



# RECALL CAMPAIGN BULLETIN

Classification: EC20-029	Reference: NTB20-089	Date: December 8, 2020
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## VOLUNTARY SAFETY RECALL CAMPAIGN 2020 TITAN AND TITAN XD; EGI HARNESS

**CAMPAIGN ID #:** PC773  
**APPLIED VEHICLES:** 2020 Titan and Titan XD (A61)  
**APPLIED ENGINE:** VK56VD (Gasoline V8)

**Check Service COMM or Dealer Business Systems (DBS)  
National Service History to confirm campaign eligibility.**

### INTRODUCTION

Nissan is conducting this voluntary safety recall campaign on certain specific model year 2020 Titan and Titan XD vehicles to repair the engine control (EGI) harness. If visible damage is found, during the repair, the entire harness must be replaced instead. This service will be performed at no charge to the customer for parts or labor.

### IDENTIFICATION NUMBER

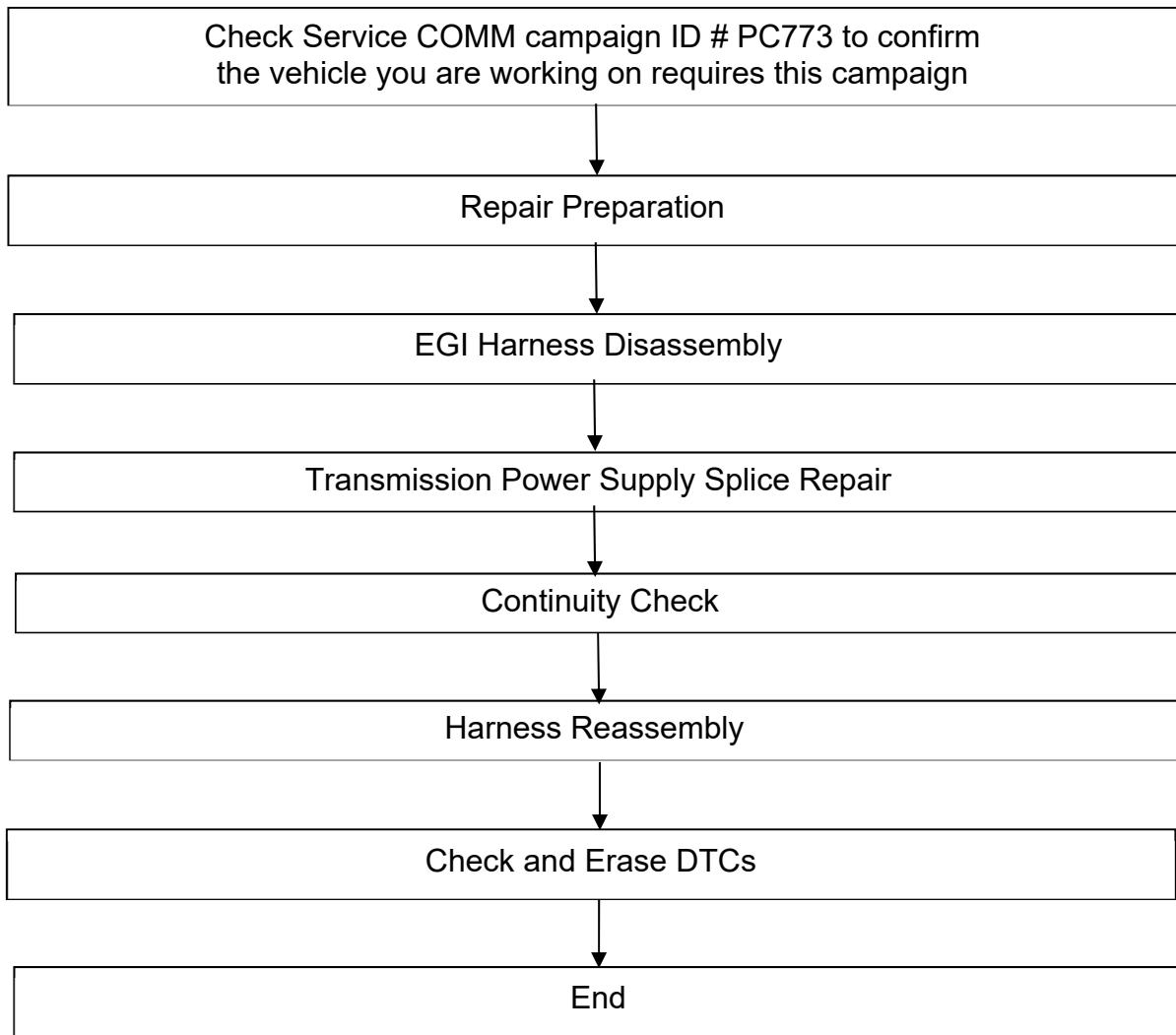
Nissan has assigned identification number PC773 to this campaign. This number must appear on all communication and documentation of any nature dealing with this campaign.

### DEALER RESPONSIBILITY

It is the dealer's responsibility to check Service COMM or Dealer Business Systems (DBS) National Service History for the campaign status on each vehicle falling within the range of this voluntary safety recall which for any reason enters the service department. This includes vehicles purchased from private parties or presented by transient (tourist) owners and vehicles in a dealer's inventory. **Federal law requires that new vehicles in dealer inventory which are the subject of a safety recall must be corrected prior to sale. Failure to do so can result in civil penalties by the National Highway Traffic Safety Administration.** While federal law applies only to new vehicles, Nissan strongly encourages dealers to correct any used vehicles in their inventory before they are retailed.

Nissan Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. **NOTE:** If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Nissan dealer to determine if this applies to your vehicle.

## REPAIR OVERVIEW



## SERVICE PROCEDURE

### **NOTICE**

To avoid damage to the vehicle, if there is **VISIBLE DAMAGE** to any of the individual wires within the EGI harness, the entire harness must be replaced.

### Repair Preparation

1. Write down the radio presets.
2. Disconnect the 12V battery.
  - Disconnect the negative battery cable first.
  - Remove the positive battery terminal cover and disconnect the positive battery cable.

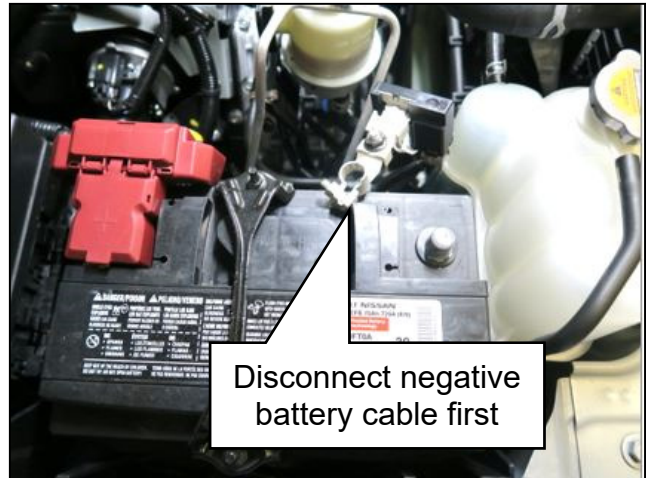


Figure 1

3. Place suitable covers on both fenders and across the front of the vehicle to prevent damage to vehicle finish.



Figure 2

4. Remove the engine cover.
  - a. Pull up on the front corners of the engine cover to release it.
  - b. While lifting, pull the cover toward the front of the vehicle to disengage the rear of the cover.
  - c. Place the engine cover in a clean area.



