

Type: Technical Service Bulletin

Year: 2024

System: Engine (12)

Sequence: 01

Revision: 2

**Title:** DMTL reposition bracket

**Applicability:** Revero GT and GTS, GS-6 vehicles

**Market Region:** All

**PRIORITY:** ALL

**PURPOSE:** A new tank leakage diagnostic module (“DMTL”) bracket is available. This bracket will reposition the DMTL for best performance in the vehicle. Fasteners will be reused, and new hoses indicated in the parts indicated will also be used with the repositioning. (If the bracket has been installed disregard these instructions).

In addition to the bracket, the reposition will require installation of 2 new hose assemblies. The fuel vapor line from the canister to the DMTL, and the vent line from the DMTL to the fuel tank isolation valve (FTIV). These are show below



DMTL Bracket,  
C131116700701



Fuel vapor line from the  
canister to the DMTL,  
C131116401104



Vent line from the  
DMTL to FTIV,  
C131116901504

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Fig. 1a shows the new DMTL in position with the new bracket (red arrow).

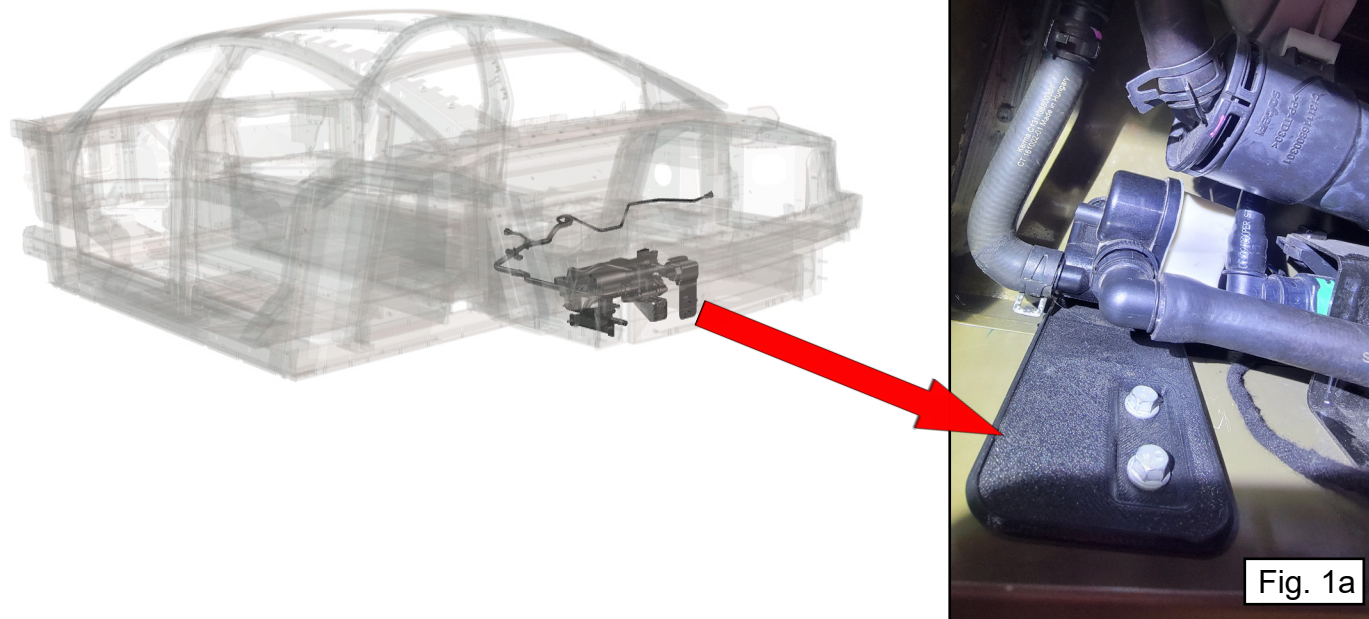
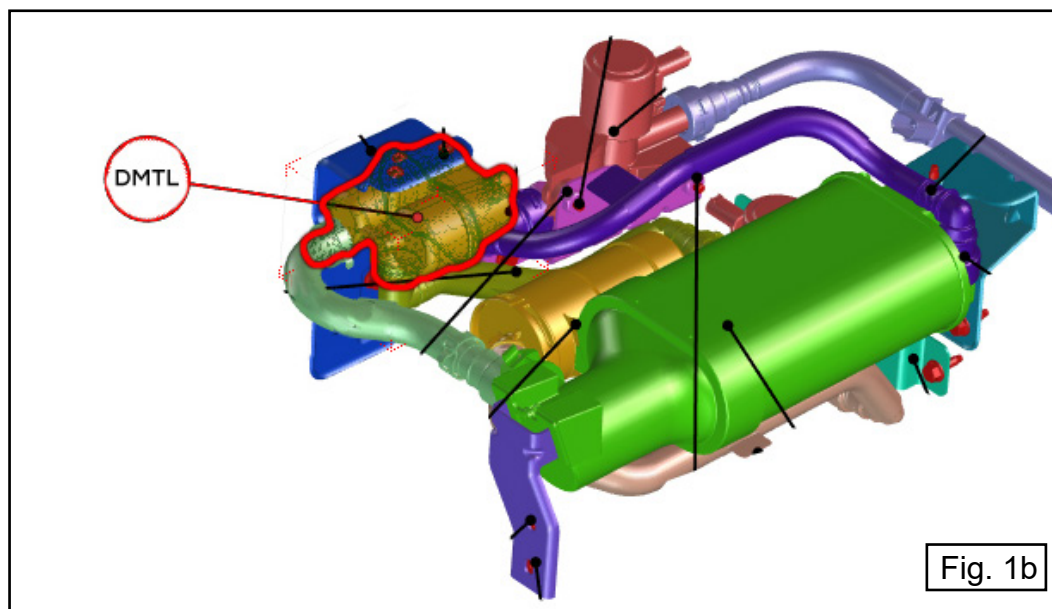


