

MODEL: Karma Revero

DATE: November 2017

TITLE: In-line Connector Install

Revised February 2018

PRIORITY: All Revero

APPLICABILITY: MY17 and MY18 Revero (see attached VIN list)

MARKET REGION: North America

PURPOSE: Adding an in-line connector to enhance the solar panel function.

Before working on the harness perform a 12V disconnect.

Read the entire bulletin before beginning any work.

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

- wire snips
- needle nose pliers (fig. 1)
- standard type automotive connector pick
- Delphi Crimper tool 800 series (15370042) (Fig. 2)
- Connector Kit (C161190100300) (fig 3.)
Includes the connectors, terminals, locks



fig. 1



fig. 2



fig. 3

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Service Campaign

CC-17-90-13

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The following VINs are subject to this service bulletin- however inspect any vehicle exhibiting no solar roof output to ensure this procedure has been performed.

50GK41SA1HA000011	50GK41SA7JA000021
50GK41SA7HA000014	50GK41SA9JA000022
50GK41SA5HA000013	50GK41SA0JA000023
50GK41SA9HA000015	50GK41SA2JA000024
50GK41SA0HA000016	50GK41SA4JA000025
50GK41SA2HA000017	50GK41SA6JA000026
50GK41SA4HA000018	50GK41SA9JA000019
50GK41SA6HA000019	50GK41SA5JA000020
50GK41SA8HA000023	50GK41SA0JA000023
50GK41SA4HA000021	50GK41SA6JA000026
50GK41SA6HA000022	50GK41SA8JA000027
50GK41SA2HA000020	50GK41SA2JA000007
50GK41SAXHA000024	50GK41SAXJA000028
50GK41SA1HA000025	50GK41SA1JA000029
50GK41SA3HA000012	50GK41SA8JA000030
50GK41SA7HA000028	50GK41SA1JA000032
50GK41SA3HA000026	50GK41SA3JA000033
50GK41SA5HA000027	50GK41SA5JA000034
50GK41SA9HA000029	50GK41SA7JA000035
50GK41SA5HA000030	50GK41SA2JA000010
50GK41SA6JA000012	50GK41SA9JA000036
50GK41SA8JA000013	50GK41SA0JA000037
50GK41SAXJA000014	50GK41SA2JA000038
50GK41SA1JA000015	50GK41SA4JA000039
50GK41SA3JA000016	50GK41SA6JA000009
50GK41SA5JA000017	50GK41SA0JA000040
	50GK41SA2JA000041

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1. Open glove box, surrounding trim (side dash panel, sill plate.)
- expose the body harness and the headliner harness.
(fig.4a, 4b, 4c)



fig. 4a



fig. 4b

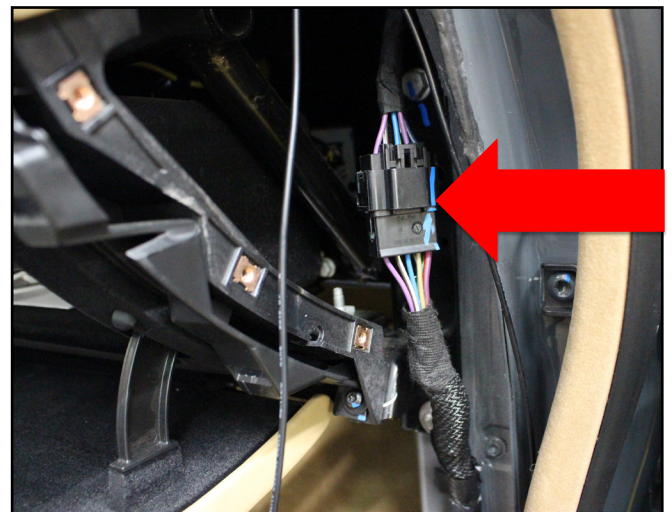


fig. 4c

2. Disconnect the harness at this point (fig.4c)

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3. Remove tape and convolute tubing, to expose circuits for Body harness C212 connector (fig. 5a).

