

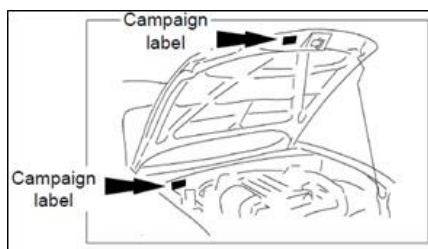
A. VEHICLE INSPECTION PROCEDURE

1. Verify that the vehicle is within the following ranges:

Model	Subject VIN range	Subject production date range
2007-2009 B-Series	ALL	ALL

- If the vehicle is one of the above listed, proceed to Step 2.
 - If the vehicle is not within the above ranges, return vehicle to the customer or inventory.
2. Perform a Warranty Vehicle Inquiry using your eMDCS System and inspect vehicle for Campaign Labels **Recall 4821C** attached to the vehicle's hood. Refer to eMDCS System - Warranty Vehicle Inquiry Results table below.

NOTE: Be sure to verify Recall number as the vehicle may have multiple Recall labels.



eMDCS System - Warranty Vehicle Inquiry Results:

If eMDCS displays:	Campaign Label is:	Action to perform:
If no repair date is displayed on the line with RECALL 4821C, it has not been completed on this vehicle	Present	Contact Dealer Recall Help or the Mazda Warranty Department to review vehicle history.
	Not present	Proceed to "REPAIR PROCEDURE".
If repair date is displayed on the line with RECALL 4821C, it has been completed on this vehicle	Present	Return vehicle to inventory or customer.
	Not present	Complete a label and apply to vehicle's hood.
RECALL 4821C is not displayed	Does not apply	Recall does not apply to this vehicle. Return vehicle to customer.

REPAIR OUTLINE

IMPORTANT: Both the airbag inflator and knee bolster bracket must be replaced to maintain acceptable crash performance. Additionally, the parts used in this safety recall may physically appear to be identical, but they have different operating characteristics. **It is crucial that parts are NOT interchanged or substituted. Do not disassemble, modify, or alter the parts or repair procedure in any way.** Doing so may prevent the airbag from operating properly during a deployment.

WARNING: Failure to follow the instructions and warnings in the Workshop Manual (WSM) may result in injury.

NOTE: If the Airbag Readiness light indicates no Supplemental Restraint System (SRS) faults are present, it is not necessary to follow the WSM SRS Depowering and Repowering steps. Turn the ignition to OFF and wait 1 minute, then it is safe to proceed with airbag inflator replacement.

NOTE: The ignition must remain OFF until this service procedure is completed

B. REPAIR PROCEDURE

1. Remove the driver airbag from the vehicle. Please refer to MGSS online ([DRIVER AIR BAG MODULE REMOVAL / INSTALLATION](#)).
2. Set the airbag face down onto a surface that will not scratch or damage the airbag face.

WARNING: Do not allow any debris on or around airbag once the inflator is removed.

1. Remove and discard the 4 airbag inflator retaining nuts from the driver side airbag. See Figure 1. **Do not use any sort of Power Tool!**

