



Safety Recall Campaign

RC-19-84-01

MODEL: 2018 Karma Revero

DATE: June 2019

TITLE: Remedy, Replacement Airbag Control Unit (ACU)

Released- June 2019

PRIORITY: Revero vehicles in the attached list (PP. 3~4)

APPLICABILITY: 2018 Karma Revero

MARKET REGIONS: United States and Canada

PURPOSE: This document highlights the removal of the Airbag Control Unit (ACU) Assembly and installation of the new provided part.

This document supersedes any and all previous documents in workshop manuals, wiring diagrams, training documents, parts catalog, labor operations, etc. While the method of repair is approved as indicated, performing and verifying the repair is proper is the responsibility of the technician.

Safety Recall Notice (Remedy) 2018 Model Year Karma Revero - Airbag Control Unit Important Information Enclosed

IMPORTANT REMINDER ON VEHICLES AFFECTED BY SAFETY & COMPLIANCE RECALLS

New Vehicles in Dealer Inventory: It is a violation of Federal law for a dealer to deliver a new motor vehicle or any new or used item of motor vehicle equipment (including a tire) covered by this notification under a sale or lease until the defect or noncompliance is remedied. By law, dealers must correct, prior to delivery for sale or lease, any vehicle that fails to comply with an applicable Federal Motor Vehicle Safety Standard or that contains a defect relating to motor vehicle safety.

Pre-Owned Vehicles in Dealer Inventory: Dealers should not deliver any pre-owned vehicles in their inventory which are involved in a safety or compliance recall until the defect has been remedied.

Have a camera available and ready. Capture images of the removed airbag control module assembly, and the new airbag control module assembly, prior to installation. These images showing both serial numbers (clearly and readable) must be attached to the recall warranty claim, the TSS case, and retained with repair order documentation, as well. This is needed for the NHTSA and Transport Canada recall records.

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TOOLS REQUIRED: All component removal MUST be performed using hand tools.



T30 torx bit



7mm socket



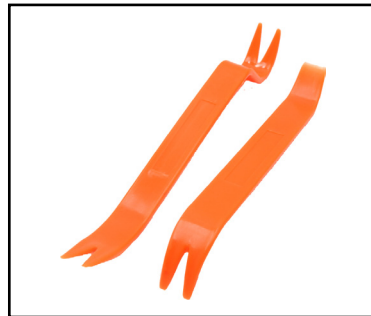
1/4" Extension



Torque Wrench



Pick Tools



Trim Removal Tools



Camera or image capturing device such as a camera equipped mobile phone



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50GK41SA9JA000005	50GK41SA6JA000110	50GK41SA9JA000151	50GK41SAXJA000188
50GK41SA4JA000008	50GK41SAXJA000112	50GK41SA0JA000152	50GK41SA1JA000189
50GK41SA7JA000018	50GK41SA1JA000113	50GK41SA2JA000153	50GK41SA8JA000190
50GK41SA5JA000051	50GK41SA3JA000114	50GK41SA4JA000154	50GK41SAXJA000191
50GK41SA9JA000053	50GK41SA5JA000115	50GK41SAXJA000157	50GK41SA1JA000192
50GK41SA5JA000065	50GK41SA7JA000116	50GK41SA1JA000158	50GK41SA3JA000193
50GK41SA6JA000074	50GK41SA9JA000117	50GK41SA3JA000159	50GK41SA5JA000194
50GK41SA3JA000078	50GK41SA0JA000118	50GK41SAXJA000160	50GK41SA7JA000195
50GK41SA5JA000079	50GK41SA2JA000119	50GK41SA1JA000161	50GK41SA9JA000196
50GK41SA1JA000080	50GK41SA9JA000120	50GK41SA3JA000162	50GK41SA0JA000197
50GK41SA3JA000081	50GK41SA0JA000121	50GK41SA5JA000163	50GK41SA2JA000198
50GK41SA5JA000082	50GK41SA2JA000122	50GK41SA9JA000165	50GK41SA4JA000199
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50GK41SA8JA000108	50GK41SA9JA000148	50GK41SA6JA000186	50GK41SA6JA000219

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1. Remove solar panel fuse (#10) from the fuse block, as shown in Figure 1.

NOTICE!

Prior to performing the 12-volt disconnect procedure, make sure to record the radio presets.



