



RECALL CAMPAIGN BULLETIN

Reference:

NTB17-114

Date:

November 7, 2017

VOLUNTARY RECALL CAMPAIGN 2012 VERSA SEDAN SIDE CURTAIN/SIDE AIRBAG DEPLOYMENT

CAMPAIGN ID #: R1709
NHTSA # 17V-144
APPLIED VEHICLES: 2012 Versa Sedan (N17)

**Check Service COMM or Dealer Business Systems (DBS)
National Service History to confirm campaign eligibility.**

INTRODUCTION

Nissan is conducting this Voluntary Safety Recall Campaign on certain specific 2012 Versa Sedan vehicles to replace the left and right satellite sensors and harnesses. This service will be performed at no charge to owners for parts or labor.

IDENTIFICATION NUMBER

Nissan has assigned identification number R1709 to this campaign. This number must appear on all communications and documentation of any nature dealing with this campaign.

DEALER RESPONSIBILITY

It is the dealer's responsibility to check Service COMM or Dealer Business Systems (DBS) National Service History for the campaign status on each vehicle falling within the range of this voluntary safety recall which for any reason enters the service department. This includes vehicles purchased from private parties or presented by transient (tourist) owners and vehicles in a dealer's inventory. **Federal law requires that new vehicles in dealer inventory which are the subject of a safety recall must be corrected prior to sale. Failure to do so can result in civil penalties by the National Highway Traffic Safety Administration.** While federal law applies only to new vehicles, Nissan strongly encourages dealers to correct any used vehicles in their inventory before they are retailed.

Nissan Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. NOTE: If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Nissan dealer to determine if this applies to your vehicle.

SERVICE PROCEDURE

IMPORTANT: Follow all cautions, warnings, and notes in the Electronic Service Manual (ESM) when working on or near a Supplemental Restraint System (SRS), such as an air bag.

CAUTION: Handle interior trim carefully to avoid damage. Work with clean hands and clean tools to avoid dirt and stains. Use protective covers as needed.

1. Write down the radio settings.

Presets	1	2	3	4	5	6
AM						
FM 1						
FM 2						
SAT 1						
SAT 2						
SAT 3						
Bass	Treble		Balance		Fade	Speed Sen. Vol.

2. Turn the ignition OFF.
3. Disconnect both battery cables, negative cable first.
4. Wait at least 3 minutes.

5. Remove the driver's front seat as follows:

NOTE: The driver's front seat is shown in Figures 1-3. The passenger seat is similar.

a. Adjust the seat all the way forward.



Figure 1

b. Remove the two (2) rear track bolts.

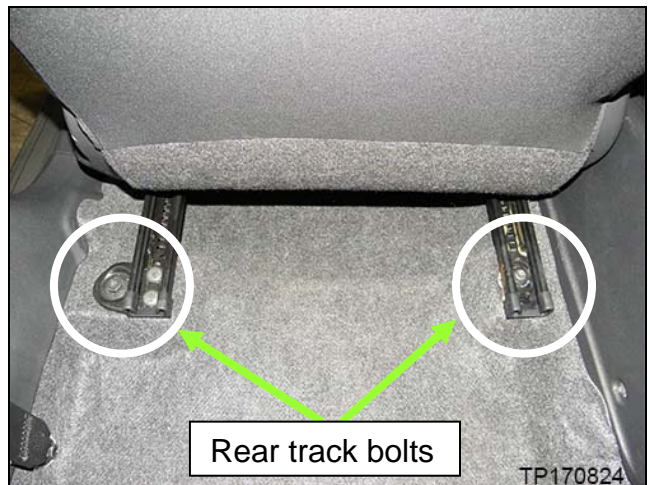


Figure 2

c. Adjust the seat to the rearmost position.

d. Remove the front two (2) track bolts.

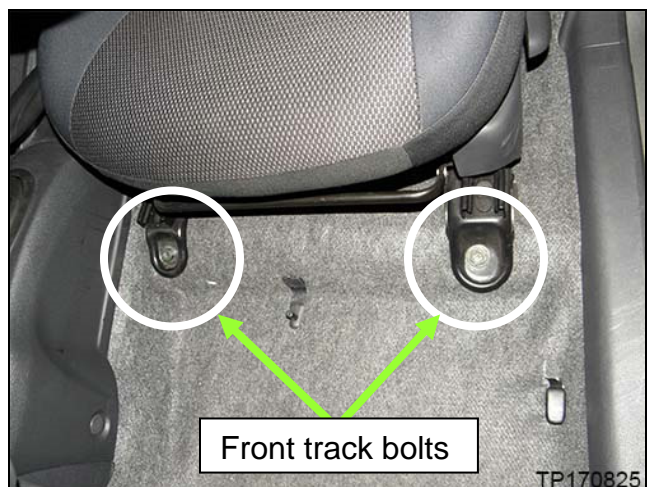


Figure 3

e. Disconnect the seat harness.