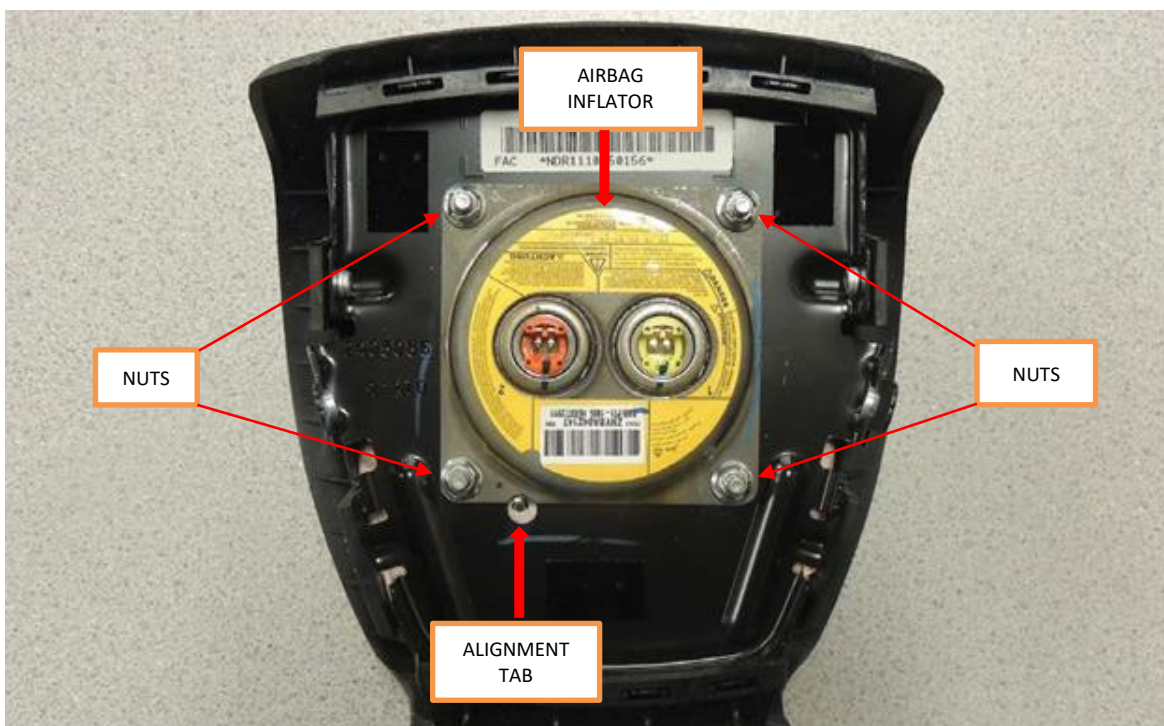


FIGURE 1

2. **NOTE:** In order to verify the correct airbag inflator is installed, mark the old airbag inflator with a felt tip marker prior to removal.

- Remove the airbag inflator and set aside for return shipping. See Figure 1

3. **NOTE:** The *new* airbag inflator must be installed in the same orientation as the original part

Install the *new* inflator into the driver airbag. Verify the alignment tab on the airbag housing is aligned with the cut-out on the inflator. See Figure 1

4. Install 4 *new* airbag inflator nuts onto the driver airbag. See Figure 1. **Do not use any sort of power-tool to install these nuts under any circumstance.**
 - Tighten to **57 in-lb** (6.5 Nm). **This less than 5 ft-lbs!**
5. Re-install the driver airbag
 - a. Install the driver air bag module. Refer to MGSS online ([DRIVER AIR BAG MODULE REMOVAL / INSTALLATION](#)).
 - b. Reconnect the negative battery cable.
 - c. Turn the ignition switch to the ON position.
 - d. Verify that the air bag system warning light illuminates for approx. 6 sec., then goes out.
 - e. **NOTE:** If the air bag system warning light does not operate in the manner described above, there is a malfunction in the system. Inspect the system following the on-board diagnostic system procedure according to MGSS.
 - f. Re-enter the customer's preset radio stations

NOTE: Confirm that the Airbag Readiness light still indicates no SRS faults are present

6. Package the replaced inflator in the *new* part box and provide to the parts department for part returns. Proceed to the Knee Bolster Bracket Replacement Procedure.