Fig. 1

2. Perform the 12-Volt disconnect procedure (Fig. 2).

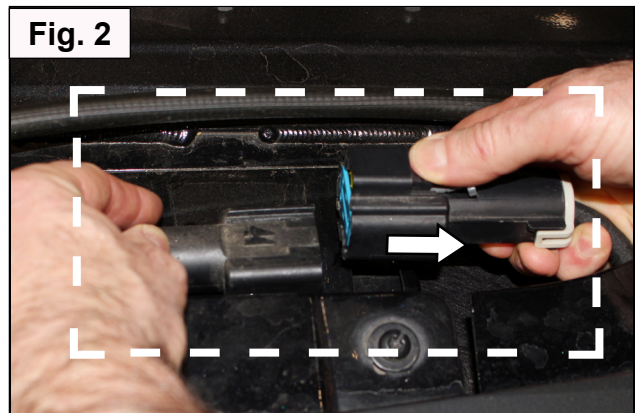


Fig. 2

3. Remove the triangular trim pieces from the left and right sides of the center console, as shown in Figure 3.

CAUTION!

To prevent damage to the dash trim pieces, use only non-marring, plastic, trim removal tools.

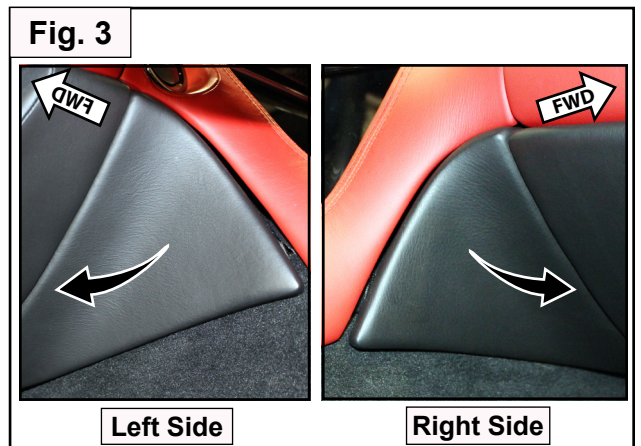


Fig. 3

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4. Remove the jewel trim piece from the dash, as shown in Figure 4.



CAUTION!

To prevent damage to the finish of the jewel piece, or the dash, use only non-marring, plastic, trim removal tools.



Fig. 4

5. Carefully remove three (3) connectors from the back of the dash jewel trim piece (Fig. 5). **NOTE: Place the dash jewel trim piece in a safe place.**

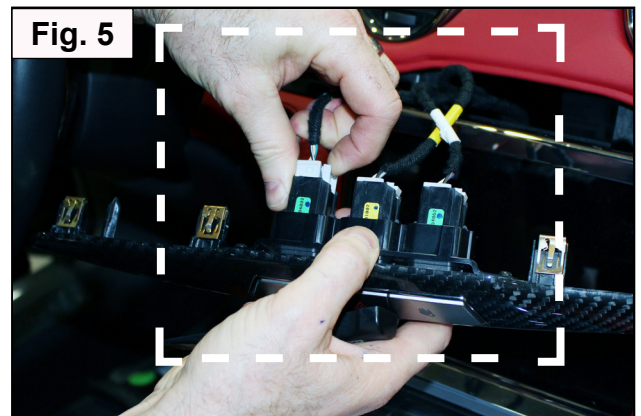


Fig. 5

6. Remove the jewel trim piece from the center console, as shown in Figure 6. **NOTE: Place the center console jewel trim piece in a safe place.**



CAUTION!

To prevent damage to the finish of the jewel trim pieces, or the console, use only non-marring, plastic, trim removal tools.