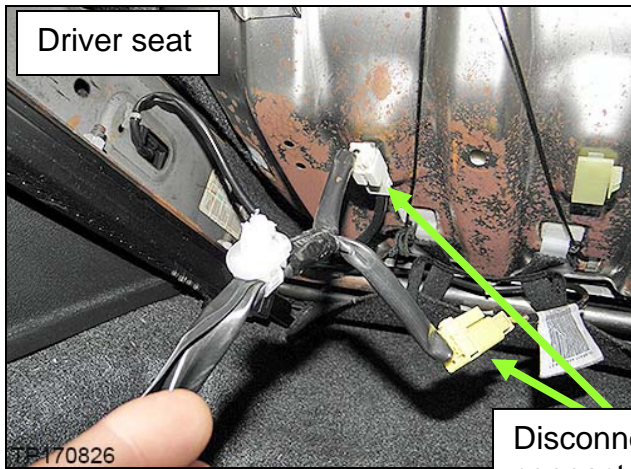


Figure 4

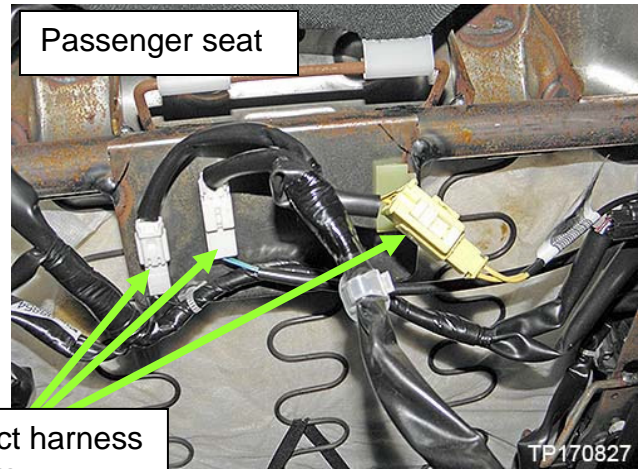


Figure 5

Disconnect harness connectors

f. Remove the seat from the vehicle.

6. Remove the passenger seat from the vehicle with steps "5a"–"5f", and then proceed to step 7.

7. Remove the left hand front kicking plate from the vehicle as follows:

NOTE: The left hand front kicking plate is shown in Figures 6 and 7. The right hand side is similar.



Figure 6

a. Detach the front kicking plate from the side center pillar lower finishers.

- 1) Slide fingers between front kicking plate and carpet.
- 2) Gently lift up to separate from center pillar lower finishers.

b. Lift the front kicking plate away from the vehicle and detach from the dash side finisher (Figure 8).

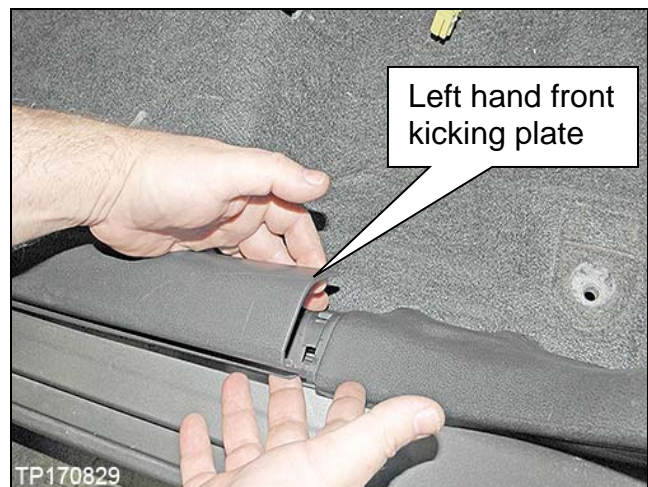


Figure 7

8. Remove the left hand dash side finisher as follows:

NOTE: The left hand dash side finisher is shown in Figures 8 and 9. The right hand side is similar.



Figure 8

- a. Detach the dash side finisher from the vehicle.
 - 1) Slide fingers between the dash side finisher and carpet where shown in Figure 9.
 - 2) Gently lift up to separate from vehicle.
- b. Pull the dash side finisher rearward to detach from threaded stud (Figure 8).

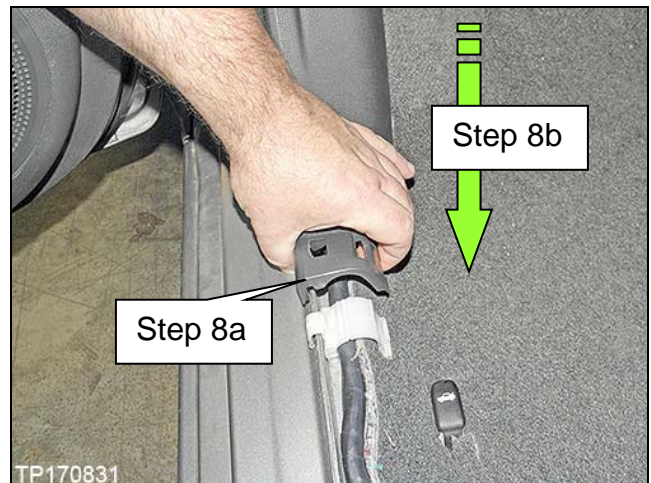


Figure 9

9. Detach the left hand rear kicking plate:

NOTE: The left hand rear kicking plate is shown in Figures 10-12. The right hand side is similar.