Knee Bolster Bracket Replacement Procedure

1. Remove the two hood release handle retainers and position the handle and cable aside. See Figure 3

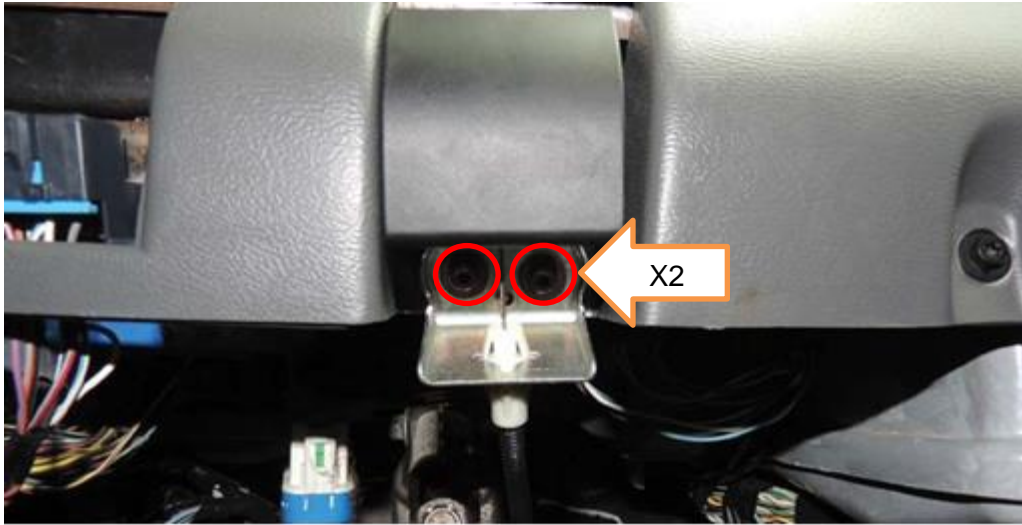


FIGURE 3

2. Remove the two parking brake handle retainers and position aside. See Figure 4

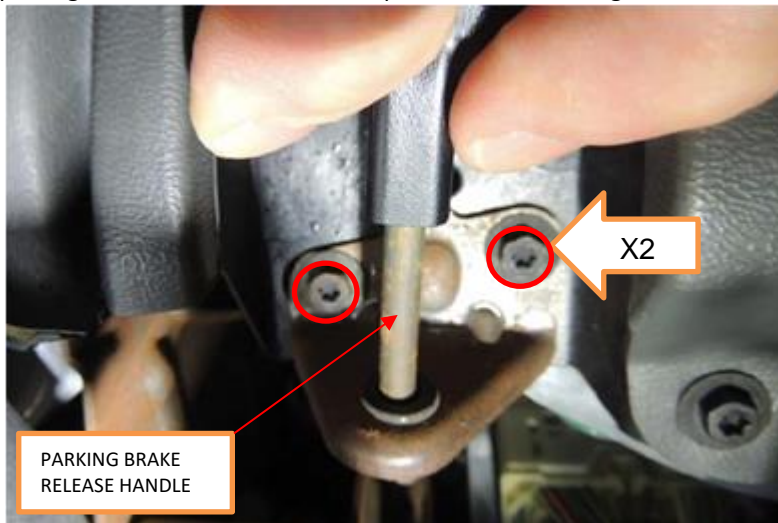


FIGURE 4

3. Remove the two lower steering column opening trim panel retainers. See Figure 5

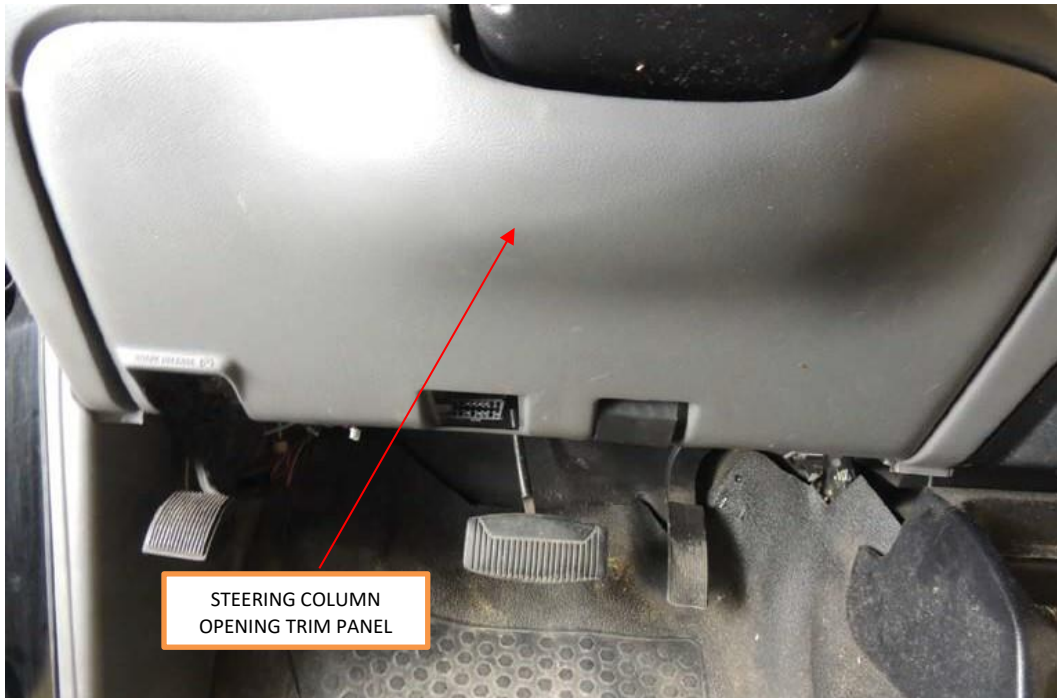


FIGURE 5

4. Remove the steering column opening trim panel by pulling the panel toward the rear of the vehicle to release the upper panel clips. See Figure 6