Figure 3

### EGI Harness Disassembly

**NOTE:** The EGI harness repair will be performed toward the back of the passenger side valve cover, as shown in Figure 4.

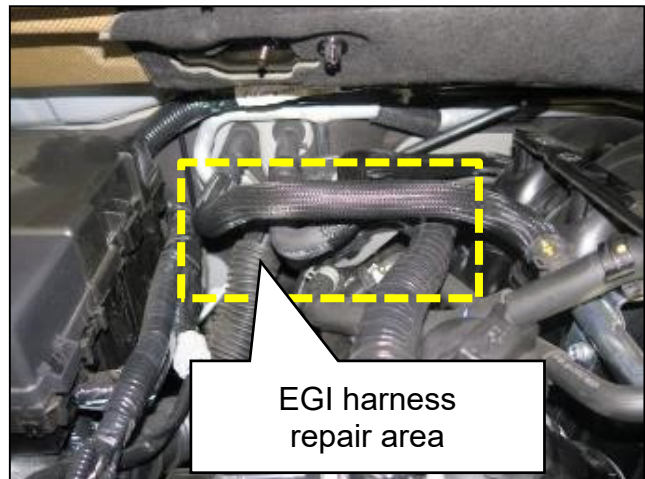


Figure 4

5. Remove the EGI harness from the harness retainer clip as shown in Figure 5.

- Disengage the harness retainer by inserting a small flat blade screwdriver and gently prying outward to disengage.

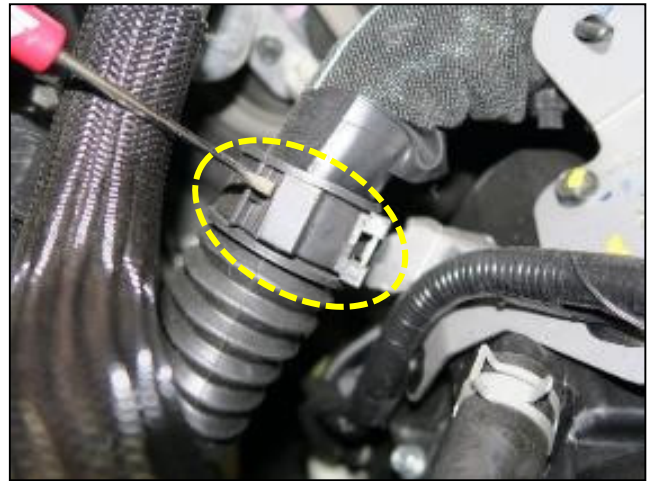


Figure 5

6. Disengage the harness retainer as shown in Figure 6.
  - a. Depress both sides of the harness retainer clip to disengage.
  - b. With the retainer clip tabs disengaged, push the harness toward the rear of the vehicle to remove it from the harness retainer bracket.

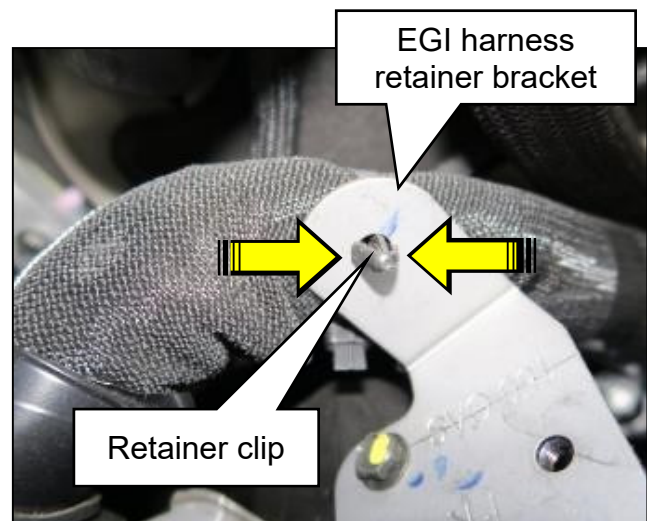


Figure 6



7. Lift the harness over the harness retainer bracket, as shown in Figure 7, and move the harness toward the front of the vehicle.

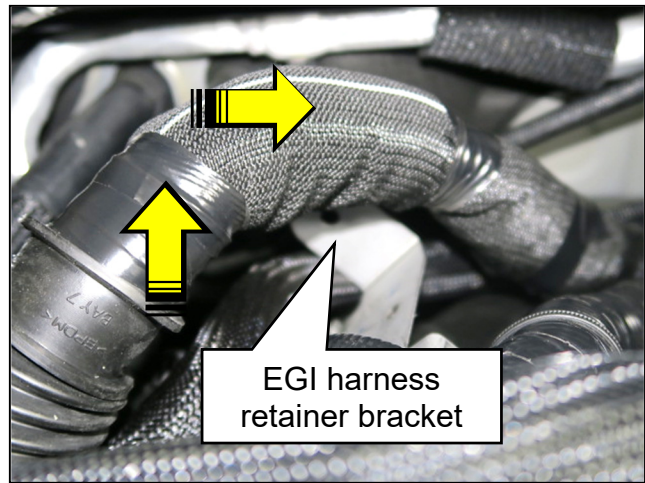


Figure 7

8. Carefully move the heater hose, shown in Figure 8, down and hook it behind the EGI harness retainer bracket to allow unobstructed access to the EGI harness.

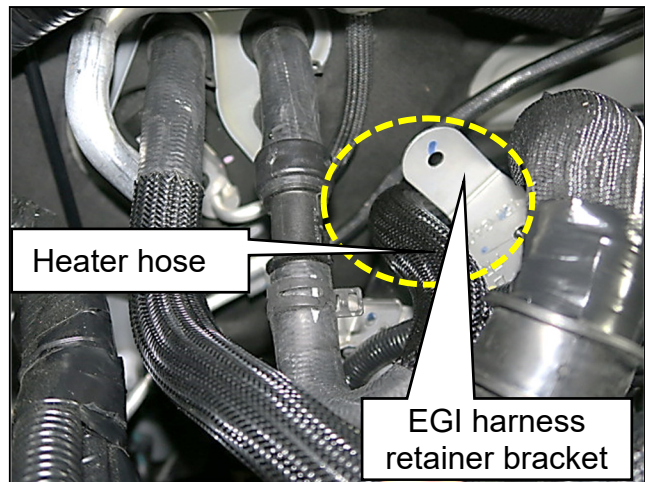


Figure 8

9. Using a suitable tool, remove and discard the banded harness retainer shown in Figure 9.

- The banded harness retainer will be replaced during reassembly.