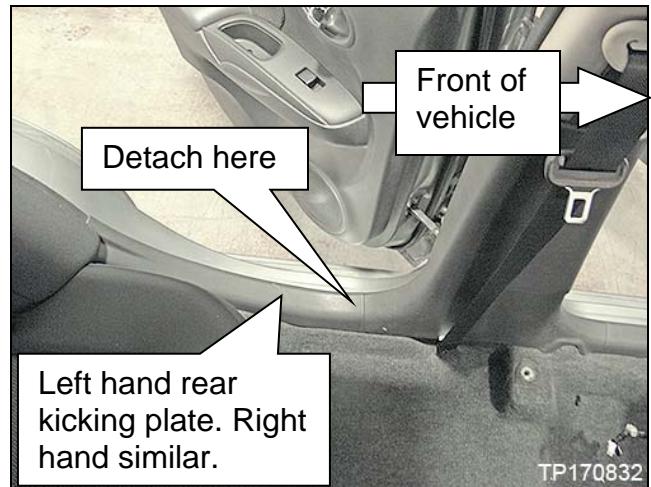


Figure 10

a. Slide fingers between the rear kicking plate and carpet where shown in Figure 11.

b. Gently lift up to separate from the center pillar lower finisher.

- Leave rear kicking plate attached at end closest to back seat (Figure 12).

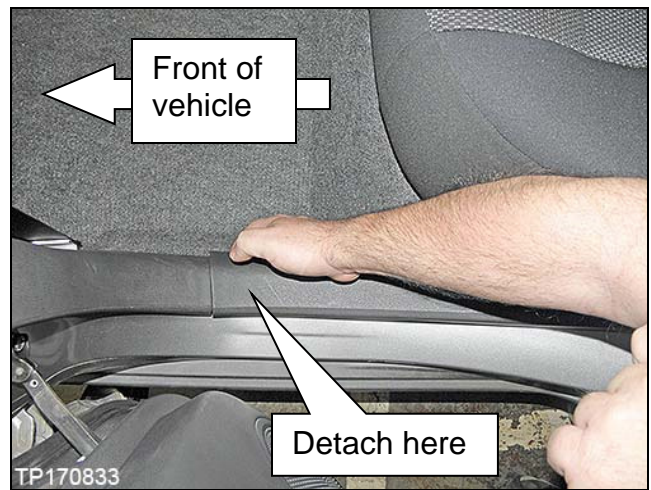


Figure 11

- Figure 12 is of left rear kicking plate separated, but not removed.



Figure 12

10. Remove the left side center pillar lower finisher as follows:

NOTE: The left side center pillar lower finisher is shown in Figures 13-15. The right hand side is similar.

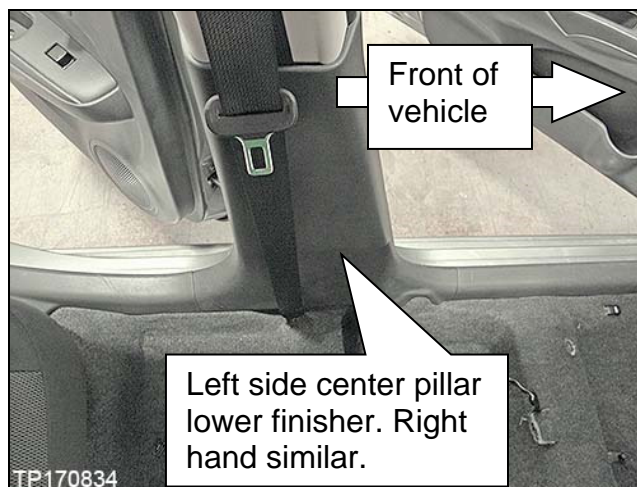


Figure 13

a. Slide fingers between the left side center pillar lower finisher and vehicle center pillar (B-pillar) where shown in Figure 14.