FIGURE 6

5. Remove the five retainers and the steering column opening knee bolster. See Figure 7.

9.1 Tighten to 62 in-lb (7 Nm).

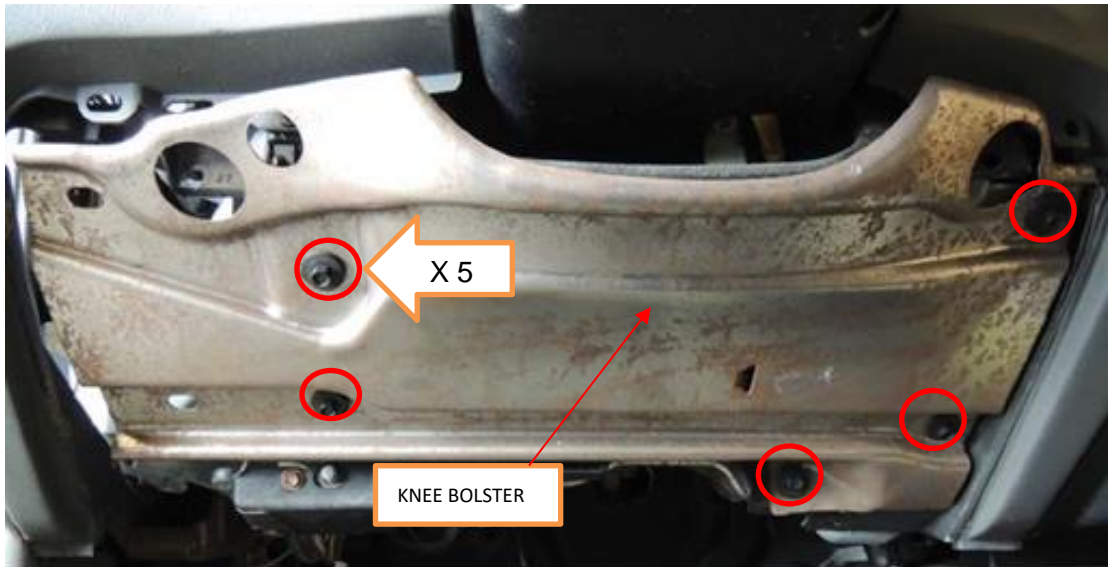


FIGURE 7

6. Using a small hand saw, cut the lower instrument panel substrate in the two areas indicated in Figure 8

CAUTION: Take care not to cut the instrument panel metal frame behind the substrate.

