

 **HYUNDAI**
Technical Service Bulletin

GROUP CAMPAIGN	NUMBER 17-01-051
DATE JULY, 2017	MODEL(S) IONIQ ELECTRIC (AE EV)

SUBJECT: REAR VIEW MIRROR REPLACEMENT FOR BLUE LINK
(SERVICE CAMPAIGN T2F)

*** IMPORTANT**

***** Dealer Stock and Retail Vehicles *****

Dealers must perform this Service Campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair.

When a vehicle arrives at the Service Department, access Hyundai Motor America's "Warranty Vehicle Information" screen via WEBDCS to identify open Campaigns.




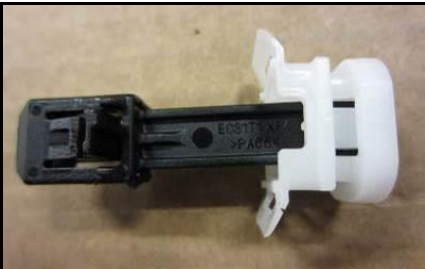
Description: Some 2017 Ioniq Electric (AE EV) vehicles may not be equipped with a Blue Link rear view mirror. A Blue Link rear view mirror is required to operate Blue Link features.

This bulletin describes the procedure to install the Blue Link rear view mirror.



Applicable Vehicles: Certain 2017 Ioniq Electric (AE EV) equipped with Blue Link features.

SUBJECT:**REAR VIEW MIRROR REPLACEMENT FOR BLUE LINK
(SERVICE CAMPAIGN T2F)****Parts Information:**

PART NAME	PART NUMBER	PART IMAGE	DESCRIPTION	QTY.
Blue Link Wiring Kit	91800-G7450QQH		Blue Link mirror and harness connector cover	1
			Blue Link wire harness	1
			Wire joint connector	1
			A-Pillar Fixing Clip	1

Warranty Information:

MODEL	OP. CODE	OPERATION	OP. TIME	CAUSAL PART	NATURE	CAUSE
Ioniq Electric (AE EV)	70C046R1	Blue Link Wiring Rework and Replace Rear View Mirror	0.7 M/H	85101-3Q000	B11	ZZ3

NOTE 1: Submit Claim on Campaign Claim Entry Screen

NOTE 2: If a part is found in need of replacement while performing Service Campaign T2F and the affected part is still under warranty, submit a separate warranty claim using the same Repair Order. If the affected part is out of warranty, submit a Prior Approval Request for goodwill consideration prior to performing the work.

Service Procedure:

REAR VIEW MIRROR REPLACEMENT AND HARNESS ADDITION

1. Confirm the rear view mirror does not have Service Link, Google Search, and SOS buttons.



2. If applicable, record the customer's radio preset stations for AM/FM/XM.
3. Open the hood by pulling on the hood release to access the negative battery terminal.



4. Disconnect the negative battery terminal.

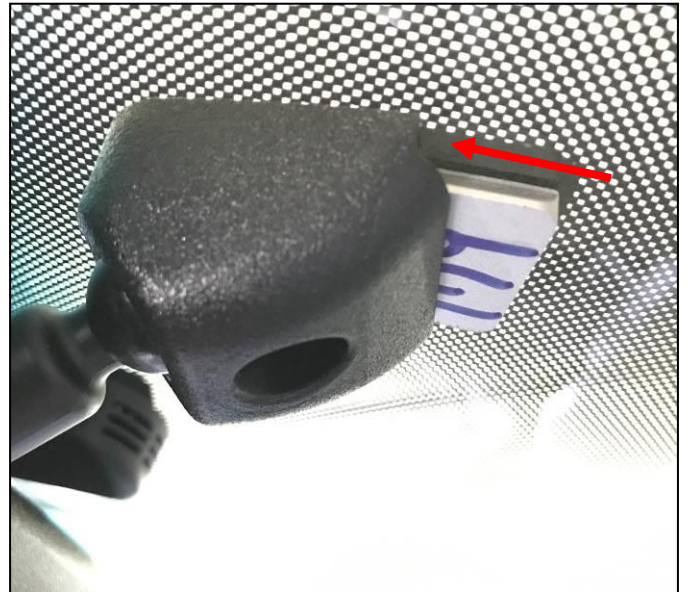
**Negative battery terminal tightening torque:
4.0 ~ 6.0 N.m (0.4 ~ 0.6 kgf.m, 3.0 ~ 4.4 lb-ft)**



5. Use a Torx #20 to remove the screw holding the rear view mirror.



6. Slide the rear view mirror backward to remove it from the metal bracket.



7. Install the Blue Link rear view mirror by aligning it to the bracket and slide forward.

Use Torx #20 and install the screw.

