

Document ID: 3942123

Navigation Antenna Coaxial Cable Package Installation

Installation Instructions Part Number

23497542

Kit Contents

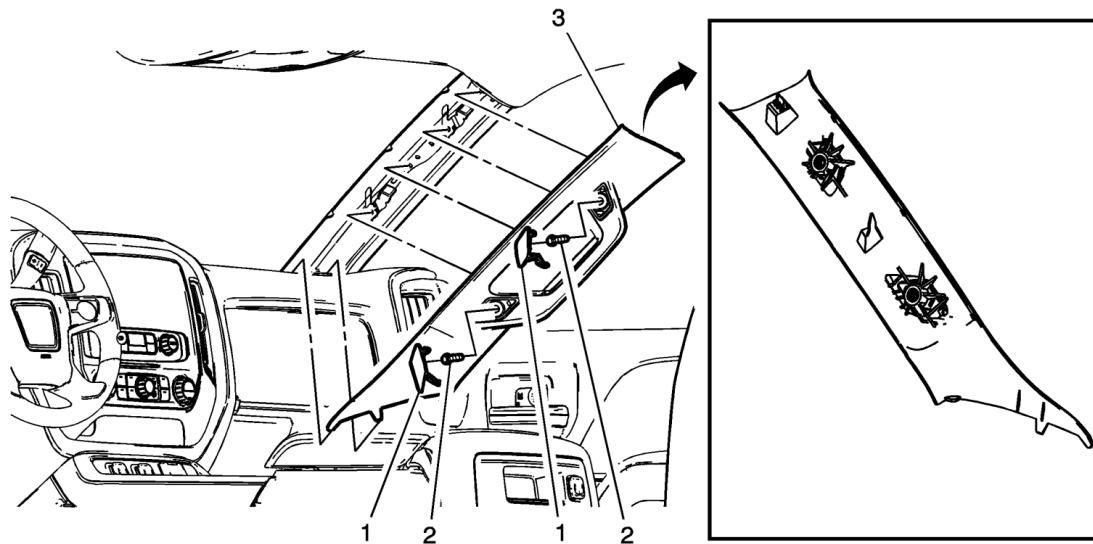
Qty	Description	Part Number
1	Cable ASM - Navigation Antenna Coax PKG	23497538
1	Cable ASM - Navigation Antenna Coax	23497539
1	Cable ASM - Navigation Antenna Coax	23497540
1	Cable ASM - Navigation Antenna Coax	23497541
1	Adapter - Wiring Harness Connector	23228496
1	Adapter - Wiring Harness Connector	13589365
1	Strap ASM - Wiring Harness	19243085
1	Module ASM - HMI Control	23493430 (MY15)* or 23228496 (MY15)** 23364950 (MY16)
1	Label - Dealer Accessory	23497543
1	Splitter	20960972

Qty	Description	Part Number
1	Cable ASM - Navigation Antenna Coax Kit	23231646 (MY15)* or 84000725 (MY15)** 23284211 (MY16)

* associated with accessory kit part number 23231646

** associated with accessory kit part number 84000725

Procedure



Note: Please review the entire procedure before trying to perform it.

1. Disable the SIR system. Refer to Vehicle Service Manual.
2. Remove the right windshield pillar assist handle covers (1).

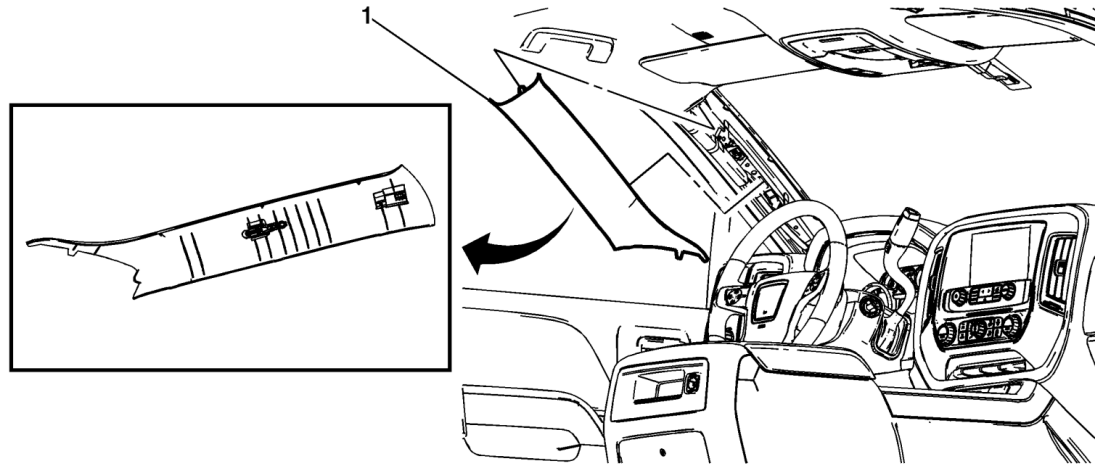
3. Remove the right windshield pillar assist handle fasteners (2).