Fig. 1b shows the location and orientation of the DMTL (with new bracket in blue) and hoses .



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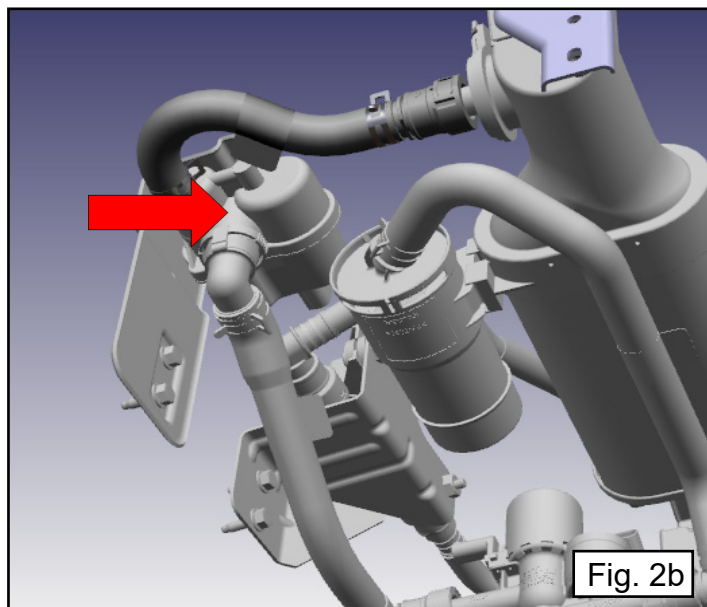
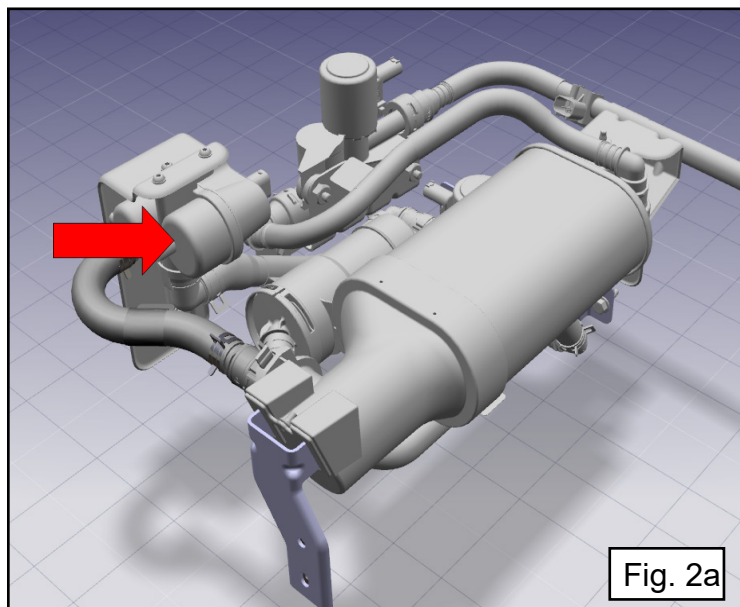
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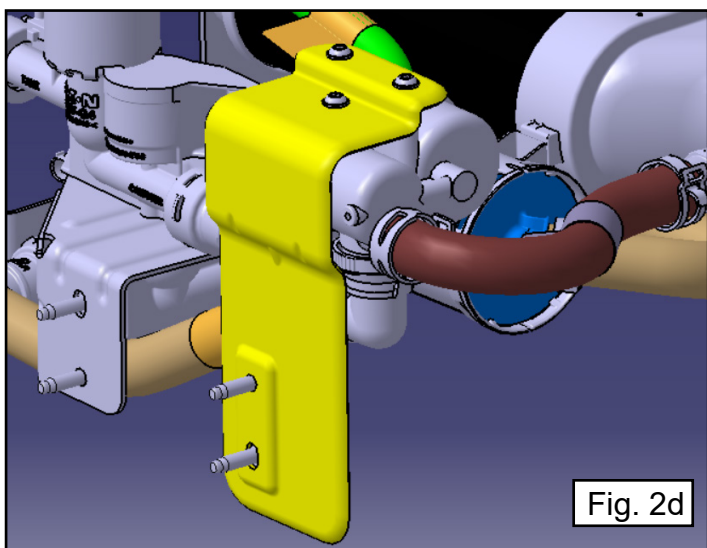
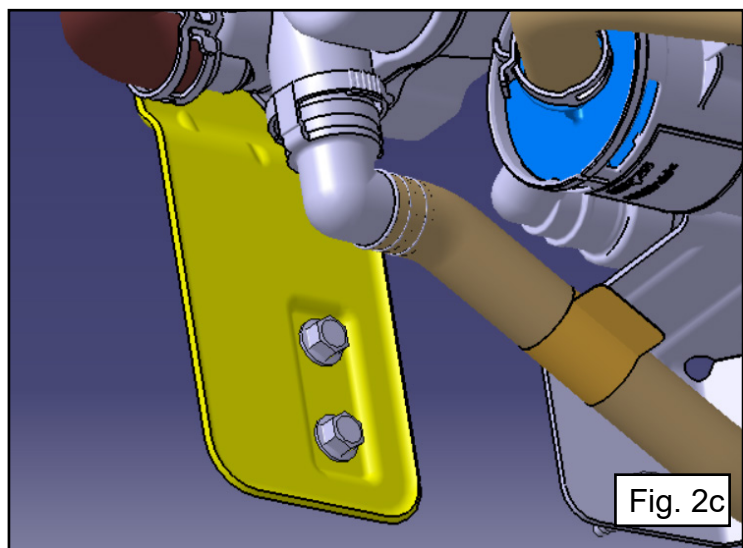
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In the figures (Fig. 2a and Fig. 2b) above the DMTL is shown in the correct orientation with the new bracket, and hoses, as indicated with arrows. The new bracket is shown in yellow, and new hoses in brown shown below (Fig. 2c and Fig. 2d).



