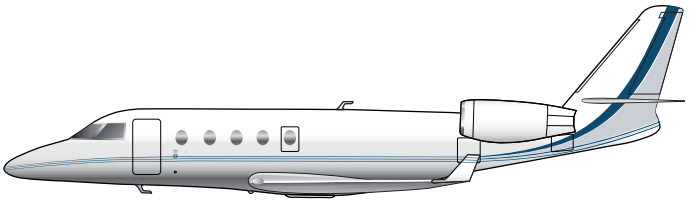
Gulfstream G150



SERVICE BULLETIN

NUMBER 150-24-193

SUBJECT

ELECTRICAL POWER (ATA 24) – UPPER AND LOWER FRONT RELAY BOX REPLACEMENT

MARCH 30, 2018

Gulfstream®
AEROSPACE LP

SERVICE BULLETIN

ELECTRICAL POWER - UPPER AND LOWER FRONT RELAY BOX REPLACEMENT

PLANNING INFORMATION

1. Effectivity

Aircraft serial numbers 201 through 326

2. Concurrent Requirement

None

3. Reason

Due to the possibility of corrosion in the relay box connector's solder joint to the printed circuit board, acrylic conformal coating has been added to prevent this condition.

4. Description

This service bulletin provides instructions to remove and replace the upper front relay box IAI P/N 25G8130301-XXX with an improved upper front relay box IAI P/N 25G8130301-516 upgraded to MOD A, and to remove and replace the lower front relay box IAI P/N 25G8130300-XXX with an improved lower front relay box IAI P/N 25G8130300-520 upgraded to MOD A.

5. Compliance

Compliance with this service bulletin is mandatory at the next suitable planned maintenance period within 36 months from the original release date of this service bulletin.

6. Approval

This service bulletin has been reviewed by the Civil Aviation Authority of Israel (CAAI). The design content herein complies with the applicable Civil Aviation Regulations and is CAAI-approved.

7. Manpower

The following information is for planning purposes only:

Estimated labor-hours: 220

SERVICE BULLETIN

8. Weight and Balance

None

9. Electrical Load Data

No Change

10. Software Accomplishment Summary

None

11. References

G150 Aircraft Maintenance Manual (AMM), Chapters 20 and 24
G150 Illustrated Parts Catalog (IPC), Chapter 24
Gulfstream Aerospace LP G150 TC Design Change MOD G15-10087
Aircraft serial number specific Instructions for Continued Airworthiness (ICA) for Cabin Interior STC ST10316SC-D, Document GA32204AXXX, Chapter 25-34-00 Galley
G150 Completion Center Maintenance Handbook (CCMH), Chapter 25

This Service Bulletin incorporates design data approved under G150 TC design change MOD G15-10087 for installation on the standard type certificated aircraft. Approval for any deviation from the instructions contained in this service bulletin should be obtained, if required, from the local regulatory authority in accordance with the local relevant regulations.

NOTE: All references in this document are intended to be inclusive of any amendments or revisions unless otherwise stated.

12. Other Publications Affected

G150 IPC, Chapter 24

13. Interchangeability or Intermixability of Parts

N/A

SERVICE BULLETIN

MATERIAL INFORMATION

1. Material - Availability

NOTE: Due to material lead times, and the limited number of units being available at any one time, it is critical to confirm material availability by contacting Gulfstream Scheduling at 800-810-GULF (4853) or 912-965-4178. If not scheduled, down times could increase significantly.

Removed components must be returned to Gulfstream Aerospace Material Services Repair Control Center within five (5) days of receiving replacement parts. Repair Control may be reached at 800-810-GULF (4853) or 912-965-4178.

2. Warranty Information - Component

Labor and materials will be at no charge if the aircraft is still within the component warranty periods and this service bulletin is accomplished within the recommended compliance time, as stated in this document, at a Gulfstream G150 Authorized Warranty Facility or Factory Authorized Service Center. *

*Coverage is granted per the terms and conditions of the Gulfstream Aircraft Sales Agreement to the original purchaser or subsequent owner with appropriate Assignment of Warranties on file with Gulfstream.

NOTE: Additional labor hours incurred due to aircraft configuration or mechanical difficulties must be charged on a separate work order and submitted for warranty consideration.

3. Material Necessary for Each Aircraft

A. Material to be Procured:

New P/N	Keyword	Old P/N	Qty
* IAI P/N 25G8130301-516	Upper Front Relay Box	IAI P/N 25G8130301-510/-512/-514/-516	1
* IAI P/N 25G8130300-520	Lower Front Relay Box	IAI P/N 25G8130300-512/-516/-518/-520	1

* Upgraded to MOD A

B. Materials Supplied by Operator:

None

4. Reidentified Parts

None

5. Special Tooling

Low resistance digital ohmmeter, GSE2401147 (247001) or equivalent
Torque wrench 0 - 15 inch pounds, GSE5101144 (151DIN) or equivalent

SERVICE BULLETIN

ACCOMPLISHMENT INSTRUCTIONS

CAUTION: PROTECT WIRE BUNDLES, CONNECTORS AND SURROUNDING STRUCTURE DURING ANY MAINTENANCE PROCEDURES FROM SHAVINGS, DEBRIS AND CONTAMINATION. MAINTAIN A PROPERLY CLEANED WORK AREA THROUGHOUT THE PROCEDURE TO ENSURE THE INTEGRITY OF THE AFFECTED COMPONENT/SYSTEM. VISUALLY INSPECT WORK AREA USING ADDITIONAL LIGHT AS NECESSARY TO VERIFY ABSENCE OF ANY DEBRIS PRIOR TO COMPLETION OF PROCEDURE. FAILURE TO COMPLY MAY RESULT IN DAMAGE TO COMPONENTS AND/OR SYSTEMS.