NOTICE

Do not over torque the screw. Hand tightening is adequate.



8. Remove the sunvisor and roof liner clip.

Use a Phillips screwdriver and remove the sunvisor clip.

Use a panel removal tool to remove the headliner clip.



Use a Flathead screwdriver to remove the sunvisor screw cap cover.

Use a Phillips screwdriver and remove the screw.



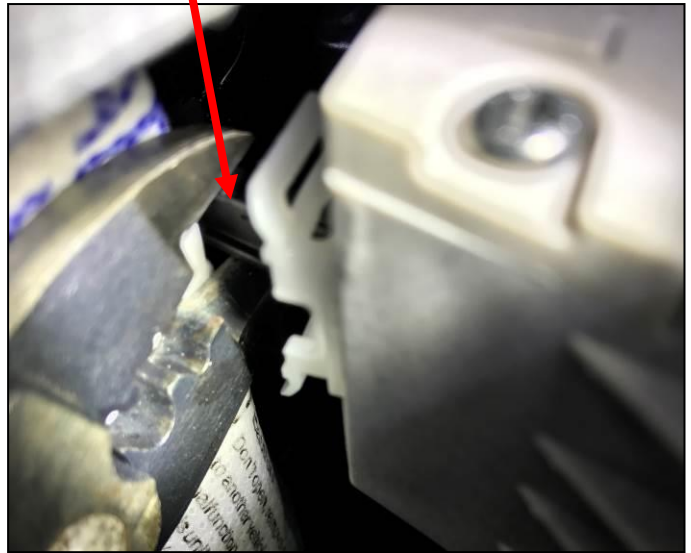
9. Partially remove the top portion of the weather strip.



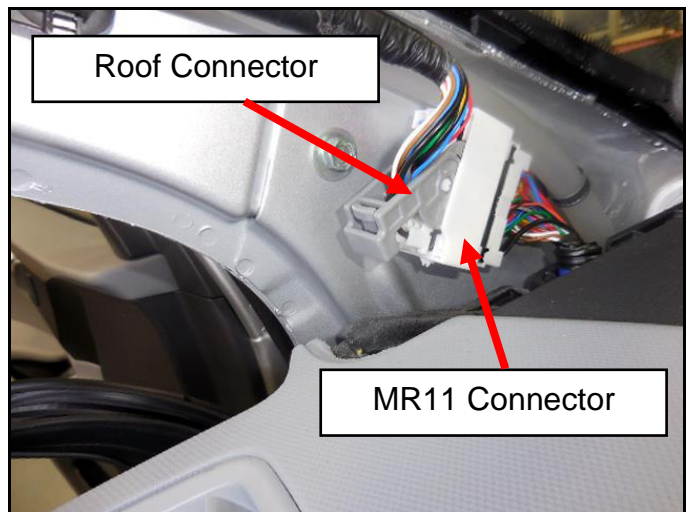
10. Remove the A-pillar cover trim by carefully pulling it outward. Cut the fixing clip using a wire cutter.

⚠ CAUTION

Be extremely careful to not cut the curtain air bag.