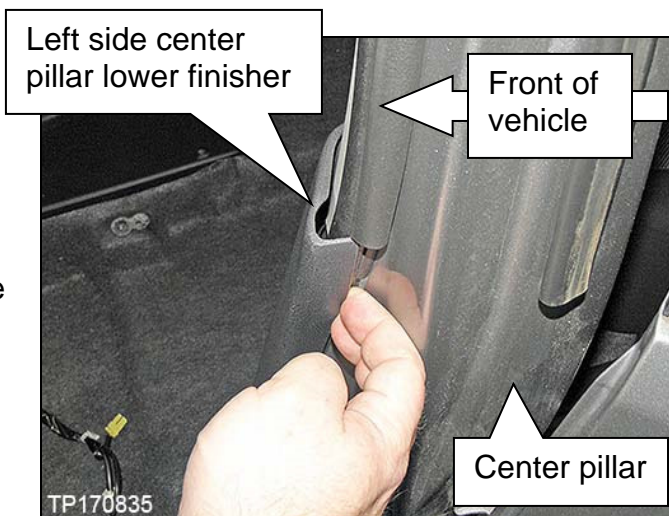


Figure 14

b. Gently separate the center pillar lower finisher from the vehicle and remove.



Figure 15

11. Perform steps 7-10 on the passenger side of the vehicle, and then proceed to step 12.

12. Release the harness clips that are under both left and right front kicking plates.

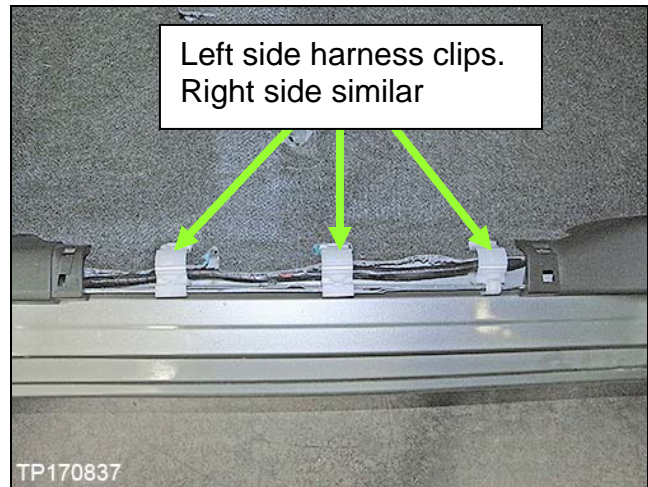


Figure 16

- Figure 17 is close-up of one of the harness clips.



Figure 17

13. Lift the carpet off the front floor on both left and right sides and secure out of the way.

NOTE: An elastic hold down can be used as shown in Figure 18 to secure carpet.

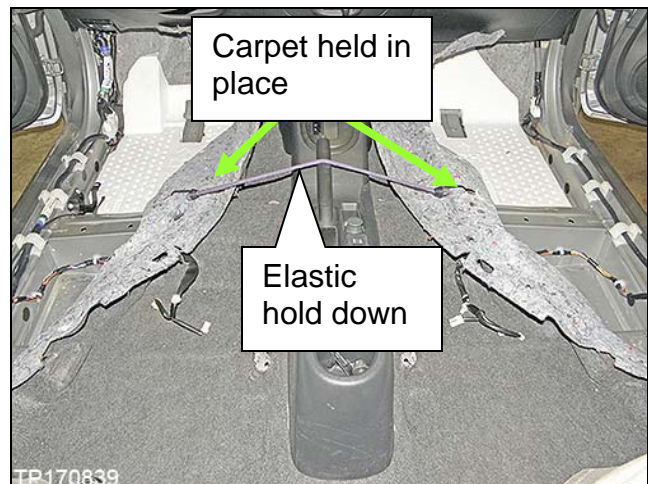


Figure 18

Passenger Side (RH) Satellite sensor and Harness Replacement

14. Remove the passenger side satellite sensor.

- Leave the satellite sensor attached to the Harness.
- The 10 mm nut that held the satellite sensor will not be reused.

NOTE: This nut will be replaced.

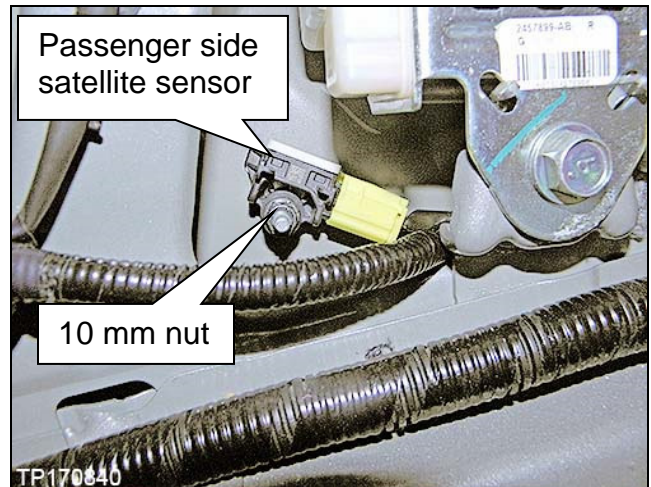


Figure 19

NOTE: Figure 20 shown with satellite sensor removed.