Expose the wires from the body harness to isolate the SC999 circuit (violet-red stripe), from the C212 connector, as before cut at the connector, from position "A" again (fig.5a,5b)

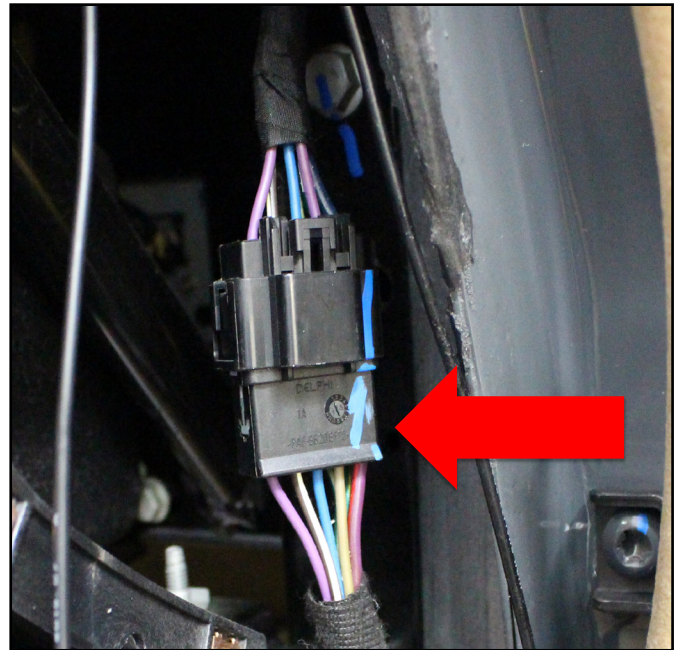


fig. 5a



NOTE: Cut the wire as close to the connector as possible, there is not much length to make mistakes! (fig 5b, 5c) - position A.

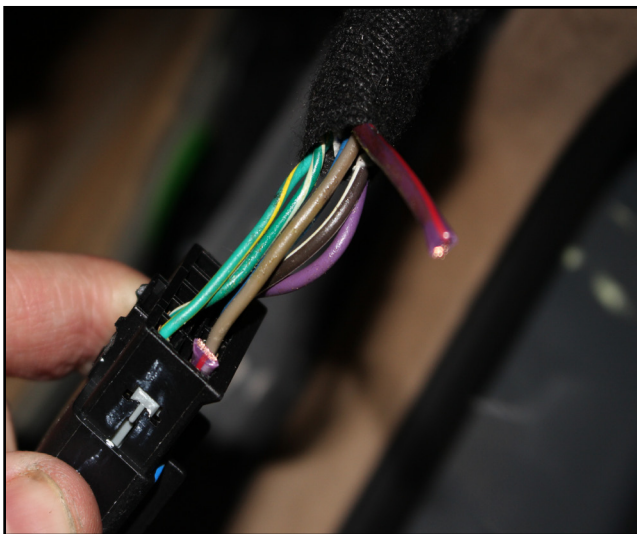
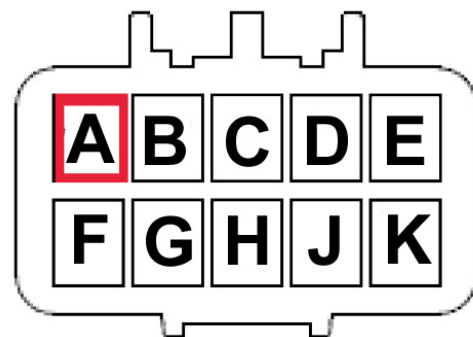


fig. 5b



**Terminal View
C212**

“Bottom Connector”

fig. 5c

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Reference the image and table below for the kit parts used in adding the new connectors (fig. 6a).

Item	Description	Quantity
1	Male Terminal (Silver)	1
2	Male Connector	1
3	Lock- Secondary TPA (Gray)	1
4	Female Terminal (Silver)	1
5	Female Connector	1
6	Lock - Secondary TPA (Off-White)	1
7	Lock - Axial (Green)	1

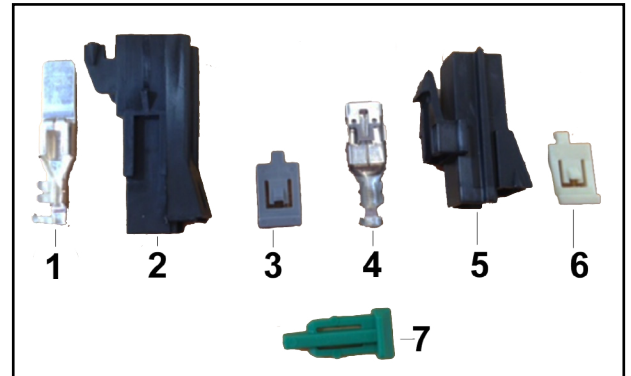


fig. 6a

4. Using the supplied crimp tool (as shown fig. 6b), crimp the (#1) silver male terminal to the wire from the previous step, this is circuit SC999 (fig.6c).

