

**HYUNDAI**NEW THINKING.
NEW POSSIBILITIES.**Technical Service Bulletin**

GROUP

BODY ELECTRICAL

NUMBER

16-BE-001

DATE

FEBRUARY 2016

MODEL(S)

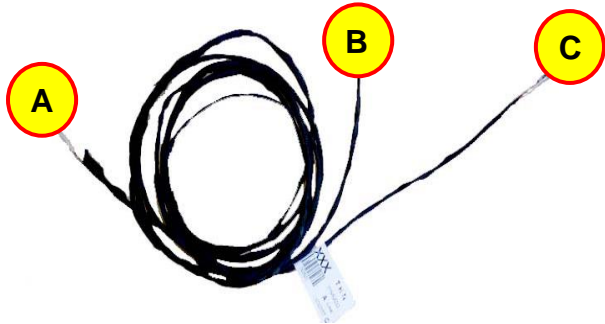

2016 TUCSON (TL)**SUBJECT:** EXTERIOR DOOR HANDLE LIGHT WIRE HARNESS INSTALLATION

Description: On certain vehicles equipped with Illuminated Exterior Front Door Handles, this feature may not operate due to an incorrect wire harness installed at the factory. This bulletin provides the procedure to repair this condition. This bulletin only applies to certain 2016 MY Tucson vehicles originally equipped with the illuminated exterior front door handle feature and is non-operational.

Applicable Vehicles: Certain 2016 Tucson (TL) vehicles (Sport and Limited trim only)

Location (driver and passenger side)	Before Door Handle Light Wire Harness Installation	After Door Handle Light Wire Harness Installation
		

Parts Information:

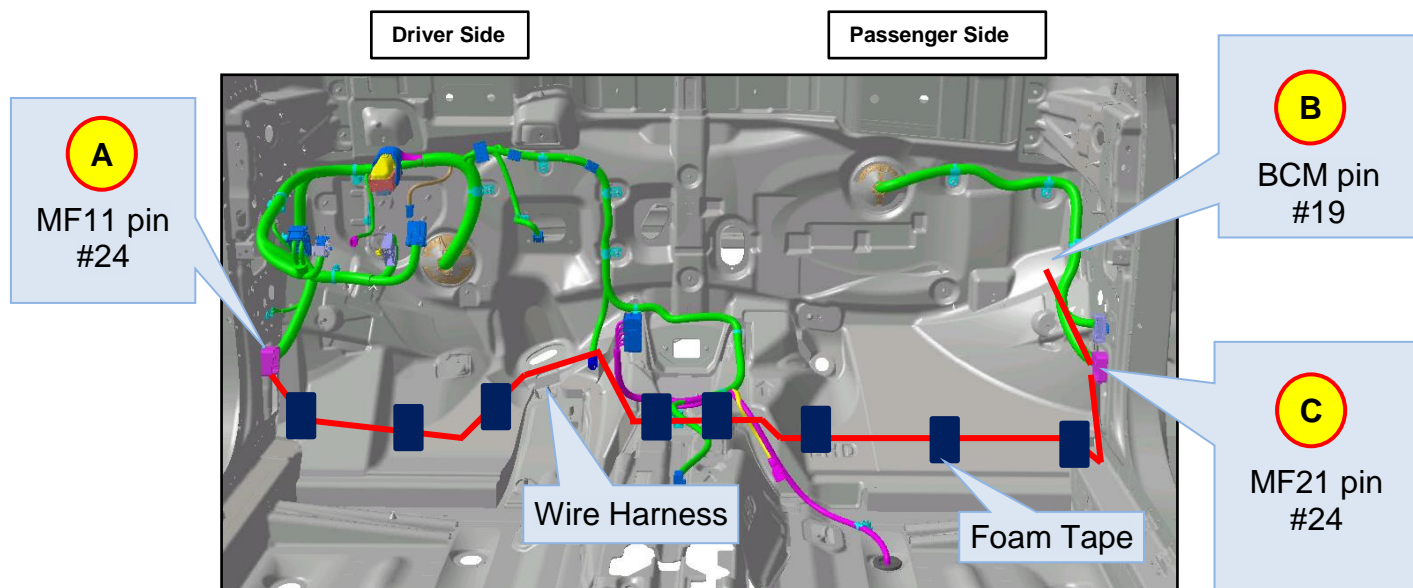
PART NAME	FIGURE / PART NUMBER	REMARK
Exterior Door Handle Light Wire Harness		(a) : Driver side MAIN_FLRS12 (b) : Passenger side BCM_C (c) : Passenger side MAIN_FLRS22
Foam Tape		Size : 40mm x 60mm Quantity : 8 pcs
91110-D3111-FFF REPAIR KIT-WIRE		

Warranty Information:

MODEL	OP CODE	OPERATION	CAUSAL PART	OP TIME	NATURE	CAUSE
Tucson (TL)	91110F03	DOOR HANDLE LIGHT WIRE HARNESS	91110-D3111-FFF	0.8 M/H	I3N	ZZ1

Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

OVERVIEW



Pin Terminal Locations:

A MF11 White Connector pin #24	B BCM White Connector pin #19	C MF21 White Connector Pin #24

Service Procedure:

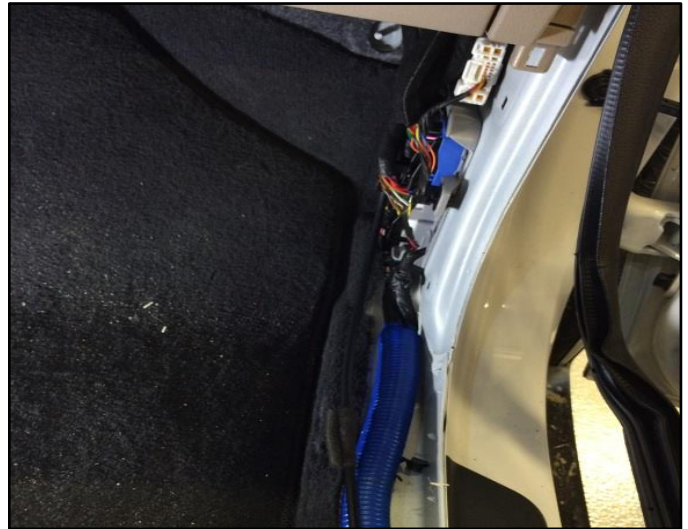
PASSENGER SIDE

1. Disconnect the negative (-) terminal from the battery in the engine room before starting the installation.

Record the customer's radio preset stations for AM/FM/XM.

Access the area on the passenger side to begin the wire harness installation.

Remove the kick panel and floor panel along the passenger side door open area as shown.