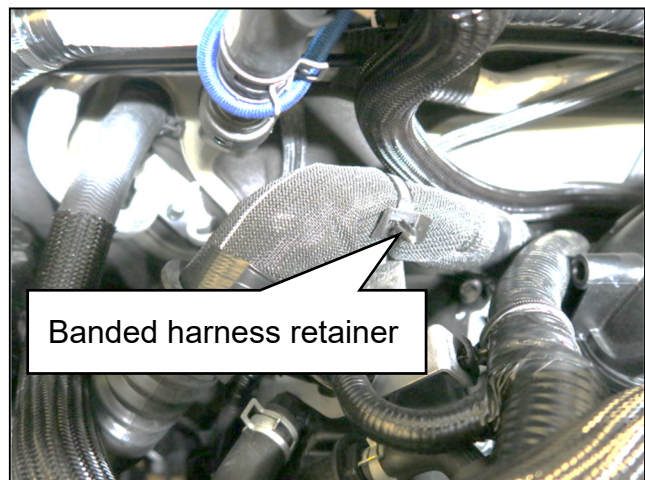


Figure 9

**NOTICE**

To avoid damage to the harness, do NOT use a sharp cutting tool to remove the vinyl tape.

10. Carefully remove the vinyl tape to expose the area above the rubber harness protector, shown in Figure 10.

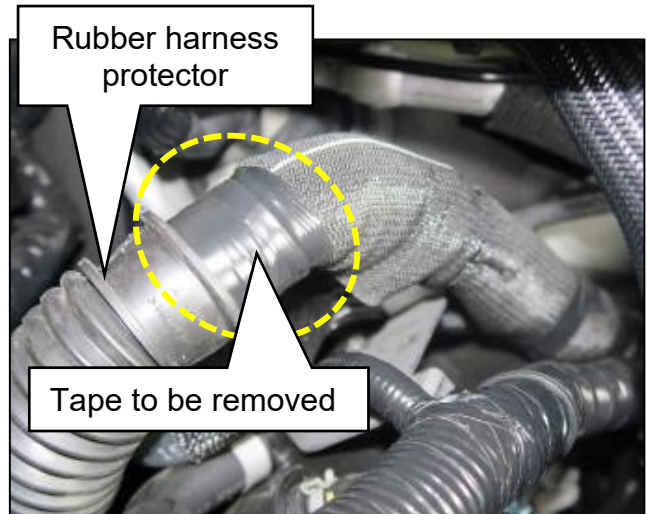


Figure 10

11. Carefully roll the end of the rubber harness protector, and then pull it in the direction shown in Figure 11 to expose the foam insulator and the tape securing the mesh harness protector.

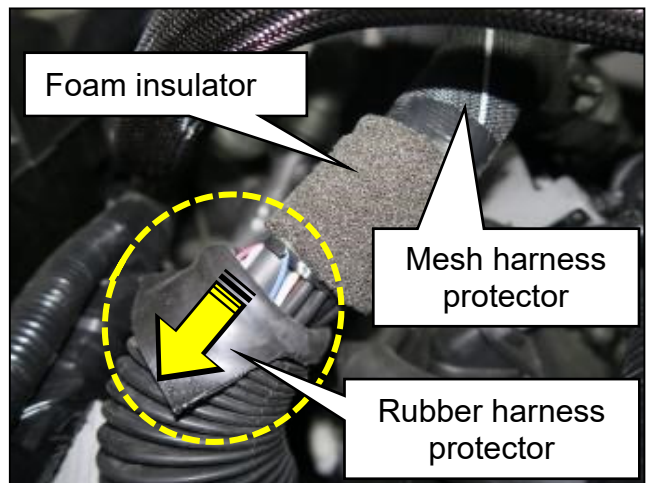


Figure 11

**NOTICE**

To avoid damage to the harness, do NOT use a sharp cutting tool to remove the foam insulator.

12. Carefully remove the foam insulator and the tape that it is attached to. Refer to Figure 12 and Figure 13.

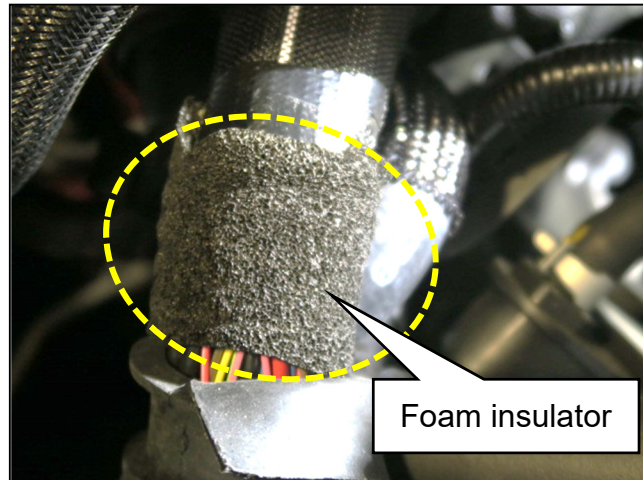


Figure 12



Figure 13

13. To expose the harness, carefully move the mesh harness protector toward the back of the engine, as shown in Figure 14.

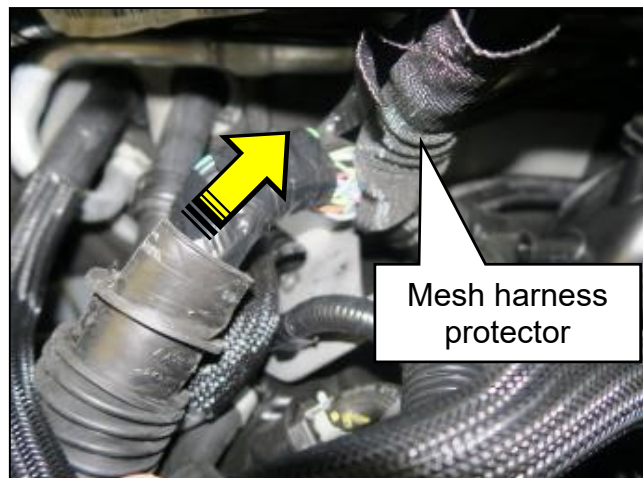


Figure 14



## NOTICE

To avoid damage to the harness, do NOT use a sharp cutting tool to remove the vinyl tape.

- Carefully remove the vinyl tape that bundles the harness together.

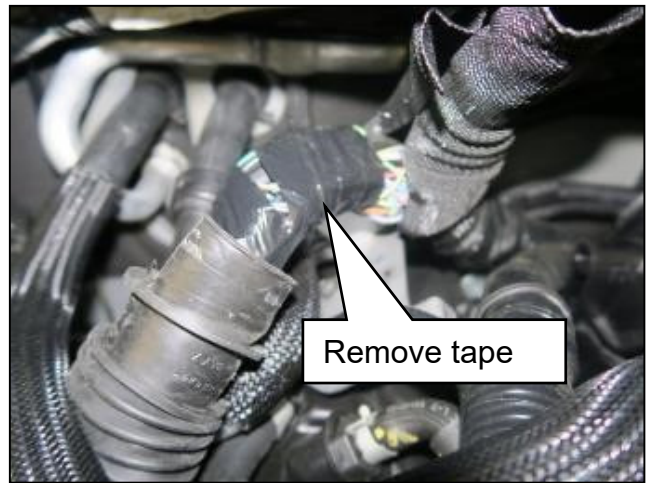


Figure 15

- Identify the transmission power supply wire for repair.