Tighten

Upon reassembly, tighten the right windshield pillar assist handle fasteners to 9 N.m (80 lb in).

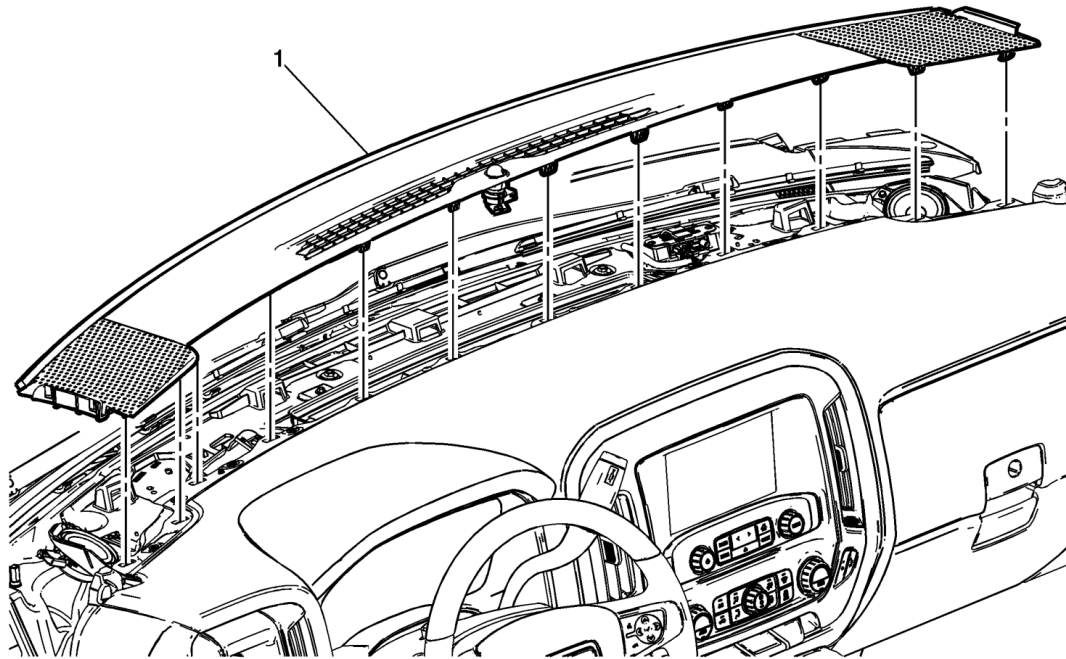
4. Disengage the retainers and remove the right windshield garnish molding assembly (3).

Note: Upon reassembly ensure the tab is fully seated in I/P upper trim panel prior to engaging upper retainer.