2. Remove the cover under the glovebox.

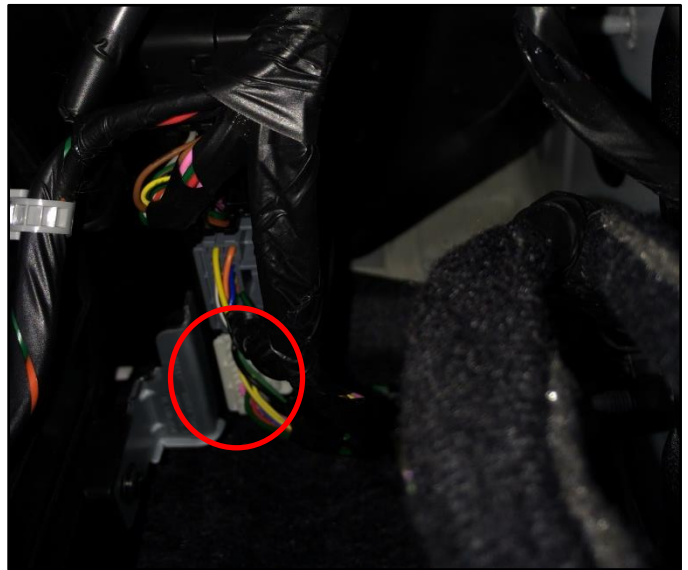


3. Remove the panel located in the bottom center console.

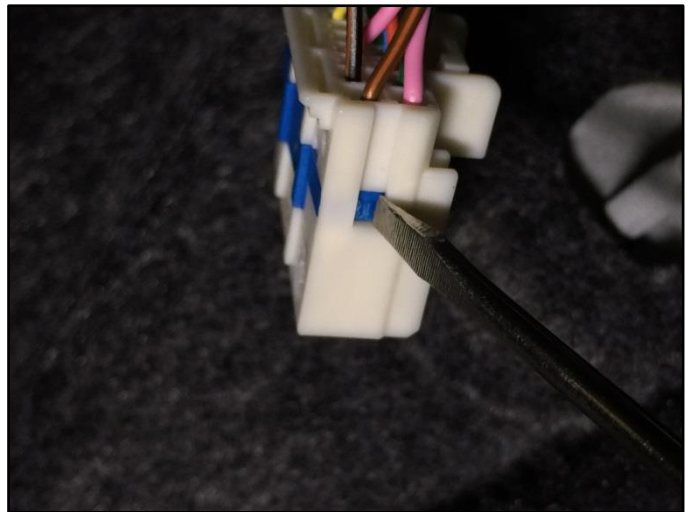


4. Locate the Body Control Module (BCM) on the upper right-hand side of the kick panel behind the glovebox.

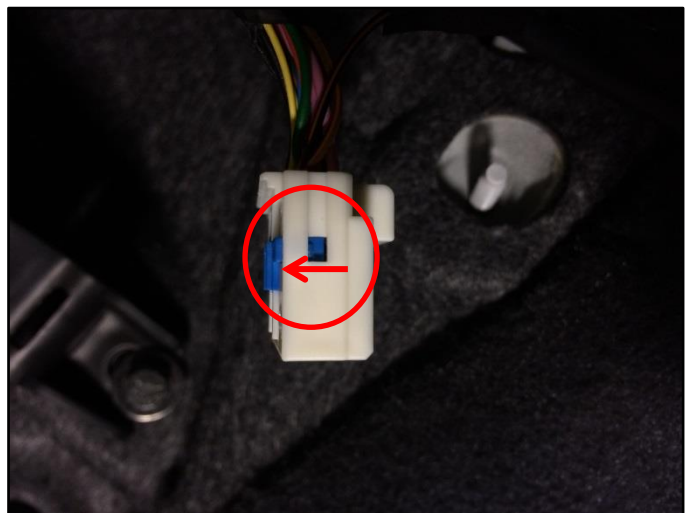
Disconnect the white connector from the Body Control Module (BCM).



5. Using a small flat-head screwdriver, lift the blue locking tab to allow additional terminal pins and wire insertion into the connector.

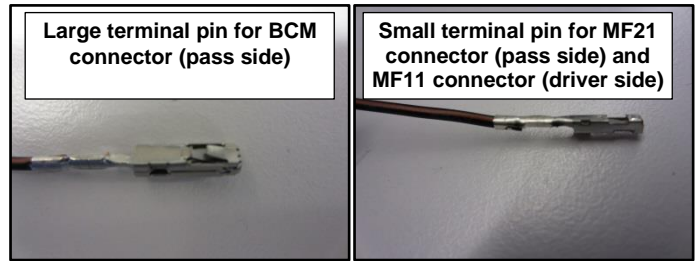


The image to the right shows the connector with the blue locking tab in the lifted position.



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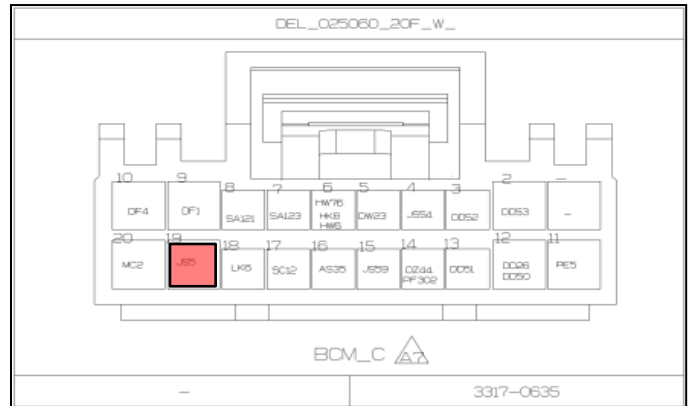
The wire harness has one terminal pin on one side and two terminal pins on the other side. Select the side with the two terminal pins. The large terminal pin from the wire harness will be inserted into the white BCM connector.



6. Locate pin #19 on the white BCM connector and insert the large terminal pin from the wire harness.

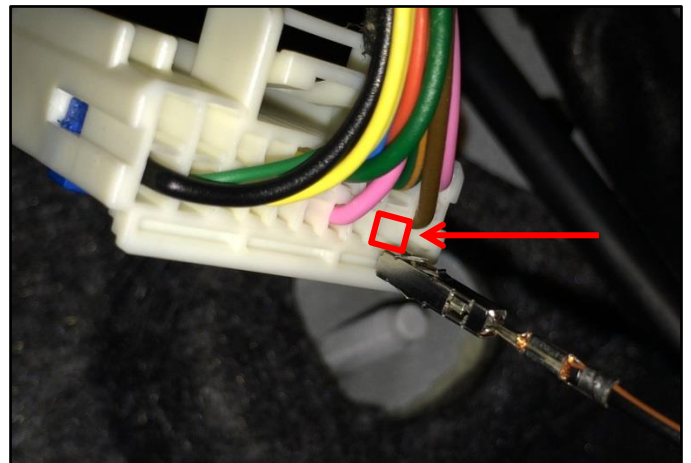
! CAUTION

Ensure the correct terminal pin location (#19) is selected. Inserting the terminal pin into the wrong location can cause damage to the electrical system and is also very difficult to remove.