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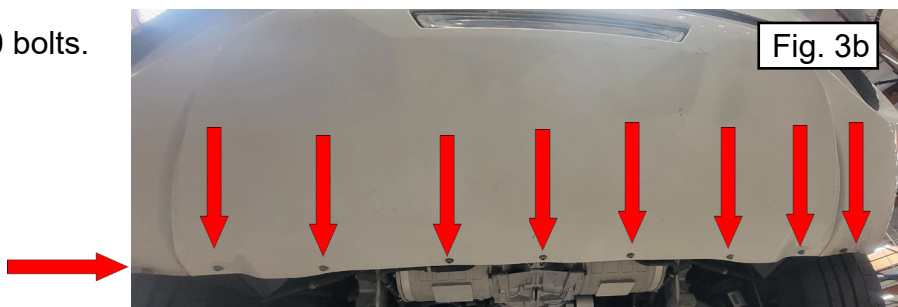
**Applicability:** Revero GT and GTS, GS-6 vehicles

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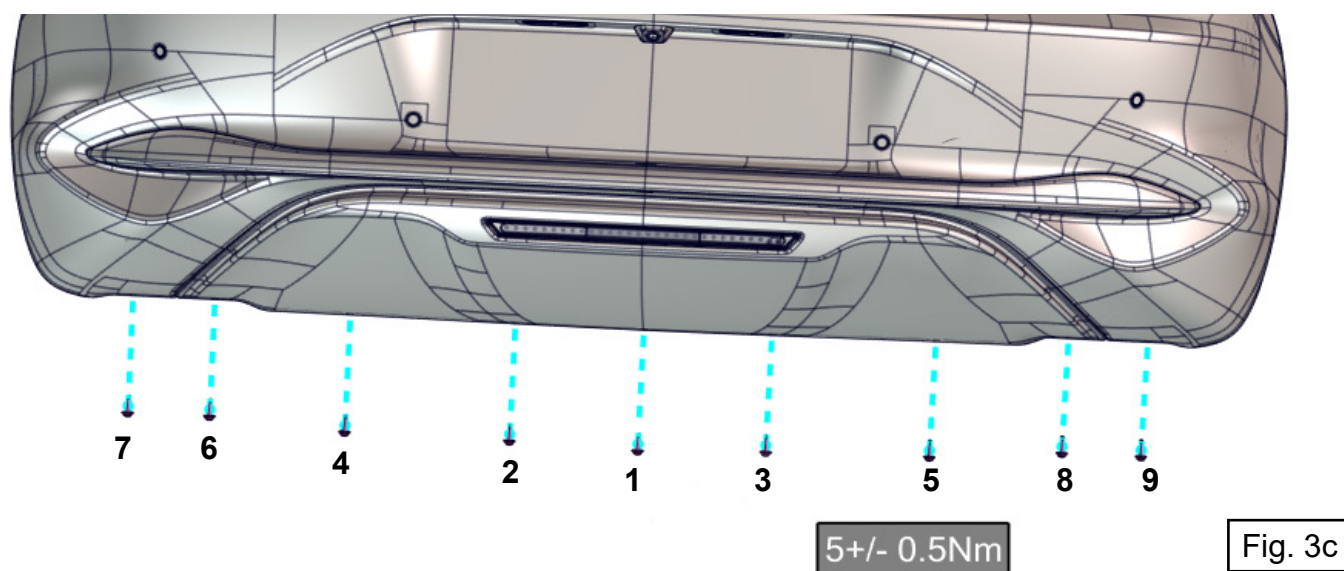
Remove the rear bumper cover. (Fig.3a)



Remove the bottom (Fig. 3b.) the 9,T30 bolts.  
Reassembly torque 5 +/- 0.5 Nm.



