

MODEL: Karma Revero**DATE:** November 2017**TITLE:** Harness Overlay Install - for EPB**Revised** 11-30-17**PRIORITY:** All Revero**APPLICABILITY:** MY17 and MY18 Revero (see attached VIN list)**MARKET REGION:** North America**PURPOSE:** Overlaying a harness from the D0310-1 to inline connector C316.

Before working on the harness perform a 12V disconnect.

Have the necessary tools required to perform work on a electrical harness:

- wire snips
- needle nose pliers (fig.1a)
- highest quality electrical tape
- cable ties (fig.1b)
- standard type automotive connector picks (Miller 6680-2 shown fig.1c)

The Overlay Harness Assembly (C161190100500) is required to perform this repair, order from Karma Automotive (fig.1d).



fig. 1a



fig. 1b



fig. 1c



fig. 1d

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Service Campaign

CC-17-60-27

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The following vehicles be subject to this bulletin.

50GK41SA7HA000014	50GK41SA9JA000036	50GK41SA7JA000066	50GK41SA5JA000101
50GK41SA0HA000016	50GK41SA0JA000037	50GK41SA9JA000067	50GK41SA0JA000104
50GK41SA4HA000018	50GK41SA2JA000038	50GK41SA0JA000068	50GK41SA6JA000107
50GK41SA6HA000019	50GK41SA4JA000039	50GK41SA2JA000069	50GK41SAXJA000109
50GK41SA8HA000023	50GK41SA6JA000009	50GK41SA9JA000070	50GK41SA1JA000113
50GK41SA4HA000021	50GK41SA0JA000040	50GK41SA2JA000072	50GK41SA3JA000114
50GK41SA6HA000022	50GK41SA2JA000041	50GK41SA6JA000074	
50GK41SA2HA000020	50GK41SA4JA000042	50GK41SA8JA000075	50GK41SA0JA000023
50GK41SAXHA000024	50GK41SA6JA000043	50GK41SAXJA000076	50GK41SA6JA000026
50GK41SA3HA000012	50GK41SA7JA000004	50GK41SA1JA000077	50GK41SA8JA000044
50GK41SA4JA000011	50GK41SA0JA000006	50GK41SA3JA000078	50GK41SA2JA000069
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50GK41SA3JA000016	50GK41SA7JA000049	50GK41SA7JA000083	
50GK41SA5JA000017	50GK41SA5JA000051	50GK41SA9JA000084	
50GK41SA7JA000021	50GK41SA3JA000050	50GK41SA2JA000086	
50GK41SA9JA000019	50GK41SA7JA000052	50GK41SA4JA000087	
50GK41SA5JA000020	50GK41SA0JA000054	50GK41SA8JA000089	
50GK41SA8JA000027	50GK41SA2JA000055	50GK41SA4JA000090	
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50GK41SA8JA000030	50GK41SA8JA000058	50GK41SA1JA000094	
50GK41SAXJA000031	50GK41SA6JA000060	50GK41SA3JA000095	
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50GK41SA3JA000033	50GK41SAXJA000062	50GK41SA7JA000097	
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50GK41SA7JA000035	50GK41SA3JA000064	50GK41SA0JA000099	
50GK41SA2JA000010	50GK41SA5JA000065	50GK41SA3JA000100	

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1. Remove the rear seats and interior trim to access the grommet to the trunk area, reference the service manual if required (fig. 2a-2d). The trunk side of the grommet is seen in (fig. 2e).

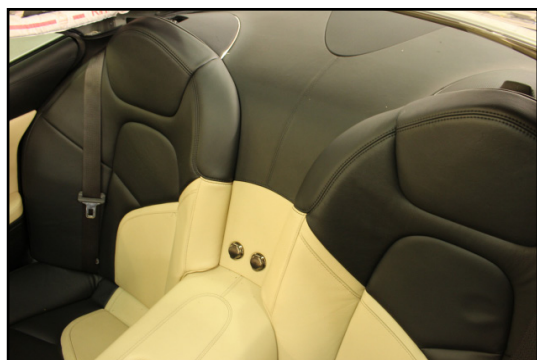


fig. 2a



fig. 2b



fig. 2c



fig. 2d



fig. 2e

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2. Access the trunk, remove the trim (fig.3a-3b) to expose connector C316 (fig. 3c).