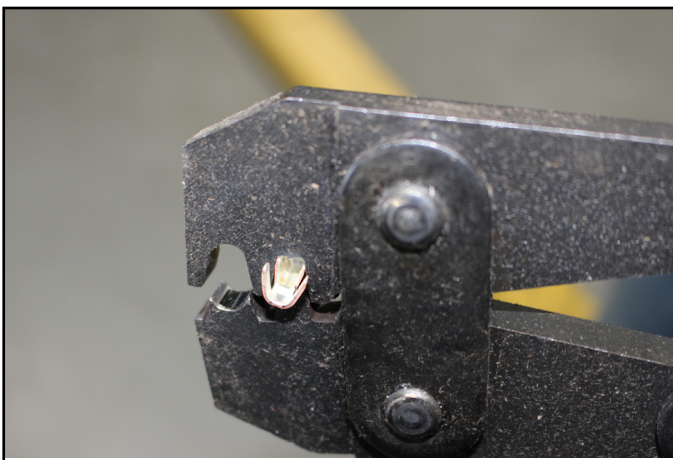


fig. 6b

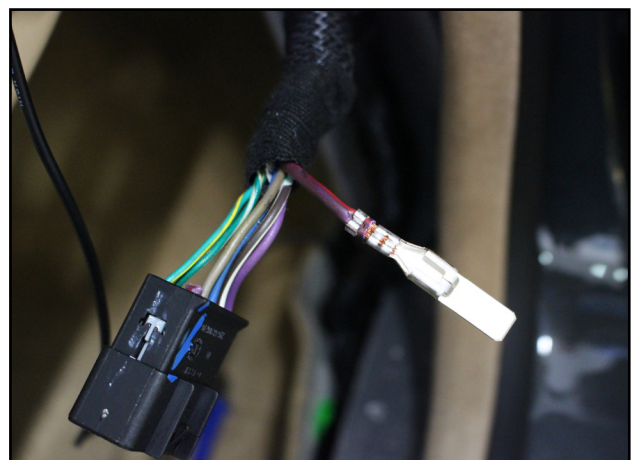


fig. 6c

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5. Install the male connector (#2 from table) as shown, and insert the #3 gray secondary lock (fig 6a, 6b).



fig. 6a

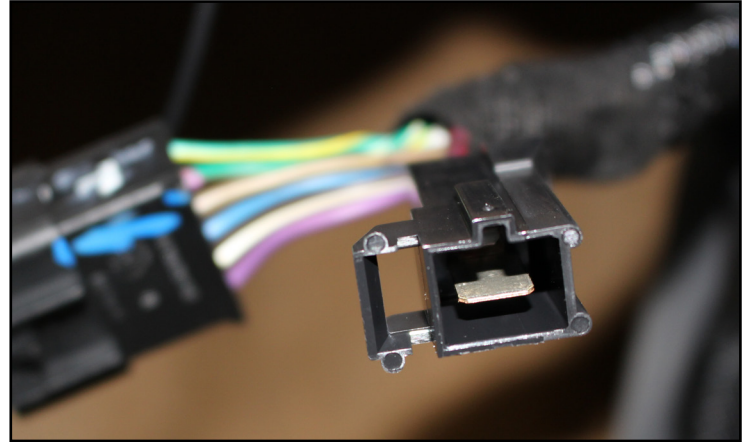


fig. 6b



fig. 6c



fig. 6d

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6. Expose the wires from the headliner harness to isolate the SC999 circuit (blu-wht stripe wire), from the C212 connector, as before cut at the connector, from position "A" again (fig.7a,7b)



NOTE: Cut the wire as close to the connector as possible, there is not much length to make mistakes! (fig 7a,7b) - position A.