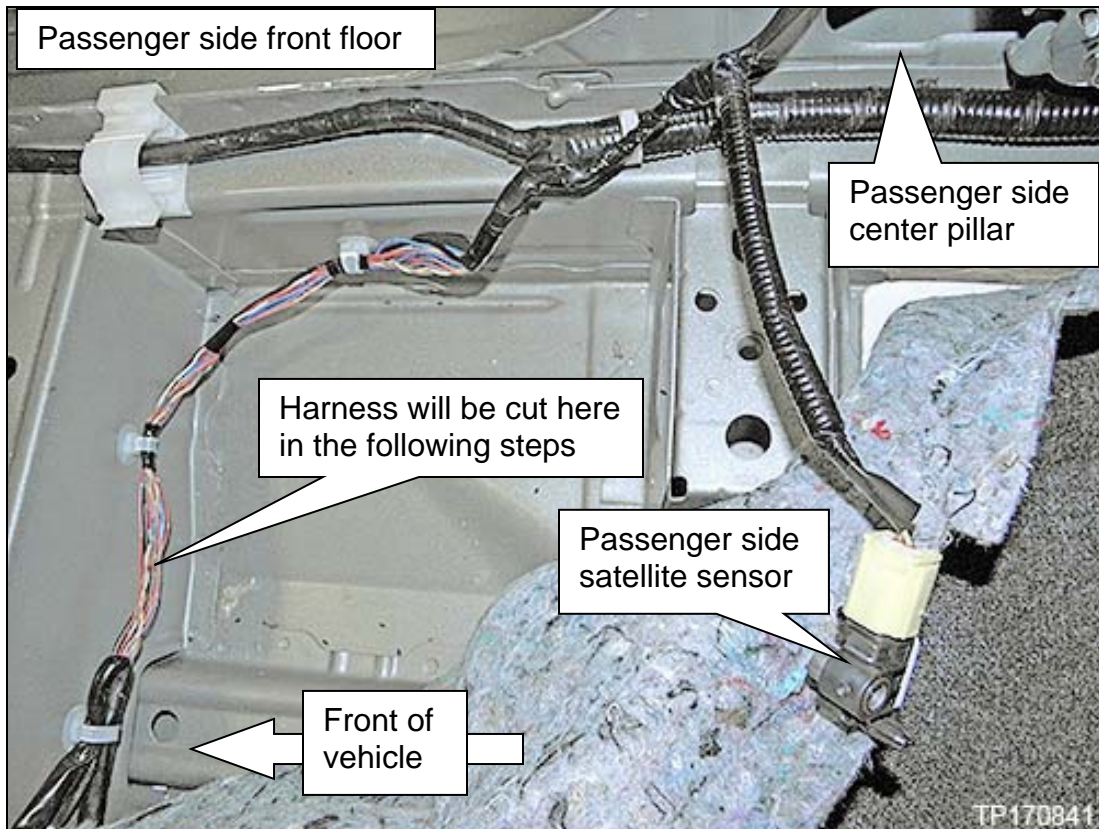


Figure 20

15. Locate the brown and yellow twisted pair (of wires) for the Satellite sensor on passenger side front floor (see Figure 21).