fig. 3a



fig. 3b

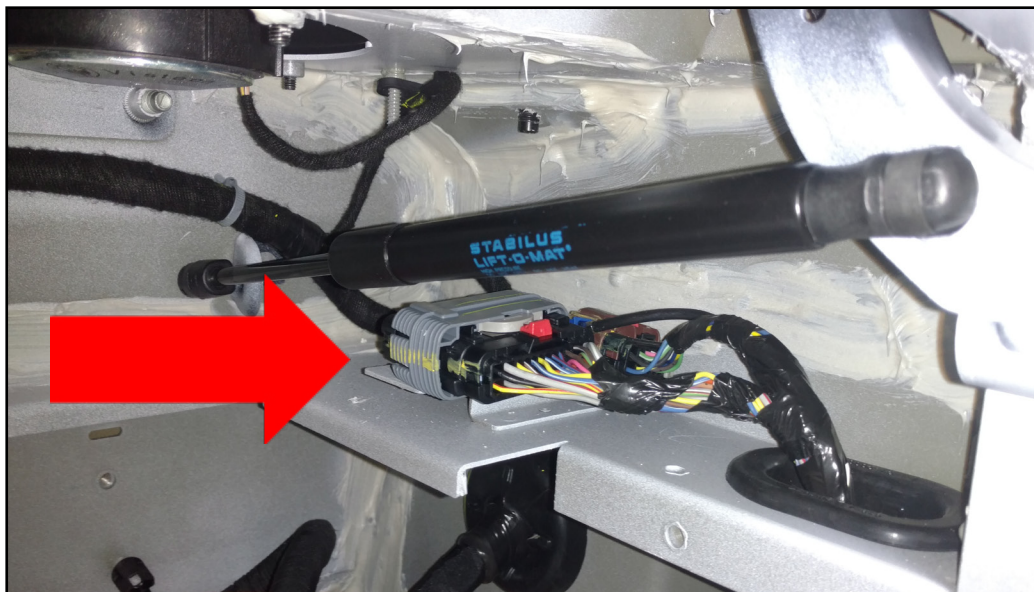


fig. 3c

This is found on the passenger side of the trunk.

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3. The overlay harness will run as shown, and zip-tie along the existing interior harness (fig.4a, 4b) and route along the the trunk harness (fig.4c) every 12-inches is recommended. The MALE terminals will be going into the connector C316, this end of the over lay passes into the trunk.



