
MANDATORY SERVICE BULLETIN NO. DAC1-34-10 REV. 0

I TECHNICAL DETAILS

I.1 Category

Mandatory

I.2 Airplanes Affected

Type: DA 20-C1

S/N: C0699, C0700, and C0701

I.3 Time of Compliance

At next scheduled maintenance action

I.4 Subject

GTx345 and TAS605 audio lines.

ATA code: 34-50

I.5 Reason

The affected aircraft by this service bulletin have had their GTx345 audio line capped and stowed instead of the TAS605 audio line. This service bulletin provides instructions for correcting the wiring.

I.6 Approval

Engineering data referenced or contained in this service bulletin is approved as part of the type design.

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I.7 Accomplishment/Instructions

1. Pull the battery circuit breaker located on the right side of the instrument panel.
2. Disconnect the aircraft battery as per AMM Chapter 24-31-00.
3. Remove the instrument panel cover as per AMM Chapter 25-10-00.
4. Cut all the tie wraps along the top of the avionic radio rack behind the GMA340 audio panel.
5. Pull out all four resistors and associated splices from the wire bundle. See Figure 1, below.
6. Locate wire 34425B22 and remove splice between the white wire and the resistor. Take care to keep the resistor leg as long as possible.

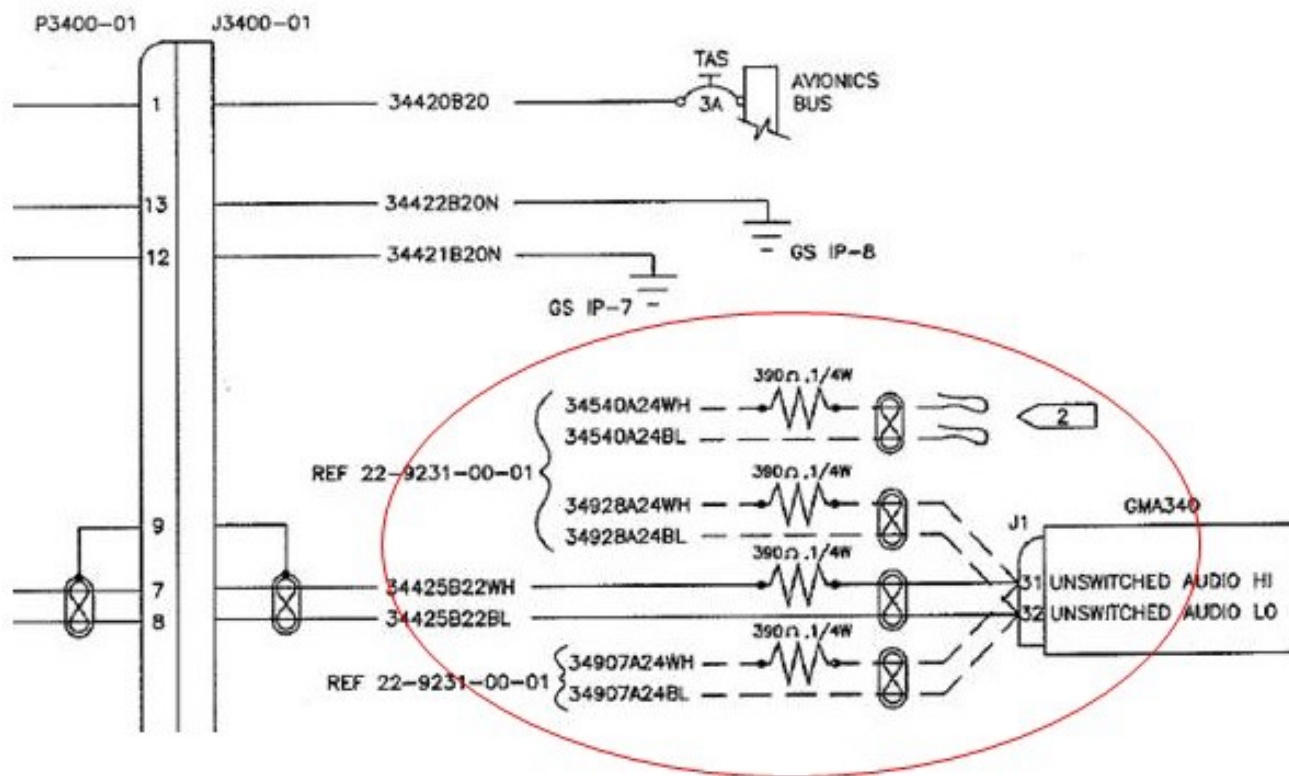


Figure 1. Reference for steps 4 to 6.

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7. Cap and stow the 34425B22 white wire. See Figure 2, below.