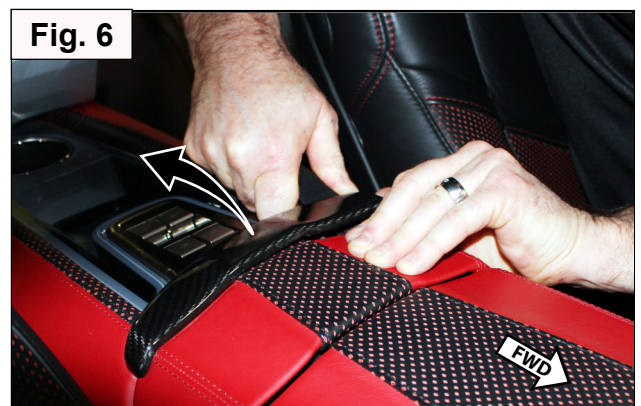


Fig. 6

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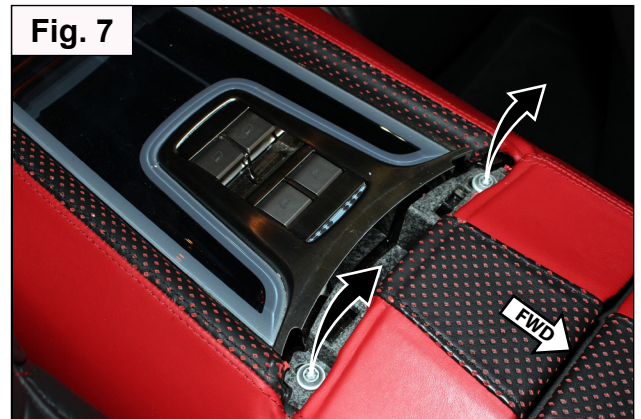
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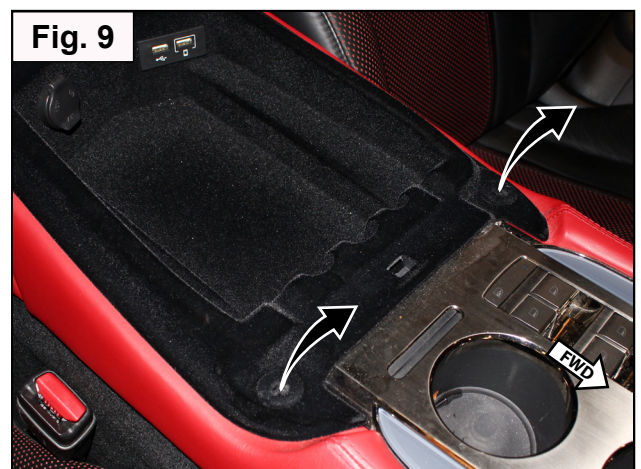
7. Remove two (2) Torx-head screws from the rear-most mounting location of the center console, as shown in Figure 7.



8. Open the center console storage compartment lid (Fig. 8).



9. Use a pick-tool to carefully remove two (2) felt-trimmed covers from the leading edge of the center console storage compartment, as shown in Figure 9.



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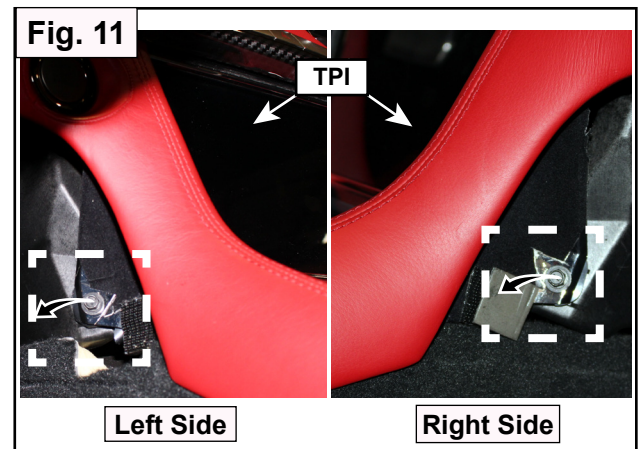
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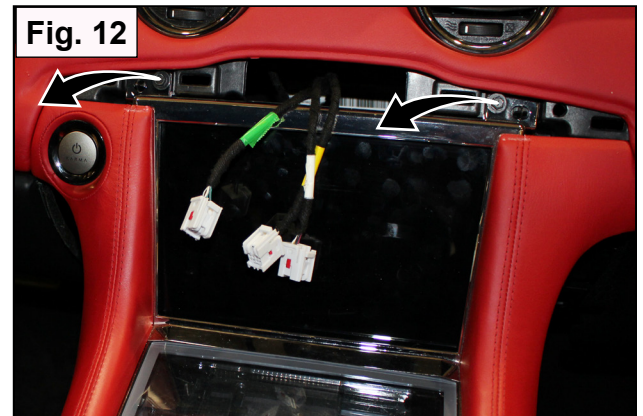
10. Remove two (2) Torx-head screws from the leading edge of the center console storage compartment, as shown in Figure 10.