- The transmission power supply wire is located near the center of the EGI harness.
- The transmission power supply wire is completely wrapped with vinyl tape.

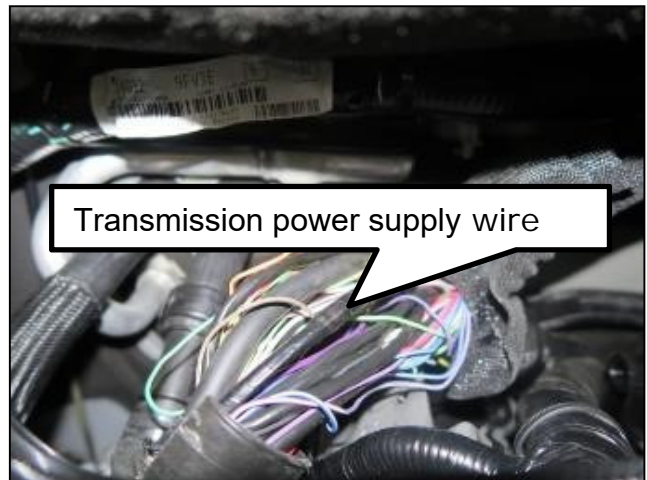


Figure 16

- Locate the affected splice within the transmission power supply wire.

- The splice will be located near the large harness retaining clip.
- The splice can be located by feeling for a raised section on the wire.

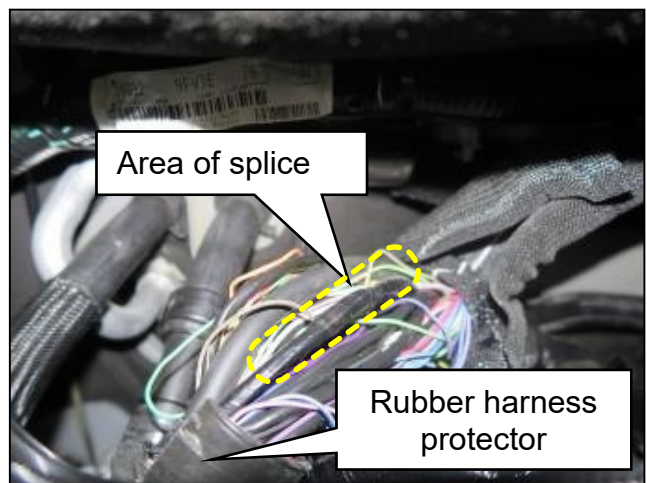


Figure 17

**NOTICE**

To avoid damage to the harness, do NOT use a sharp cutting tool to remove the vinyl tape.

17. Carefully tear and unravel part of the vinyl tape to expose the blue aluminum-shielding tape.

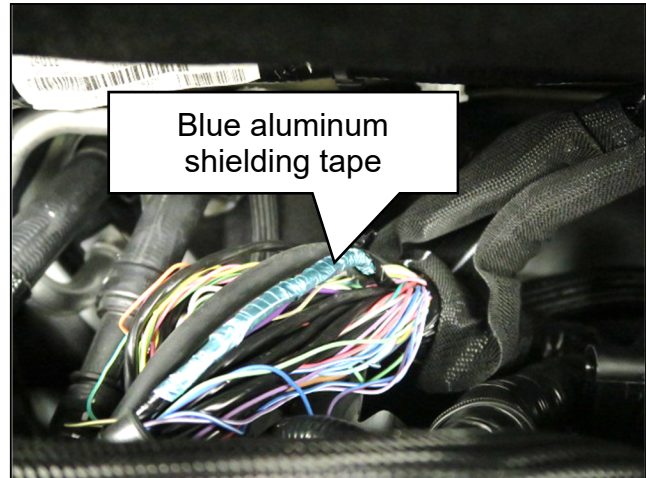


Figure 18

18. Carefully remove the blue aluminum-shielding tape from the harness to expose the splice.
  - The entire splice and part of the red wire insulation MUST be exposed.

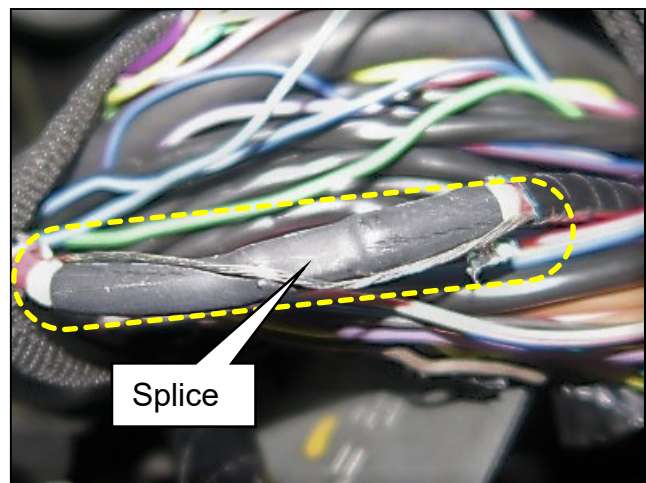


Figure 19

## Transmission Power Supply Splice Repair

**NOTE:** Refer to the parts information section to become familiar with the contents of the EGI harness repair kit.

19. Separate the bare ground drain wire from the splice (Figure 20).

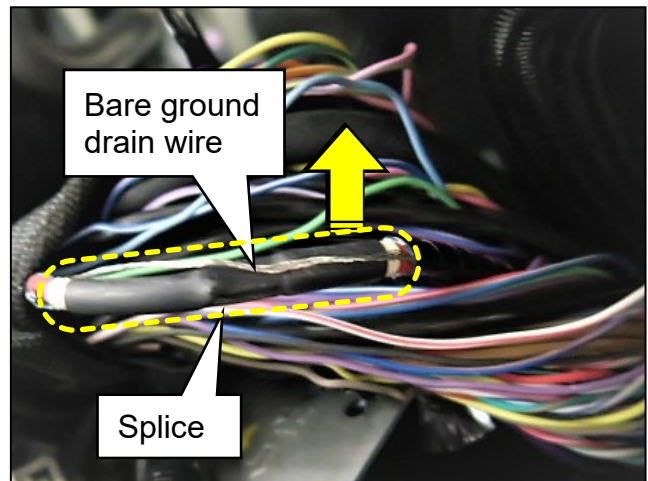


Figure 20

20. Cover the splice with the butyl strips (M4117008), while making sure the bare drain wire is **NOT** covered with the butyl.
  - a. Center the first butyl strip onto the splice as shown in Figure 21.
  - b. Press the butyl strip onto the splice and remove the backing.
  - c. Center the second butyl strip onto the uncovered portion of the splice.
  - d. Press the butyl strips together around the splice.

