



Innovation that excites

# NISSAN BULLETIN

## Engine Room Harness Voluntary Safety Recall Campaign

Reference: PM658  
Date: June 29, 2016

Attention: Dealer Principal, Sales, Service & Parts Managers

**A STOP SALE CONDITION IS IN EFFECT.**

Affected Models/Years:	Affected Population:	Dealer Inventory:	SERVICE COMM Activation date:
MY2016 Sentra (B17)	1,522	734	June 29, 2016

**\*\*\*\*\* Campaign Summary \*\*\*\*\***

Nissan has notified the National Highway Traffic Safety Administration (NHTSA) that it is conducting a Voluntary Safety Recall Campaign on certain MY2016 Nissan Sentra vehicles sold in the United States to replace an engine room harness terminal pin.

Due to a supplier error that has since been corrected, one of the engine room harness terminal pins may be out of specification, potentially resulting in an inadequate electrical connection between the harness terminal and the ECU. In some cases, this condition could prevent the car from starting or cause the engine to stop running while driving. Airbag functionality is unaffected, even if the engine stops running.

Owners of potentially affected vehicles will be notified in August and asked to bring their vehicle in to an authorized Nissan retailer to have the affected engine room harness terminal pin replaced at no cost to the customer for parts and labor.

Nissan is committed to a high level of customer safety, service, and satisfaction and are working with dealers to provide an outstanding ownership experience.

**IMPORTANT: It is a violation of Federal law for retailers to sell or deliver vehicles in their inventory covered by this notification until the campaign action is performed.**

**\*\*\*\*\* What Dealers Should Do\*\*\*\*\***

1. Verify if vehicles are affected by this Voluntary Safety Recall Campaign using Service Comm I.D. **PM658**
  - **New vehicles in dealer inventory can be also be identified using DCS (Sales-> Vehicle Inventory, and filter by Open Campaign).**
    - Refer to NPSB 15-460 for additional information
2. Dealers should not sell, lease, trade, rent or loan any vehicles in dealer inventory affected by this recall campaign until after the vehicle has been repaired.
3. Dealers will repair the Engine Room Harness Open Terminal with a new harness repair kit using attached campaign repair procedure.
4. If a retailed vehicle affected by these campaign ID visits the dealer for service, the dealer should inform the customer about the recall campaign and communicate that parts may need to be ordered.

- Dealers should contact roadside assistance for any retailed vehicles that require towing due to engine stall or no start condition related to this campaign.
- Rental is available while parts are on order:

EXPENSE CODE	DESCRIPTION	AMOUNT
502	Rental Expense	\$120 (Max)

\*\*\*\*\* Release Schedule \*\*\*\*\*

<b>Parts</b>	<ul style="list-style-type: none"> <li>• <b>Parts for this campaign are expected to be readily available within the next 2-3 weeks.</b></li> <li>• Nissan has developed an automatic parts shipment plan to ensure an adequate supply of parts is available to all Nissan dealers for dealer inventory units plus an additional quantity for retail customer needs. Parts will begin being distributed once available. Shipment details will be provided in a subsequent announcement.</li> <li>• In the Interim, dealers may use the following parts included in the engine harness repair kit:               <ul style="list-style-type: none"> <li>○ J-48817-230 (Terminal replacement lead)</li> <li>○ J-47003-2 (solder sleeve)</li> <li>○ Butyl tape</li> </ul> </li> </ul>
<b>Repair</b>	<ul style="list-style-type: none"> <li>• <b>Follow the procedure included in this announcement</b></li> <li>• A campaign TSB is currently under development and will be the subject of a future announcement.</li> </ul>
<b>Owner Notification</b>	Nissan will begin notifying owners of all potentially affected vehicles in <b>late July, 2016</b> via U.S. Mail.

\*\*\*\*\* Dealer Responsibility \*\*\*\*\*

It is the dealer's responsibility to check Service Comm using the appropriate Campaign I.D. for the campaign status on each vehicle falling within the range of this voluntary safety recall campaign which for any reason enters the service department. This includes vehicles purchased from private parties or presented by transient (tourist) owners and vehicles in dealer inventory. If a VIN subject to this recall campaign was part of a dealer trade, the letter associated with that VIN should be forwarded to the appropriate dealer for service completion.

**NISSAN NORTH AMERICA, INC.**  
Aftersales DIVISION

**Frequently Asked Questions (FAQ):**

**Q. Is this a safety recall?**

A. Yes, a Stop Sale is in effect.

**Q. What is the reason for safety recall?**

A. Due to a supplier error that has since been corrected, an oversized continuity check pin was used in the engine room harness, potentially resulting in an inadequate electrical connection between the harness terminal and the ECU.

**Q. What is the possible effect of the condition?**

A. In some cases, this condition could prevent the car from starting or cause the engine to stop running while driving. Airbag functionality is unaffected, even if the engine stops running.