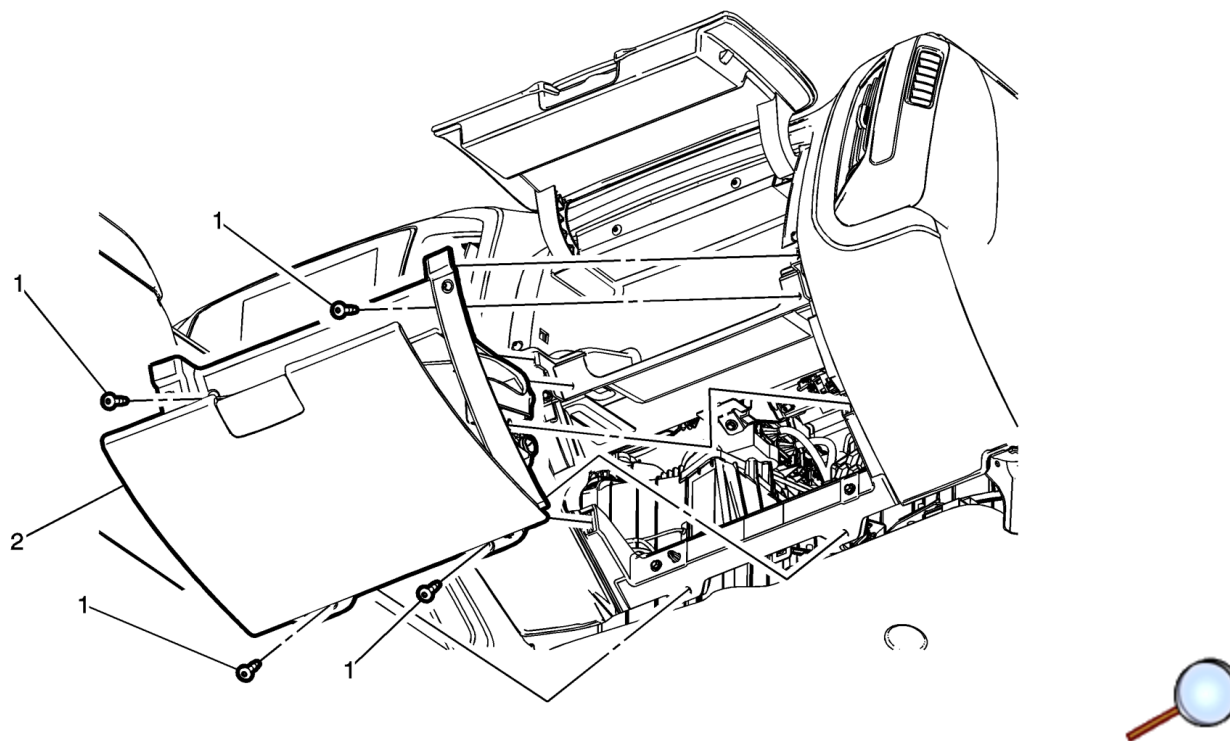


5. Disengage retainers and remove the left windshield garnish molding assembly (1).

Note: Upon reassembly the tether clip at the center portion of the left garnish molding must be replaced.



6. Using a flat-bladed plastic trim tool, release the 12 retainers securing the instrument panel extension (1) to the upper instrument panel.
Disconnect any electrical connectors.



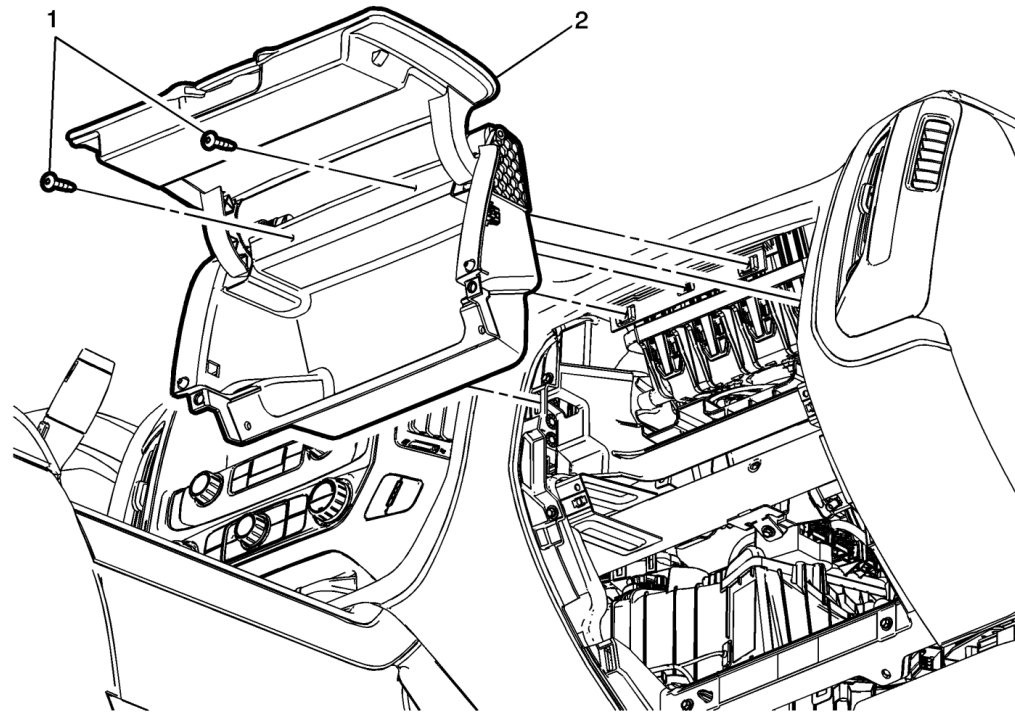
Caution: Use the correct fastener in the correct location. Replacement fasteners must be the correct part number for that application. Fasteners requiring replacement or fasteners requiring the use of thread locking compound or sealant are identified in the service procedure. Do not use paints, lubricants, or corrosion inhibitors on fasteners or fastener joint surfaces unless specified. These coatings affect fastener torque and joint clamping force and may damage the fastener. Use the correct tightening sequence and specifications when installing fasteners in order to avoid damage to parts and systems.

7. Remove the instrument panel compartment bolts (1).

Tighten

Upon reassembly, tighten the instrument panel compartment bolts to 2.5 N.m (22 lb in).

8. Using a flat-bladed plastic trim tool, release the retainer clips securing the instrument panel compartment (2) to the instrument panel assembly.

