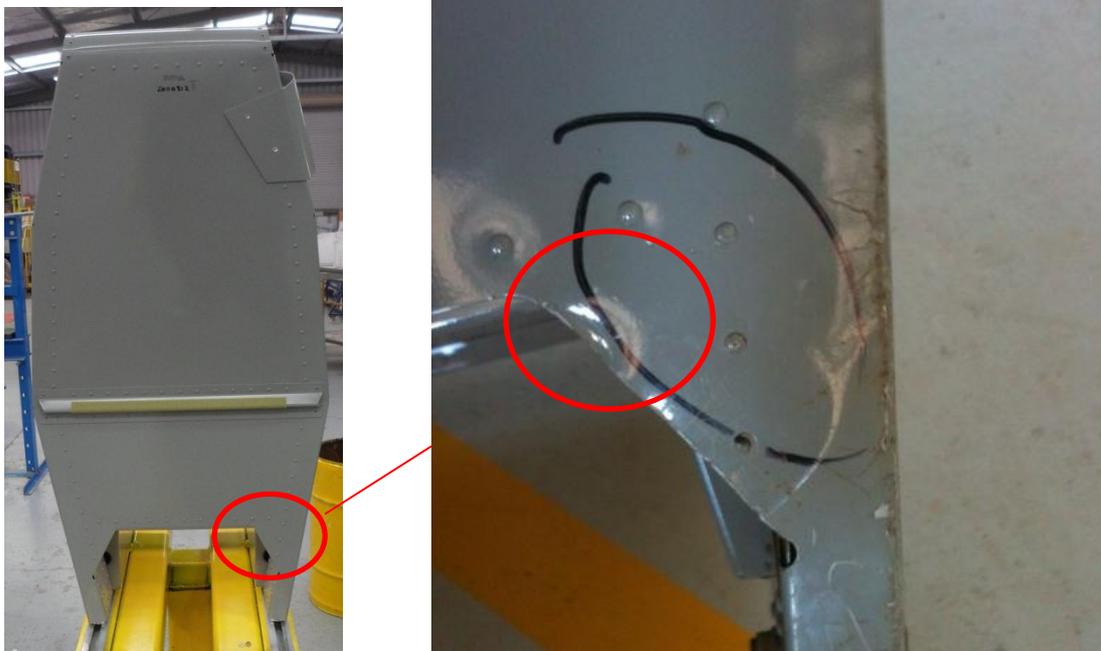


Figure 1 – Typical Seat Back Damage

Compliance:

Where the minor damage or creases in the lower seat back are found, this repair may be performed.

Weight and Balance:

Negligible effect on weight and balance.

Approval:

This modification has been approved pursuant to Regulation 21.095 of CASR(1998).

Parts:

Part number	Description
GA8-952501-011	Seat Back Patch

One per each affected location.

New parts can be obtained directly from GippsAero.

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Email: spares@gippsaero.com

Alternatively, fabricate seat back patches from Alclad 2024-T3 QQA250/5 with thickness of 0.032"

Dimensions (in inches) shown below in Figure 2.

