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SB-GA8-2020-202

Issue 1

OPTIONAL

Service Bulletin

Subject

Installation of Comfort Cushions into the Standard Seats.

Applicability

GA8 / GA8-TC 320 Models. May be installed into the crew seats with part number GA8-251011-011 as well as the left and right passenger seats with part numbers GA8-252011-011 / 012.

Amendments

Issue 1: Initial Issue. GippsAero Reference GAE11#2723.

Background

This Service Bulletin approves the removal of the standard seat cushions and installation of the comfort cushions in addition to the replacement of the existing fabric, leather, or sheepskin seat covers with the leather seat covers applicable to the comfort cushions.

Compliance

For applicable aircraft this optional service bulletin may be incorporated at the owner's discretion.

Weight and Balance

For aircraft fitted with the standard GippsAero fabric seat covers refer to Table 1;

Table 1 - Weight & Balance Alteration for Standard Fabric Seat Covers

Seat Row	Removed Seat Cushions and Covers Part Numbers	Installed Seat Cushions and Covers Part Numbers	Description	Change in Weight per Seat kg (lb)	Arm mm (in.)
1	GA8-251022-021 + GA8-251022-023 + GA8-251012-025 + GA8-251012-019	GEN100618-GA-02-02 + GEN100618-GA-02-01 + GEN100618-GA-01-02 + GEN100618-GA-01-01	Seat Back Cushion + Seat Bottom Cushion + Crew Seat Back Cushion Cover + Seat Bottom Cushion Cover	+ 1.98 (4.37)	1075 (42.3)
2	GA8-251022-021 + GA8-251022-023 + GA8-251012-017 / 018 + GA8-251012-019	GEN100618-GA-02-02 + GEN100618-GA-02-01 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Seat Back Cushion + Seat Bottom Cushion + Passenger Seat Back Cushion Cover LH / RH + Seat Bottom Cushion Cover	+ 1.98 (4.37)	1925 (75.8)
3	GA8-251022-021 + GA8-251022-023 + GA8-251012-017 / 018 + GA8-251012-019	GEN100618-GA-02-02 + GEN100618-GA-02-01 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Seat Back Cushion + Seat Bottom Cushion + Passenger Seat Back Cushion Cover LH / RH + Seat Bottom Cushion Cover	+ 1.98 (4.37)	2677 (105.4)
4	GA8-251022-021 + GA8-251022-023 + GA8-251012-017 / 018 + GA8-251012-019	GEN100618-GA-02-02 + GEN100618-GA-02-01 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Seat Back Cushion + Seat Bottom Cushion + Passenger Seat Back Cushion Cover LH / RH + Seat Bottom Cushion Cover	+ 1.98 (4.37)	3401 (133.9)

For aircraft fitted with the optional GippsAero sheepskin seat covers detailed in ER-GA8-962580 refer to Table 2;

Table 2 - Weight & Balance Alteration for Optional Sheepskin Seat Covers from ER-GA8-962580

Seat Row	Removed Seat Cushions and Covers Part Numbers	Installed Seat Cushions and Covers Part Numbers	Description	Change in Weight per Seat kg (lb)	Arm mm (in.)
1	GA8-251022-021 + GA8-251022-023 + GA8-251012-47 + GA8-251012-45	GEN100618-GA-02-02 + GEN100618-GA-02-01 + GEN100618-GA-01-02 + GEN100618-GA-01-01	Seat Back Cushion + Seat Bottom Cushion + Crew Seat Back Cushion Cover + Seat Bottom Cushion Cover	+ 0.98 (2.16)	1075 (42.3)
2	GA8-251022-021 + GA8-251022-023 + GA8-251012-43 / 44 + GA8-251012-45	GEN100618-GA-02-02 + GEN100618-GA-02-01 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Seat Back Cushion + Seat Bottom Cushion + Passenger Seat Back Cushion Cover LH / RH + Seat Bottom Cushion Cover	+ 0.98 (2.16)	1925 (75.8)
3	GA8-251022-021 + GA8-251022-023 + GA8-251012-43 / 44 + GA8-251012-45	GEN100618-GA-02-02 + GEN100618-GA-02-01 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Seat Back Cushion + Seat Bottom Cushion + Passenger Seat Back Cushion Cover LH / RH + Seat Bottom Cushion Cover	+ 0.98 (2.16)	2677 (105.4)
4	GA8-251022-021 + GA8-251022-023 + GA8-251012-43 / 44 + GA8-251012-45	GEN100618-GA-02-02 + GEN100618-GA-02-01 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Seat Back Cushion + Seat Bottom Cushion + Passenger Seat Back Cushion Cover LH / RH + Seat Bottom Cushion Cover	+ 0.98 (2.16)	3401 (133.9)