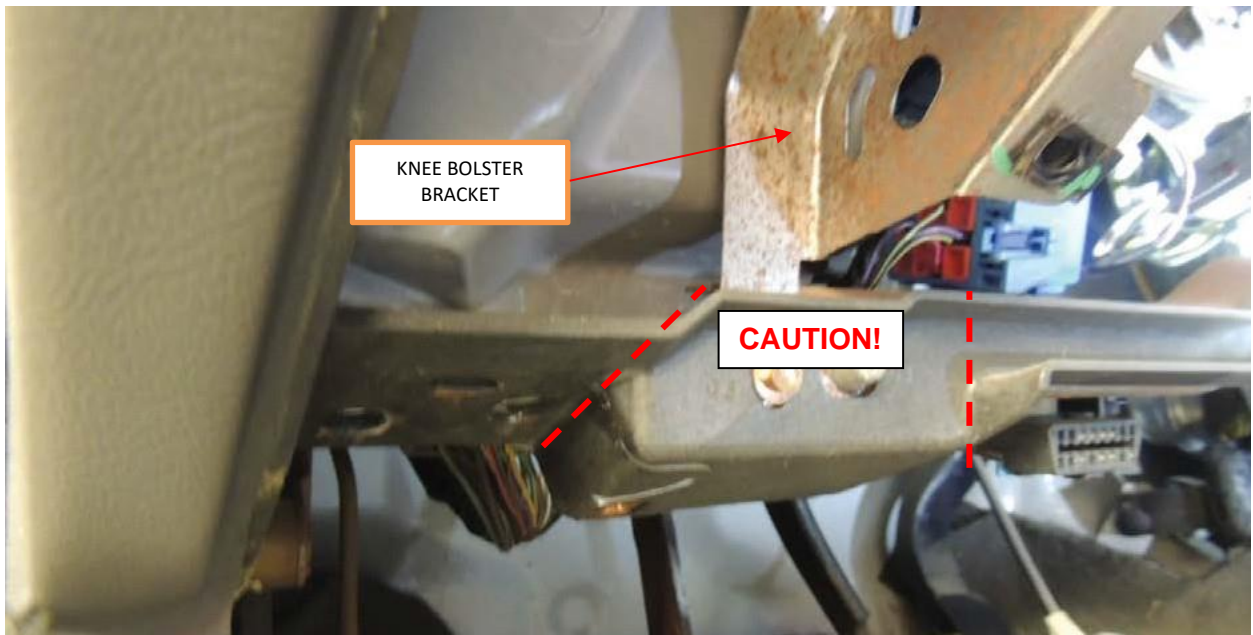


FIGURE 8

7. Remove the lower knee bolster bracket retainer. See Figure 9

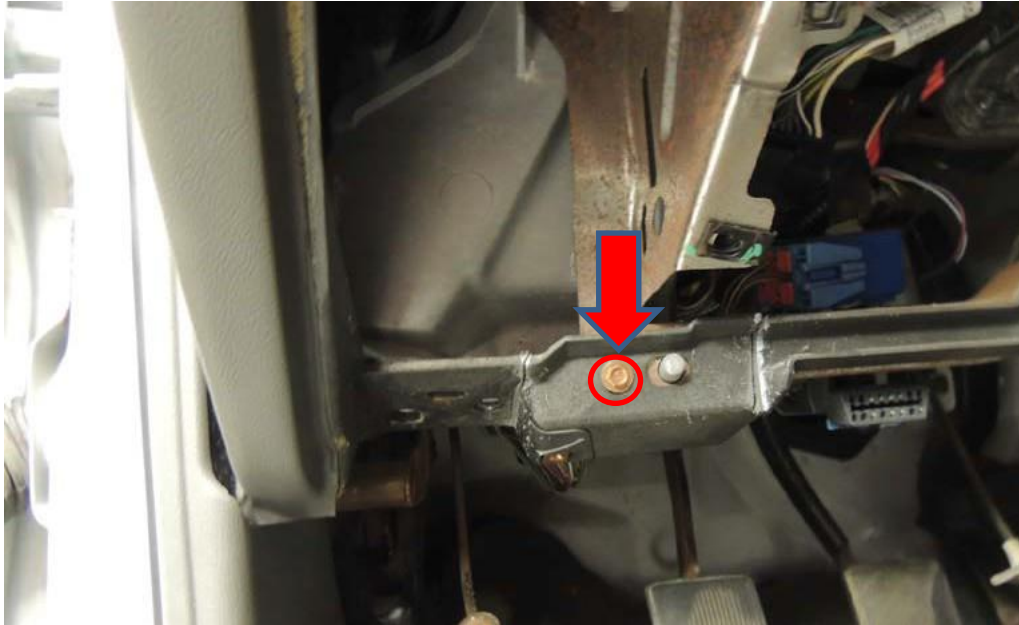


FIGURE 9

8. Remove the section of the lower instrument panel, that was cut out previously, and set aside to be used later in this procedure. See Figure 10



FIGURE 10

9. Loosen, **but do not remove**, the upper knee bolster bracket retainer, then fully remove the center knee bolster bracket retainer. See Figure 11