During reassembly follow the torque sequence below (Fig. 3c).



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Begin with a removal of the rear wheel liner clips (4) (Fig. 4a, Fig 4b).

Peel the wheel line back to access a 10mm fastener.

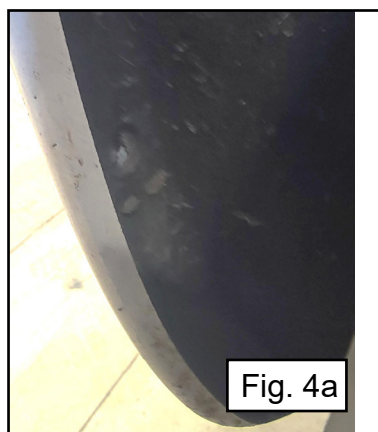


Fig. 4a

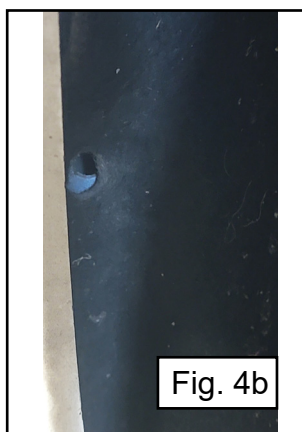


Fig. 4b

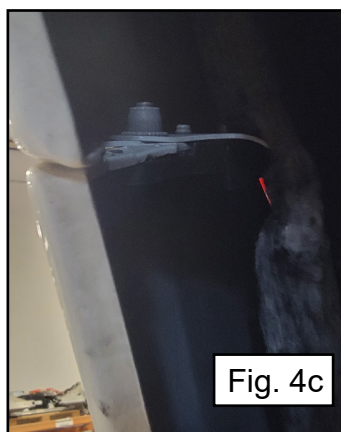


Fig. 4c



Fig. 4d

The 10mm fastener one on each side (Fig 4c and Fig.4d), will be removed, found at the union of the quarter panel and the rear fascia. (5Nm)

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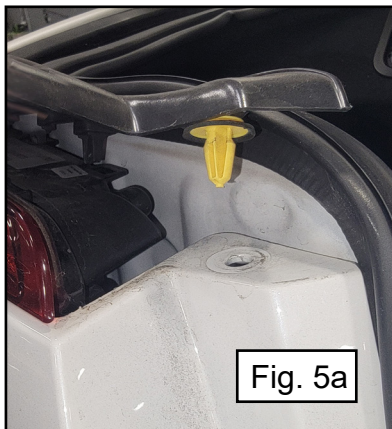
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Pop up the trunk trough trim cover, (Fig. 5a, Fig 5b) Once the fascia is unsecured (Fig. 5c), lower the vehicle to undo the trunk trough trim. This will allow for removal of the fascia. Be sure to have a table or body panel carrier available.

Remove with care so as not to damage the rear combination lamp assembly.



Unplug the connector on the passenger side of the rear fascia. (Fig. 5d)



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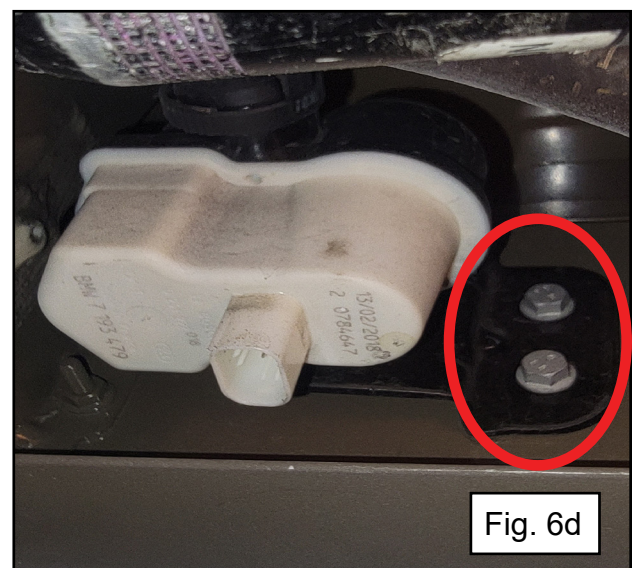
**Market Region:** All

The DMTL is found above the OBCM (Fig. 6a).

Unplug the connector. Remove the fuel vapor line from the DMTL to canister (Fig. 6b), disconnect the hose (vent line to FTIV) (Fig. 6c). see next page.