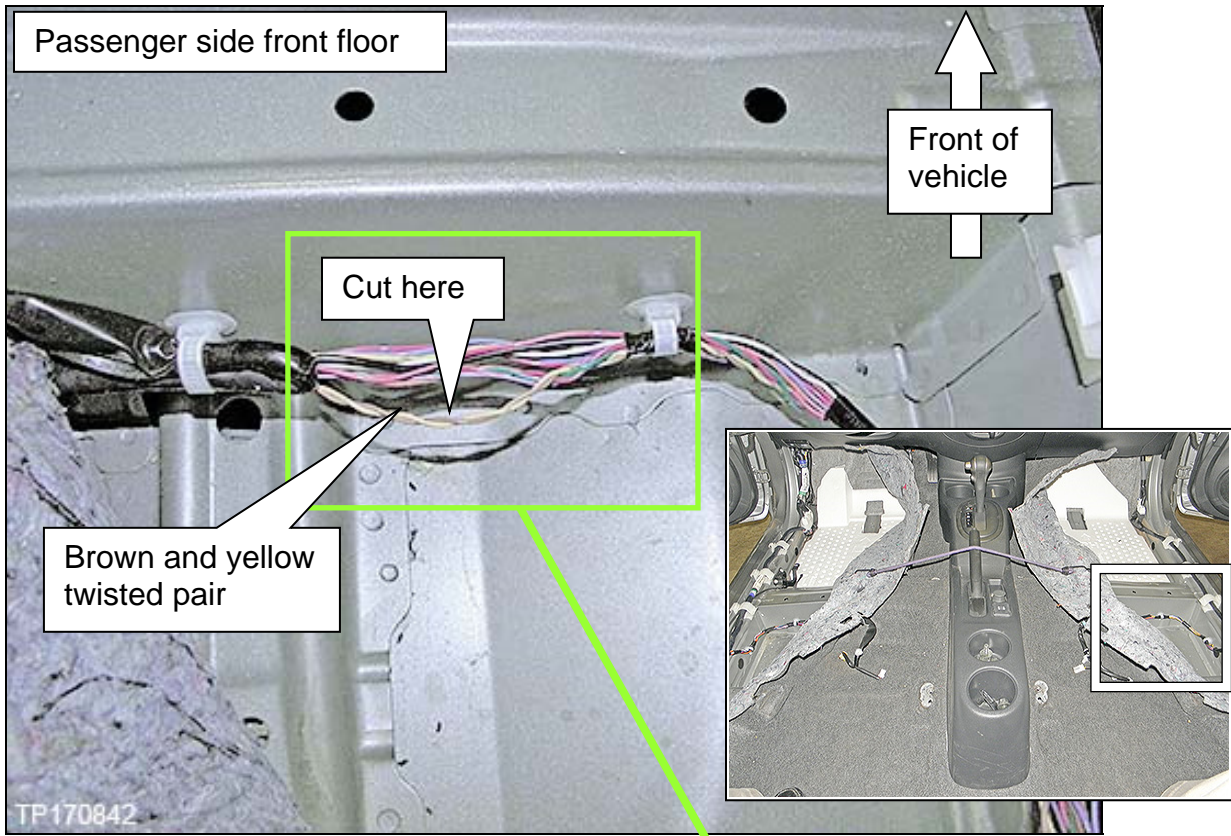


Figure 21

16. Cut through both the brown and yellow twisted pair where shown in Figures 21 and 22.

IMPORTANT: Only cut through the brown and yellow twisted pair.