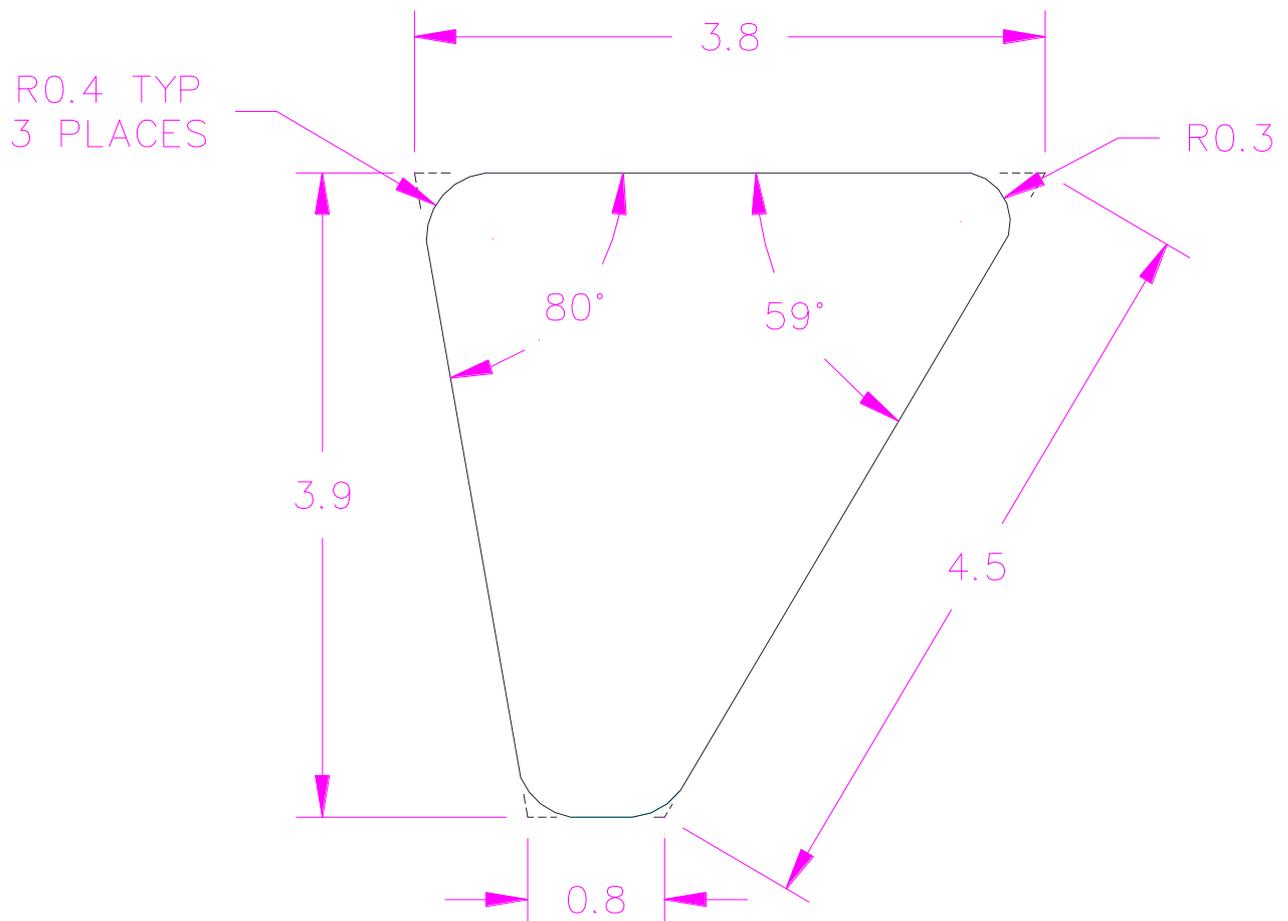


Figure 2 – Seat back patch.

Edges are to be de-burred and corners suitably radiused.

The patch is to be primed and painted to match current seat colour, before installation.

There is one used per affected location, which can occur on the left or right side of the seat back.

Labour:

1.5 hours per affected location should be allocated to the incorporation of this Service Bulletin.

Procedure:

1. If cracks less than 1/4" are present, blend out the crack and deburr the edge. If cracks are greater than 1/4" contact Gippsaero.
2. Remove rivets in the seat back in the location of the patch as depicted with crosshairs, below in Figure 3.
3. Position the new seat back patch as shown below in Figure 3.
4. Clamp in place. Back-drill where able into the seat back patch in these locations. Match existing hole locations onto the patch.
5. Six additional fasteners are to be added in the locations shown below (indicated without crosshairs). Holes are to be drilled #30. Ensure edge distance is maintained from centre of hole to edge of patch and other holes is greater than 0.3". A pitch of 1.0" is required for the row of 4 rivet holes into the seat leg. If using the GippsAero part GA8-952501-011 the additional fastener positions are in the part, drill into the existing seat through these holes.
6. Deburr the holes in the patch and seat.
7. Place repair patch in position and rivet using MS20470AD3-* rivets where possible. New holes will require blind rivets, TLPD424 or TLPD429* Pop rivets to be installed.
* Rivet length used to be assessed on installation.
8. Touch up the paint over the rivet heads as necessary.

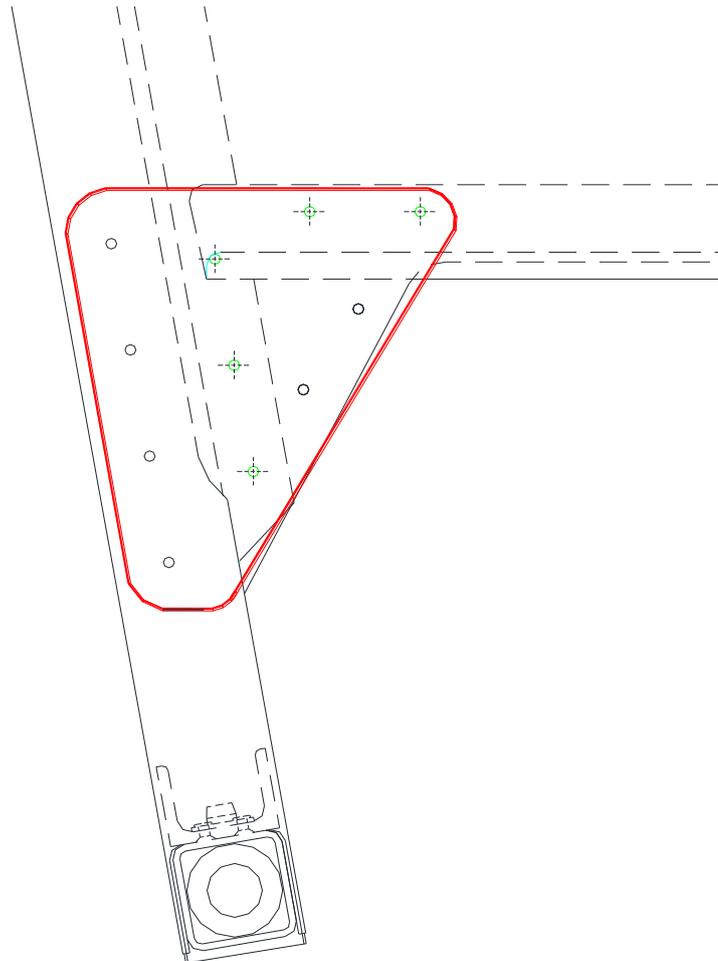


Figure 3 – Seat back patch location, LHS of seat shown. View is from behind seat.

Documentation:

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

Continuing Airworthiness:

There are no additional continuing airworthiness requirements 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-GA8-2012-93

Issue 1

Aircraft Serial Number: GA8-_____

Service Bulletin SB-GA8-2012-93 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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