Unbolt the 10 mm bracket (Fig.6d) (assembly torque is 8Nm)



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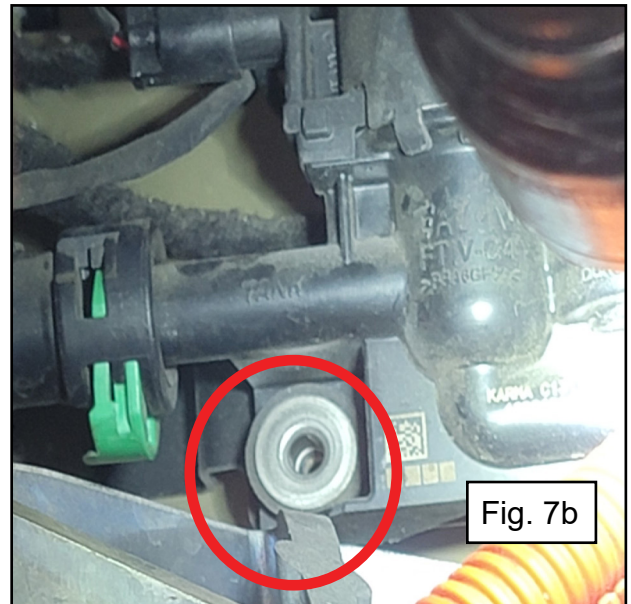
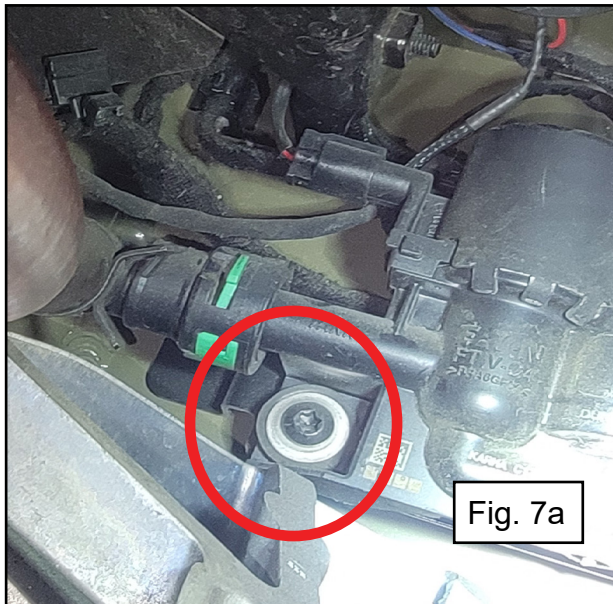
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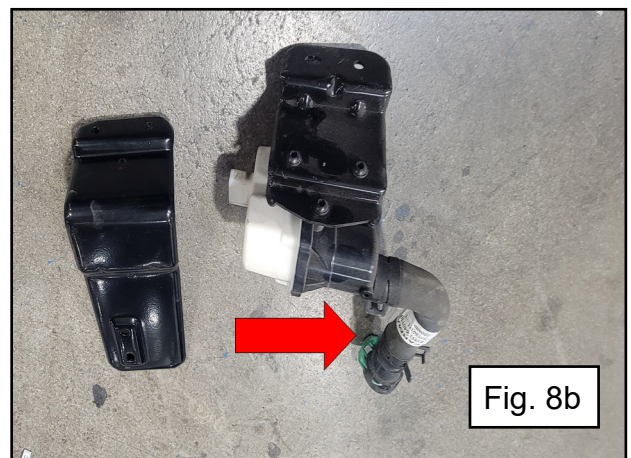
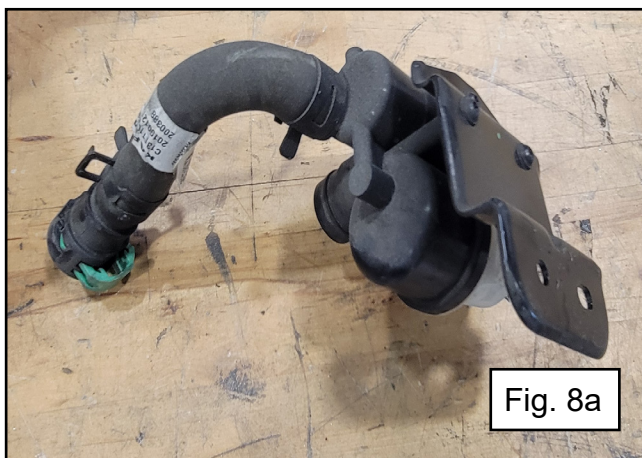
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Disconnect the Vent line to FTIV from the canister (Fig. 7a) The FTIV bracket may be removed for access, Fig. 7b using a t30 safety torx bit. Reinstall torque 8Nm.



On a bench remove the original DMTL bracket (Fig. 8a). The fuel vapor line from the DMTL should be connected to the DMTL. Remove this line (Fig. 8b), with care as it is installed on the plastic DMTL and attach the new hose (C131116401104) and bracket (C131116700701) as well.