**Q. What will be the corrective action for this voluntary safety recall campaign?**

A. Dealers will repair the Engine Room Harness Open Terminal with a new harness repair kit.

**Q. How long will the corrective action take?**

A. The repair should take approximately 1 hour to complete. However, the Nissan dealer may require the vehicle for a longer period of time based upon their work schedule. This service will be provided at no cost for parts and labor.

**Q. When will vehicle owners be notified?**

A. Nissan will notify owners in late July 2016, asking them to bring their vehicle to an authorized Nissan dealer to have Engine Room Harness Open Terminal repaired at no cost to the customer.

**Q. Are parts readily available?**

A. **Parts are not immediately available.** Parts are expected to become available within the next 2-3 weeks. In the Interim, dealers may use the following parts included in the engine harness repair kit:

- J-48817-230 (Terminal replacement lead)
- J-47003-2 (solder sleeve)
- Butyl tape

**Q. Is my vehicle safe to drive?**

A. Owners may drive the vehicle at their discretion. However, if the vehicle is subject to the recall, owners should make arrangements to have the vehicle repaired as soon as possible.

**Q. Will a rental vehicle be provided while the dealer is servicing the vehicle?**

A. Rental is covered by the campaign while parts are on order.

EXPENSE CODE		DESCRIPTION
502		Rental Expense
		\$120 (Max)

**Q. What if the customer experiences engine stall or no start condition related to this campaign? Is towing covered under the campaign?**

A. Dealers should call roadside assistance for any retailed vehicles that require towing due to engine stall or no start condition. If the vehicle is no longer covered under warranty, towing is covered under the campaign:

<b>EXPENSE CODE</b>	<b>DESCRIPTION</b>	<b>AMOUNT</b>
<b>501</b>	<b>Towing</b>	<b>\$100 (Max)</b>

**Q. I have lost confidence in the vehicle. Will Nissan replace or repurchase the vehicle?**

A. The repair will fully correct this condition. As the condition will be corrected, there is no basis for repurchasing or replacing your vehicle.

**Q. Is there anything owners can do to mitigate the condition?**

A. No.

**Q. Is there any charge for the repair?**

A. No, the repair will be performed for the customer free of charge for parts and labor.

**Q. Will I have to take my vehicle back to the selling dealer to have the service performed?**

A. No, any authorized Nissan dealer is able to perform the recall campaign.  
**For Consumer Affairs:** Please ask owners to inform Consumer Affairs of the dealer where the customer would like to have the corrective action completed.

**Q. What model year vehicles are involved?**

A. Certain 2016 Nissan Sentra vehicles within a specific production range are affected.

**Q. How many vehicles are involved in the campaign?**

A. The North American Market is affected as follows:

<b>Region</b>	<b>Total</b>
USA	<b>1,522</b>
<b>TOTAL</b>	<b>1,522</b>

<b>Make/Model</b>	<b>Dates of Manufacture</b>
MY2016 Nissan Sentra	April 11, 2016 through April 26, 2016

**Q. Are you experiencing this condition on any other Nissan (or Infiniti) models?**

A. No.



# PM658

## Sentra (B17) EGI Harness Repair

### SERVICE PROCEDURE

1. Open the hood.
2. Disconnect Negative battery cable.
3. Locate the three ECM connectors.

#### **IMPORTANT:**

The repairs will be completed on the **LEFT** side connector (gray color) identified in Figure 1



Figure 1

4. Disconnect all three ECM connectors (Figure 2).

- Start by removing the connector on the right and work to the left to remove the two remaining connectors.
- Press the locking tab down and rotate the securing lever clockwise to disengage the harness connector.

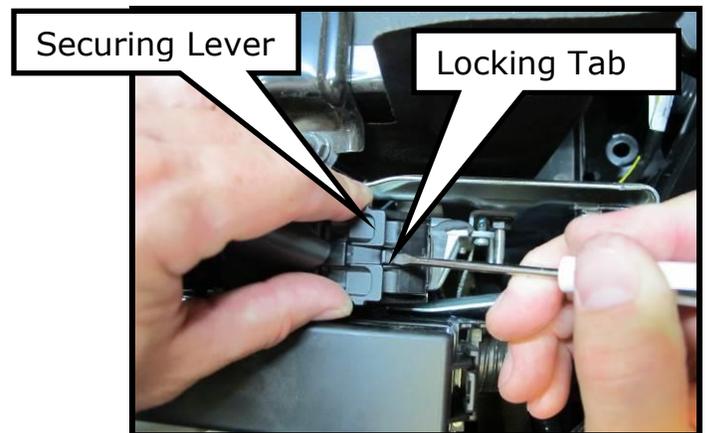


Figure 2

5. Remove the **LEFT** ECM connector securing lever (Figure 3).

- Line up the securing lever slot to the pivot shaft on both sides of the connector.
- Gently pull the securing lever off the connector pivot shafts on both sides.
- Use caution when removing this lever as it will be reused.