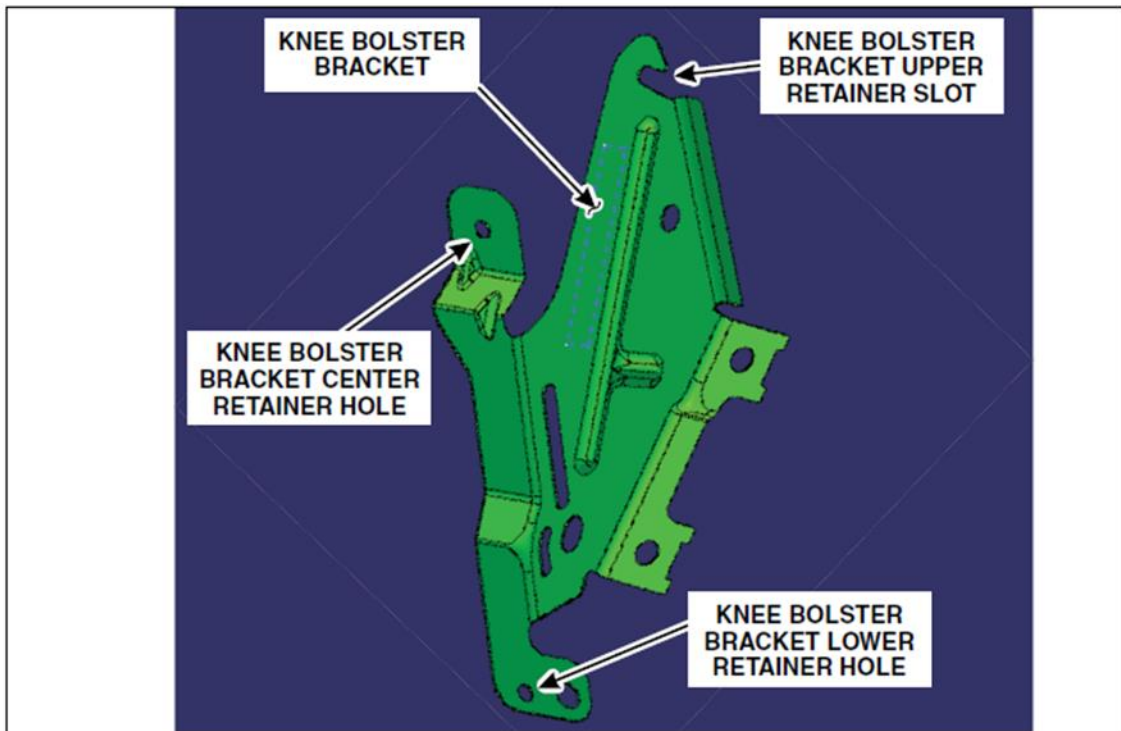


FIGURE 11

10. Remove and discard the LH instrument panel knee bolster bracket by sliding the lower portion of the bracket off of the alignment pin, then lift the bracket off of the upper bracket retainer. See Figure 12



FIGURE 12

11. Install the *new* LH instrument panel knee bolster bracket by reversing the removal procedure.
 - Tighten the upper and center retainers to 28 in-lb (3.2 Nm).
12. Using a strip of flocked tape from the JVCC FLOCK-1 Flocking Tape or Hush Mat Quiet Tape #30300, measure and cut a 0.75 inch (19mm) x 1.75 inch (44mm) piece of flocked tape. Using the adhesive backing, adhere the piece of flocked tape onto the metal frame half way between the inboard substrate cut, as shown in Figure 13.