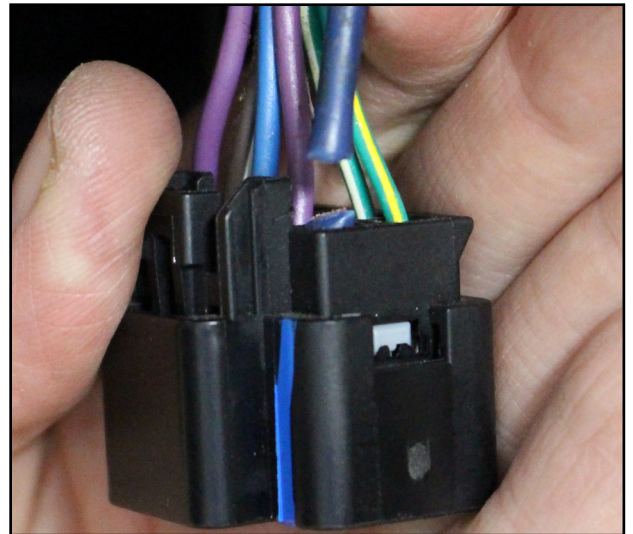


fig. 7a

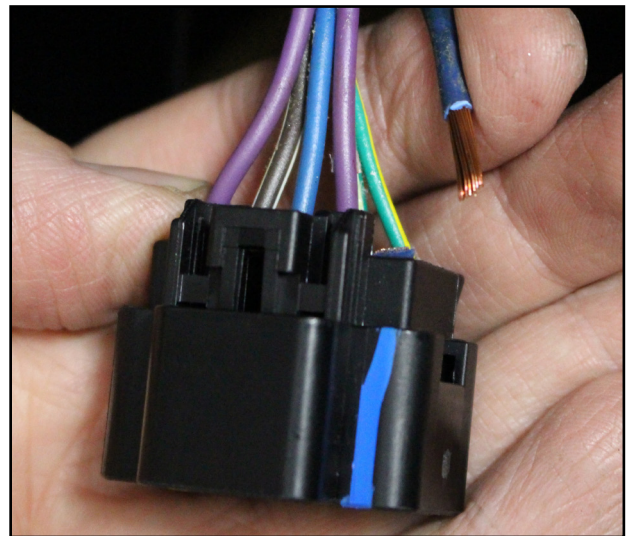
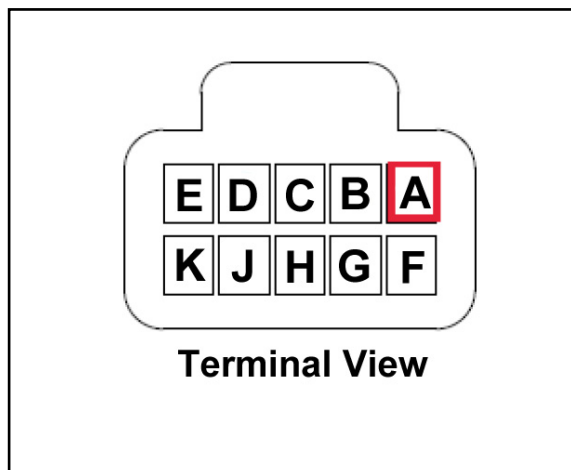


fig. 7b

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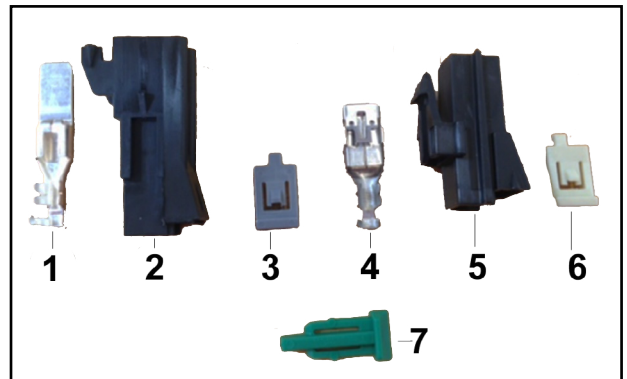
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Item	Description	Quantity
1	Male Terminal (Silver)	1
2	Male Connector	1
3	Lock- Secondary TPA (Gray)	1
4	Female Terminal (Silver)	1
5	Female Connector	1
6	Lock - Secondary TPA (Off-White)	1
7	Lock - Axial (Green)	1



7. Using the supplied crimp tool (as shown fig. 8a, 8b), install and crimp the (#4) silver female terminal to the wire (blu-wht stripe) from the previous step, this is circuit SC999 (fig.7b above).