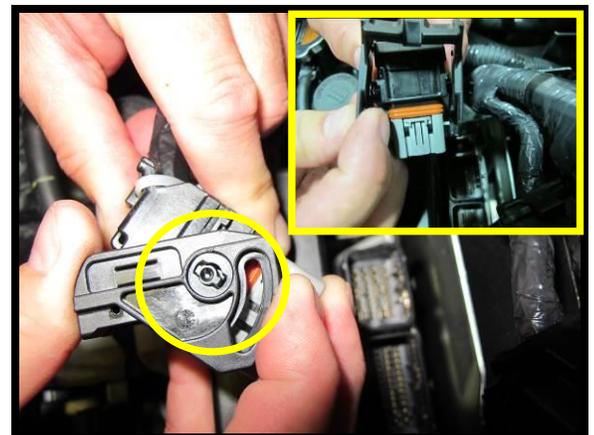


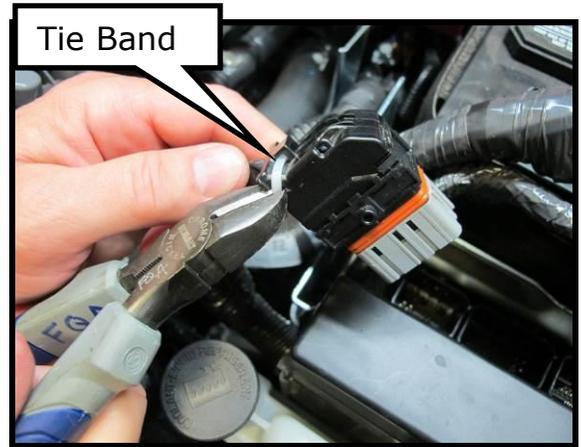
Figure 3

6. Remove the **LEFT** ECM connector white tie band from the neck of the connector (Figure 4).

- Cut white tie band with side cutters.

**IMPORTANT:**

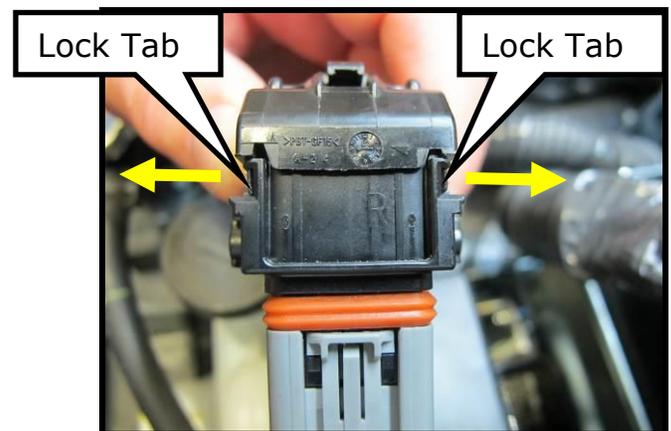
Be careful to NOT cut the wire harness.



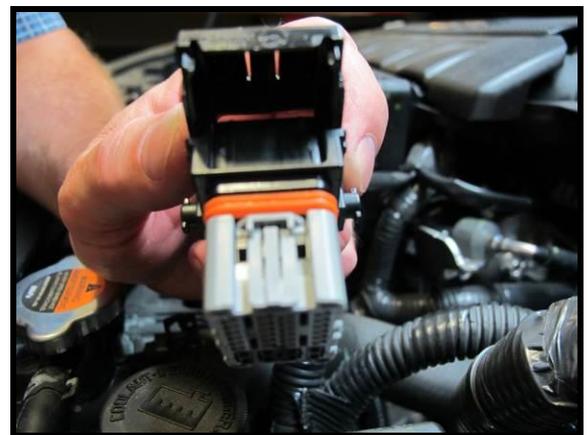
**Figure 4**

7. Remove the black top cover from the **LEFT** ECM connector.

- Using appropriate tool, unlock the two lock tabs on the end of the cover by pulling outward (Figure 5).
- Slide the black cover off the connector (Figure 6).



**Figure 5**



**Figure 6**

8. Remove gray terminal cap.

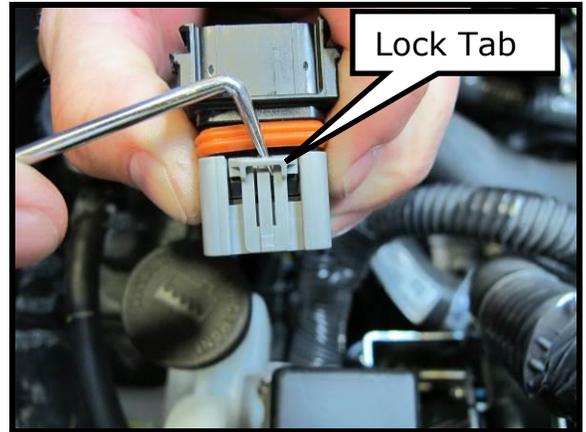
- Using appropriate tool, **gently** unlock the two lock tabs on each end of the cover and slide down half-way to half latch position (Figure 7).
- Using the appropriate tool, **gently** unlock the locks in all four corners then slide the gray terminal cap off (Figure 8).