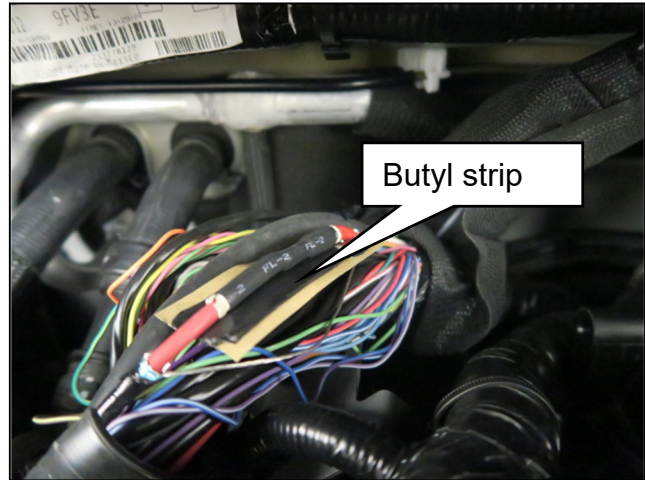


Figure 21

- e. Remove the backing from the second butyl strip.
- f. Verify the entire splice is covered, as shown in Figure 22.

**NOTICE**

To avoid damage to the vehicle, ensure the bare ground drain wire is NOT covered by the butyl strips.

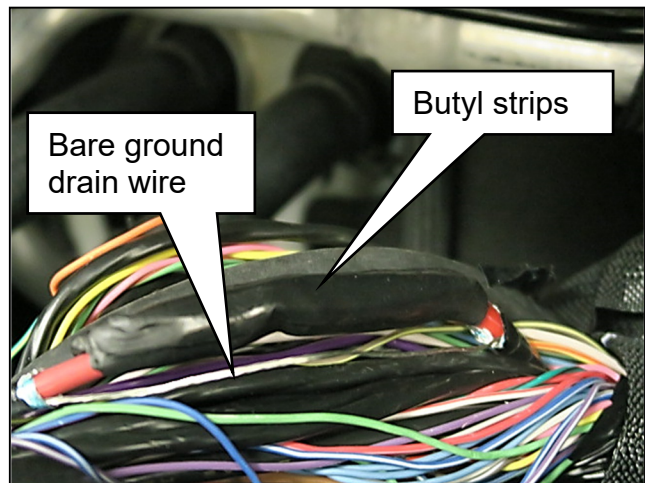


Figure 22



21. Carefully wrap a 4.5-inch long section of the black splice tape (M0537401) horizontally around the butyl making sure all of the butyl is covered.
  - Verify the bare ground drain wire is outside of the splice tape as shown in Figure 23.

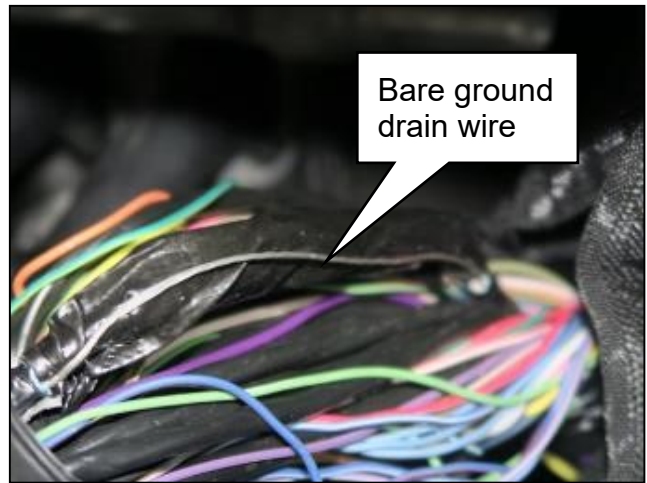


Figure 23

22. Wrap the transmission power supply wire and bare ground drain wire with the aluminum tape (M2173004-3M).
  - a. Place the bare ground drain wire against the transmission power supply wire.
  - b. Begin by wrapping the aluminum tape over the vinyl tape that was not removed during the repair.
  - c. **Making sure the blue side is visible**, wrap the aluminum tape around the transmission power supply wire and the bare ground drain wire (Figure 24).
  - d. Wrap the aluminum tape making sure to overlap it with each wrap.
  - e. Ensure the repair area is completely overlapped with the new aluminum tape.

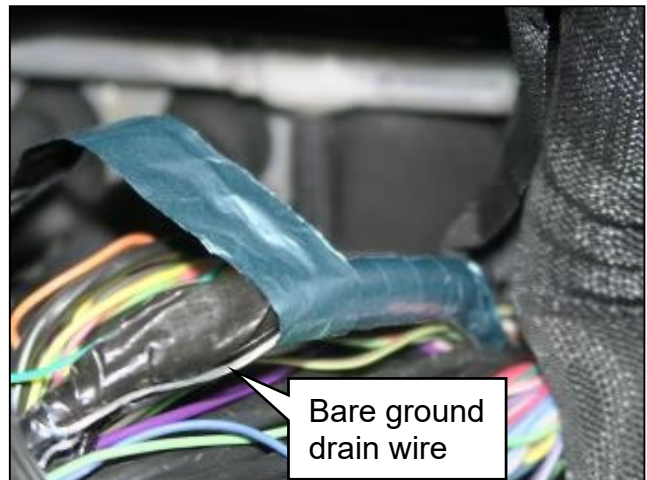


Figure 24

23. Wrap a 3-inch strip of the narrow black vinyl tape (M4042002) around the end of the aluminum tape to prevent it from unravelling.



Figure 25



## Perform Continuity Check

24. Disconnect the transmission power supply connector, F127, from the positive battery fusible link as shown in Figure 26.

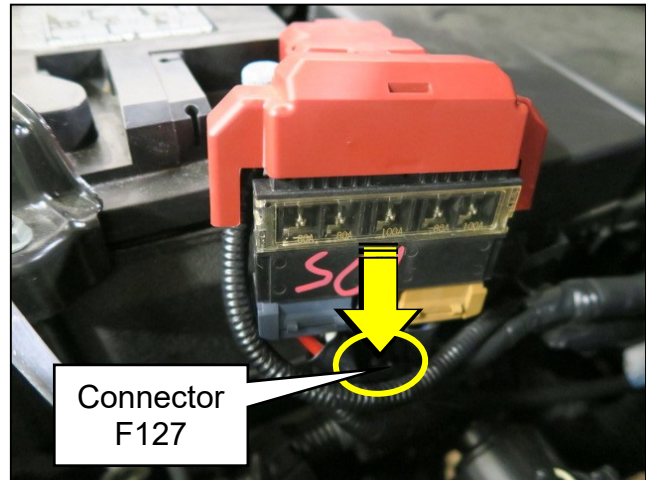


Figure 26

### NOTICE

To avoid damage to the F127 connector terminal, only back probe the connector terminal, using the positive meter lead (Figure 27).

25. Using a DVOM, backprobe connector F127 and check for continuity to the negative battery cable (Figure 28).
  - If there is no continuity, continue to step 26 on page 15.
  - If continuity exists, remove the blue aluminum tape and verify the bare ground drain wire is NOT covered by the butyl and recheck for continuity.
    - Once it is verified that continuity does not exist, rewrap the transmission power supply wire and the bare ground drain wire as stated in step 22 on page 13, then continue to step 26 on page 15.