fig. 4a

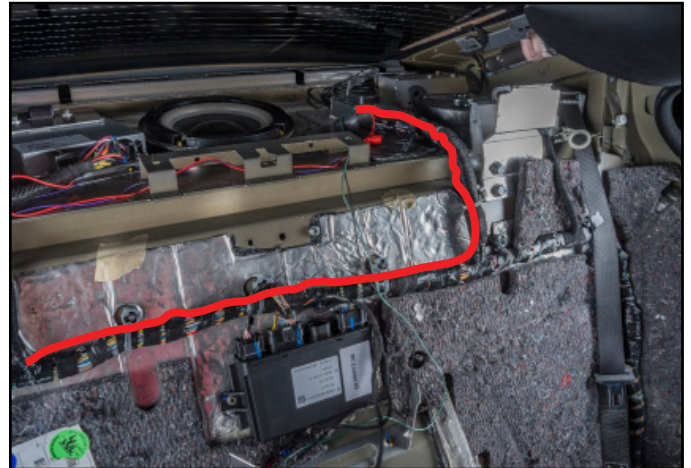


fig. 4b

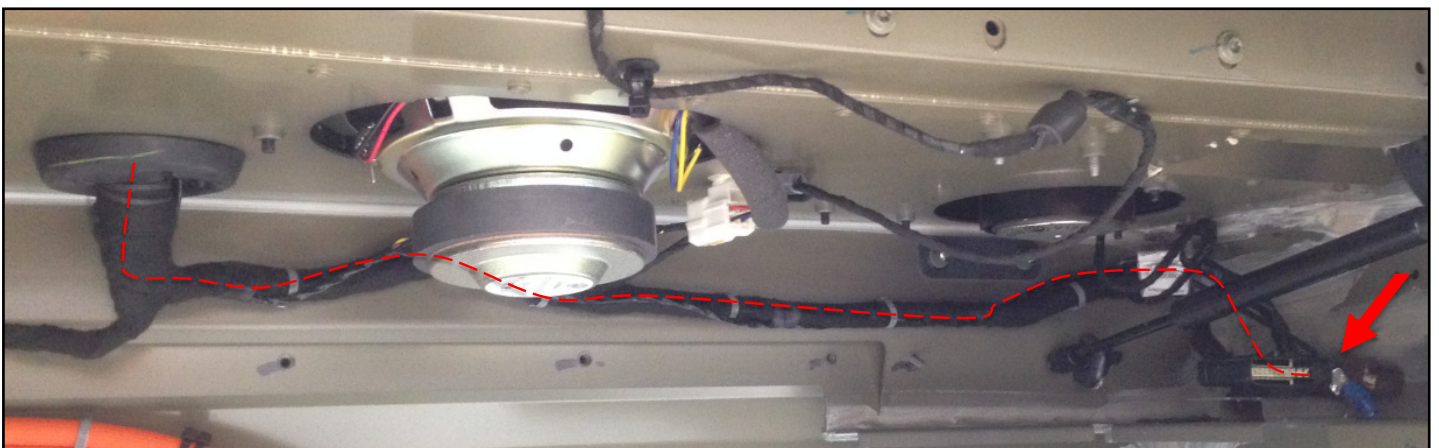


fig. 4c

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4. To route the cable overlay as described above, a hole will need to be made in the grommet, towards the center away from the molded arrow (indicated in fig.5b). This is the pass through section from the package tray to the trunk area (fig. 5a).



fig. 5a



fig. 5b

5. Spread the hole with pliers (fig. 5c) to allow space to pass the cable assembly through (fig. 5d). This is shown from bench photos for clarity, this procedure can be done in the vehicle.



fig. 5c



fig. 5d

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The Inline Connector C316 is shown here the black connector (fig. 6a).

6. The overlay harness will begin modification here, move the TPA lock shown (fig. 6b,c)



fig. 6a

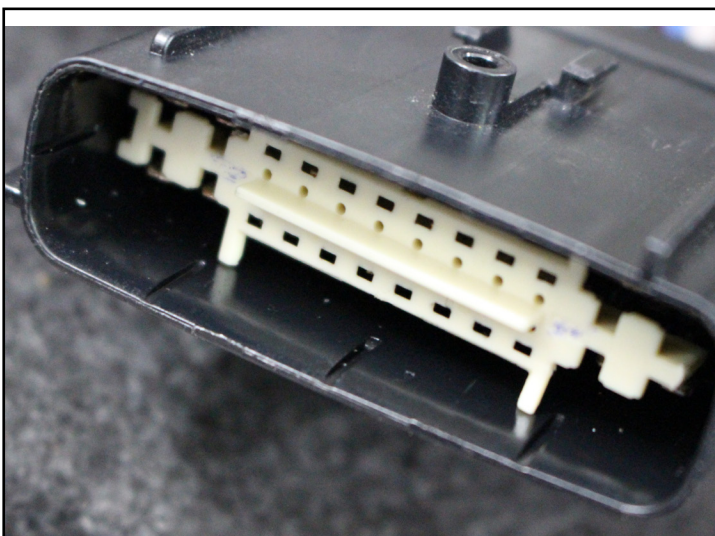


fig. 6b

Grip the TPA with a pair of needle-nose pliers on the center rib, and gently pull forward as shown (fig 6c). The terminals are serviced from the front side of the connector, with the TPA in the “pre-lock” position (fig 6d). Access the terminals as shown (fig 6e), with the TPA in the “pre-lock” position, insert the tip a suitable tool (such as Miller #6680-2)