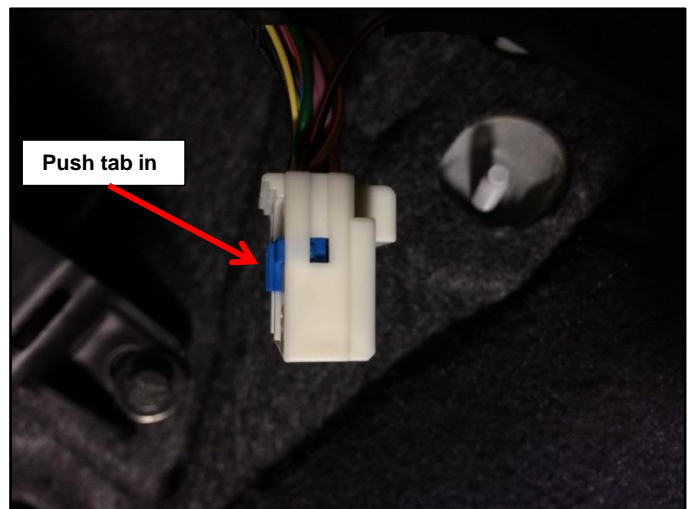


Note the position of the terminal pin location to the wire harness.

The terminal pin should go into the BCM connector easily. There should not be any resistance or strong force required to insert the terminal pin into the connector. If the terminal pin does not insert easily into the connector, then recheck to make sure it is correctly aligned and positioned.

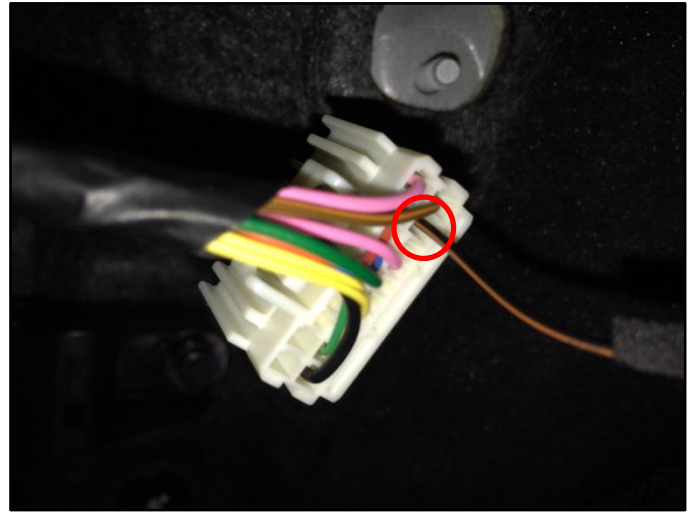


7. Once the terminal pin is fully inserted, press down on the blue locking tab to secure all the pins in the connector.



SUBJECT: EXTERIOR DOOR HANDLE LIGHT WIRE HARNESS INSTALLATION

The image to the right shows the terminal pin and wire from the wire harness inserted into the white BCM connector at location #19.



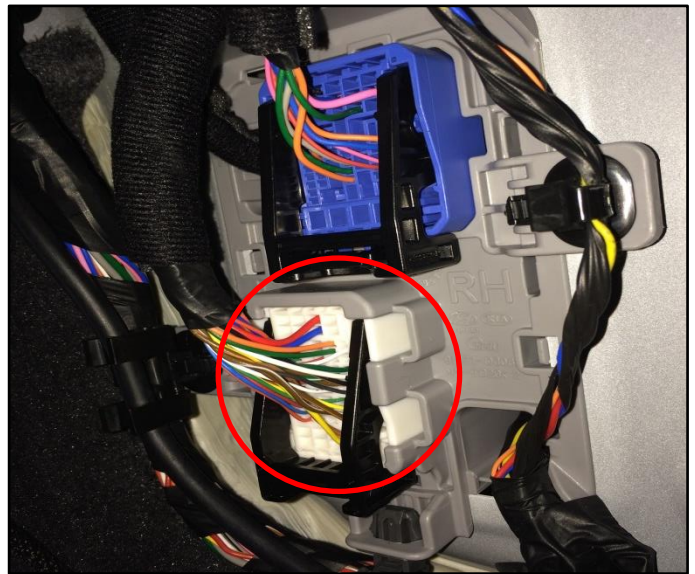
8. Route the wire harness downward toward the passenger kick panel.

Apply tape or a cable tie to secure the door handle light wire harness to the existing factory wire harness near the kick panel.



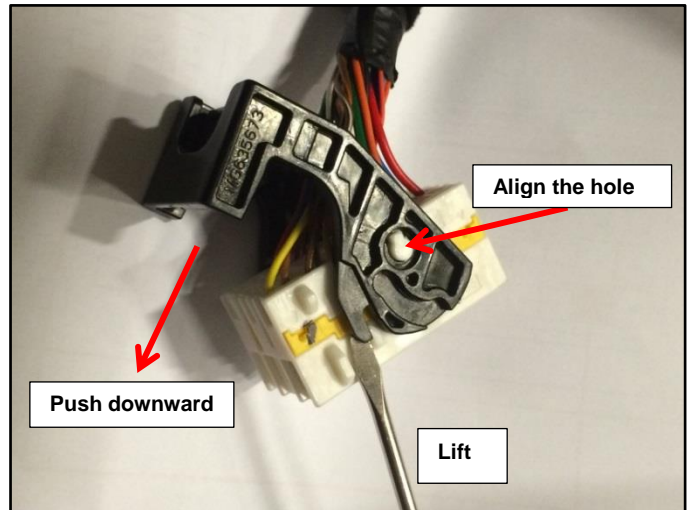
9. Locate the MF21 white connector in the passenger kick panel area.