11. Disconnect the roof harness connector from the MR11 connector by pressing the gray locking tab and push upward.

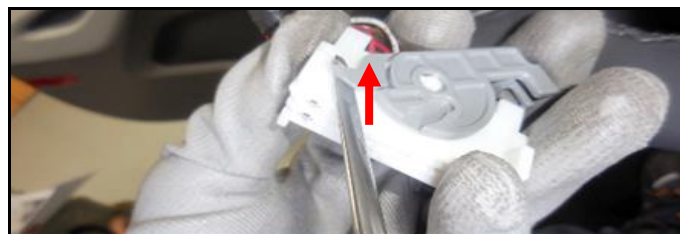


12. Use a panel removal tool and remove the three tabs holding the roof harness on the A-pillar.



13. Remove the gray locking mechanism from the roof harness connector.

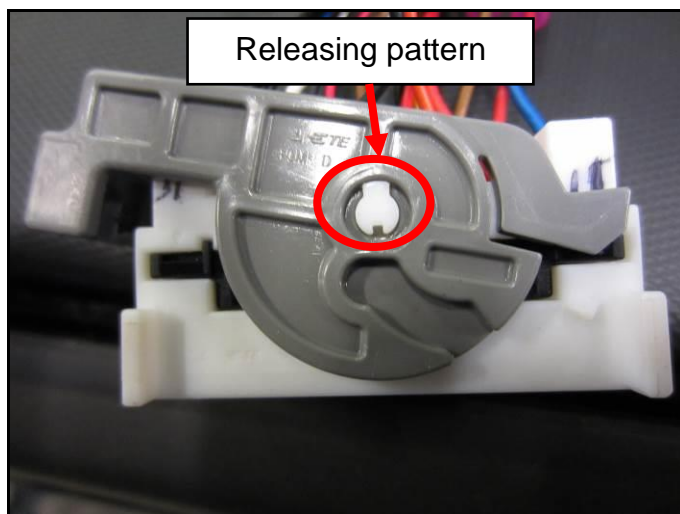
Use a small flathead screwdriver and slightly lift the tab as shown in the picture.



Rotate the gray locking mechanism until it is aligned with the releasing pattern as shown in the picture.



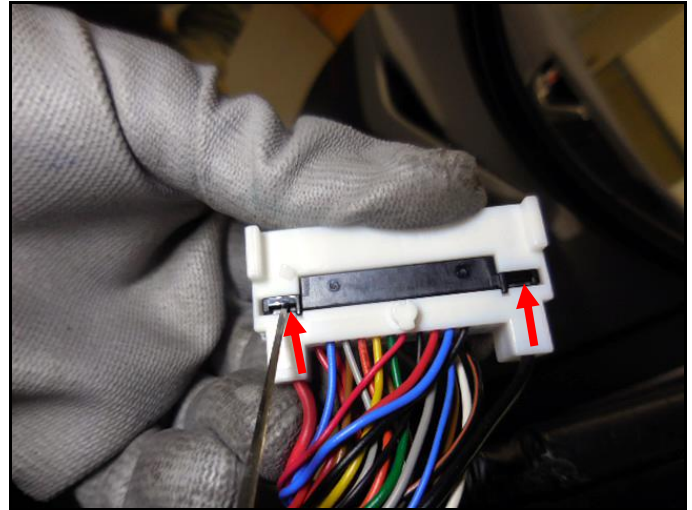
Remove the gray mechanism from the white connector.



14. Use a small Flathead screwdriver and gently lift the black pin locking tabs approximately 2mm upward.

NOTICE

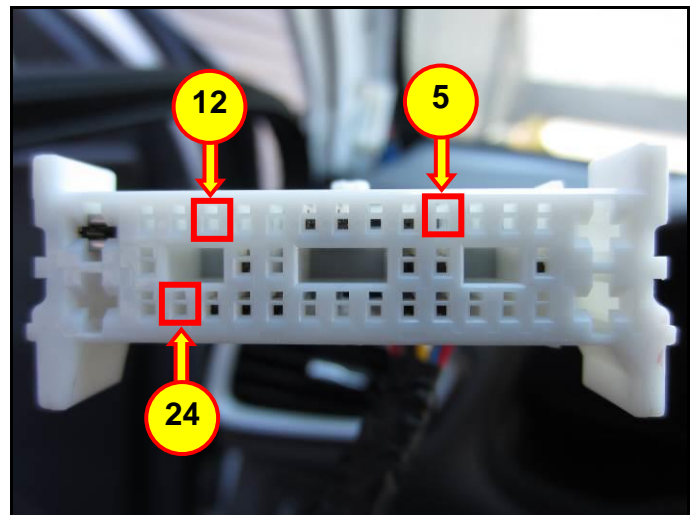
The black pin locking tabs do not need to be completely removed.