**NOTE:**

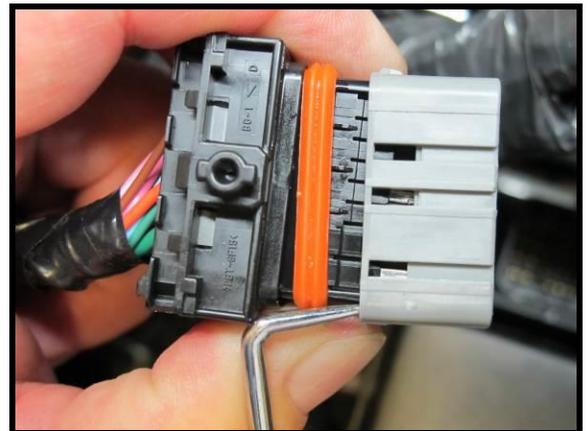
All four corners must be released off the half latch position for the gray terminal cap to slide off the connector.

9. Gently remove the orange weather seal and retain in safe place to be reinstalled later (Figure 9).

Only one side is shown, the opposite side is similar.



**Figure 7**



**Figure 8**



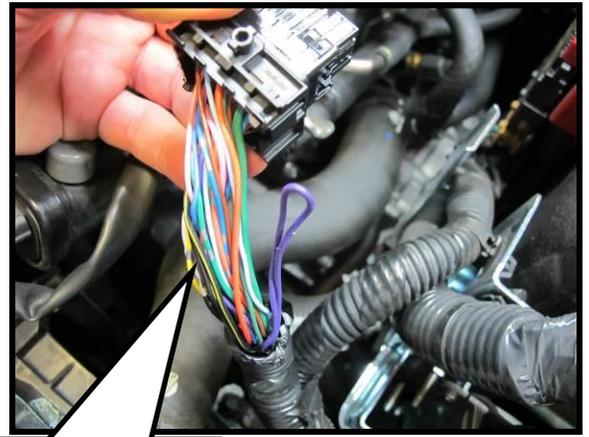
**Figure 9**

10. Gently remove the black vinyl tape from the **LEFT** ECM connector harness.

- Remove the tape from the connector body to the back corrugated conduit (Figure 10).

**IMPORTANT:**

Be careful to NOT damage any wiring during removal of the tape.



Area of Tape Removal

Figure 10

11. Locate terminal and corresponding wire (Figures 11, 12, 13).

- Pin: 112
- Wire Color: Solid Orange

**In-Vehicle ECM Connectors**

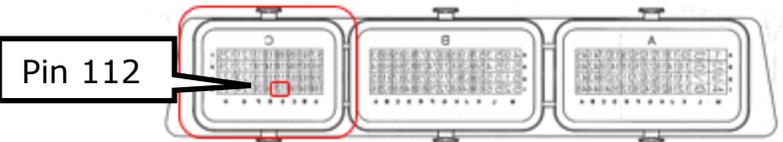


Figure 11

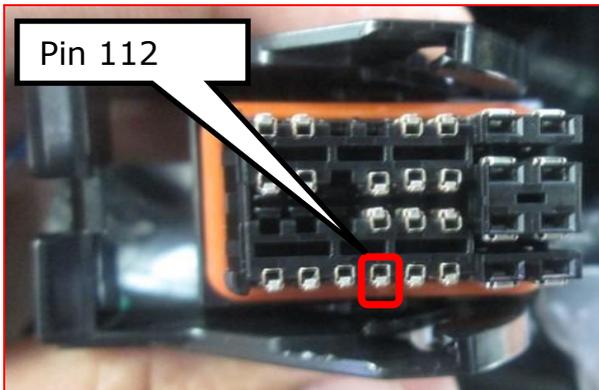


Figure 12

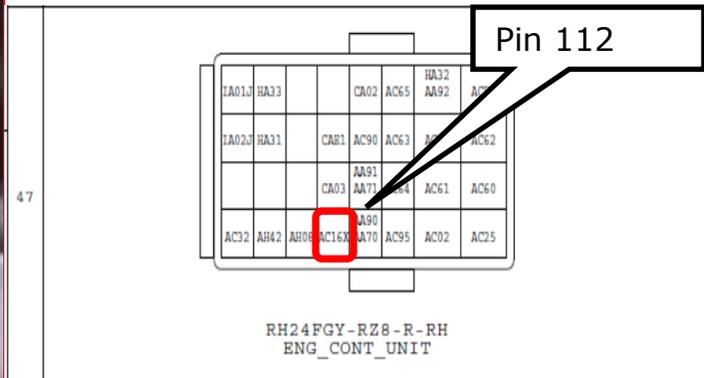


Figure 13

Terminal Lock Tab

12. Remove terminal 112 (Solid Orange Wire) from the ECM connector.

- Using appropriate tool, **GENTLY** release the terminal from the lock tab (Figure 14).
- Pull the **Solid ORANGE** wire to fully remove the terminal from the harness connector (Figure 15).