Figure 22

17. Unclip the three harness straps as shown in Figure 23 from passenger side front floor.

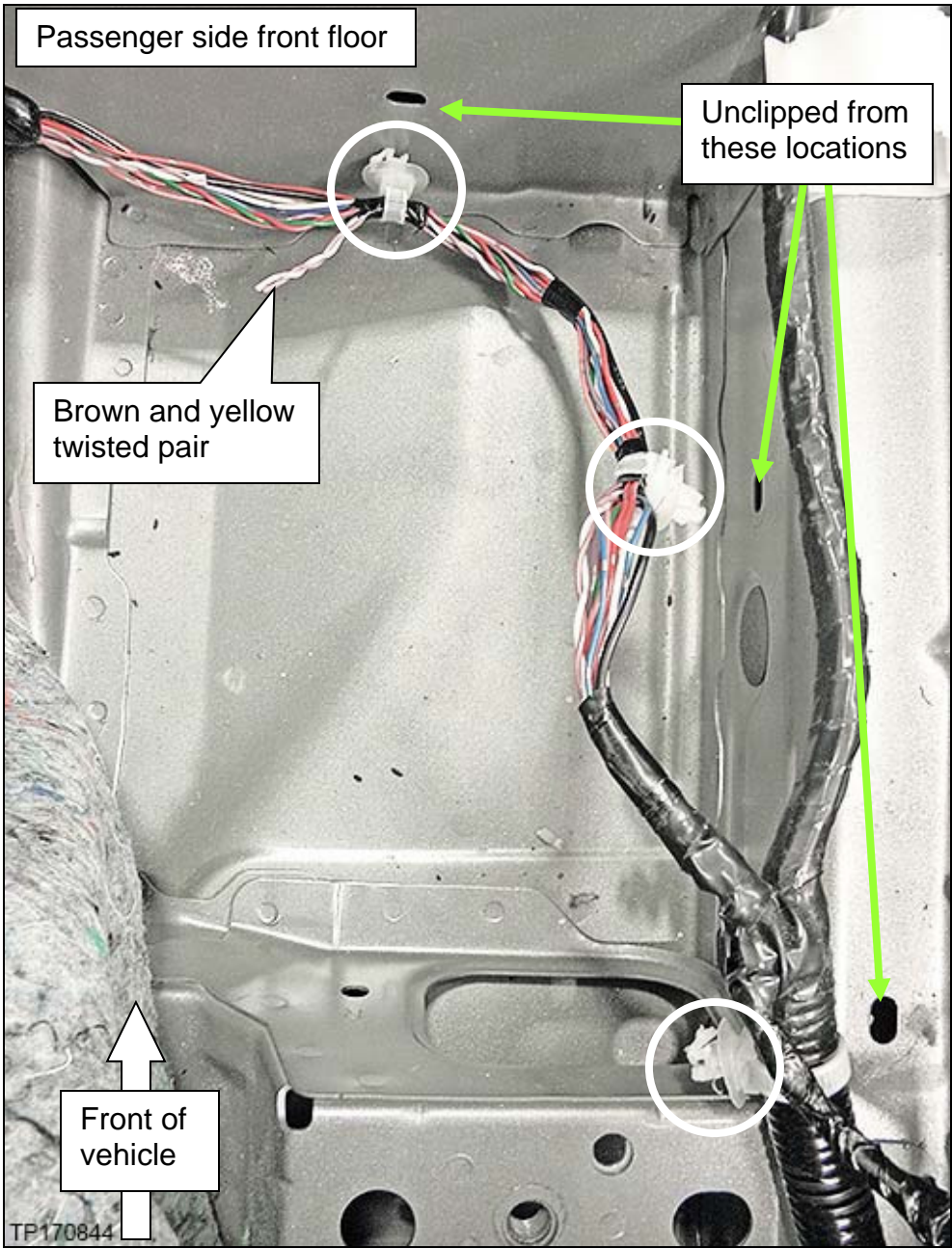


Figure 23

18. Cut all three (3) harness straps that were unclipped in step 17, from the harness.

CAUTION: Do not damage the harness.

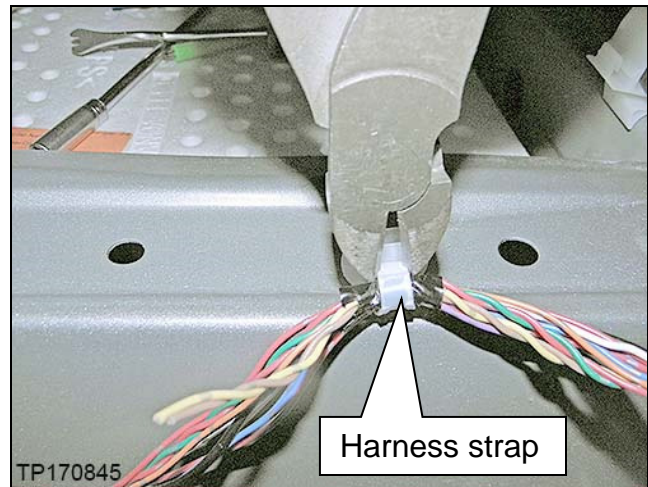


Figure 24

19. Gently cut through the black tape, of the passenger side satellite sensor harness, between the plastic corrugated harness protector and the harness joint where shown in Figure 25.

- Do not cut through the brown and yellow twisted pair.

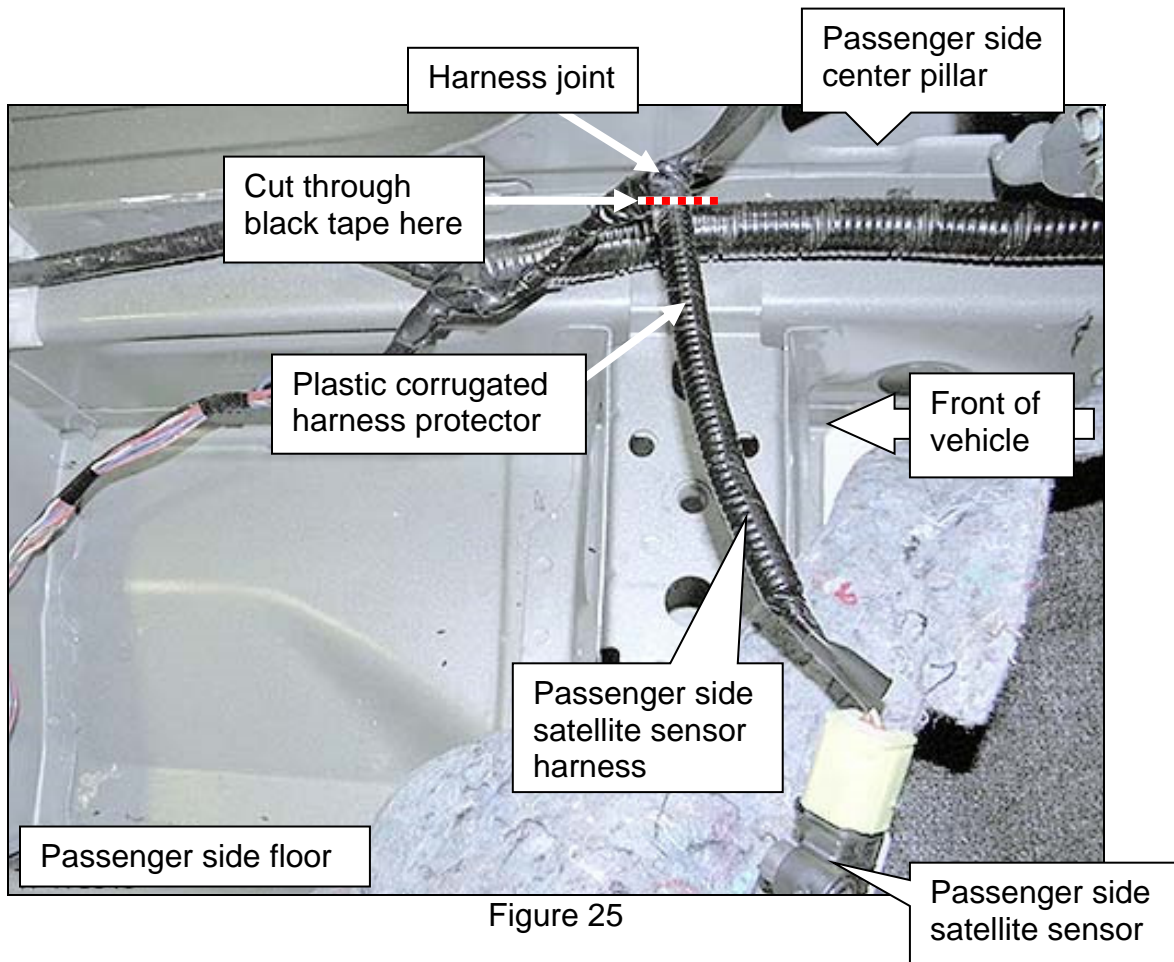
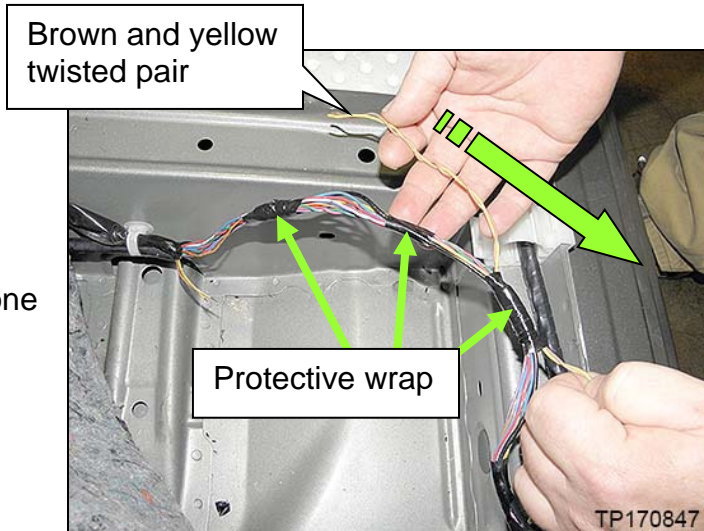