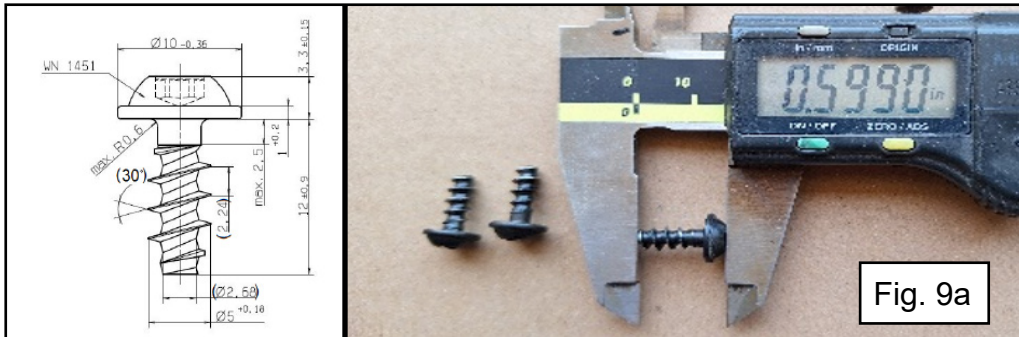
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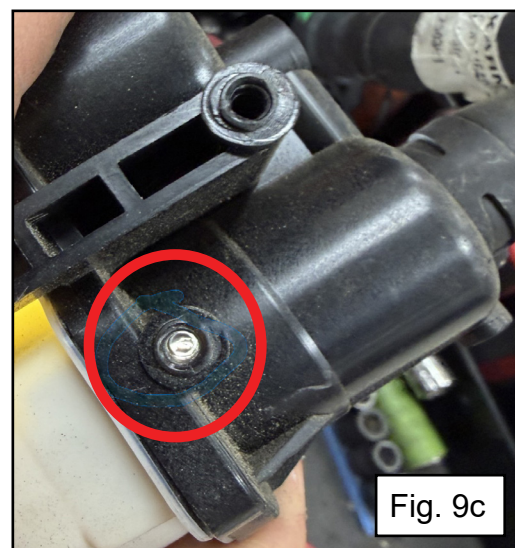
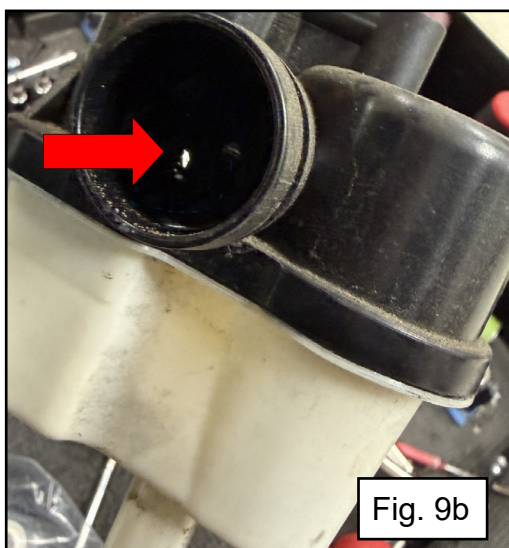
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Ensure proper M5x12 screws are used to mount DMTL to bracket. Overlength fasteners can damage the DMTL. If incorrect, contact Parts for C140300307100 SCREW-WASHERHD TORX PT M5x12.



Measure to ensure these are correct length (Fig. 9a).  
15.3mm total length, or 0.6inches, and the thread length is 12mm or 0.47inches.

Inspect the DMTL prior to new bracket install. If any damage is found, replace this component with a new one. In this set of images below (Fig 9b,9c, 9d, 9e) light is visible from some damage or a puncture in the material. Replace the DMTL, part number C13116600100, if this condition is found.