Unlock the white connector and remove it from the kick panel connector location.

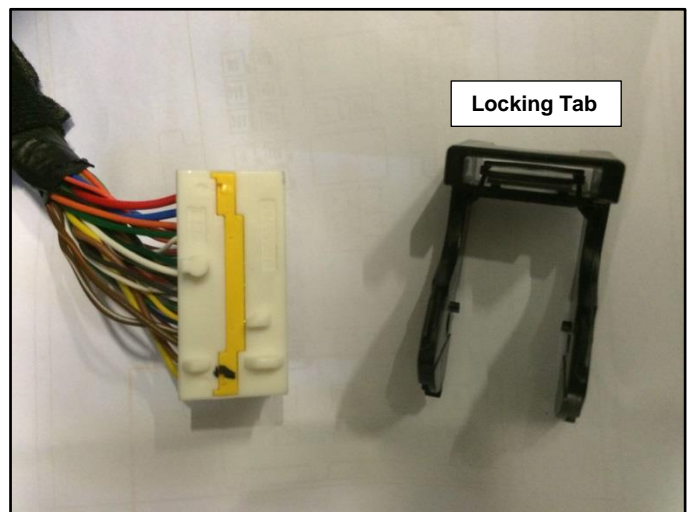


10. Remove the MF21 white connector locking tab.

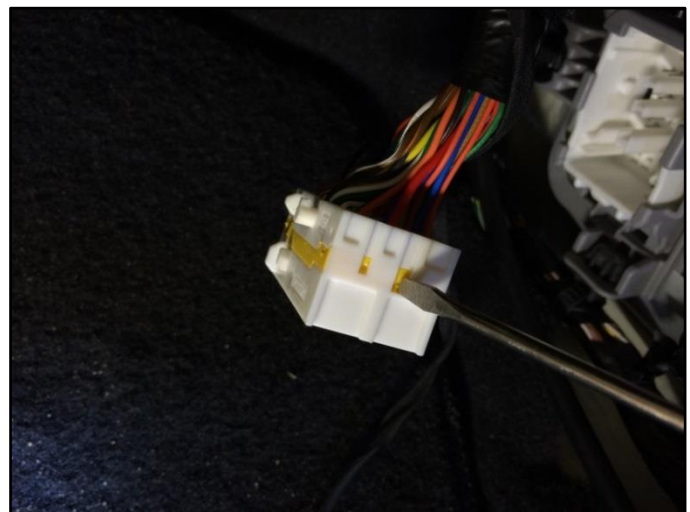
Using a small flathead screwdriver, lift the black locking tab and push downward. Align the tab with the releasing hole and remove it from the connector.



The image to the right shows the locking tab removed from the MF21 white connector.

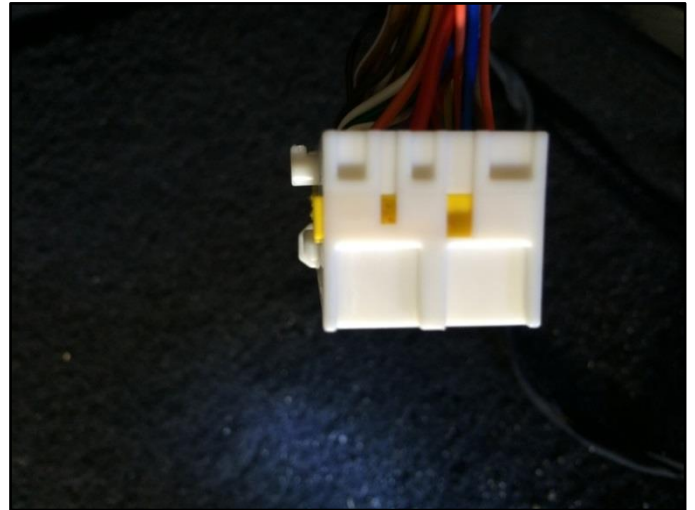


11. Using a small flathead screwdriver, lift the yellow wire locking tab to allow additional terminal pins and wire insertion into the connector.



SUBJECT: EXTERIOR DOOR HANDLE LIGHT WIRE HARNESS INSTALLATION

The image to the right shows the yellow locking tab in the lifted position.