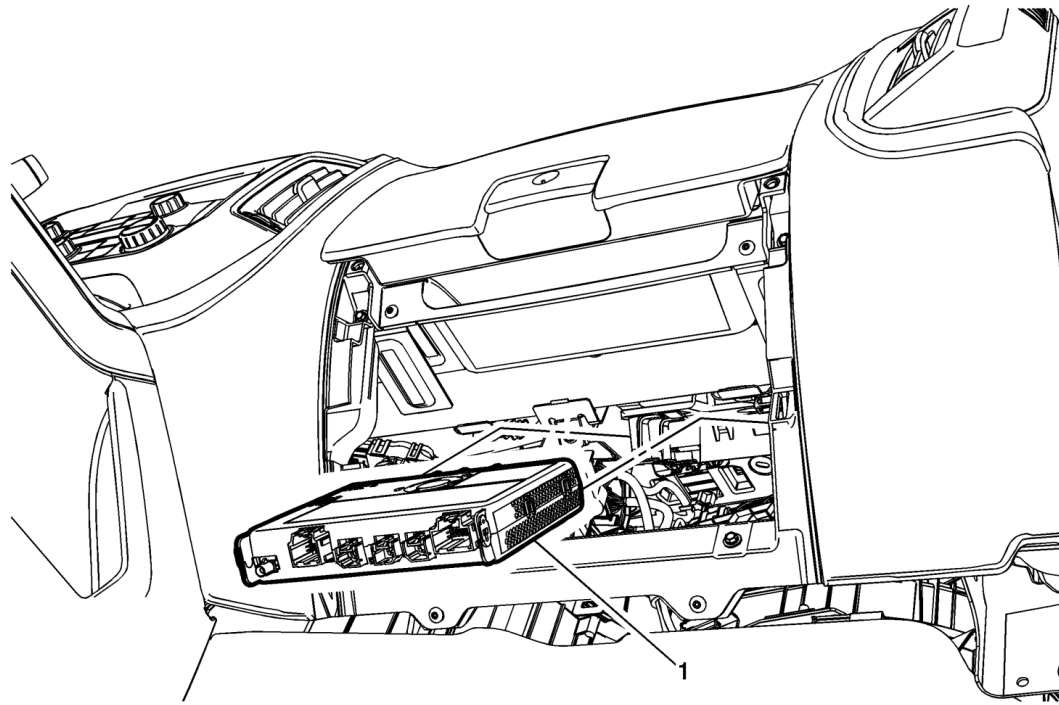


9. Remove the instrument panel upper compartment bolts (1).

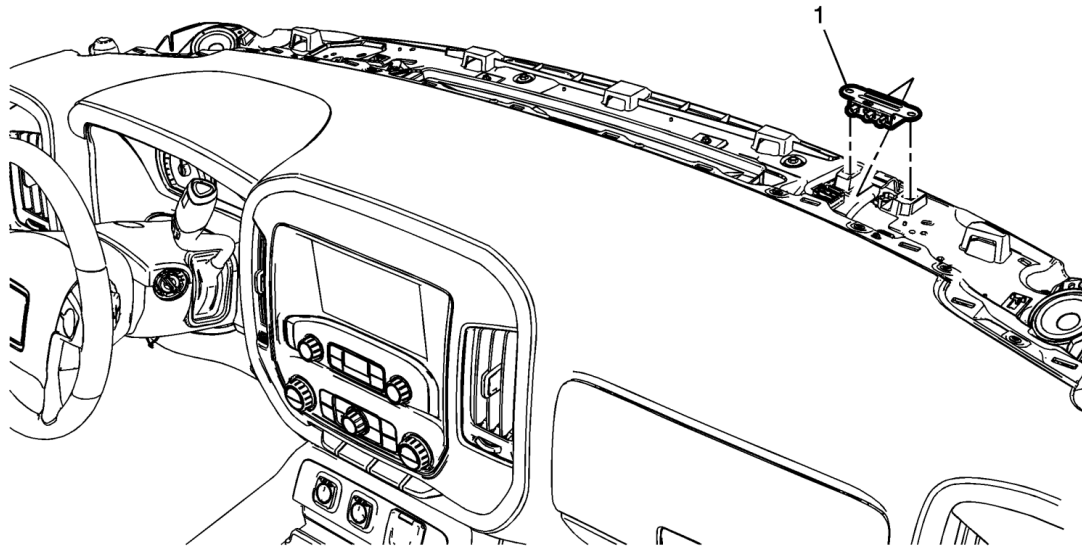
Tighten

Upon reassembly, tighten the instrument panel upper compartment bolts to 2.5 N.m (22 lb in).