15. A total of 3 pins will be inserted into the white connector at pin location number 5, 12, and 24.

NOTICE

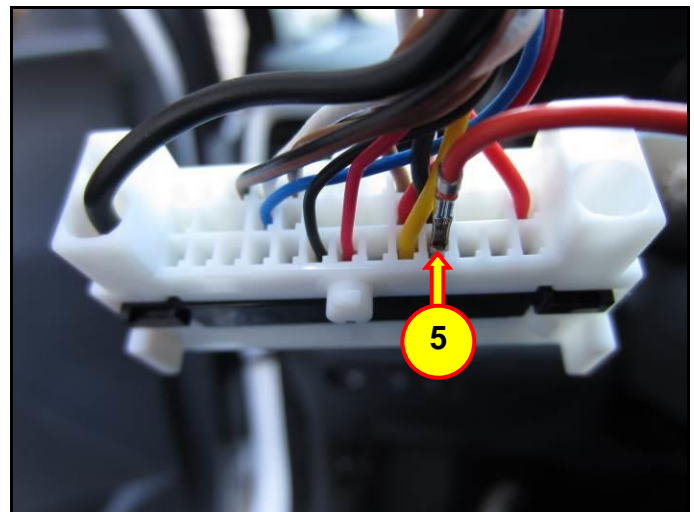
Push the pin into the connector until it is fully seated. Visually compare with other already inserted wires for depth visual.



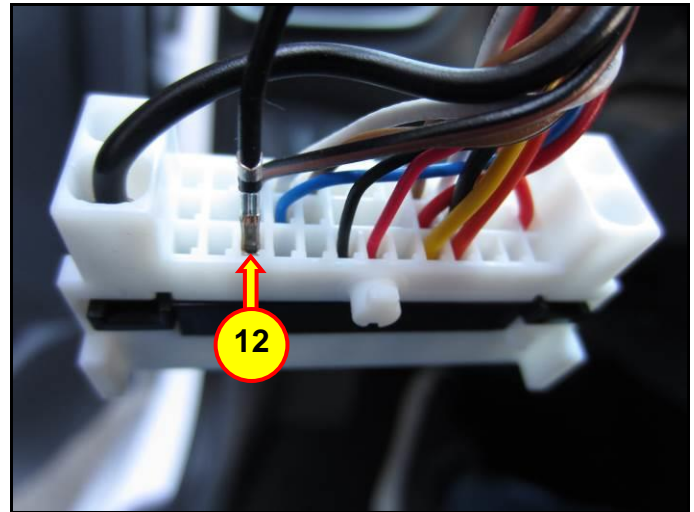
- 15A. Using the Blue Link wire harness from the kit, insert the orange wire into the pin location number 5.

NOTICE

The connector side has the black locking tab.



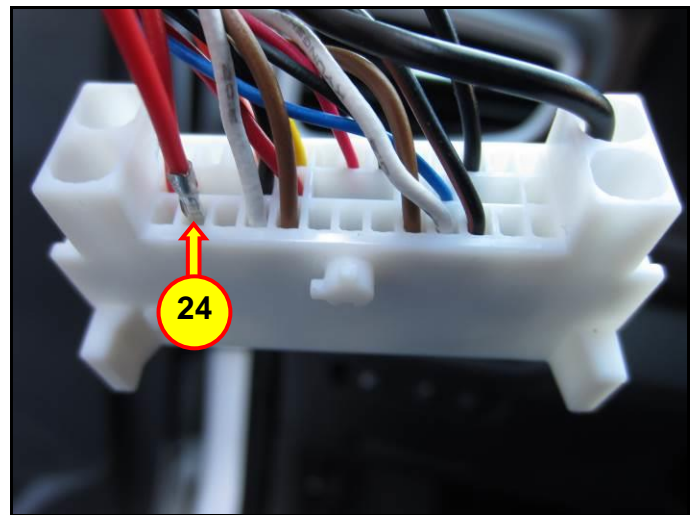
15B. Insert the black wire into the pin location number 12.



15C. Insert the red wire into the pin location number 24.

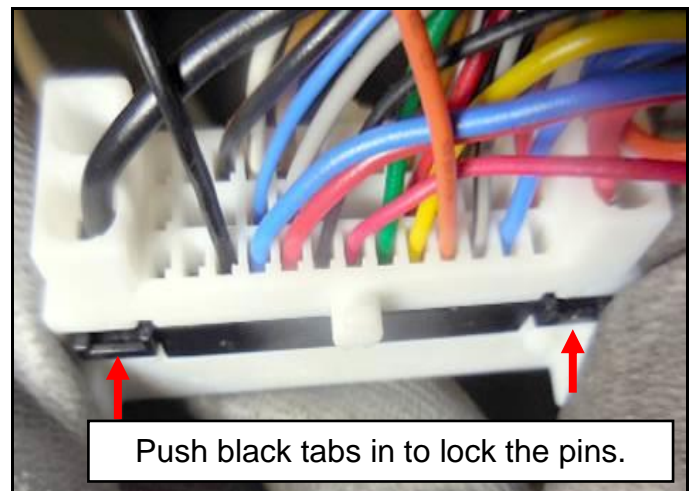
NOTICE

The connector side does not have the black locking tab.