For aircraft fitted with the optional GippsAero leather seat covers detailed in ER-GA8-962580 refer to Table 3;

Table 3 - Weight & Balance Alteration for Optional Leather Seat Covers from ER-GA8-962580

Seat Row	Removed Seat Cushions and Covers Part Numbers	Installed Seat Cushions and Covers Part Numbers	Description	Change in Weight per Seat kg (lb)	Arm mm (in.)
1	GA8-251022-021 + GA8-251022-023 + GA8-251012-47 + GA8-251012-45	GEN100618-GA-02-02 + GEN100618-GA-02-01 + GEN100618-GA-01-02 + GEN100618-GA-01-01	Seat Back Cushion + Seat Bottom Cushion + Crew Seat Back Cushion Cover + Seat Bottom Cushion Cover	+ 1.08 (2.38)	1075 (42.3)
2	GA8-251022-021 + GA8-251022-023 + GA8-251012-43 / 44 + GA8-251012-45	GEN100618-GA-02-02 + GEN100618-GA-02-01 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Seat Back Cushion + Seat Bottom Cushion + Passenger Seat Back Cushion Cover LH / RH + Seat Bottom Cushion Cover	+ 1.08 (2.38)	1925 (75.8)
3	GA8-251022-021 + GA8-251022-023 + GA8-251012-43 / 44 + GA8-251012-45	GEN100618-GA-02-02 + GEN100618-GA-02-01 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Seat Back Cushion + Seat Bottom Cushion + Passenger Seat Back Cushion Cover LH / RH + Seat Bottom Cushion Cover	+ 1.08 (2.38)	2677 (105.4)
4	GA8-251022-021 + GA8-251022-023 + GA8-251012-43 / 44 + GA8-251012-45	GEN100618-GA-02-02 + GEN100618-GA-02-01 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Seat Back Cushion + Seat Bottom Cushion + Passenger Seat Back Cushion Cover LH / RH + Seat Bottom Cushion Cover	+ 1.08 (2.38)	3401 (133.9)

For aircraft fitted with the optional GippsAero leather seat covers detailed in ER-GA8-9625164 refer to Table 4;

Table 4 - Weight & Balance Alteration for Optional Leather Seat Covers from ER-GA8-9625164

Seat Row	Removed Seat Cushions and Covers Part Numbers	Installed Seat Cushions and Covers Part Numbers	Description	Change in Weight per Seat kg (lb)	Arm mm (in.)
1	GA8-251022-021 + GA8-251022-023 + GA8-251012-47 + GA8-251012-61	GEN100618-GA-02-02 + GEN100618-GA-02-01 + GEN100618-GA-01-02 + GEN100618-GA-01-01	Seat Back Cushion + Seat Bottom Cushion + Crew Seat Back Cushion Cover + Seat Bottom Cushion Cover	+ 1.08 (2.38)	1075 (42.3)
2	GA8-251022-021 + GA8-251022-023 + GA8-251012-51 / 52 + GA8-251012-61	GEN100618-GA-02-02 + GEN100618-GA-02-01 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Seat Back Cushion + Seat Bottom Cushion + Passenger Seat Back Cushion Cover LH / RH + Seat Bottom Cushion Cover	+ 1.08 (2.38)	1925 (75.8)
3	GA8-251022-021 + GA8-251022-023 + GA8-251012-51 / 52 + GA8-251012-61	GEN100618-GA-02-02 + GEN100618-GA-02-01 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Seat Back Cushion + Seat Bottom Cushion + Passenger Seat Back Cushion Cover LH / RH + Seat Bottom Cushion Cover	+ 1.08 (2.38)	2677 (105.4)
4	GA8-251022-021 + GA8-251022-023 + GA8-251012-51 / 52 + GA8-251012-61	GEN100618-GA-02-02 + GEN100618-GA-02-01 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Seat Back Cushion + Seat Bottom Cushion + Passenger Seat Back Cushion Cover LH / RH + Seat Bottom Cushion Cover	+ 1.08 (2.38)	3401 (133.9)