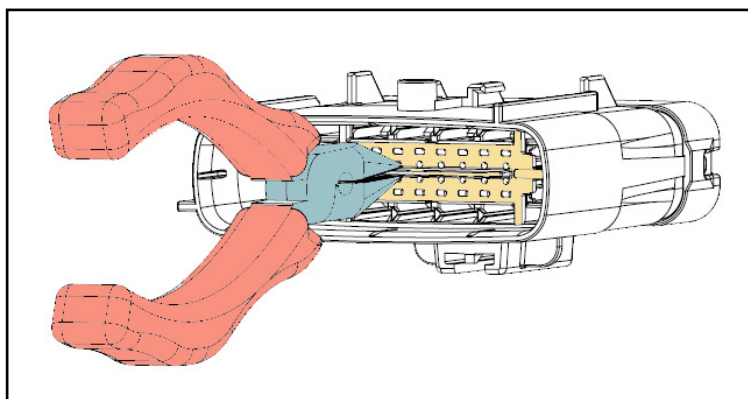


fig. 6c

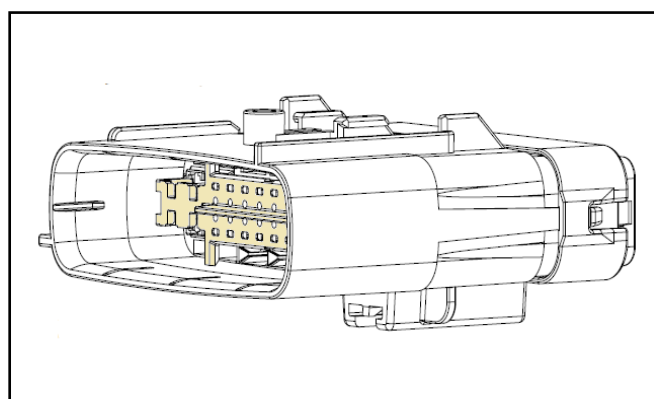


fig. 6d

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7. Back out pins from position #2 and #12 as indicated and insert the overlay terminals into the cavities; Pin position #2 - Gray/Red stripe and Pin position #12 - Gray/White stripe (fig 7a,b,c). Tape back the unused wires now and reassemble the connector. The overlay harness cables are the same wire color and terminal type (fig. 7d)

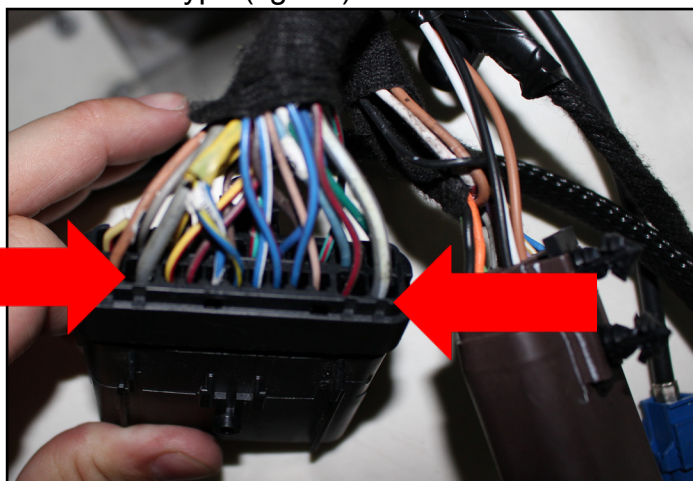


fig. 7a

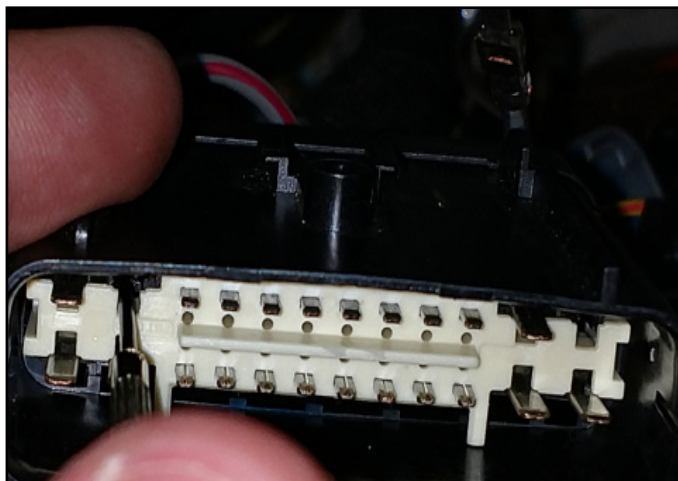


fig. 7b

A small tool used to illustrate the wire location (pin 2). The terminal does not need to be forced. un-locking the terminal from the seat in the connector as shown in fig.7b requires very little pressure, and it will slide out once released with minimal tugging.



fig. 7c



fig. 7d

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8. Remove the RH sill plates and place the overlay along the interior harness (fig 8a,8b). Route behind the b-pillar trim and to the EPB module. connector D310-1.



fig. 8a



fig. 8b

9. Under the dash obtain access to the EPB module and disconnect D0310-1 (fig 8c,8d)



fig. 8c



fig. 8d

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10. Remove the connector (fig.9a) D0310-1 and remove the red TPA lock. (fig.9b)