16. Confirm all three wires are installed in the correct position.

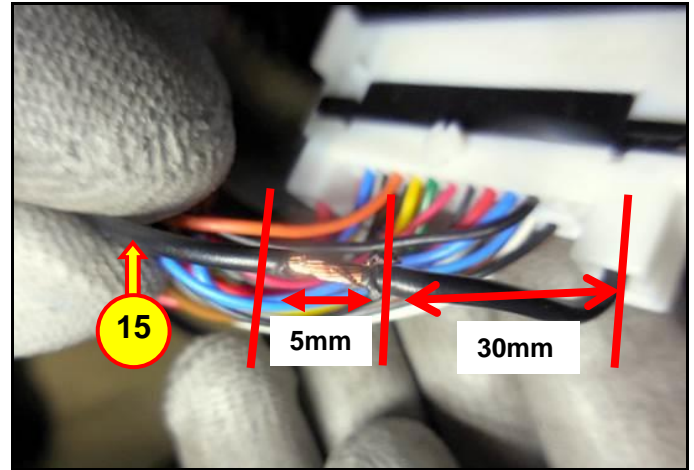
Press the black locking tabs in until it is flushed with the connector as shown in the picture, to lock the pins.



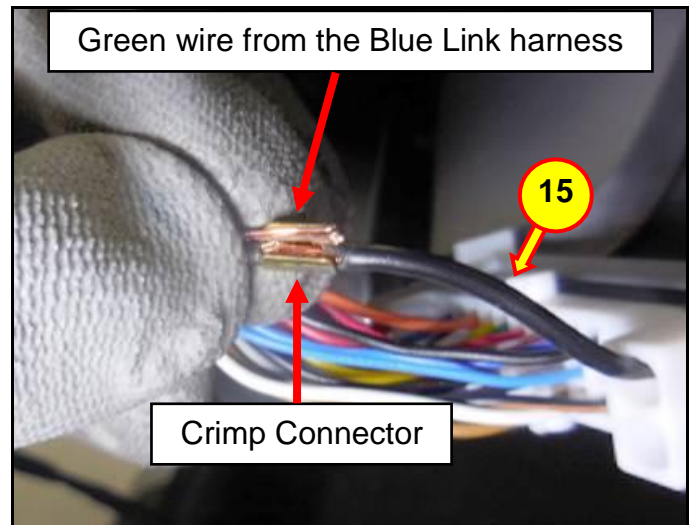
17. From approximately 30mm away of the connector as shown in the picture to the right, use a wire cutter/stripper and strip approximately 5mm of the wire insulation from the black wire at pin number 15.

**CAUTION**

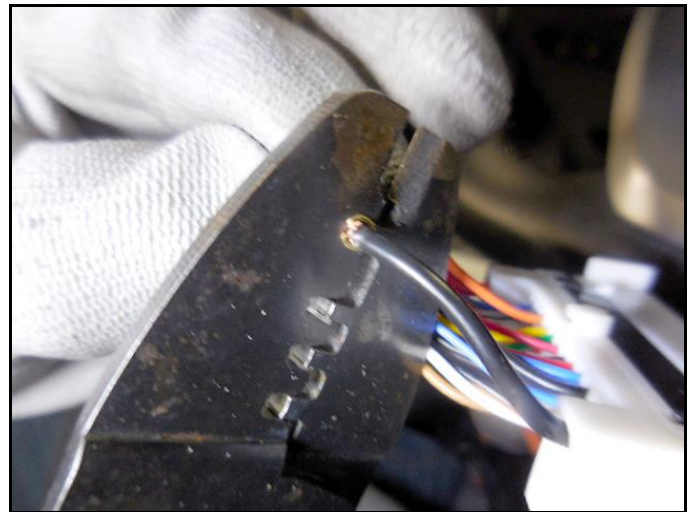
Be extremely careful to not cut the wire.