11. Remove two (2) Hex-bolts securing the center console to the dashboard, as shown in Figure 11.



12. Remove two (2) Hex-bolts securing the center console to the dashboard above the Touch Panel Interface (TPI), as shown in Figure 12.



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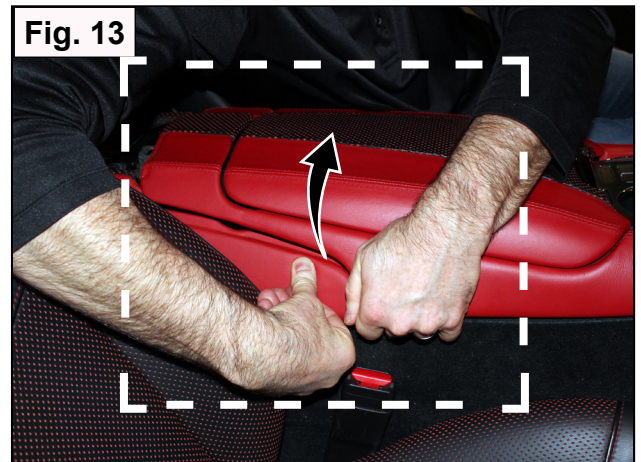
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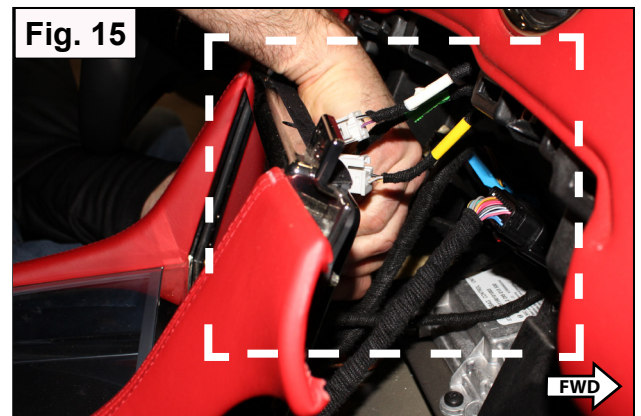
13. Apply pressure to the right side of the center console and pull up in order to release the mounting clip, as shown in Figure 13.



14. Grasp the center console with both hands and carefully pull it away from the dashboard, as shown in Figure 14.



15. Carefully disconnect all connectors at the back of the Touch Panel Interface (TPI), as shown in Figure 15.



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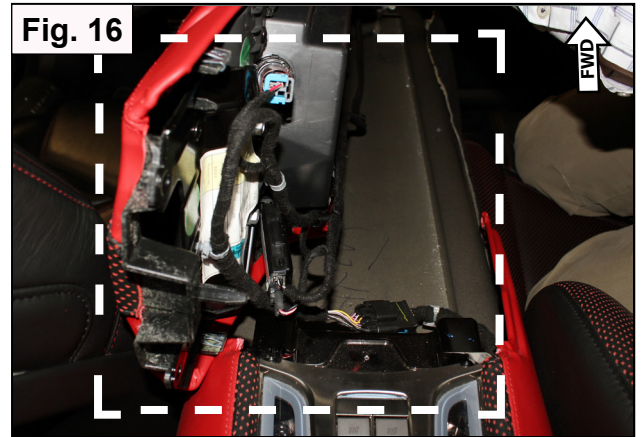
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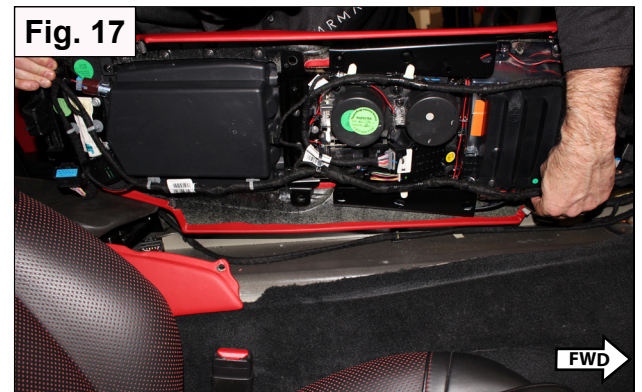
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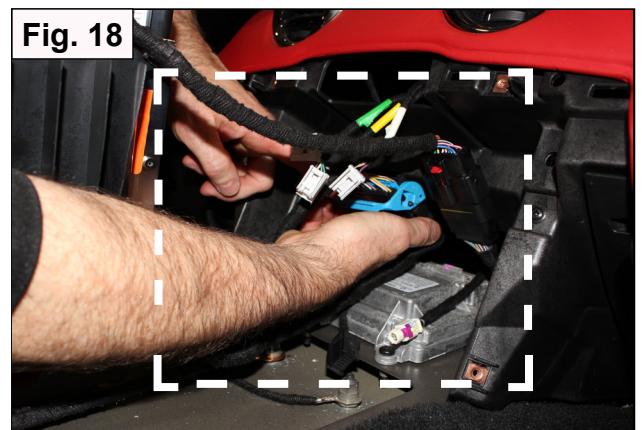
16. Carefully disconnect all the connectors at the trailing edge of the center console, as shown in Figure 16.