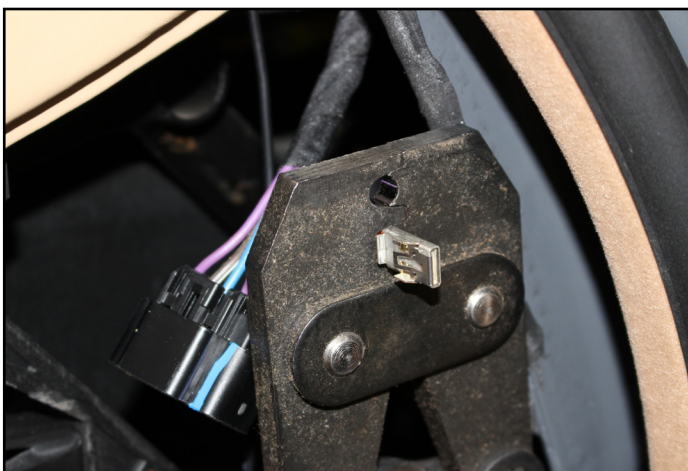


fig. 8a



fig. 8b

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8. Install female connector (#5) and the off-white (item #6 in the kit) TPA lock as shown (fig.9a). As illustrated the TPA locks will only slot into the connector they are made to fit.



fig. 9a

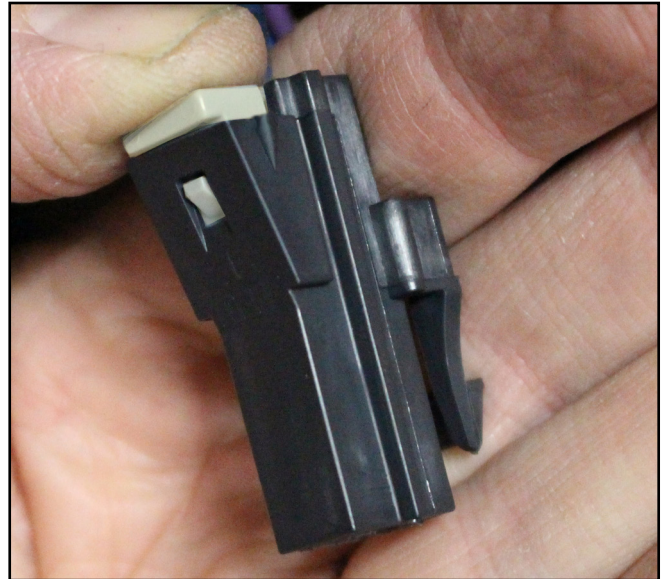


fig. 9b

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10. Connect all the connectors, insert the green TPA lock for the newly added components as shown (fig 10).

11. 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

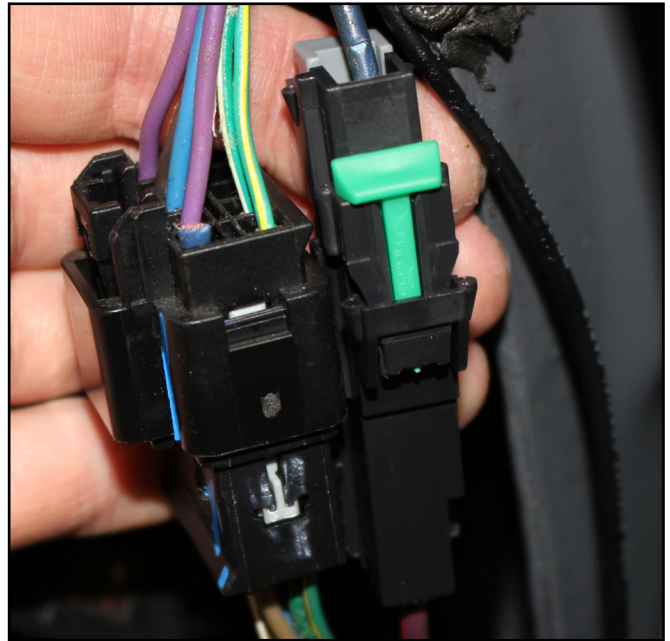


fig. 10

⚠ 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.

Verify upper hose clamp torque be checked on ALL vehicles as described in bulletin: TB-18-20-01 Radiator Hose Clamp Inspection.

Please check for new bulletins posted on the Karma website verify all new bulletins are read as performed as required.



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CC-17-90-13

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PARTS REQUIRED:

PART NUMBER	DESCRIPTION
C161190100300	Solar Panel Rework Service Kit

SHOP SUPPLIES:

DESCRIPTION
N/A

SPECIAL TOOLS:

PART NUMBER	DESCRIPTION
Delphi #15370042 (Supplied to Dealer)	Delphi Crimp Tool

CAUSAL PART:

PART NUMBER	DESCRIPTION
C131190400105	Harness - headliner

LABOR CODES:

CODE	DESCRIPTION	TIME	DEFECT CODE
90-10-20-12	SPBC Harness Rework	0.5	72-10-01-65

SUBLET:

CODE	DESCRIPTION	AMOUNT
N/A		

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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