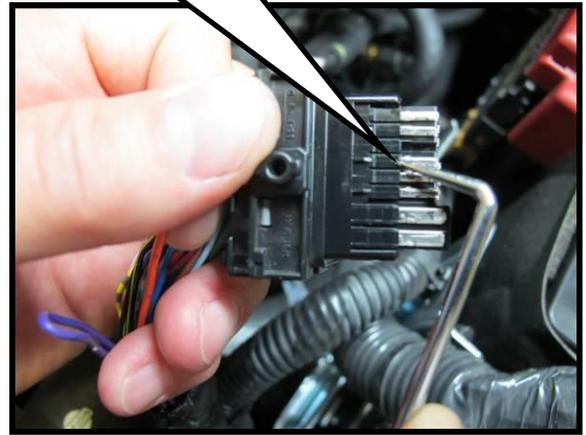


Figure 14

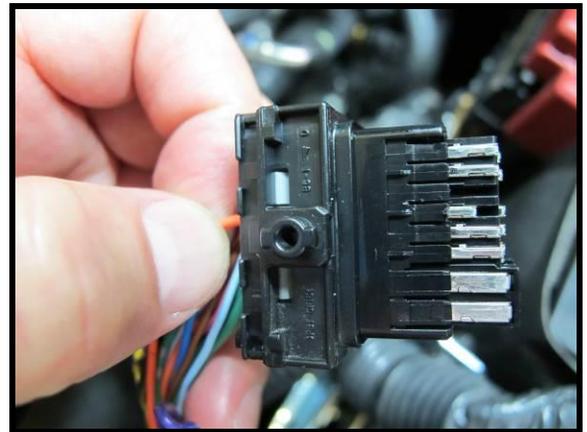


Figure 15

13. Cut the **Solid ORANGE** wire approximately 75mm from the terminal end (Figure 16).

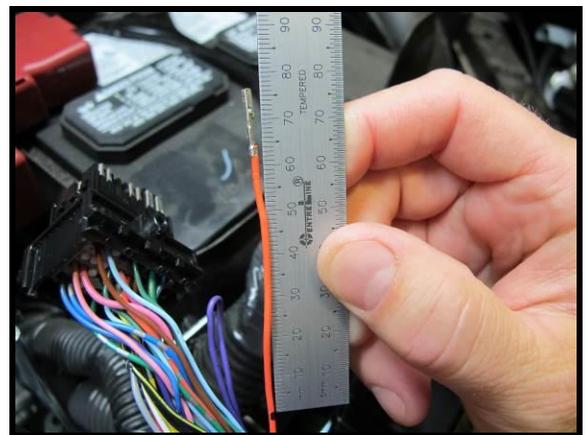
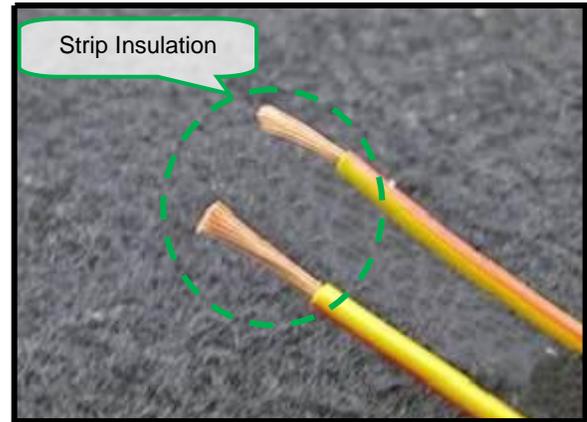


Figure 16

- Strip about 10 mm of insulation from the ends of the cut wire and the new replacement terminal (Figure 17).

**NOTE:**

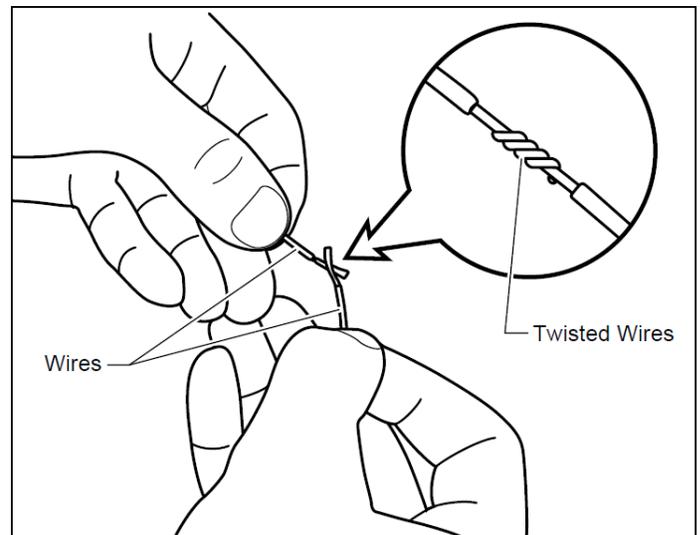
Actual wire color is **Solid ORANGE**.



**Figure 17**

- Slide the solder sleeve connector onto the cut wire.

