



A Mahindra Aerospace Company

PO Box 881, Morwell, Victoria 3840, Australia
Ph + 61 (0) 3 5172 1200
Fax + 61 (0) 3 5172 1201
www.mahindraaerospace.com

SB-GA8-2020-204

Issue 1

OPTIONAL

Service Bulletin

Subject

Installation of Ruggedised Passenger Seats with Comfort Cushion.

Applicability

GA8 / GA8-TC 320 Models.

Amendments

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

Background

This Service Bulletin approves the removal of the standard passenger seats with part numbers GA8-252011-01/012 and installation of the ruggedised passenger seat and comfort cushion with part numbers GA8-252013-011/012 in addition to the replacement of the existing fabric, leather, or sheepskin seat covers with the leather seat covers for the comfort cushion. Note that the crew seats cannot be ruggedised however the comfort cushions may be installed in accordance with GippsAero Service Bulletin SB-GA8-2020-202.

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 and Seat Cover Part Numbers	Installed Seat and Seat Cover Part Numbers	Description	Change in Weight per Seat kg (lb)	Arm mm (in.)
2	GA8-252011-011 / 012 + GA8-251012-017 / 018 + GA8-251012-019	GA8-252013-011 / 012 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Passenger Seat LH / RH + Passenger Seat Back Cushion Cover LH / RH + Seat Bottom Cushion Cover	+ 1.98 (4.37)	1925 (75.8)
3	GA8-252011-011 / 012 + GA8-251012-017 / 018 + GA8-251012-019	GA8-252013-011 / 012 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Passenger Seat LH / RH + Passenger Seat Back Cushion Cover LH / RH + Seat Bottom Cushion Cover	+ 1.98 (4.37)	2677 (105.4)
4	GA8-252011-011 / 012 + GA8-251012-017 / 018 + GA8-251012-019	GA8-252013-011 / 012 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Passenger Seat LH / RH + 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 and Seat Cover Part Numbers	Installed Seat and Seat Cover Part Numbers	Description	Change in Weight per Seat kg (lb)	Arm mm (in.)
2	GA8-252011-011 / 012 + GA8-251012-43 / 44 + GA8-251012-45	GA8-252013-011 / 012 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Passenger Seat LH / RH + Passenger Seat Back Cushion Cover LH / RH + Seat Bottom Cushion Cover	+ 0.98 (2.16)	1925 (75.8)
3	GA8-252011-011 / 012 + GA8-251012-43 / 44 + GA8-251012-45	GA8-252013-011 / 012 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Passenger Seat LH / RH + Passenger Seat Back Cushion Cover LH / RH + Seat Bottom Cushion Cover	+ 0.98 (2.16)	2677 (105.4)
4	GA8-252011-011 / 012 + GA8-251012-43 / 44 + GA8-251012-45	GA8-252013-011 / 012 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Passenger Seat LH / RH + 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 and Seat Cover Part Numbers	Installed Seat and Seat Cover Part Numbers	Description	Change in Weight per Seat kg (lb)	Arm mm (in.)
2	GA8-252011-011 / 012 + GA8-251012-43 / 44 + GA8-251012-45	GA8-252013-011 / 012 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Passenger Seat LH / RH + Passenger Seat Back Cushion Cover LH / RH + Seat Bottom Cushion Cover	+ 1.08 (2.38)	1925 (75.8)
3	GA8-252011-011 / 012 + GA8-251012-43 / 44 + GA8-251012-45	GA8-252013-011 / 012 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Passenger Seat LH / RH + Passenger Seat Back Cushion Cover LH / RH + Seat Bottom Cushion Cover	+ 1.08 (2.38)	2677 (105.4)
4	GA8-252011-011 / 012 + GA8-251012-43 / 44 + GA8-251012-45	GA8-252013-011 / 012 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Passenger Seat LH / RH + 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 and Seat Cover Part Numbers	Installed Seat and Seat Cover Part Numbers	Description	Change in Weight per Seat kg (lb)	Arm mm (in.)
2	GA8-252011-011 / 012 + GA8-251012-51 / 52 + GA8-251012-61	GA8-252013-011 / 012 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Passenger Seat LH / RH + Passenger Seat Back Cushion Cover LH / RH + Seat Bottom Cushion Cover	+ 1.08 (2.38)	1925 (75.8)
3	GA8-252011-011 / 012 + GA8-251012-51 / 52 + GA8-251012-61	GA8-252013-011 / 012 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Passenger Seat LH / RH + Passenger Seat Back Cushion Cover LH / RH + Seat Bottom Cushion Cover	+ 1.08 (2.38)	2677 (105.4)
4	GA8-252011-011 / 012 + GA8-251012-51 / 52 + GA8-251012-61	GA8-252013-011 / 012 + GEN100618-GA-01-04 / 03 + GEN100618-GA-01-01	Passenger Seat LH / RH + 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 seats from Table 6 added for each affected seat location;

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 Seats

Removed Seat Part Number	Installed Seat Part Number	Description	Change in Weight per Seat kg (lb)
GA8-252011-011 / 012	GA8-252013-011 / 012	Passenger Seat LH / RH	+ 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 passenger seats may be converted from standard to ruggedised.

Table 7 – Parts List

ITEM	PART NUMBER	DESCRIPTION	QTY
1	GA8-252013-011	Ruggedised Passenger Seat with Comfort Cushion LH	A/R
2	GA8-252013-012	Ruggedised Passenger Seat with Comfort Cushion RH	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 standard passenger seat with part numbers GA8-252011-011/012 as applicable from the desired passenger seat locations in accordance with the GA8 Service Manual section 25-20-01.
- 1.2. Install ruggedised passenger seats with part number GA8-252013-011/012 (items 1 and 2) into the desired passenger seat locations in accordance with the GA8 Service Manual section 25-20-01.

Documentation

The maintenance log of the affected aircraft must be updated to reflect incorporation of this Service Bulletin. If not all the passenger seats were converted from standard to ruggedised 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-GA8-2020-204

Issue 1

Aircraft Serial Number: GA8-_____

Service Bulletin SB-GA8-2020-204 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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Attn: Technical Publications

Email: aircraft.techpubs@mahindraaerospace.com

P.O. Box 881

Morwell Victoria 3840

Australia

Fax.: +61 03 5172 1201