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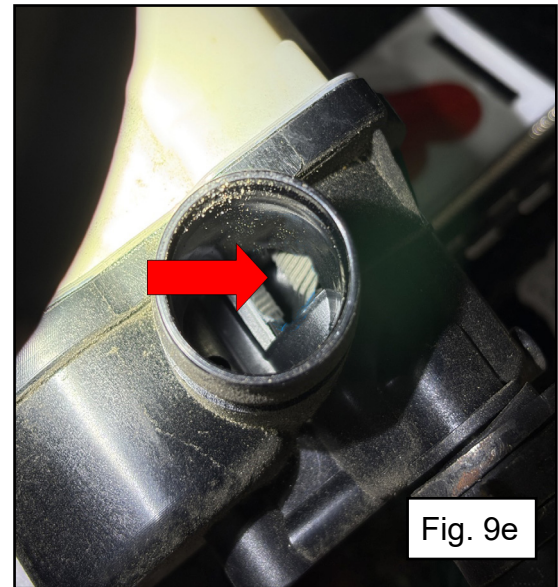
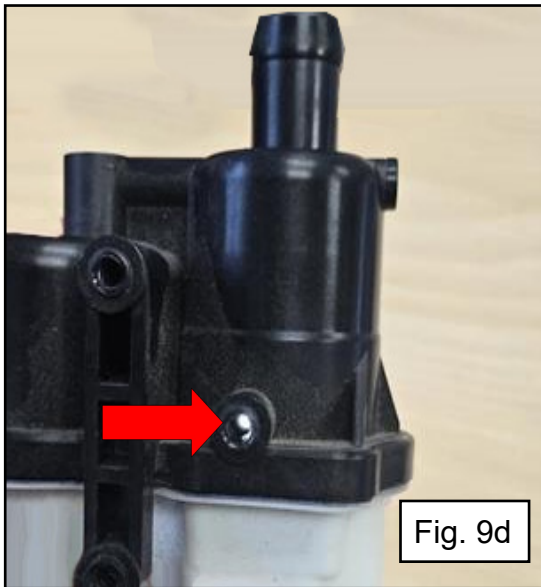
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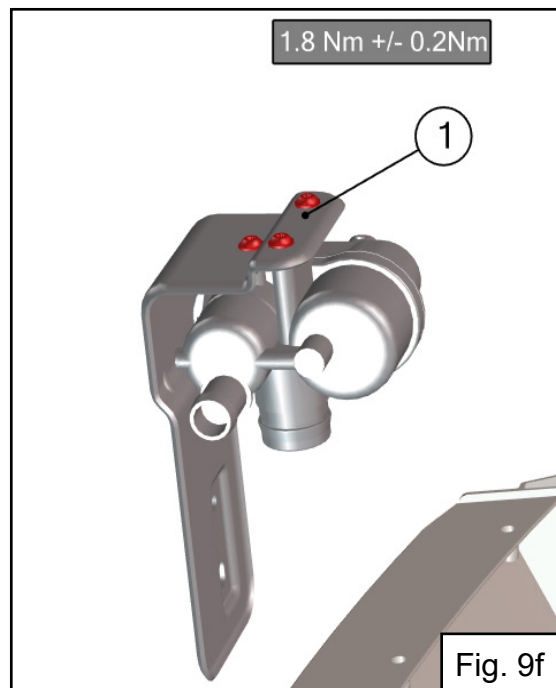
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Continuing with DMTL inspections (Fig 9d) light is visible in these examples as well, the DMTL should be replaced.



The DMTL is secured to the bracket as shown, assembly torque 1.8Nm +/-0.2Nm, in (Fig.9f).



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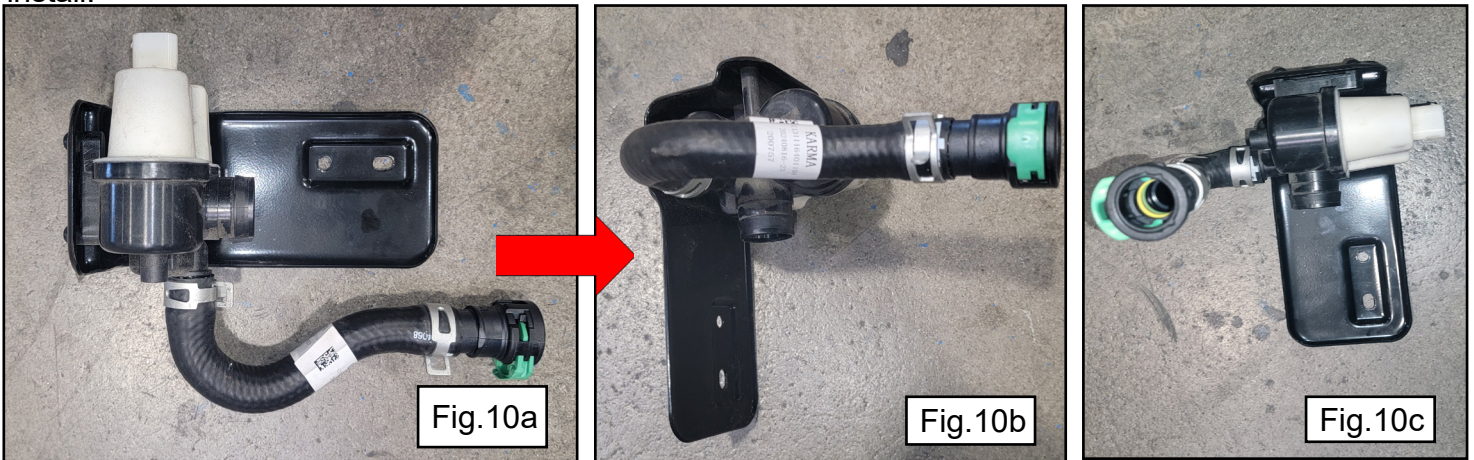
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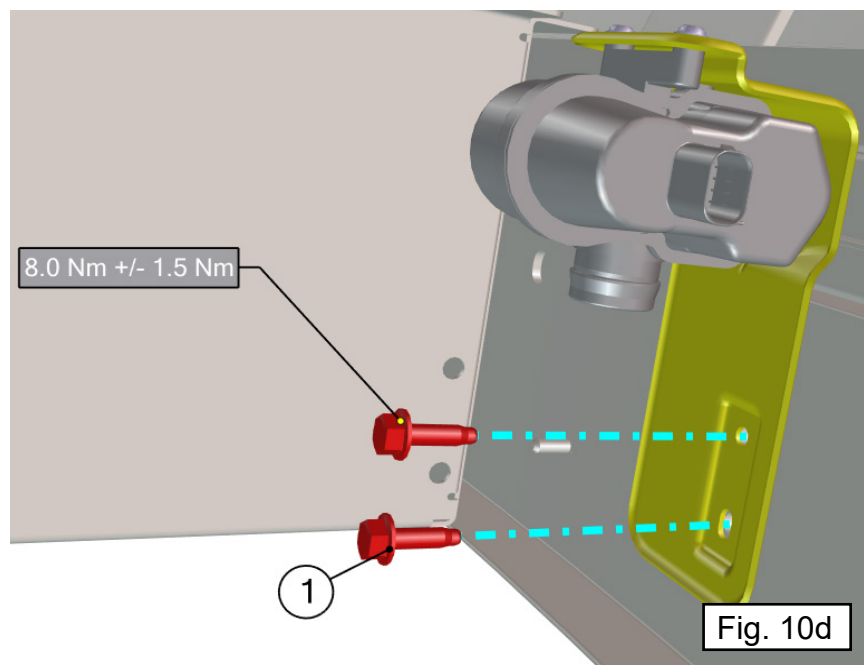
Below is the DMTL with new bracket and hose (Fig. 10a ).