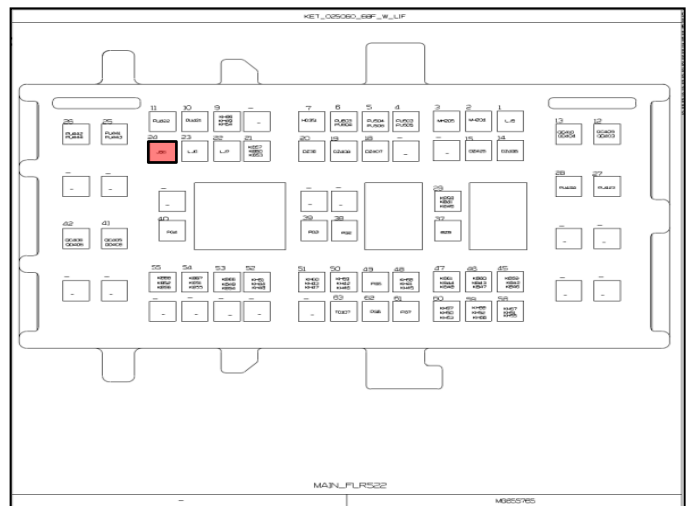


12. Locate pin #24 on the white MF21 connector and insert the small terminal pin from the wire harness into the connector.

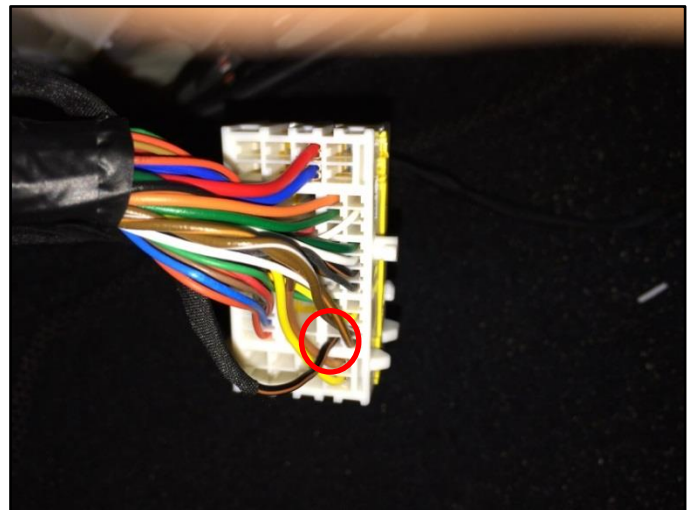


CAUTION

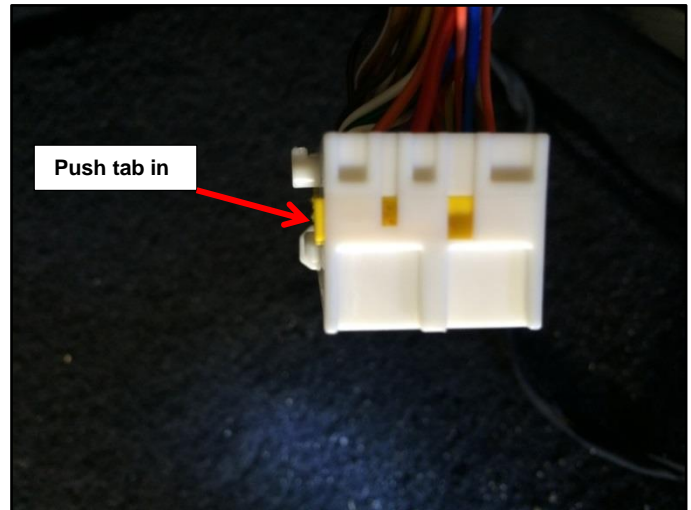
Ensure the correct terminal pin location (#24) is selected. Inserting the terminal pin into the wrong location can cause damage to the electrical system and is also very difficult to remove.



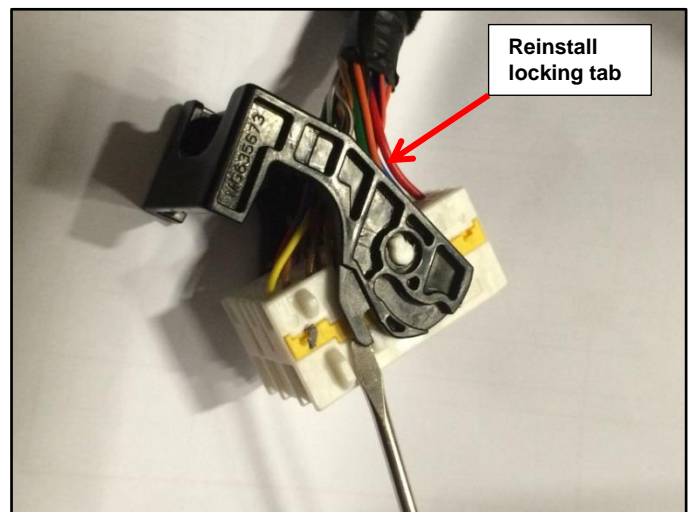
The image to the right shows the terminal pin from the wire harness inserted into the white MF21 connector at location #24.