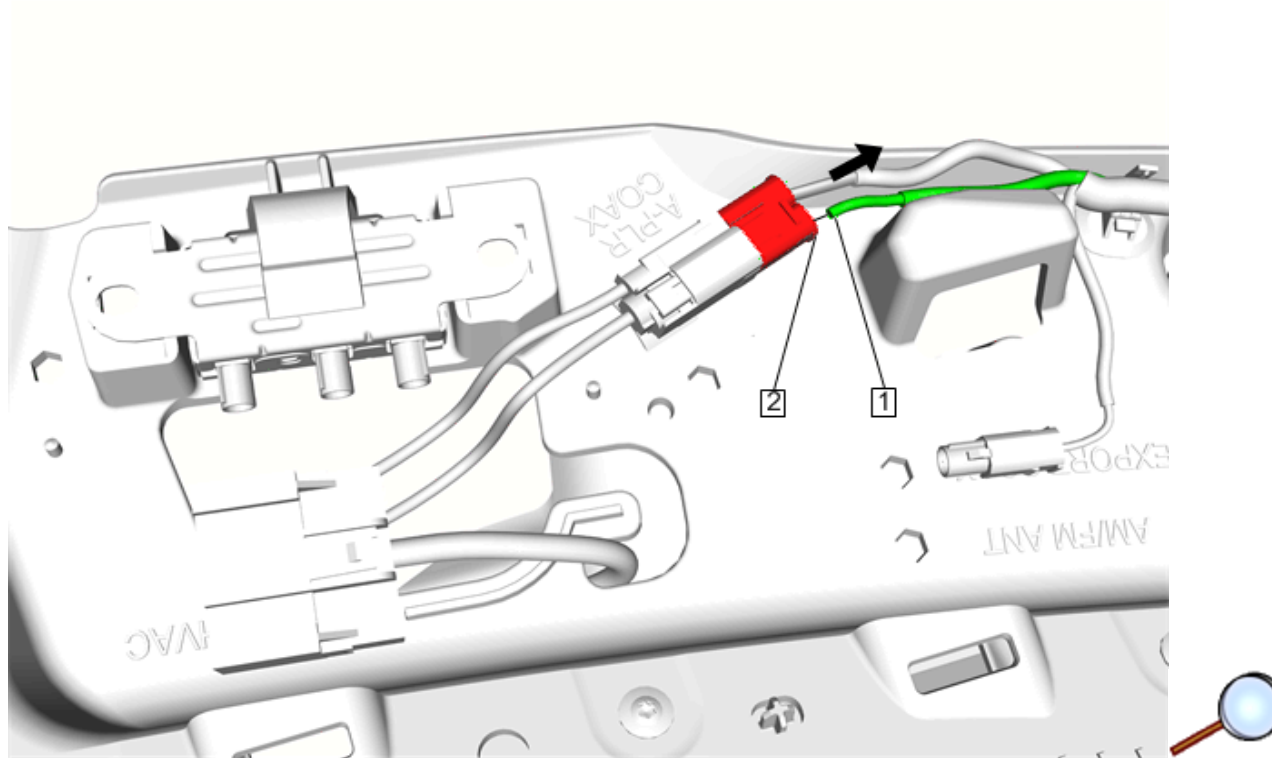
10. Using a flat-bladed plastic trim tool, release the retainer clips securing the instrument panel upper compartment (2) to the instrument panel assembly.



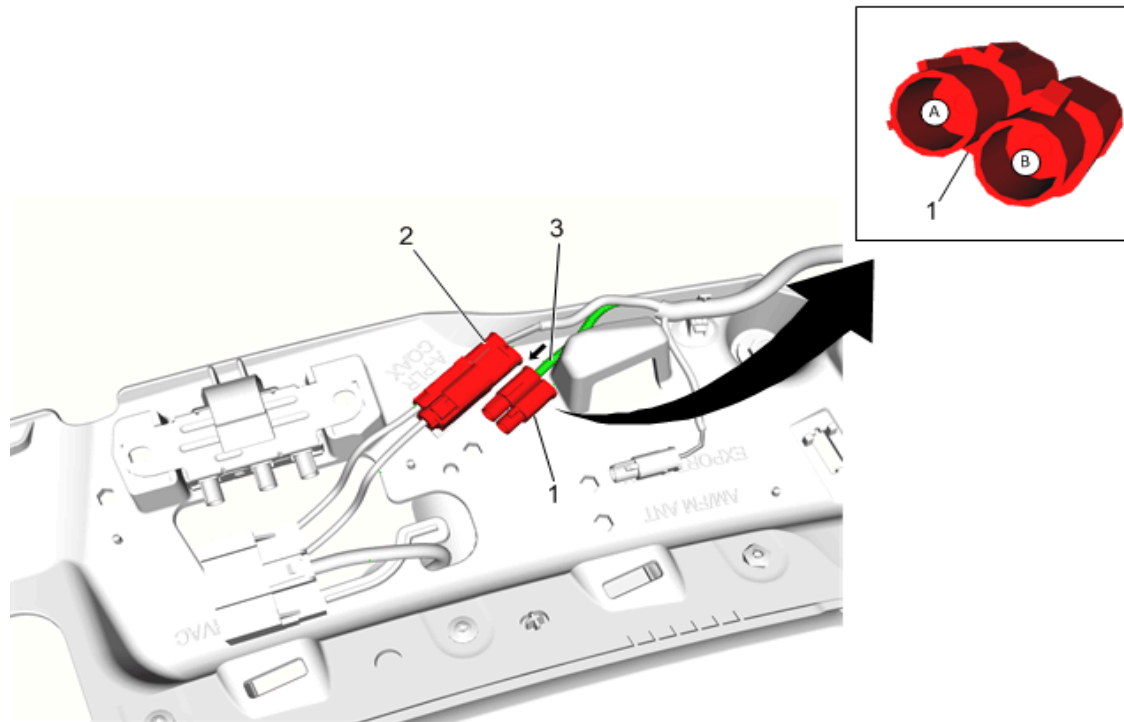
11. Disconnect the electrical connections from the factory installed HMI module (1).
12. Slide the factory installed HMI module rearward to release from bracket.
13. Install the replacement HMI module P/N 23431262 in reverse order and connect electrical connections.