- Securely twist together the wires cut in Step 13 and the replacement terminal to be connected / soldered (Figure 18)



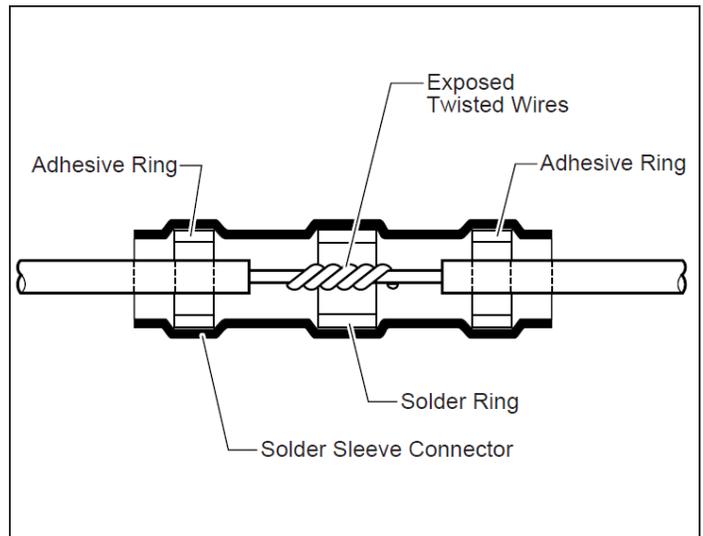
**Figure 18**

17. Position the solder sleeve connector so that the solder ring (in the connector) is centered around the exposed twisted wire area (Figure 19).

- Solder sleeve connector should slide over terminal end.

**WARNING:**

Do not use an electric type soldering tool. An electric type soldering tool may generate a current that may damage the ECU.



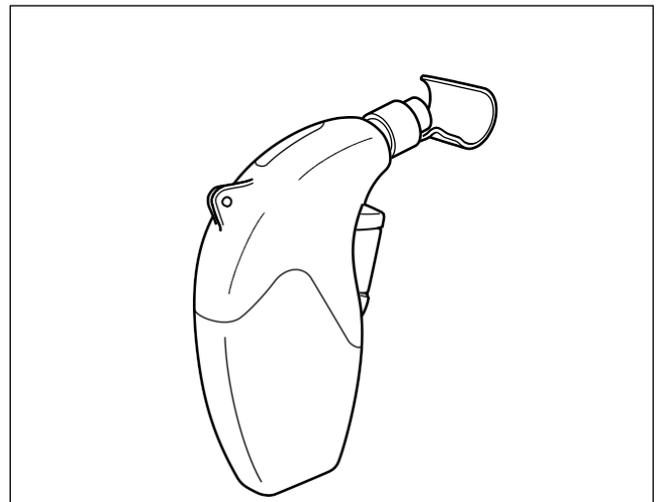
**Figure 19**

18. **REQUIRED SPECIAL TOOL**

**Flameless Heat Gun; J-46538**

- Additional tools can be purchased from TECH-MATE at 1-800-662-2001 – option 1.

Flameless Heat Gun J-46538

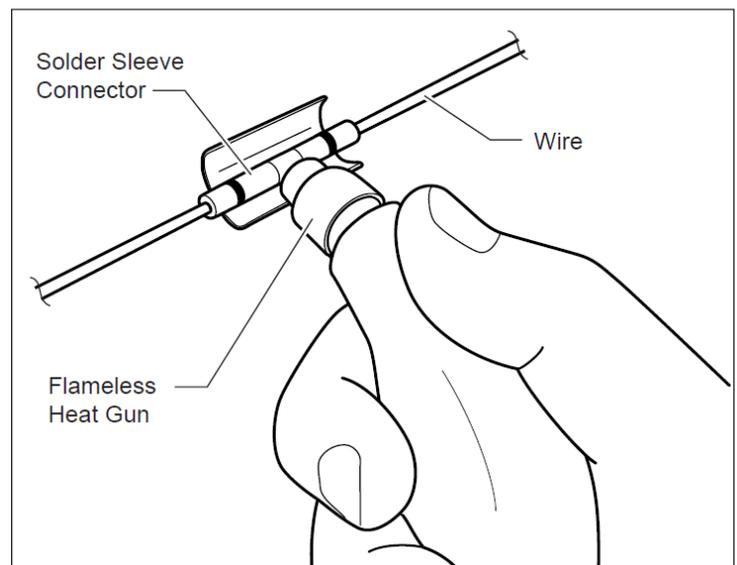


**Figure 20**

19. Use the special Flameless Heat Gun (J-46538) to heat the solder sleeve connector (Figure 21).

This operation will:

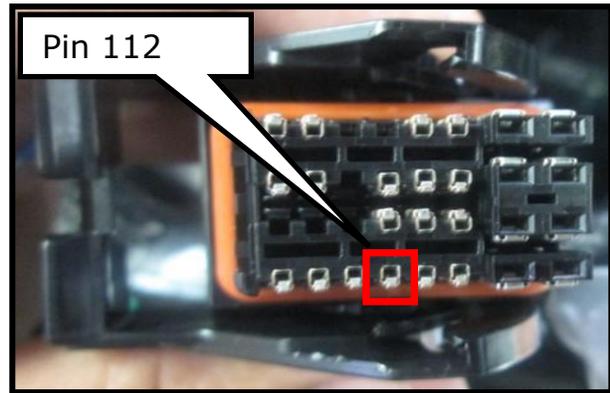
- Melt the solder (silver ring inside the solder sleeve connector) into the exposed twisted wire area.
- Melt the sealant (red rings inside solder sleeve connector) onto the wires.
- Shrink the plastic sleeve onto the wires.