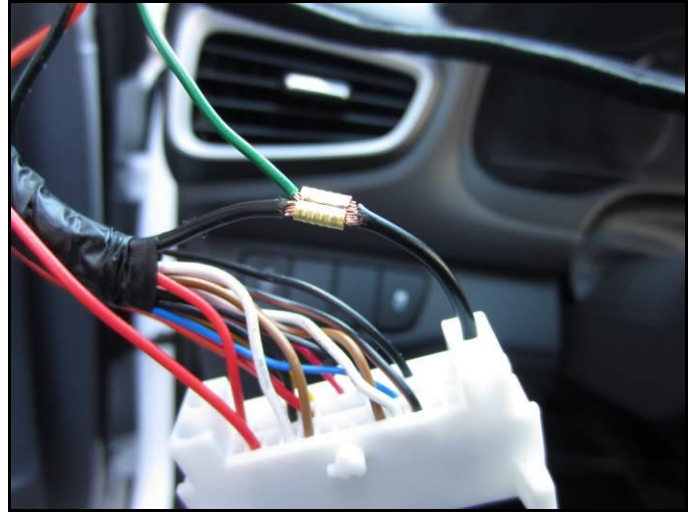
18. Place the green wire from the Blue Link harness in parallel with the pin number 15 black wire in between the crimp connector.



19. Use a crimper to crimp the two wires together as shown in the picture to the right.



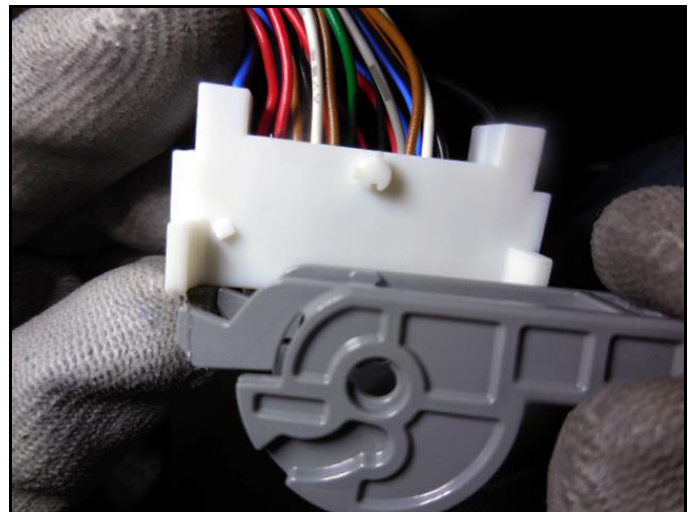
Green wire from the Blue Link harness crimped with the pin number 15 black wire



20. Use black electrical tape and tape around the crimp connector as shown in the picture to the right.



21. Reinstall the gray locking mechanism in reverse order of removal.



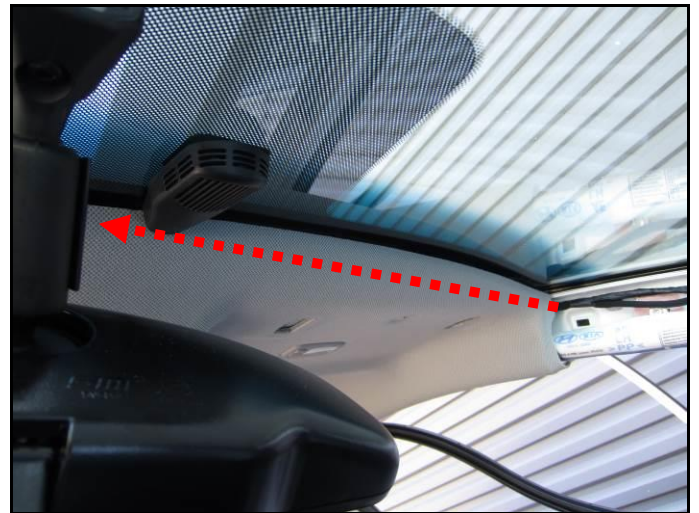
22. Use black electrical tape and tape the Blue Link harness to the roof harness on the A-pillar as shown in the picture to the right.

Reinstall the roof harness connector to the MR11 connector.

Push the three locking tabs in to secure the harness onto the A-pillar.