14. Install navigation splitter (1) P/N 20960972 to retaining tabs on bracket.

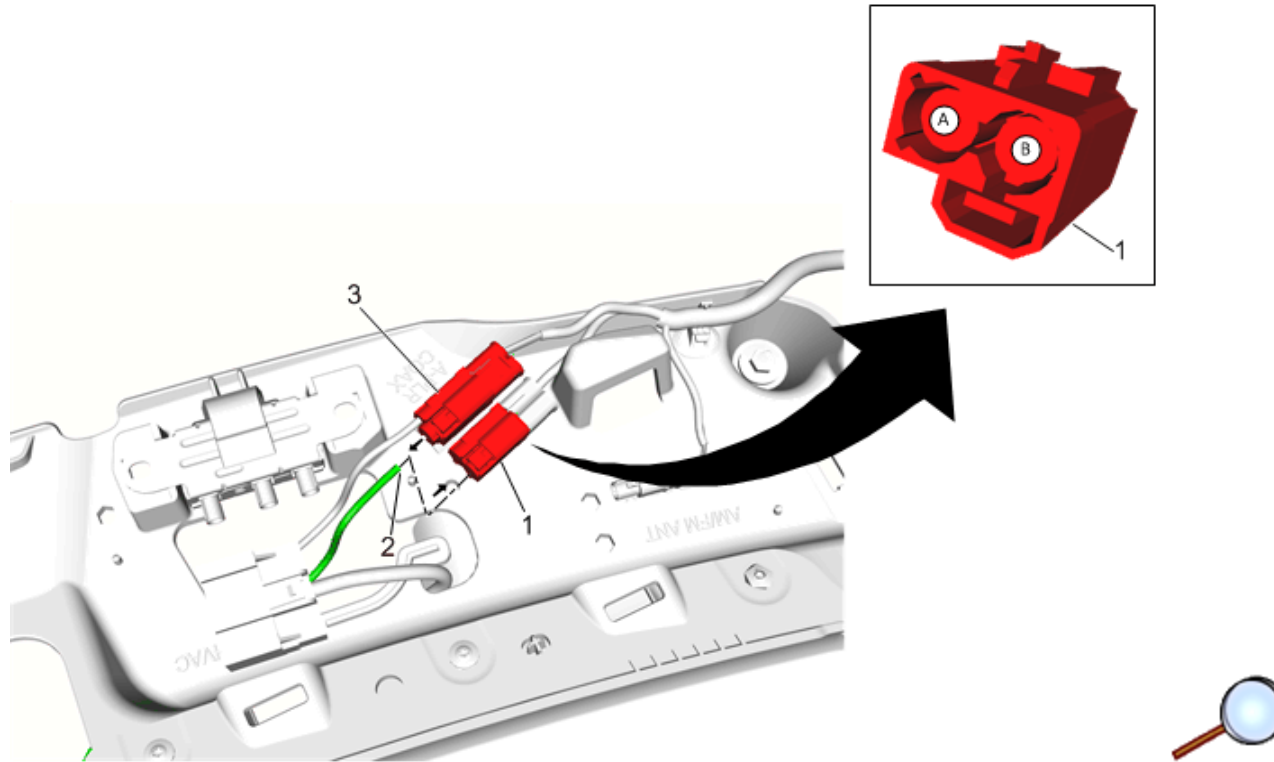


15. Unseat terminal (1) from cavity 2 of A-pillar harness connector (2).

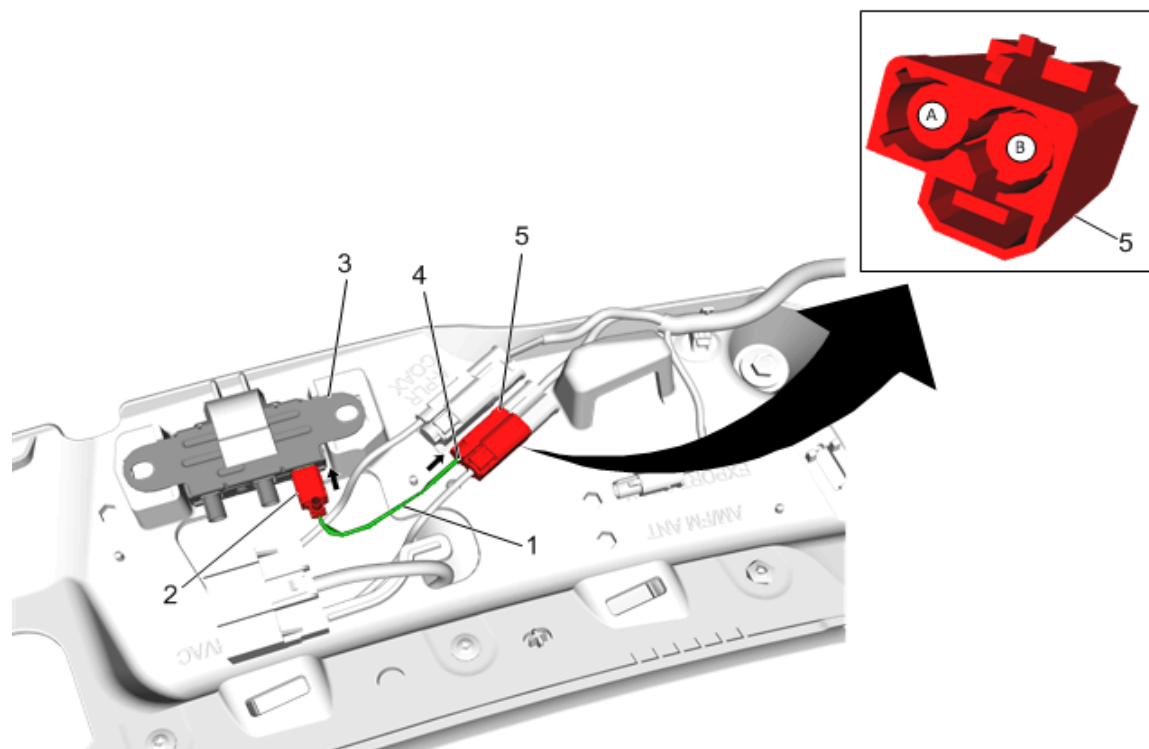


16. Position connector from kit (1) P/N 13589365 next to current A-pillar harness connector (2) and insert previously removed terminal (3) into cavity 1 (A) of connector (1) P/N 13589365.