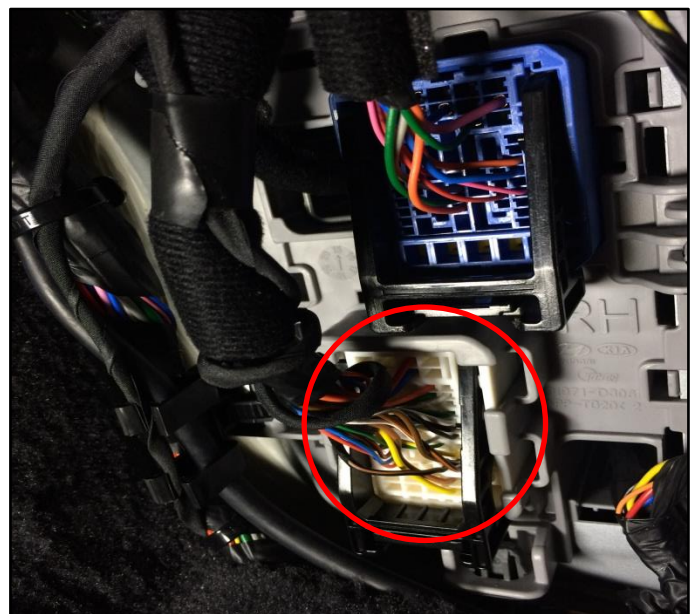
13. Once the terminal pin is fully inserted, press down on the yellow locking tab to secure the pins in the connector.



14. Reinstall the large black locking tab.



15. Plug the white MF21 connector back into the connector location in the kick panel.



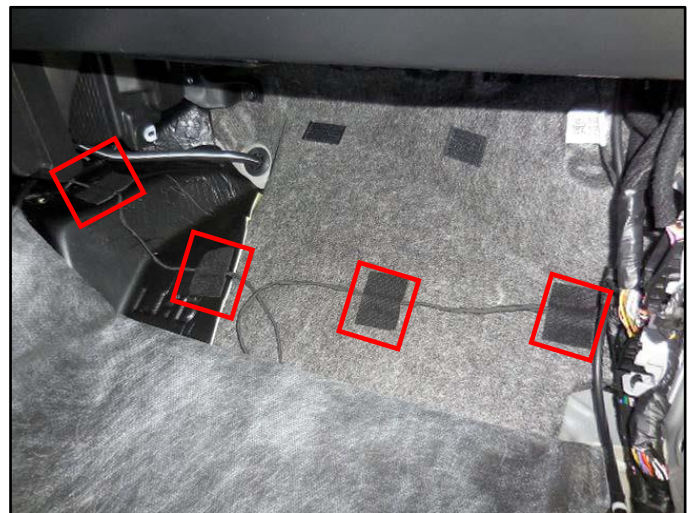
16. Lift the carpet and run the wire harness over towards the driver side through the center console floor as shown in the image to the right.



17. Use the individual pieces of foam tape provided to affix the wire harness to the carpeted floor.

NOTICE

There are total of 8 pieces of foam tape provided in the kit. Apply 4 pieces of foam tape to affix the wire harness on the passenger side and the other 4 for the driver side.



DRIVER SIDE

18. Access the area on the driver side to continue the wire harness installation.

Remove the kick panel trim piece and the floor panel trim piece along the bottom of the driver side door.



19. Remove the cover from the center floor console.

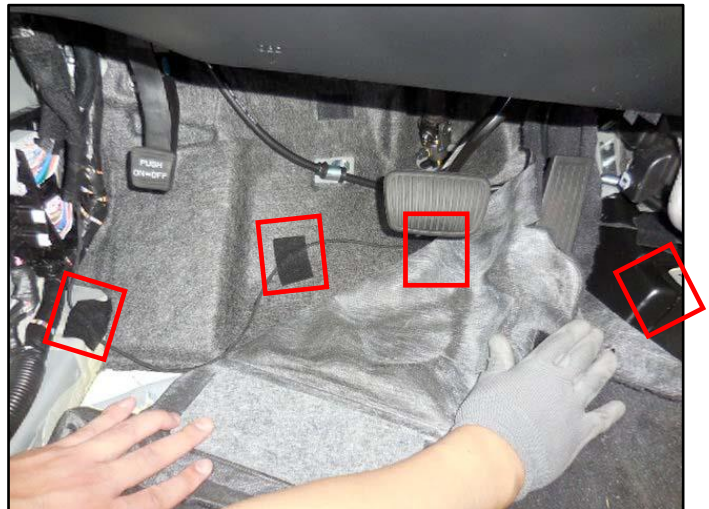


20. Lift the carpet up around the driver side foot pedals.

Pull the wire harness over from the center tunnel area to the driver side and run it underneath the carpet. Route the wire harness under the accelerator pedal harness and behind the accelerator pedal.