**Figure 21**

20. Install the new terminal into pin hole 112 of harness connector (Figure 22).

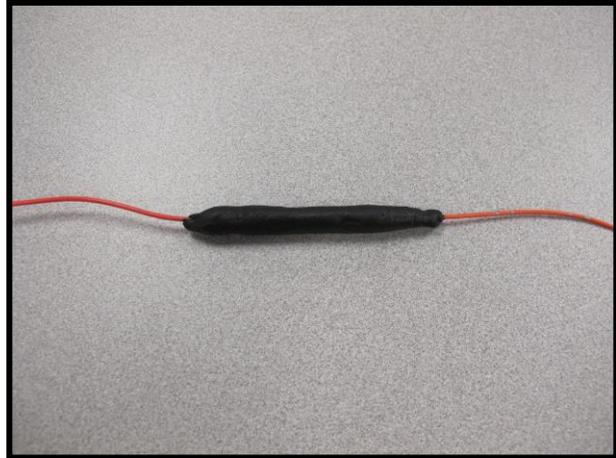
- **GENTLY** push terminal up into the appropriate hole until a light “click” is heard
- Terminal is fully seated when it cannot be pulled back out by hand.



**Figure 22**

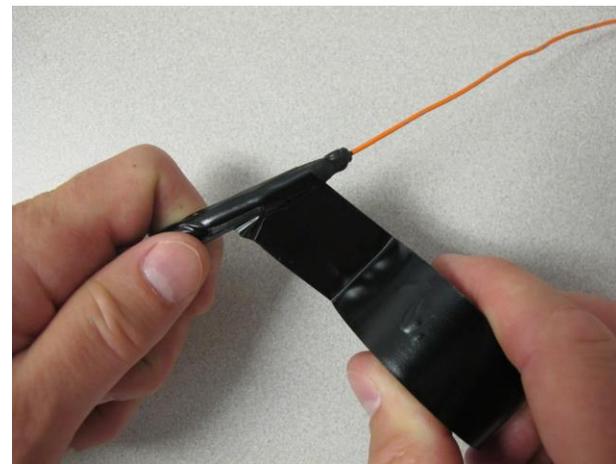
21. Cover the solderless sleeve with butyl tape.

- Cut a 75mm section of butyl tape.
- Completely cover the solder sleeve connector with the butyl tape and approximately 10mm past each end (Figure 23).



**Figure 23**

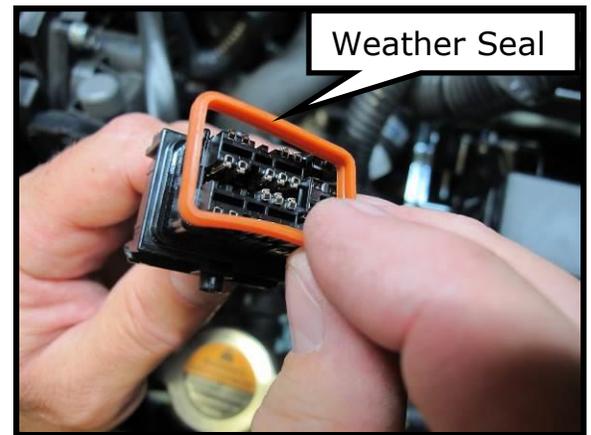
22. Completely cover the butyl covered solder sleeve connector with new black vinyl tape (Figure 24).



**Figure 24**

23. Completely cover the repaired EGI harness area and the remaining exposed ECM harness wires with new black vinyl tape.

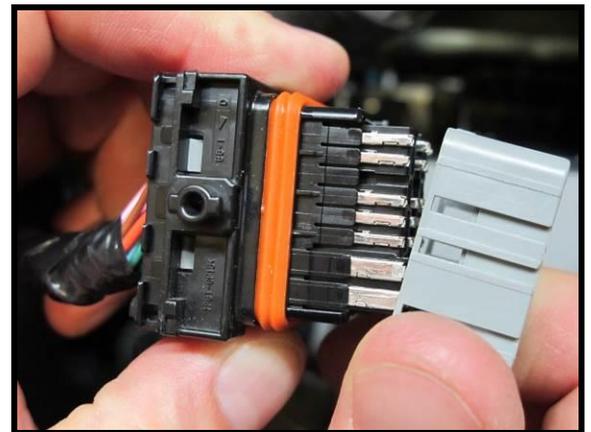
24. Reinstall the orange weather seal to the ECM connector.