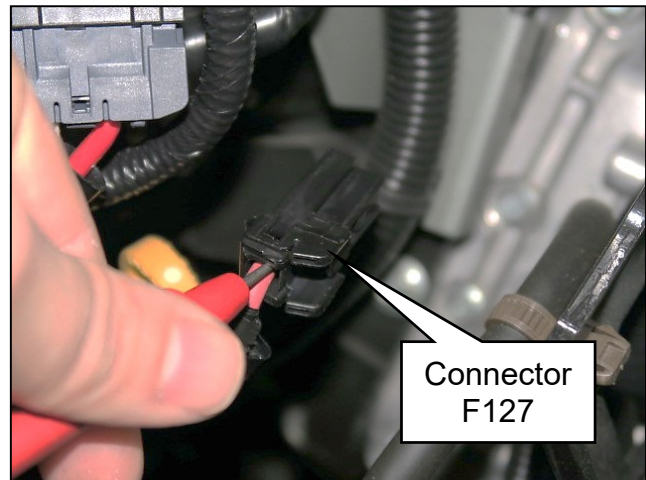


Figure 27



Figure 28

## Harness Reassembly

26. Wrap the repair area with the black non-adhesive vinyl tape (M4515102).
  - Completely cover the repair area making sure to overlap the tape not removed during the repair.
27. Wrap a 3-inch strip of the narrow black vinyl tape (M4042002) around the end of the non-adhesive vinyl tape to prevent it from unravelling.

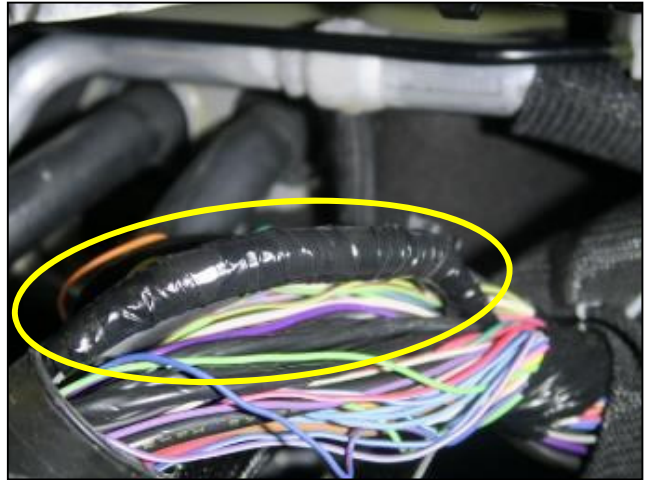


Figure 29

28. Tightly bundle the harness together by hand and wrap the harness with the narrow vinyl tape (M4042002) to hold it together.



Figure 30

29. Place the mesh harness protector over the wires (Figure 31).

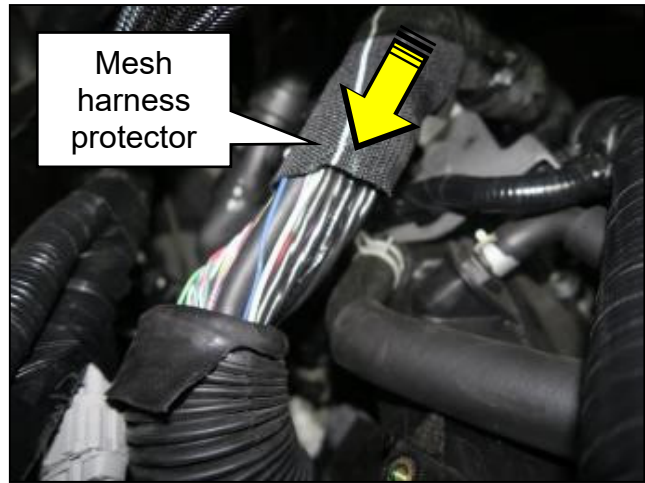


Figure 31

30. While holding the mesh harness protector in place, wrap the end of the mesh with the wide vinyl tape (M2306001) as shown in Figure 32.

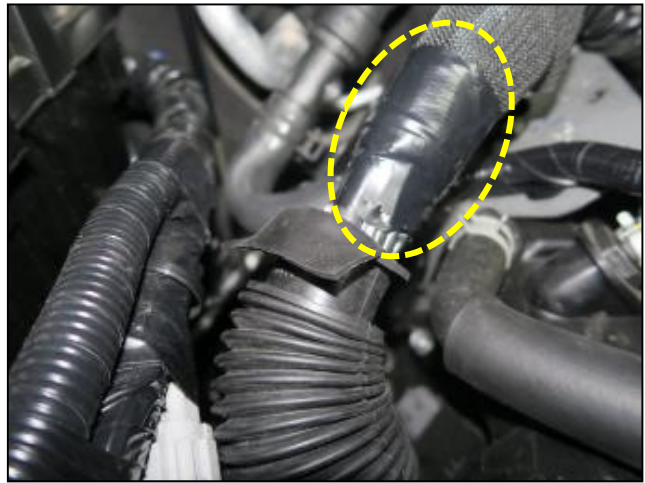


Figure 32

31. Install the new foam insulator (13535124).
- Remove the backing from the foam insulator.

**IMPORTANT:** When installing the foam insulator, it cannot be removed. Make sure the position of the foam insulator is correct the first time.



Figure 33

32. Move the rubber harness protector tongue over the mesh harness protector.



Figure 34

33. Secure the rubber harness protector tongue to the mesh harness protector using the narrow black vinyl tape (M4042002).



Figure 35



34. Move the heater hose to its original position.
35. Move the harness back into place, over the harness retainer bracket.
36. Install the harness into the large harness retainer and lock it into place as shown in Figure 36.



Figure 36

37. Install a new banded harness retainer from the repair kit onto the harness and attach it to the retainer bracket.
  - Tighten the band after attaching it to the retainer bracket.

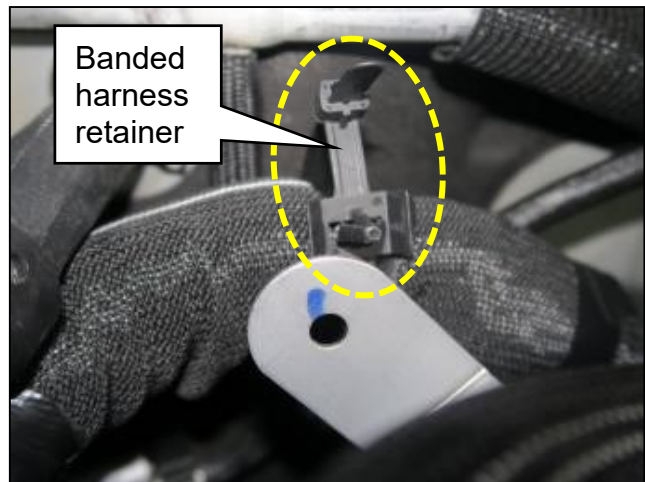


Figure 37

38. Trim the excess band.

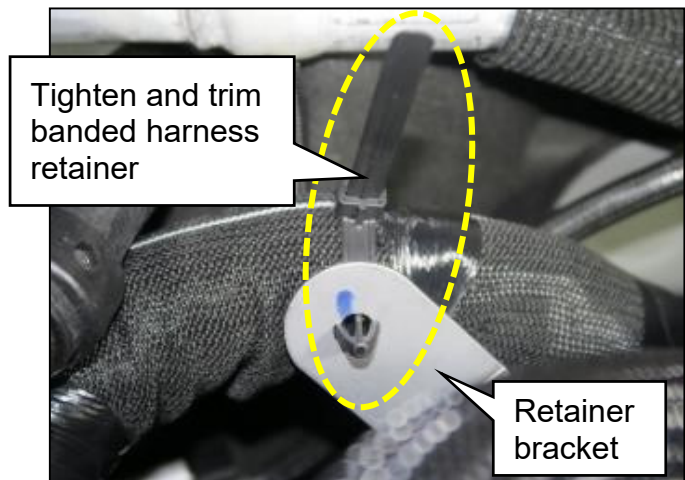


Figure 38



39. Reinstall the engine cover.
40. Reconnect the transmission power supply connector, F127, to the fusible link.
41. Reconnect the positive battery cable.
  - Torque the positive battery terminal nut to 5.5 N•m (48 in-lb).