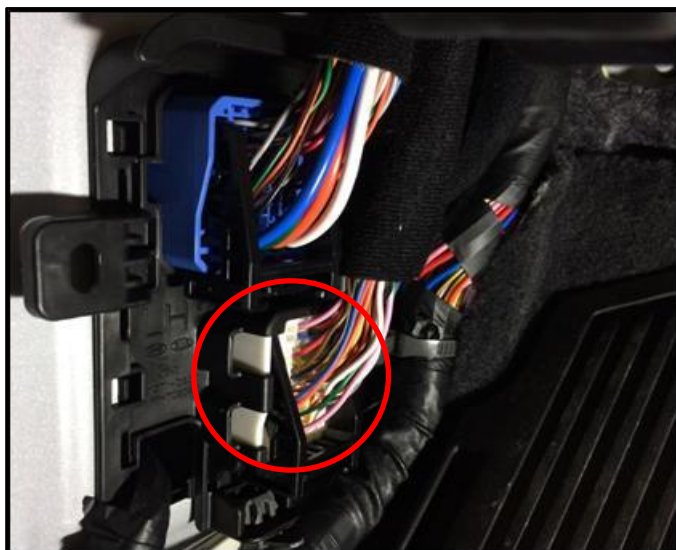


21. Route the wire harness to the driver side kick panel and use the remaining 4 pieces of foam tape to affix the wire onto the carpet as shown in the image.



22. Locate the white MF11 connector in the driver kick panel area.

Unlock the white connector and remove it from the kick panel connector location.



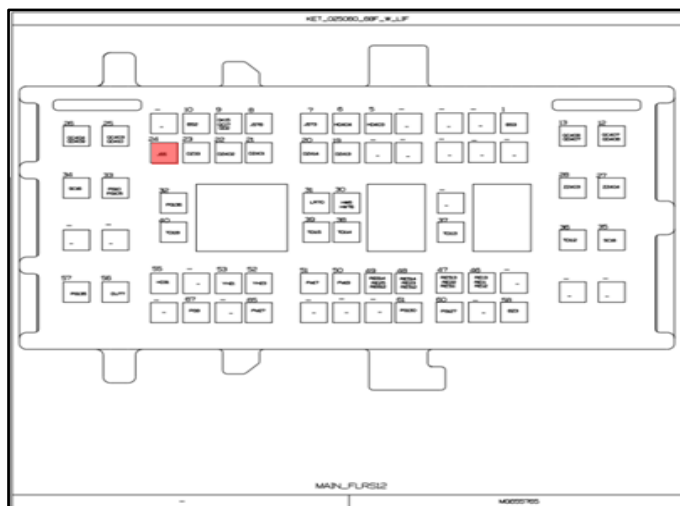
23. Repeat steps (10) and (11) to remove the black locking tab from the connector.

Note the location of pin #24 on the MF11 white connector.

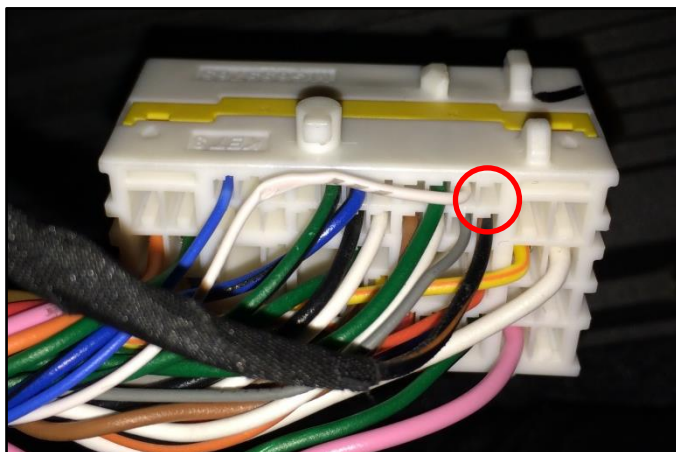
Locate pin #24 on the white MF11 connector and insert the terminal pin from the wire harness.

CAUTION

Ensure the correct terminal pin location (#24) is selected. Inserting the terminal pin into the wrong location can cause damage to the electrical system and is also very difficult to remove.



The image to the right shows the terminal pin from the wire harness inserted into the white MF11 connector at location #24.



24. Reinstall the driver side and passenger side kick panels and floor panels in the reverse order of removal.

25. Reconnect the negative (-) battery terminal.

Reprogram the customer's radio preset stations for AM/FM/XM.

26. Perform a function test to confirm operation of the Exterior Door Handle Lights on both the driver side and the passenger side.

Verify in the driver information LCD display in the User Settings menu that the Welcome Light function is selected.



27. Verify that after all the doors and liftgate are closed and locked, the door handle light will come on for about 15 seconds if any of the following is performed:

- When the door unlock button is pressed on the smart key fob.
- When the button of the outside door handle is pressed.
- When the vehicle is approached with the smart key fob in possession