The new hose will need to be rotated ninety degrees (Fig. 10b and Fig.10c ) from original position for install.



Reinstall the DMTL with new bracket, and attach the FTIV vent line, reconnect the DMTL connector.

Using the m6 fasteners secure the bracket to the vehicle structure as indicated, torque 8.0 +/- 1.5Nm (Fig. 10d).



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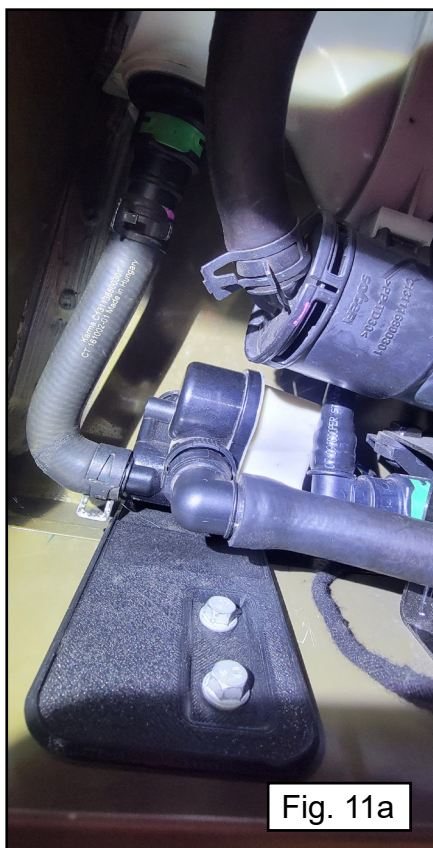
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The reinstalled DMTL and the DMTL to FTIV hose assembly (C131116901504) are shown below in (Fig. 11a, Fig. 11b, and Fig. 11c).



Repair verification: EVAP DTC check after repairs (e.g., static test, dynamic test)

**Clear all DTCs** and perform a static check and monitor if MIL returns.

Allow the vehicle to sleep. After the sleep cycle, SYSTEM READY ON, set the vehicle for 10 minutes in STEALTH, wait. Around the 10 minutes mark listen for 4 clicks which would indicate switching valve operation. Check for any Pending DTCs while the vehicle is still on.

If no pending DTCs are present, immediately test drive the vehicle in SUSTAIN for 10 miles and make sure the engine runs during your test drive then recheck for any pending DTCs before turning off the vehicle (Perform this twice). If no pending EVAP DTCs are present, then repair has been completed, and no further work is required.

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### PARTS REQUIRED:

PART NUMBER	DESCRIPTION	QUANTITY
C131116700701	DMTL BRACKET	1
C131116401104	Hose Assy – Canister to DMTL	1
C131116901504	Hose Assy – DMTL to FTIV	1
C140300307100	SCREW-WASHERHD 6-LOBE PT 5.0 X 2.24 X 12	3

Please contact the parts department ([parts@karmaautomotive.com](mailto:parts@karmaautomotive.com)) and order this part by email if not available in on-line at time of repair.

### SHOP SUPPLIES:

DESCRIPTION
N/A

### SPECIAL TOOLS:

DESCRIPTION
N/A

### CAUSAL PART: (use one of the parts for the complaint)

PART NUMBER	DESCRIPTION
C131116600100	Diagnosis Module- Tank Leakage

### LABOR CODES: (use one appropriate for the part(s) replaced)

CODE	DESCRIPTION	TIME	DEFECT CODE
12-60-03-05	DMTL Reposition	2.2	12-60-03-13

### SUBLET:

CODE	DESCRIPTION	AMOUNT
N/A		

**WARRANTY DISPOSITION:** This repair is covered under the New Vehicle Limited Warranty, in effect for four (4) years from the in-service date with unlimited mileage limitation for Revero GT and GTS, 4 years/50K miles for GS-6.

Refer to the warranty manual for emission equipment warranty coverage (for example: DMTL)

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