42. Torque the fusible link box nuts on the top of the positive battery terminal to 13.5 N•m (120 in-lb).

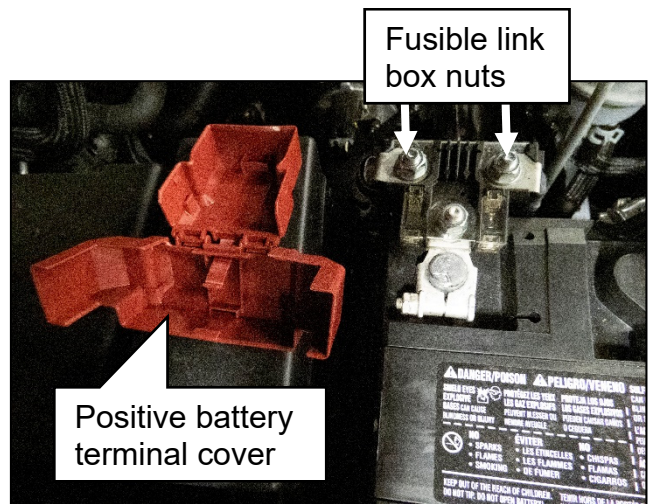


Figure 39

43. Reinstall the positive battery terminal cover.
44. Reconnect the negative battery cable.
  - Torque the negative battery terminal nut to 5.35 N•m (47 in-lb).
45. Remove the fender covers.
46. Reset the clock and the radio settings.

## Check and Erase DTCs

47. Connect the CONSULT PC to the vehicle.
48. Start C-III plus.
49. Wait for the VI to be recognized.
50. Select **Diagnosis (All Systems)**.