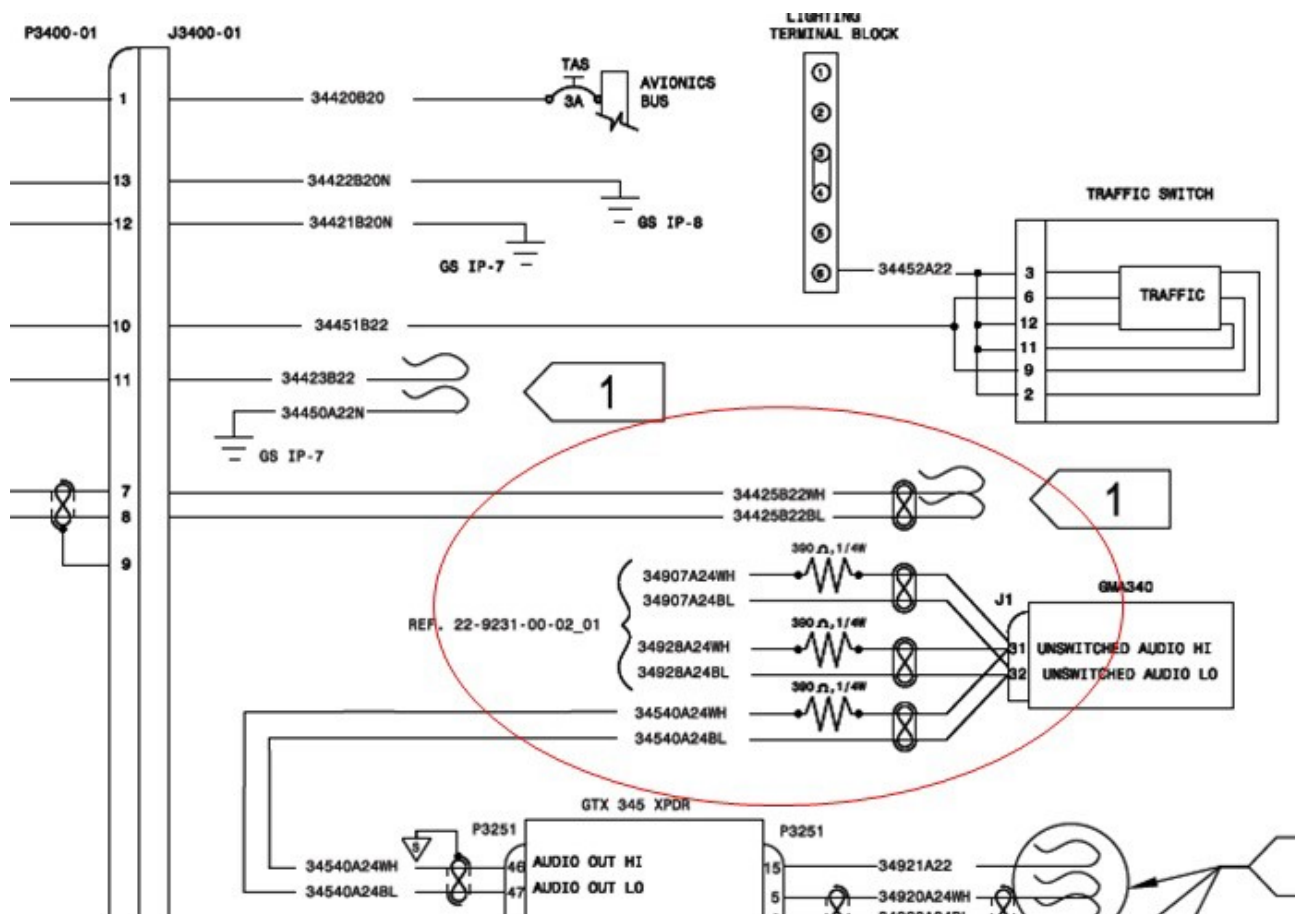


Figure 2. Reference for step 7 onwards.

8. Locate wire 34540A24 and remove the splice between the white wire and the resistor. Take care to keep as much of the white wire as possible. Discard the resistor and jumper wire that is capped and stowed in the GMA340 J1 connector backshell (also refer to Figure 1).
9. Splice the white wire of 34540A24 to the resistor that was previously connected to wire 34425B22.
10. Neatly tie wrap the avionic wire bundle behind the GMA340 audio panel.
11. Inspect the work performed and check for FOD.
12. Connect the aircraft battery as per AMM Chapter 24-31-00.

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13. Reset the battery circuit breaker.
14. Download the Garmin GTX3x5 Install Tool from the Dealer Resource Center website.
15. Connect the laptop to the GTX using the USB connector located at the top of the avionics harness radio rack.
16. Perform system traffic test, and ensure audio is heard.
17. Reinstall IP cover.
18. Make a logbook entry indicating that this service bulletin has been installed.
19. Submit the execution report to Techpubs@diamondaircraft.com.

I.8 Mass (Weight) and CG

The change in mass and CG is negligible.

II PLANNING INFORMATION

II.1 Material and Availability

None.

II.2 Special Tools

None.

II.3 Labour Effort

Approximately 2 hours will be required to accomplish this service bulletin.

This estimate is for direct labour performed by a technician, and it does not include setup, planning, familiarization, cure time, part fabrication, or tool acquisition.

II.4 Credit

2 hours labour.

II.5 Reference Documents

DA 20-C1 Aircraft Maintenance Manual (AMM), Document # DA201-C1.

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III REMARKS

1. All work must be done by a certified aircraft service station or a certified aircraft maintenance mechanic.
2. All work, particular that, which is not especially described in this service bulletin, must be done in accordance with the referenced maintenance manual.
3. Completion of all work must be recorded in the logbook.
4. In case of doubt, contact Diamond Aircraft Industries.

To obtain satisfactory results, procedures specified in this service bulletin must be accomplished in accordance with accepted methods and current government regulations. Diamond Aircraft cannot be responsible for the quality of work performed in accomplishing the requirements of this service bulletin. Diamond Aircraft reserves the right to void continued warranty coverage in the area affected by this service bulletin if it is not incorporated.

If you no longer own the aircraft to which this service bulletin applies, please forward it to the current owner and send the name of the current owner to Diamond Aircraft at the address below.

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**EXECUTION REPORT TO
SERVICE BULLETIN
DAC1-34-10 REV. 0**

AIRPLANE INFORMATION

Airplane Serial Number _____

Airplane Registration _____

Airplane Operator _____

Hours of Operation of Airplane _____

No. of Landings _____

Hours of Operation of Engine _____

Typical Operation of Airplane _____
(private, club, training, other)

Date, Name, Signature

Please e-mail the completed form to Techpubs@diamondaircraft.com.