For aircraft fitted with non-GippsAero seat covers the weight and balance data for the removed seat covers must be obtained or determined and the difference calculated from Table 5, then the weight difference due to exchanging the cushions from Table 6 added for each affected seat;

Table 5 – Weight and Balance Data for Leather Seat Covers

Seat Cover Part Number	Description	Total Weight per Seat kg (lb)
GEN100618-GA-01-02 + GEN100618-GA-01-01	Crew Seat Back Cushion Cover + Seat Bottom Cushion Cover	2.19 (4.83)
GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Passenger Seat Back Cushion Cover LH / RH + Seat Bottom Cushion Cover	2.19 (4.83)

Table 6 – Weight and Balance Data for Comfort Cushion

Removed Seat Cushions Part Numbers	Installed Seat Cushions Part Numbers	Description	Change in Weight per Seat kg (lb)
GA8-251022-021 + GA8-251022-023	GEN100618-GA-02-02 + GEN100618-GA-02-01	Seat Back Cushion + Seat Bottom Cushion	+ 0.59 (1.3)

Approval

This Service Bulletin has been approved in accordance with the requirements of Australian Civil Aviation Safety Regulation 21.095 (1998).

Parts

The part numbers that require ordering to facilitate this modification are detailed in Table 7. Any or all of the seats may be converted from standard cushions to comfort cushions.

Table 7 – Parts List

ITEM	PART NUMBER	DESCRIPTION	QTY
1	GEN100618-GA-02-01	BOTTOM COMFORT CUSHION ASSY	A/R
2	GEN100618-GA-02-02	BACKREST CUSHION ASSY	A/R
3	GEN100618-GA-01-01	BOTTOM DRESS COVER ASSY	A/R
4	GEN100618-GA-01-02	PILOT BACK DRESS COVER ASSY	A/R
5	GEN100618-GA-01-03	RH PASSENGER BACK DRESS COVER ASSY	A/R
6	GEN100618-GA-01-04	LH PASSENGER BACK DRESS COVER ASSY	A/R

Parts Availability

Parts can be obtained directly from GippsAero.

Tel: +61 (0)3 5172 1200

Fax: +61 (0)3 5172 1201

Email: aircraft.parts@mahindraaerospace.com

Continuing Airworthiness

There are no new or additional continuing airworthiness requirements introduced by this Service Bulletin.

Warranty

This is an optional modification and the cost of installation is not eligible for warranty claims.

Accomplishment Instructions:

1. Installation

- 1.1. Remove the seat back cushion covers with part number GA8-251012-025 / 017 / 018 / 43 / 44 / 47 / 51 / 52 as applicable from the affected seats.
- 1.2. Remove seat back cushions with part number GA8-251022-021 from the affected seats.
- 1.3. Remove the seat bottom cushions and existing covers with part number GA8-251022-023 and GA8-251012-019 / 45 / 61 as applicable from the affected seats.
- 1.4. Insert comfort bottom cushion with part number GEN100618-GA-02-01 (item 1) into seat bottom cushion cover with part number GEN100618-GA-01-01 (item 3) then install onto affected seats.
- 1.5. Install comfort back cushion with part number GEN100618-GA-02-02 (item 2) onto affected seats.
- 1.6. Install seat back cushion covers with part number GEN100618-GA-01-02 / 03 / 04 (items 4, 5, or 6) as applicable onto the affected seats.

Documentation

The maintenance log of the affected aircraft must be updated to reflect incorporation of this Service Bulletin. If not all the seats were converted from standard to comfort cushions then the entry must identify which seat rows and which side (left/right) has been modified. The record of weight and balance alterations must be amended using the information in the Weight and Balance Section. The load data sheet will need to be re-issued if required by local operating regulations.

Compliance Notice

Complete the Document Compliance Notice and return to GippsAero by mail, fax or email.

DOCUMENT COMPLIANCE NOTICE



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Document:

SB-GA8-2020-202

Issue 1

Aircraft Serial Number: GA8-_____

Service Bulletin SB-GA8-2020-202 Issue 1 has been incorporated in the above aircraft.

Date of Incorporation: _____

Signed

Print Name: _____

Please post, fax or email this compliance notice to:

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