17. Carefully lift and place the center console on its side. Undo any clips securing the harnesses to the bottom of the center console, as shown in Figure 17.



18. Carefully move all TPI harnesses away from the Airbag Control Unit (ACU), as shown in Figure 18.



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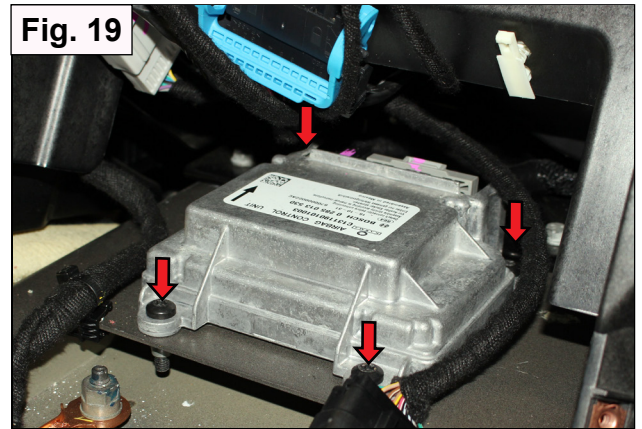
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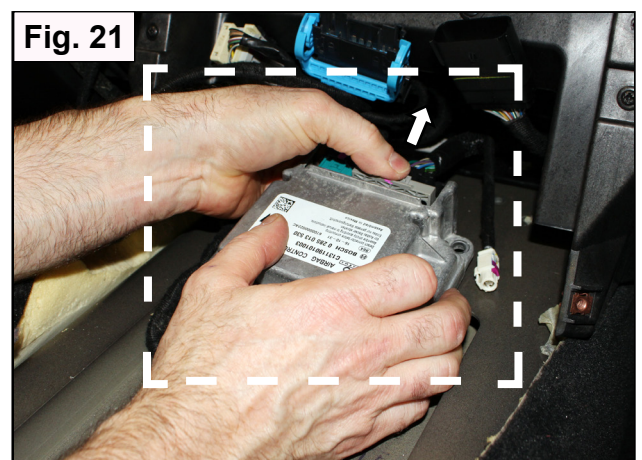
19. Remove four (4) Torx-head screws from the ACU (Fig. 19).



20. Gently pull the Airbag Control Unit (ACU) away from the mounting location on the battery tunnel, as shown in Figure 20.