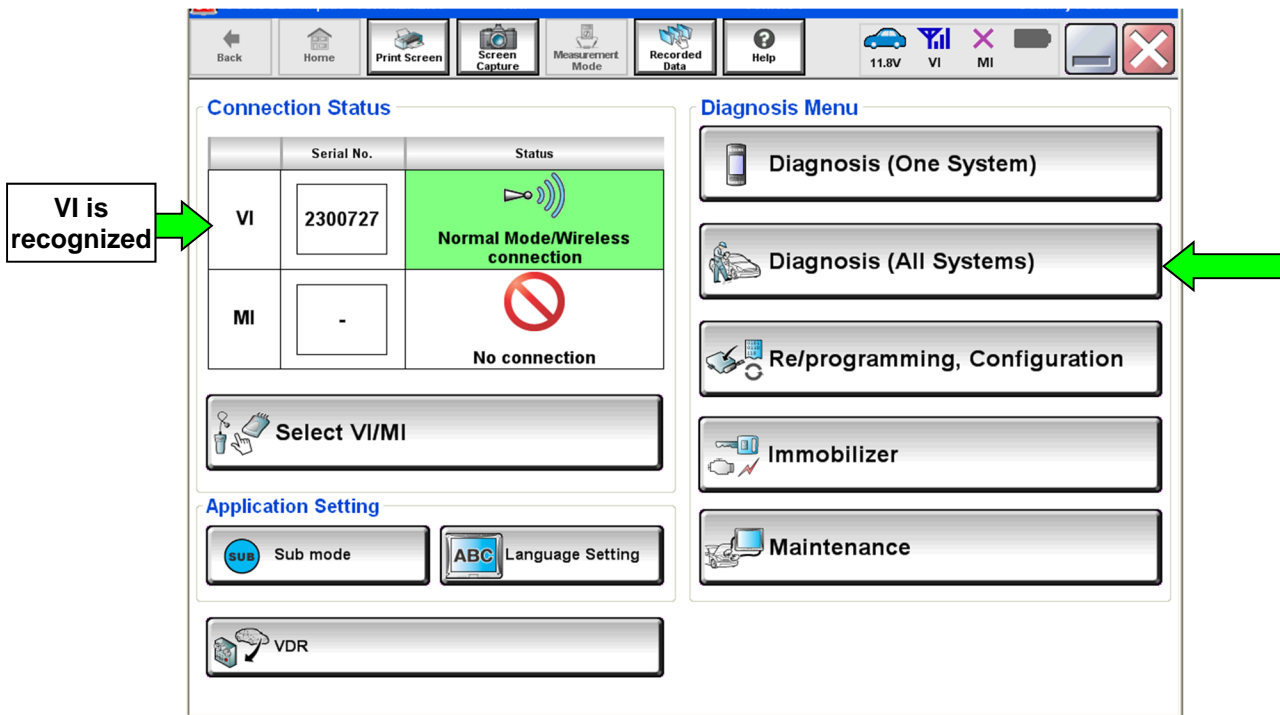


Figure 40

51. Select **Automatic Selection(VIN)**.



Figure 41

52. Confirm the **VIN**, **Vehicle Name**, and **Model Year** are correct, then select **Confirm**.

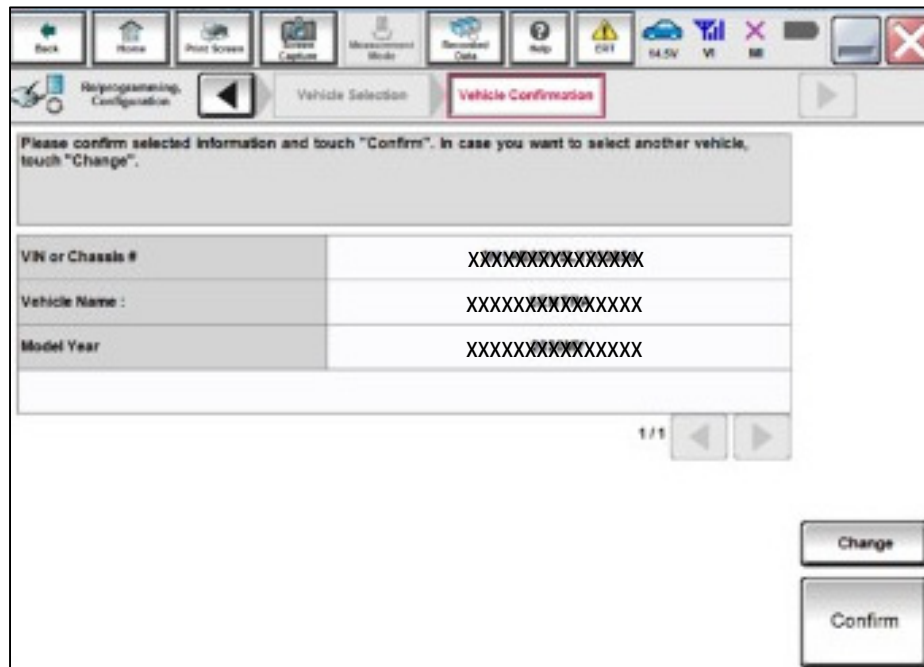


Figure 42

53. Select **ERASE**.



Figure 43

54. Select **Execute**.

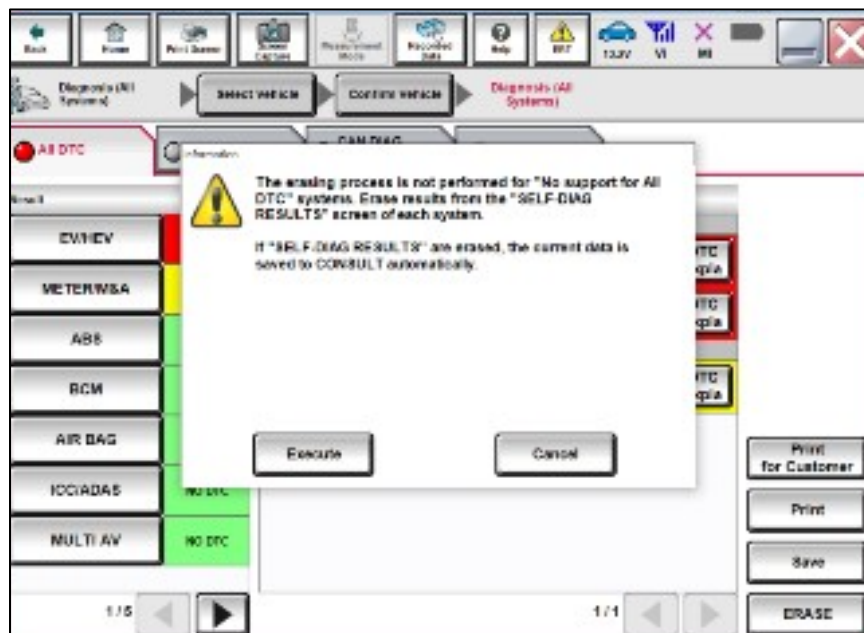


Figure 44

55. Select **Close**.

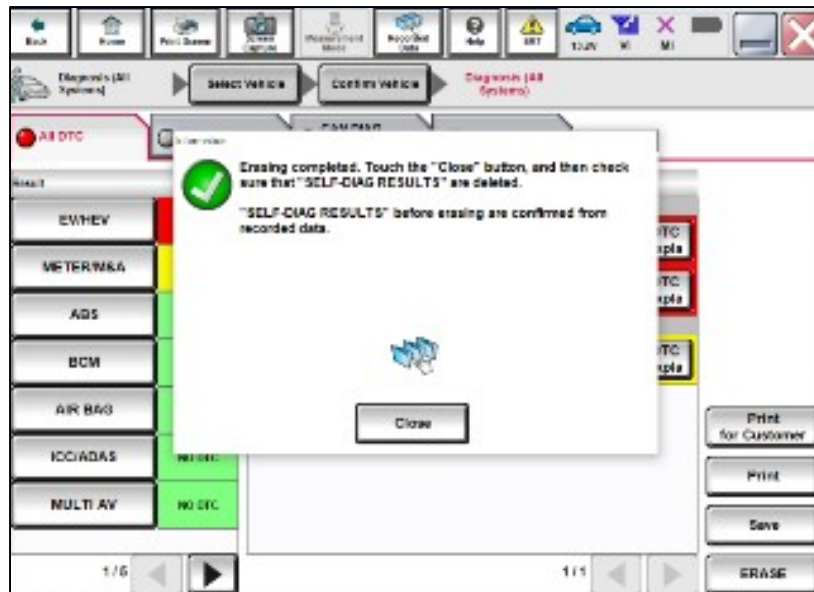


Figure 45

56. Close C-III plus.

57. Turn the ignition OFF.

58. Remove the VI.



**PARTS INFORMATION**

DESCRIPTION	PART NUMBER	QUANTITY
EGI HARNESS REPAIR KIT	240R2-9FV0B	1

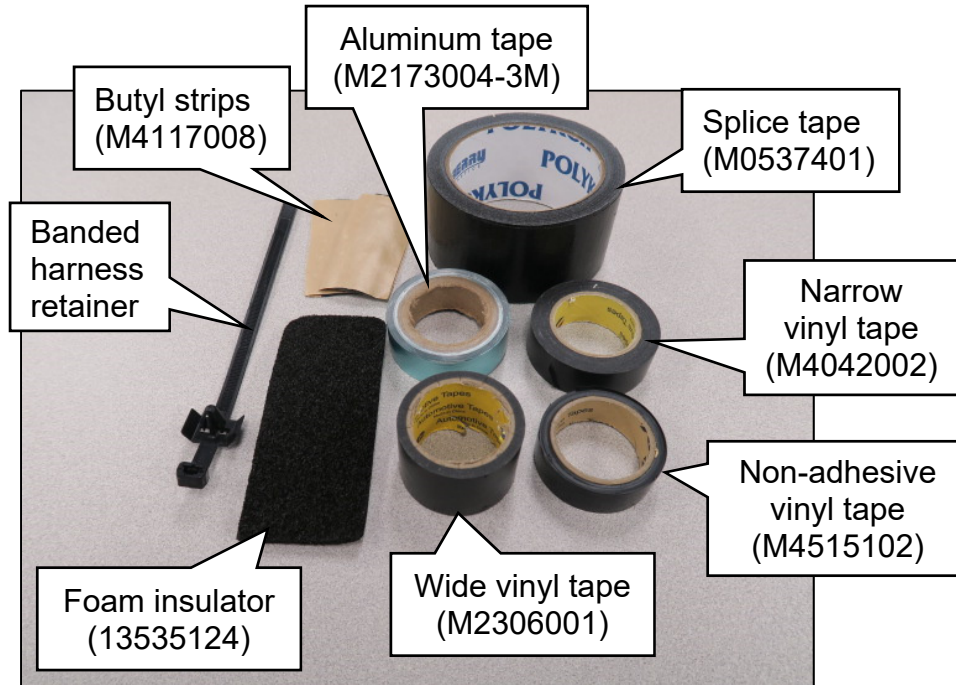


Figure 46

**CLAIMS INFORMATION**

Submit a “CM” line claim using the following claims coding:

CAMPAIGN (“CM”) ID	DESCRIPTION	OP CODE	FRT
PC773	Repair EGI harness	PC7730	1.2 hrs
	Replace EGI harness	Contact Warranty Call Center	

**AMENDMENT HISTORY**

PUBLISHED DATE	REFERENCE	DESCRIPTION
December 8, 2020	NTB20-089	Original bulletin published