



THIS BULLETIN DOES NOT CHANGE AIRCRAFT TYPE DESIGN

SUBJECT: Improve Headset Clarity in NXi Installed Aircraft

MODELS/ SN M20U Ovation Ultra - 32-0002
AFFECTED: M20V Acclaim Ultra - 33-0002, 33-0003, 33-0005

TIME OF
COMPLIANCE: **OPTIONAL**

INTRODUCTION: It has been discovered in the field (one aircraft), when the stall vane is on the threshold of being activated, popping and crackling can be heard in the headsets on NXi installed Mooney M20U and M20V Ultra aircraft. Mooney Engineering concluded that 2 wires initially added into the configuration, were not required for new components of NXi Aircraft. This service bulletin provides instructions on disconnecting, capping and stowing the 2 extra wires. No safety issue is connected with this service bulletin.

INSTRUCTIONS: **Read entire procedures before beginning work.**

NOTE:

All work to be done in accordance with FAA AC43.13.

- 1.1. Turn the Master Switch off.
- 1.2. Remove LH & RH tailcone access panels, and disconnect batteries, reference applicable Service and Maintenance manual.
- 1.3. Locate and remove the GDL69A unit in the avionics rack.

NOTE:

This procedure may require cable ties to be removed for adequate clearance to install crimp cap p/n 324485 to wire ends.

NOTE:

Cap and Stow wires in accordance with FAA AC43.13.

- 1.4. Remove the connector P691 from the GDL back plate.
- 1.5. Locate wire GDL4A pin (#61) and remove from connector, refer to Figure M20-331-1.
- 1.6. Install crimp cap p/n 324485 and stow wire in accordance with FAA AC43.13, refer to Figure M20-331-1.
- 1.7. Locate wire GDL3A pin (#62) and remove from connector, refer to Figure M20-331-1.
- 1.8. Install crimp cap p/n 324485 and stow wire in accordance with FAA AC43.13, refer to Figure M20-331-1.
- 1.9. Removing front seats is optional, refer to applicable Service and Maintenance manual.
- 1.10. Under LH flight panel area, locate and disconnect the GEA Interface refer to Figure M20-331-1.
- 1.11. Locate wire GDL4A pin (#L), follow wire to wire splice, cut GDL4A wire allowing room to install crimp cap p/n 324485 to both cut ends, and stow wire in accordance with FAA AC43.13, refer to Figure M20-331-1.
- 1.12. Find wire GDL3A pin (#R) and remove from connector, refer to Figure M20-331-1.
- 1.13. Cut pin from wire, install crimp cap p/n 324485 and stow wire in accordance with FAA AC43.13, refer to Figure M20-331-1.



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- 1.14. Reconnect the GEA Interface.
- 1.15. Reinstall the connector P691 to the GDL back plate.

NOTE:

Ensure connector orientation is correct before installing GDL69A into avionics rack.

- 1.165. Install any removed cable ties as required.
- 1.17. Reinstall the GDL69A unit in the avionics rack.
- 1.18. Reinstall seat(s) if previously removed, refer to applicable Service and Maintenance manual.
- 1.19. Reconnect batteries, reinstall RH & LH tailcone access panels, reference applicable Service and Maintenance manual.
- 1.20. Complete log book entry and Compliance Card Figure M20-331-2.
- 1.21. Return aircraft to service.
- 1.22. Procedure complete.

WARRANTY: Mooney International Corporation will warrant labor 3.5 hours in accordance with procedures of this service bulletin. If further action is needed, please email support@mooney.com and a representative will be in contact with you.