21. Carefully disconnect two (2) connectors from the back of the ACU, as shown in Figure 21.



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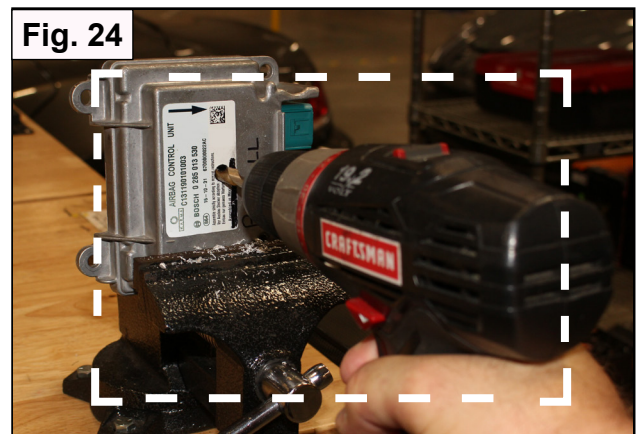
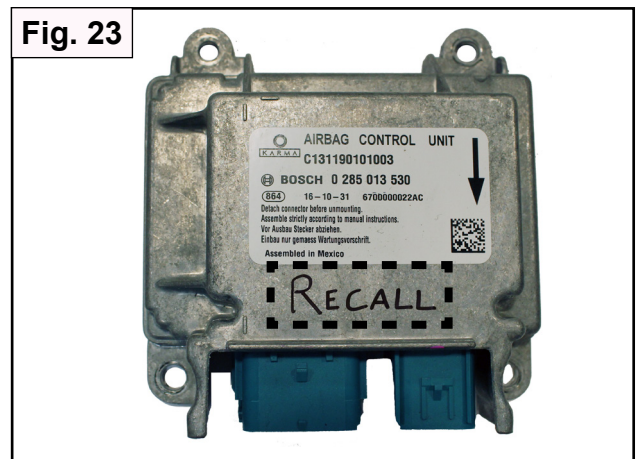
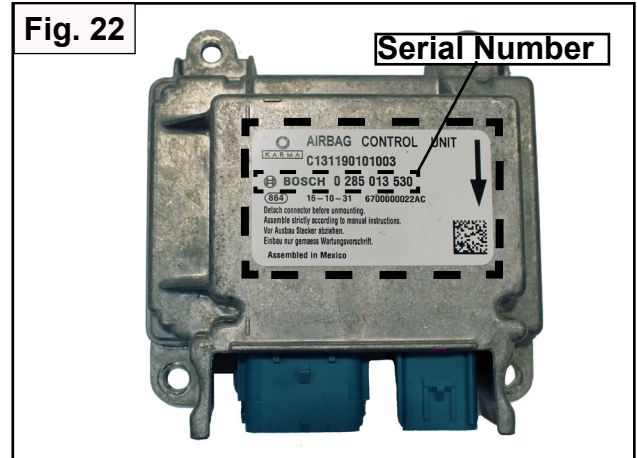
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22. Use a camera to take a clear photograph of the serial number on the label for the original ACU, as well as the label on the replacement ACU (Fig. 22).

NOTE:

- These images **MUST** be attached to the warranty claim, the TSS case, and retained with the repair order.
- The serial number for the part being removed, and the serial number for the part being installed, **MUST** be recorded and included with the TSS case.

23. Original Airbag Control Units (ACU), being returned to Karma for disposal, **MUST** have the word “**RECALL**” written on them for identification purposes, as shown in Figure 23.



⚠ NOTICE!

ALL original Airbag Control Units (ACU) **MUST** be returned to Karma for proper disposal.

24. Destroy the original Airbag Control Unit (ACU) by drilling through the body of the ACU, as shown in Figure 24. **NOTE: Do NOT** drill through the serial number on the Airbag Control Unit (ACU).

25. Prior to shipping the original ACU to Karma for disposal, please send an email to parts@karmaautomotive.com to request a return shipping label.

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⚠ CAUTION!

To avoid inadvertent airbag system deployment, Do **NOT** reconnect the 12V system until the ACU is firmly secured in place on the mounting location.

26. Install the replacement Airbag Control Unit (ACU) (P/N C131190101004), by reversing the removal steps (Fig. 25).

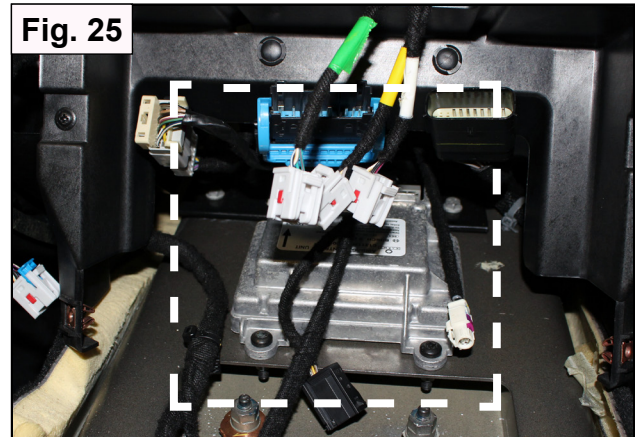
Tightening Torque: 8Nm (± 1.2 Nm)

⚠ NOTICE!