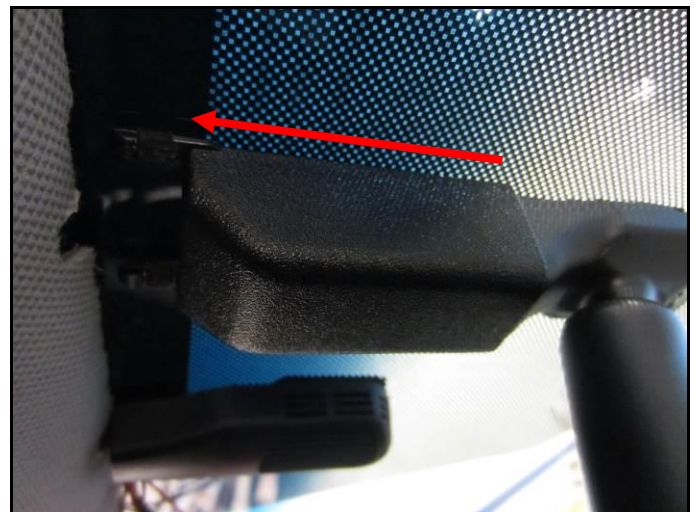


23. Tuck the Blue Link harness under the headliner and run it across to the Blue Link rear view mirror.



24. Connect the Blue Link harness to the Blue Link connector.

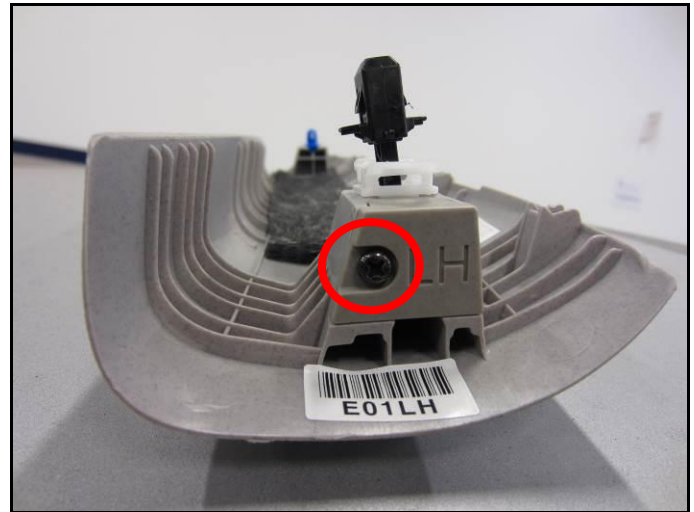
Install the rear view mirror harness cover by pushing the cover inward and slide it toward the headliner.



25. Install all removed parts in reverse order of removal.

NOTICE

Use a Phillips screwdriver to remove the screw and cover to replace the fixing clip.



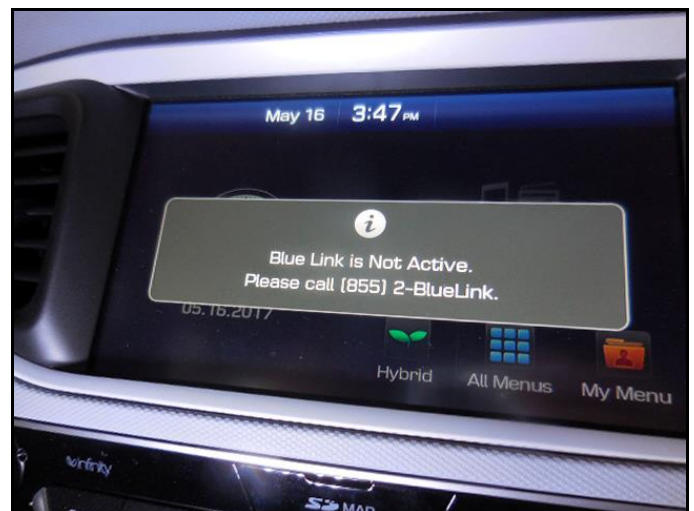
26. Reconnect the negative battery terminal.
27. Turn the ignition ON and confirm no DTC(s) are present.

If a DTC(s) is present, use the GDS to clear the code.

If applicable, clear any DTCs in the Blue Link system per instructions of TSB 12-BE-005-2.

28. If the Blue Link account is active, confirm it is able to connect a call and all three Blue Link buttons are operable.

If the Blue Link account is not active, confirm "Blue Link is Not Active. Please call (855) 2-BlueLink." message appear on the radio screen when any Blue Link button is pressed.



29. If applicable, reprogram the customer's radio presets for AM/FM/XM.