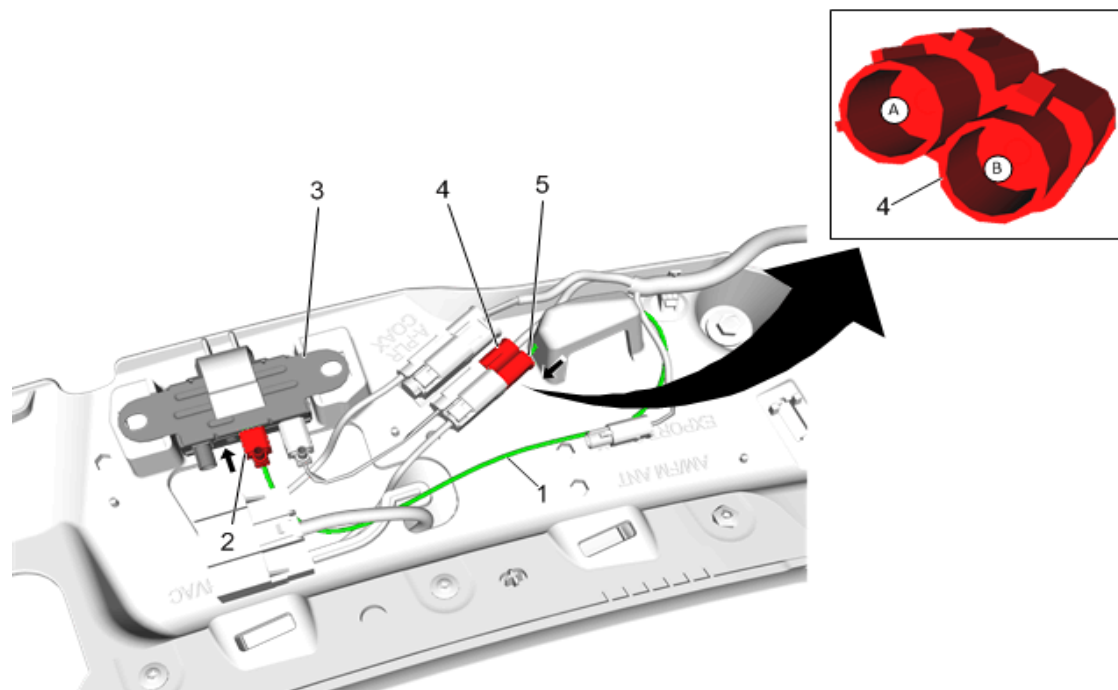




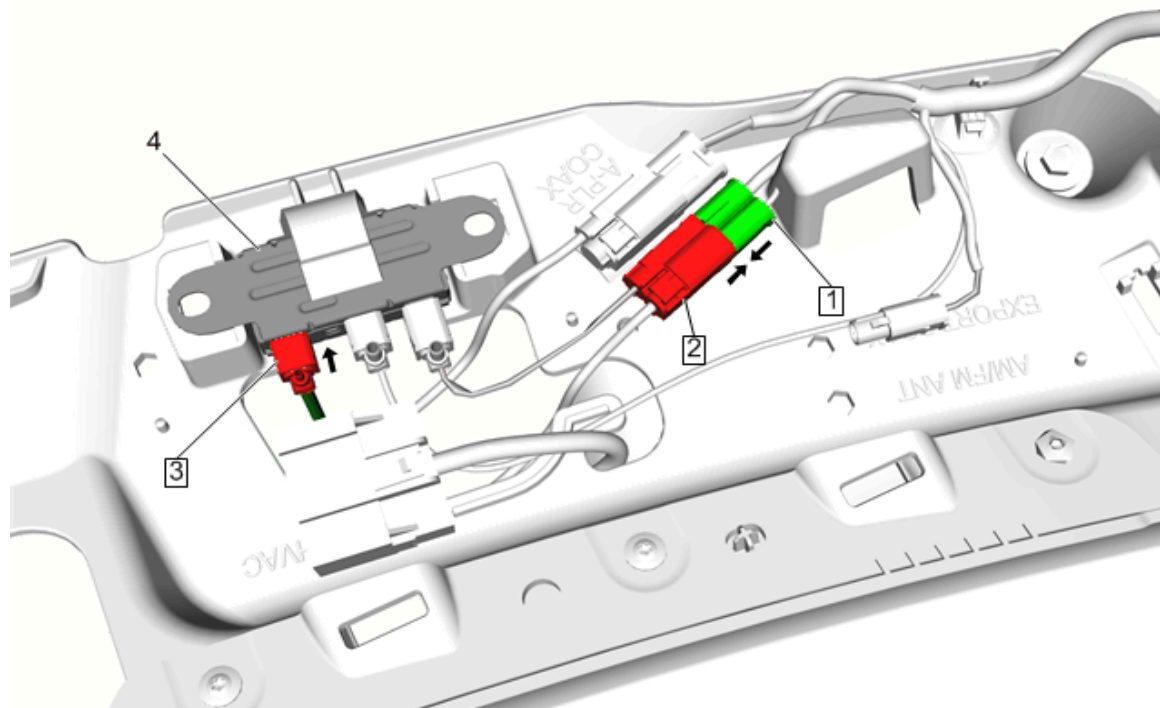
17. Unseat terminal (2) from cavity 2 of A-pillar harness connector (3).
18. Position connector from kit (1) P/N 13589366 next to current A-pillar harness connector (3) and insert previously removed terminal (2) into cavity 2 (B) of connector (1) P/N 13589366.



19. Install coax jumper (1) P/N 23497539 from kit.
20. Insert female terminal end (4) into cavity 1 (A) of connector (5) P/N 13589366.
21. Insert other end of jumper (2) into splitter (3) (Gray Connector).



22. Install coax jumper (1) P/N 23497540 from kit.
23. Insert male terminal end (5) into cavity 2 (B) of connector (4) P/N 13589365.
24. Insert other end of jumper (2) into splitter (3) (Pink Connector).



25. Mate connectors (1) P/N 13589365 and (2) P/N 13589366.
26. Install coax jumper (3) P/N 23497541 from splitter (4) to HMI module.
27. Calibrate HMI module. Go to HMI Programming Procedure-Human Machine Interface Control Module Programming and Setup-Replace and Program Control Module. Refer to Vehicle Service Manual. Please contact TCSC for updated calibrations.
28. Prior to re-installing upper and lower instrument panel compartments and trim, test drive vehicle to ensure NAV function is working.
29. Inspect newly installed coax cables and connection system and if required use cable ties and foam tape P/N 19243085 provided in kit to secure existing parts.
30. Re-install previously removed trim.
31. Enable SIR system. Refer to Vehicle Service Manual.