After tightening each screw to specification, mark each screw using a paint marker.

27. Reinstall all removed components by reversing the order of removal.

28. Re-connect the 12V disconnect and install Fuse #10 back into the fuse block.



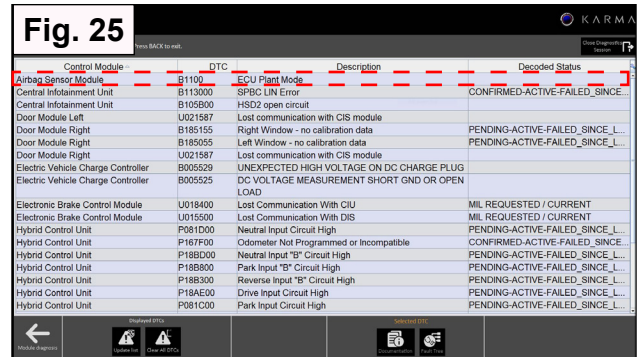
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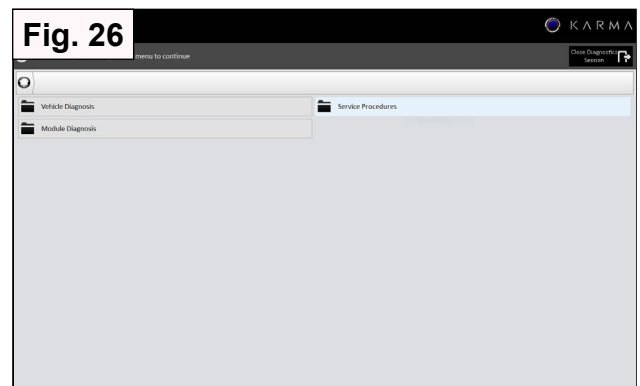
TITLE: Remedy, Replacement Airbag Control Unit (ACU)

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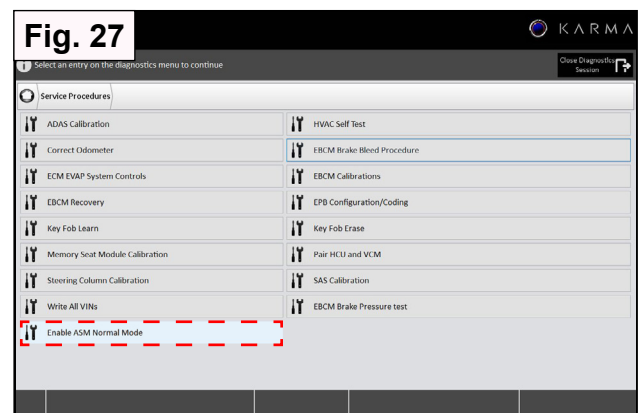
29. Use KarmaSync to scan for DTCs and verify that fault code **B1100** is present in the system (Fig. 25).



30. After checking for DTCs, return to the homescreen and click on **Service Procedures** (Fig. 26).



31. Next, click on **Enable ASM Normal Mode** (Fig. 27).



Karma Automotive Bulletins and service documents are intended for use by experienced and trained Technicians. If you lack the skills, tools, equipment and a suitable workshop for any procedure described in this document, we suggest you leave such repairs to a Karma retailer and service provider. See your service provider for advice on whether your vehicle may benefit from the information contained within this document. The information contained in the Karma Bulletin is accurate at the date of publication. However, Karma Automotive regularly updates technical information. Please check with your Karma Automotive Retailer and Karma Automotive service provider that the bulletin you intend to use contains the latest available information.