1. Prepare aircraft for safe maintenance. Refer to Aircraft Maintenance Manual (AMM), Chapter 20.

CAUTION: MAKE SURE ELECTRICAL POWER IS DISCONNECTED FROM AIRCRAFT. FAILURE TO COMPLY MAY RESULT IN INJURY TO PERSONNEL AND/OR DAMAGE TO AIRCRAFT.

2. Disconnect external electrical power from aircraft. Refer to AMM, Chapter 20.

3. Remove interior to gain access to front relay box.

   NOTE: Both the upper and lower front relay boxes are located on the right side of the aircraft directly above/below one another.

4. Inspect data plate to determine if MOD A unit is installed. If MOD A unit is installed, then no further action is required for the upper front relay box. Proceed to Step 6.

5. Remove and replace upper front relay box, IAI P/N 25G8130301-510/-512/-514/-516 with IAI P/N 25G8130301-516 upgraded to MOD A in accordance with AMM, Chapter 24-60-03. Perform the Follow On instructions only when arriving to Step 9 below.

   NOTE: Ensure bonding strap is removed from airframe side and sent back with the removed unit.

6. Remove interior to gain access to lower front relay box.

7. Inspect data plate to determine if MOD A unit is installed. If MOD A unit is installed, then no further action is required for the lower front relay box. Proceed to Step 9.

8. Remove and replace lower front relay box, IAI P/N 25G8130300-512/-516/-518/-520 with IAI P/N 25G8130300-520 upgraded to MOD A in accordance with AMM, Chapter 24-60-04. Perform the Follow On instructions only when arriving to Step 9 below.

   NOTE: Ensure bonding strip is removed from airframe side and sent back with the removed unit.

SERVICE BULLETIN

9. Perform the Follow On instructions for replacement of upper and/or lower front relay boxes in AMM, Chapter 24-60-03 and/or 24-60-04 in accordance with the box(es) which was/were actually replaced. If both boxes were replaced, then common actions which appear in both Follow On sections should be performed only once.

10. Tag any removed relay boxes, IAI P/N 25G8130301-510/-512/-514/-516 and IAI P/N 25G8130300-512/-516/-518/-520, and return to Gulfstream.

    NOTE: Protective caps must be used on all connectors and relay boxes should be placed in an ESD bag. The unti shall be placed into the product specific wooded crate with product specific foam inserts. Otherwise, additional fees may be incurred. Contact Parts Sales if none are available. Crates and foam inserts used in shipping upgraded units shall be used for returned units.

11. Install interior removed in Steps 3 and 6.

12. Ensure work area is clean and clear of foreign objects (FOD).

13. Record compliance with this service bulletin in the aircraft's permanent maintenance records and return aircraft to flight status.

14. Report compliance with this service bulleting to Gulfstream Computerized Maintenance Program (CMP) by uploading the attached service reply card, along with the CMP task card(s) sign-off using MyGulfstream, MyCMP Document Upload or e-mail to cmp.docproc@campsystems.com.

    If technical assistance is required, contact your area Gulfstream Field Service Representative or call Gulfstream Customer Support at 800-810-GULF (4853).

GULFSTREAM G150
SERVICE BULLETIN NO. 150-24-193
SERVICE REPLY CARD

Please upload this page, along with the CMP task card(s) sign-off using MyGulfstream, MyCMP Document Upload, or e-mail to cmp.docproc@campsystems.com

The following Service Bulletin (SB) has been addressed:

SB CMP NUMBER	A/C	AIRCRAFT TYPE	COMPLIANCE DATE
981930		Gulfstream G150	

Aircraft Hours _____
Aircraft Landings_____

This Service Bulletin is not applicable because:

_____Serial Number not affected
_____Equipment not installed
_____Previously complied with (annotate method of compliance below)
_____Other (explain reason below)

SIGNATURE	TITLE / CERTIFICATE NUMBER	COMPANY

COMMENTS / SUGGESTIONS / ACTIONS TAKEN:

Service Bulletin prepared by Gulfstream Aerospace, 500 Gulfstream Road, P.O. Box 2206, Savannah, Georgia 31402-2206, USA. © 2018 Gulfstream Aerospace. All rights reserved, including the right to reproduce this publication. No part may be reproduced, stored in any retrieval system, or transmitted in any part or form or by any means, electronic, photocopying, microfilm, microfiche, mechanical, or otherwise, without prior written permission of Gulfstream Aerospace. This technical data is controlled under the Export Administration Regulations by General License TSU. It may not be transferred to a third party without the prior written approval of the U.S. Department of Commerce.