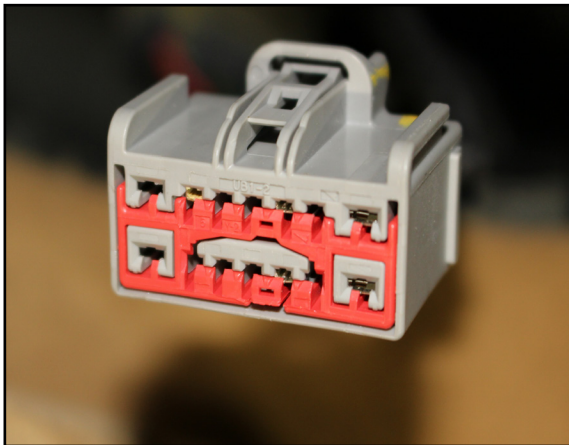


fig. 9a



fig. 9b

11. From D0310-1 back out the terminals at location #8 and #1, and insert the terminals from the overlay wires into location #1 and #8 (as indicated)



fig. 9c

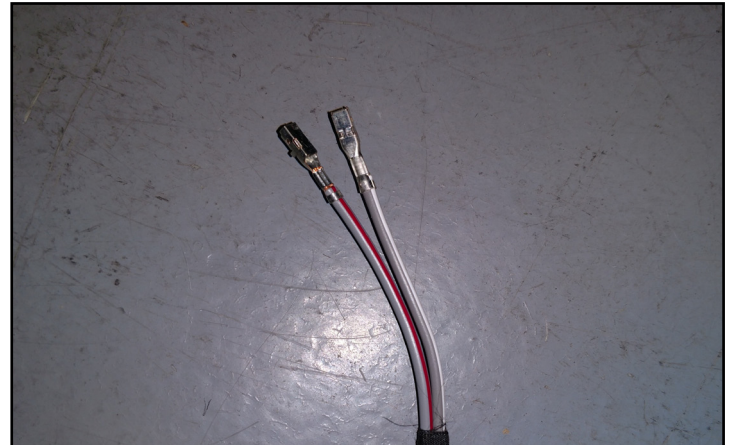


fig. 9d

The wires in the overlay harness assembly will be color matched the appropriate location (fig. 9c). Pin position #1 is the gray/red strip wire, and Pin position #8 is the Gray/White stripe wire. (fig.9d)

It is critical to insert the correct wire into the correct location, as parking brake behavior will be affected, if assembled incorrectly.

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12. Tape back the unused wires now and reassemble the connector, and connect back into the EPB module. (fig 10a)



fig. 10a

Test the electronic park brake (EPB), calibrate as required cycle this several times.

Reassemble the interior trim in the reverse of removal. Check for any diagnostic trouble codes and function of rear seat cushion heaters as per bulletin SC-17-86-20.

⚠ NOTICE! ⚠

After all BL1030 hardware bulletins are completed as applicable, contact TSS for instructions on how to proceed with the firmware updates. See Bulletin CC-17-00-29 Baseline 1030 Firmware Release.

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PARTS REQUIRED:

PART NUMBER	DESCRIPTION
C161190100500	EPB - Overlay Cable Assembly

OPTIONAL PART (as required):

PART NUMBER	DESCRIPTION
C148001800100	PUSH-PIN DOGHOUSE 8.5 X 1.8

SHOP SUPPLIES:

DESCRIPTION
Terminal Pick tools as needed

SPECIAL TOOLS:

PART NUMBER	DESCRIPTION
N/A	

CAUSAL PART:

PART NUMBER	DESCRIPTION
C131190500105	Harness - Body

LABOR CODES:

CODE	DESCRIPTION	TIME	DEFECT CODE
90-10-20-08	EPB Overlay Harness Install	1.4	90-10-20-17
90-10-20-10	OVERLAP EPB Overlay Harness*	0.4	90-10-20-17

***Please refer to Service Communication SC-17-01-36 – BL1030 Release Supplement for special claim submission instructions. If performing this bulletin at the same time as CC-17-94-24, Amplifier Replacement only use the second labor code due to overlap in labor.**

WARRANTY DISPOSITION: This repair is covered under the New Vehicle Limited Warranty, in effect for five (5) years from the in-service date with no mileage limitation.

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