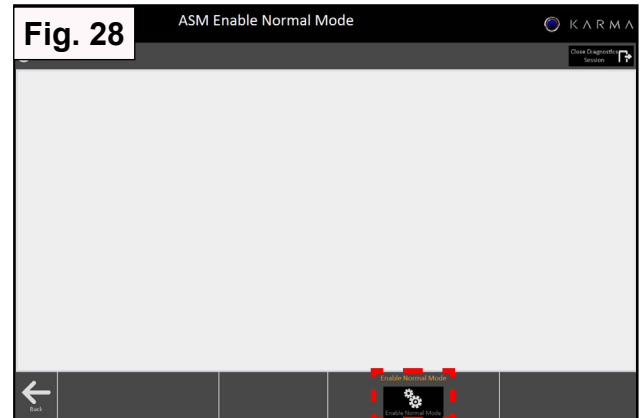
MODEL: 2018 Karma Revero

DATE: June 2019

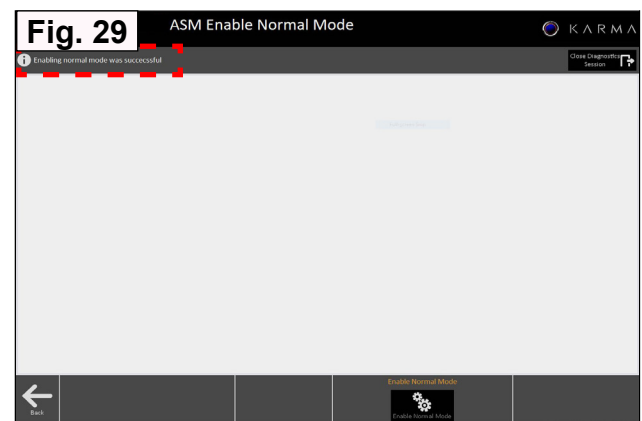
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32. Once in the system Enable ASM Normal Mode screen, click on **Enable Normal Mode** (Fig. 28).



33. If the process is successful, the system will report “**Enabling Normal Mode was Successful**” (Fig. 29). **NOTE: If the operation fails, please update the TSS case with the details and wait for instructions.**



34. Clear all DTCs from the system. Then, read DTCs once again to verify B1100 is no longer present in the system.

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! NOTICE!

Clean the shock tower area, thoroughly, to promote proper campaign completion label adhesion.

35. Fill out and adhere the recall campaign completion label (Fig. 30) to the passenger side shock tower, as shown in Figure 31. This will serve as a clear indication that the recall has been performed and is **REQUIRED** to ensure compliance with the Airbag Control Unit (ACU) Safety Recall Campaign.

36. Prior to shipping back the original ACU to Karma for disposal, please send an email to parts@karmaautomotive.com to request a return shipping label.

! NOTICE!

All Original Airbag Control Units (ACU) **MUST** be returned to Karma for proper disposal.

37. Perform Electronic Parking Brake (EPB) Calibration Procedure.

Fig. 30

KARMA AUTOMOTIVE, LLC

Campaign No.: _____

Description: _____

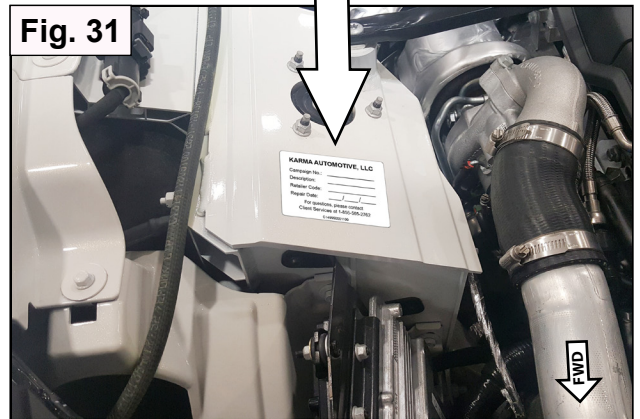
Retailer Code: _____

Repair Date: ____ / ____ / ____

For questions, please contact
Client Services at 1-855-565-2762

C149950001100

Fig. 31





Safety Recall Campaign

RC-19-84-01

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PARTS REQUIRED:

PART NUMBER	DESCRIPTION	QUANTITY
C131190101004	Airbag Control Unit (ACU)	1

SHOP SUPPLIES:

DESCRIPTION
N/A

SPECIAL TOOLS:

DESCRIPTION
N/A

CAUSAL PART:

PART NUMBER	DESCRIPTION
C131190101003	Airbag Control Unit (ACU)

LABOR CODES:

CODE	DESCRIPTION	TIME	DEFECT CODE
RC-00-00-08	Airbag Module Replacement	2.0	84-25-01-17

SUBLET:

CODE	DESCRIPTION	AMOUNT
N/A		

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