REFERENCE DATA: 1. M20U or M20V Mooney Service and Maintenance Manual

Parts Kit P/N: **Service Bulletin Kit M20-331-001**

<u>Item</u>	<u>P/N</u>	<u>Description</u>	<u>Qty</u>
1.	324485	CRIMP CAPS	5



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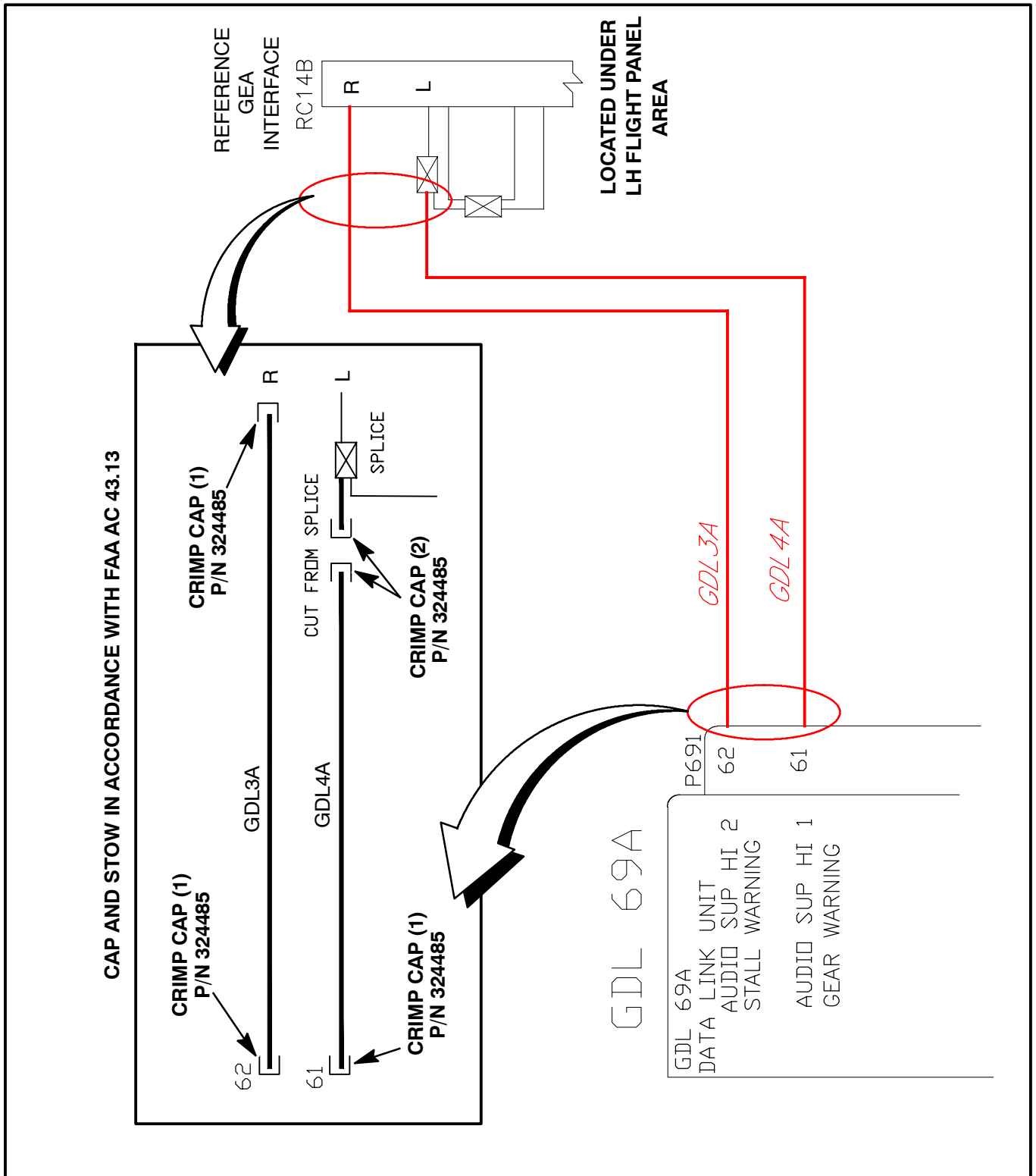


Figure SB M20-331-1 - GDL69A CAP AND STOW WIRE DIAGRAM



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MOONEY INTERNATIONAL CORPORATION
KERRVILLE, TEXAS 78028 - FAX 830-257-4635

SERVICE (BULLETIN) (INSTRUCTION) NO. _____ HAS BEEN COMPLIED
WITH ON AIRCRAFT MODEL _____ SERIAL NUMBER _____

Tach. Time: _____ N-Number _____ (Reg. No.)
Owner: _____ Date of Compliance: _____
_____ Complied By: _____

Inspection Report: _____

Form 07-0001

PLACE
STAMP
HERE

MOONEY INTERNATIONAL CORPORATION
ATT'N: TECHNICAL SUPPORT
165 Al Mooney Road North
Kerrville, Texas 78028

SEND TO: Mooney International Corporation
165 Al Mooney Road North
Kerrville, TX 78028
FAX: (830) 257-4635 or EMAIL techpubs@mooney.com

Figure SB M20-331-2 - Compliance Card