

"DOCUMENT UNCONTROLLED IF PRINTED"

DOC #	PROCESS NAME	PAGE	REVISION	STATION	BY	DATE
AR833	Dallas DART Passenger Speaker Connection	1 OF 3		SER-E	B.Hines	2/22/2017

Read process before beginning. If you do not understand any part please contact: Chris Ward, VP of Parts and Warranty at 1-866-953-5555 or by E-mail @ cward@ARBOCSV.com.

Good Mechanics safety practice must be followed on any repairs.

Safety practices should include but not be limited to properly supporting the chassis, axles, blocking tires, and a work area free of clutter.

Complaint: Rear Speakers not functioning

Cause: Speakers wired to GM OEM Connection

Correction: Re-wire into PA System

Vehicles Affected: (27) Dallas DART Units built in 2016 (2607, 2685-2691, 2695-2697, 2700-2703, 2710-2712, 2715-2723)

Labor Operation Code: 061201

Pre-authorization Required

Labor Time Allowance: 0 hours

Parts Returned: No

Tools Required

Wire Strippers/Crimpers

Parts Required

6 FT - Yellow Wire

6 FT- Orange Wire

6 FT- Red Wire

6 FT- Black Wire

6 Splice Connectors

Repair Instructions:

Step 1: Run 2 sets of wires to tap into the speaker harnesses. You will need 4 colors. A positive driver side and negative driver side, and positive/negative passengerside. We used red and black on driver side and yellow and orange on the passenger side.



Step 2: Locate and remove speaker 1 on the front driver side of the bus. Behind the speaker you will find a group of harnesses. Peel the loom back until you find the bundle with Grn, Grn/blk and wht, wht/blk.



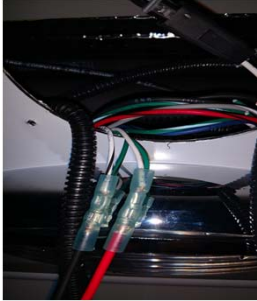
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DOC #	PROCESS NAME	PAGE	REVISION	STATION	BY	DATE
AR833	Dallas DART Passenger Speaker Connection	2 OF 3		SER-E	B.Hines	2/22/2017

Step 3: Cut the above wires and join the white and green into one heat shrink butt terminal and join the white/black and green/black into one heat shrink butt terminal.

3a: Terminate the your new color you used for positive to the green and white wires.

3b: Terminate your new negative wire to the green/black and white/black wires. Make sure you splice onto the wires going to the back of the bus.



Step 4: Open the door above the entry door and find the transition connector containing the purple, purple/black and grey, grey/black.

Step 5: Pull transition connector apart and the side with the male terminals cut the above colors.

Step 6: Join the purple and grey wires in a heat shrink butt terminal, and join the purple/black and grey/black in a heat shrink butt terminal.

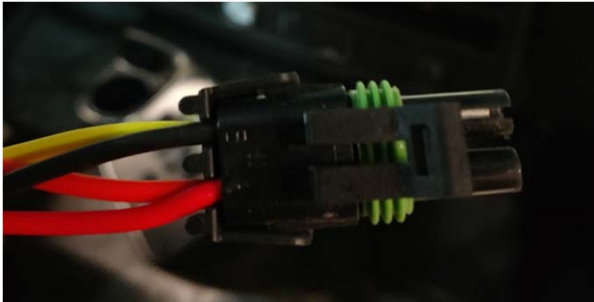
Step 7: Place your new positive wire in the butt connector with the purple and grey wires. Crimp

Step 8: Place your new negative wire in the butt connector with the purple/black and grey/black wires. Crimp

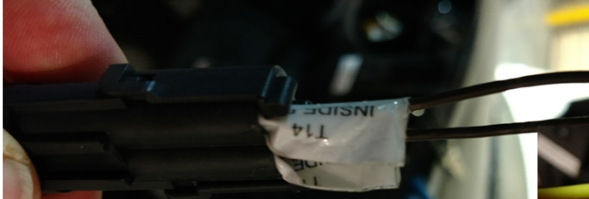


9. Route your wires to the overhead to tie into the brown wires for the PA system.

10. Join your new positive wires in a terminal and join your new negative wires together. We used a weather pak connector and plug.



11. Cut off ring terminals on brown wires and terminate with mate to the above plug. These wires are labeled "Inside positive" and "Inside Negative". Plug together with above plug.



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AR833	Dallas DART Passenger Speaker Connection	3 OF 3		SER-E	B.Hines	2/22/2017

12. Locate exterior speaker. Remove from cap on bus.



13. Cut the orange and orange/black wires back about 6" from speaker and splice in the grey wire from the PA system. These wires are marked "Outside PA-" and "Outside PA+".

14. Splice the orange to the grey "outside PA+" and the orange/black to the "outside PA-"