**Figure 25**

25. Install the gray terminal cap to the ECM connector (Figure 26).

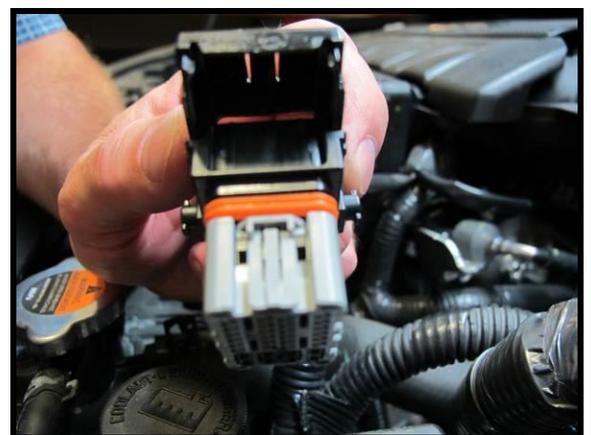
- Correctly orient the cover to the connector and push on.
- Snap on by hand, it will stop at half latch position, continue to push until fully seated.



**Figure 26**

26. Install the black plastic cover (Figure 27).

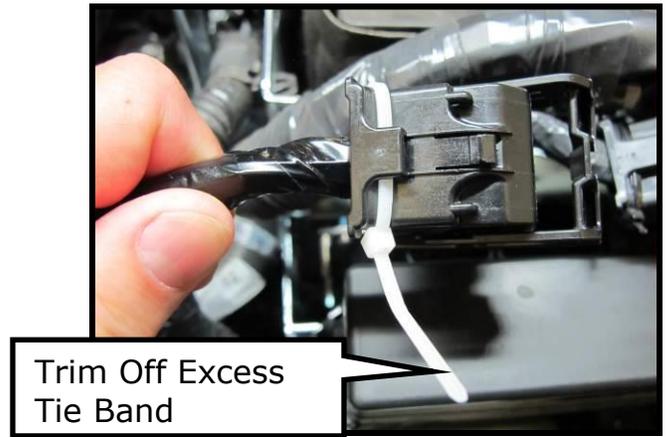
- Slide the black plastic cap onto the ECM connector and snap into place to lock.



**Figure 27**

27. Install a NEW tie band (Figure 28).

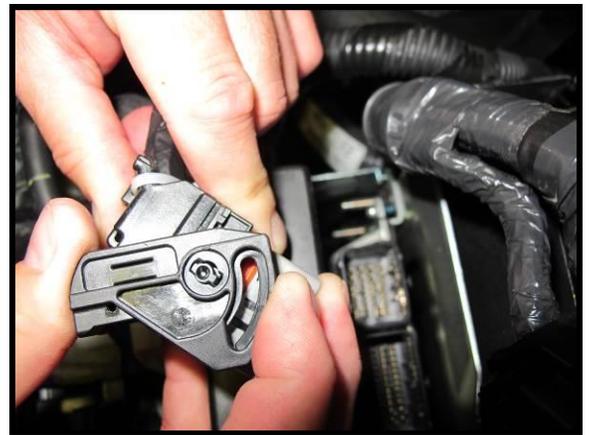
- Trim the excess white tie band with side cutters.



**Figure 28**

28. Install the ECM connector securing lever (Figure 29).

- Line up the securing lever slot to the pivot shaft on both sides of the connector.
- Snap on the securing lever off the connector pivot shafts on both sides.



**Figure 29**

29. Reinstall all three ECM connectors.

- Start by installing the LEFT connector first and work toward the right (Figure 30).
- Fully latch the lock on each connector as it is installed.
- Verify all three connectors are fully seated by gently pulling on them.



**Figure 30**

- 30. Reinstall the negative battery cable.
- 31. Close the vehicle hood.
- 32. Start the engine and monitor the MIL (Malfunction Indicator Light) light in the combination meter. The light should go out after the engine is started verifying the repair has been completed properly.
- 33. Set vehicle clock (if applicable).
- 34. Complete Idle Air Volume Learn (Refer to Electric Service Manual (ESM) EC - Engine Control System for detailed instructions).

**CLAIMS INFORMATION**

**Submit claim using the following claims coding:  
 Work Order Line Type: "CM" Campaign  
 Campaign: PM658**

<b>Claim Type:</b>	CM			
<b>PNC:</b>	PM658			
<b>Symptom:</b>	ZZ			
<b>Diagnosis:</b>	99			
<b>Description:</b>	<b>Op Code</b>	<b>Flat Rate Time</b>	<b>Parts Required on claim</b>	<b>Expense Code Required</b>
Replace EGI Harness Terminal	PM6580	0.5 Hr	Yes	Yes

**EXPENSE CODE:**

<b>Expense Code</b>	<b>Description</b>	<b>Max. Amount</b>
101	Butyl Seal	\$1.50

**Parts Information:**

<b>Part Number</b>	<b>Part Description</b>	<b>Quantity</b>
24009-4AF0A	Harness Repair Kit	1