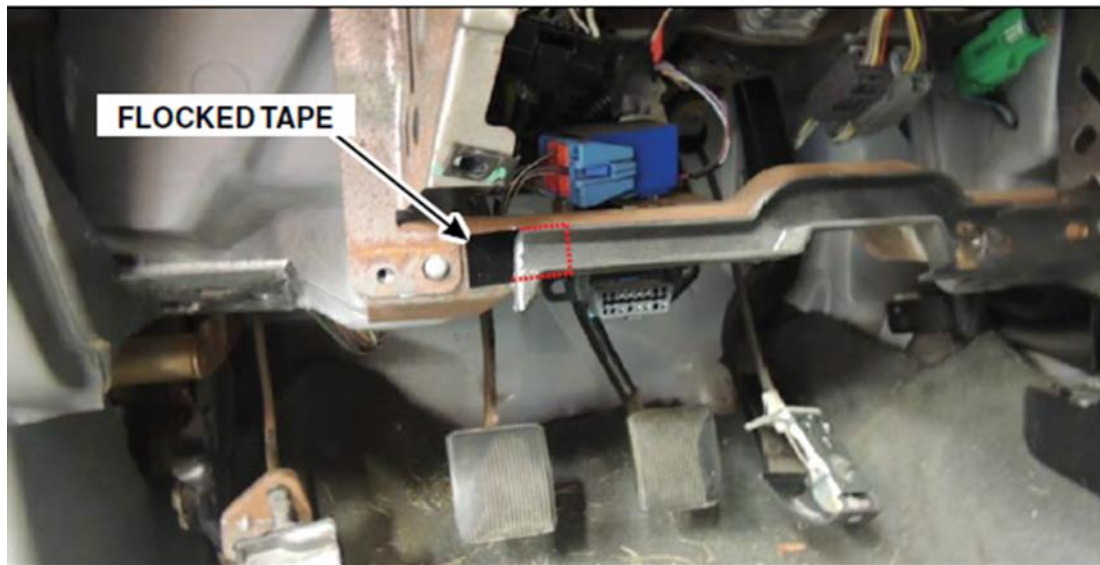


FIGURE 13

13. Reinstall the piece of instrument panel substrate that was previously cut out and install the retainer. See Figure 14.
 - Tighten to 28 in-lb (3.2 Nm)

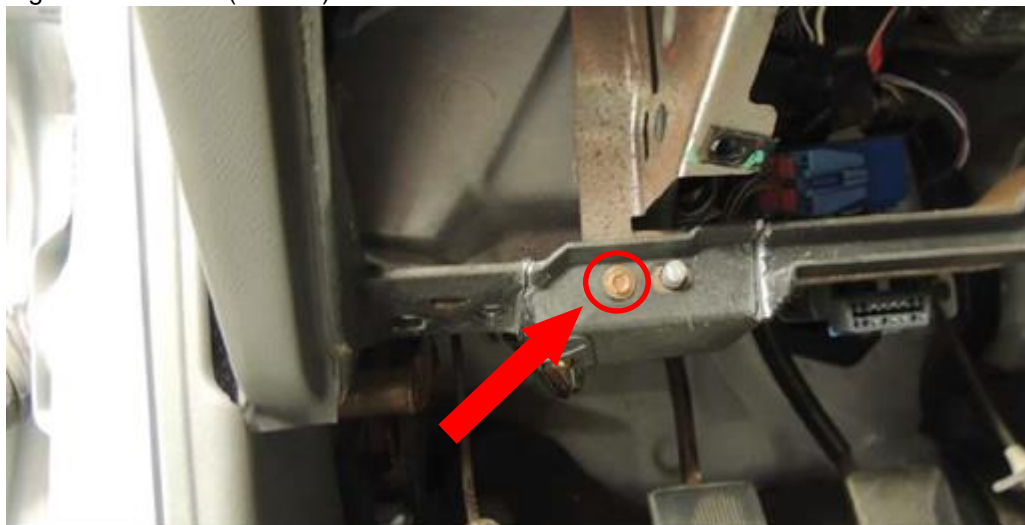


FIGURE 14

- Using clear automotive repair tape, 3M™ Clear Repair Tape (03439), cut a strip 12 inches (304mm) in length. wrap the tape around the inboard cut on the substrate and the instrument panel frame as shown in Figure 15



FIGURE 15

- Reinstall the items removed from steps 1-5 of the Knee Bolster Bracket procedure above.

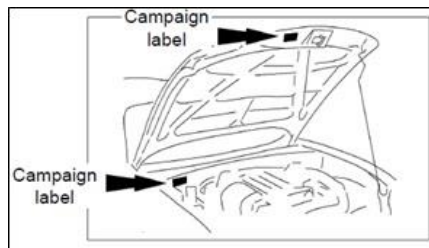
C. CAMPAIGN LABEL INSTALLATION

- Fill out a black "Campaign Label" (9999-95-065A-06) with Campaign No: "4821C", your dealer code, and today's date.

CAMPAIGN LABEL	
CAMPAIGN NO:	_____
DEALER CODE:	_____
DATE:	//
P/N 9999-95-065A-05	

1326b

- Affix it to the hood or bulkhead as shown:



- Return the vehicle to customer.

END OF REPAIR PROCEDURE