Figure 25

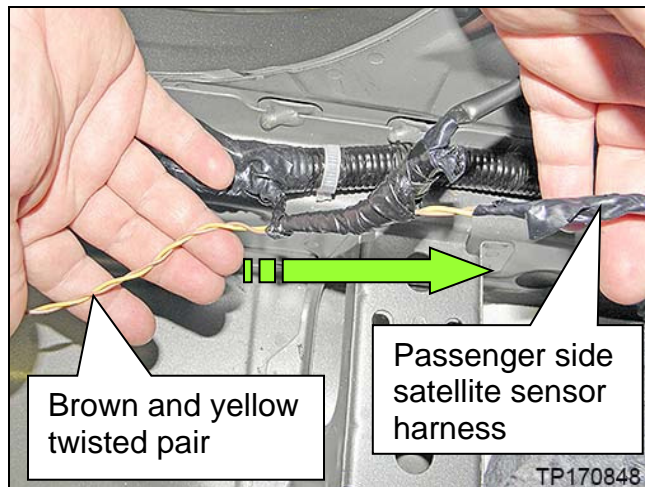
20. Remove the brown and yellow twisted pair from the harness as follows:

- a. Pull the two wires together through each (three total) protective wrap, one at a time.



- b. From the Satellite sensor side, pull both wires out of the remaining harness.

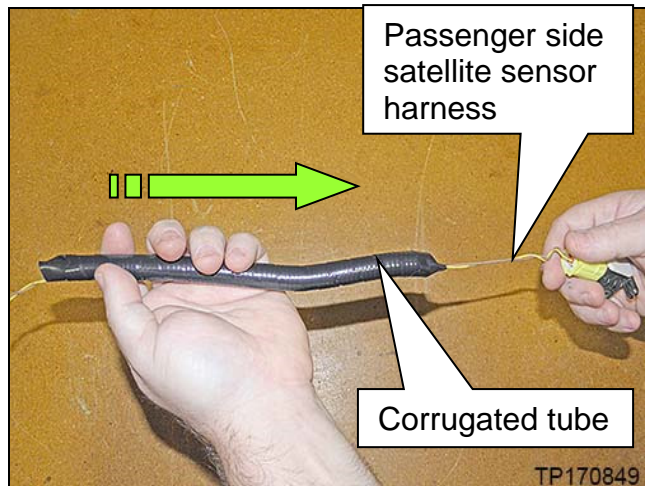
NOTE: The old satellite sensor can be used to pull on to remove harness.



21. Remove the corrugated tube from the brown and yellow twisted pair that were just removed.

- The corrugated tube will be reused.
- Remove all black tape from the corrugated tube.

NOTE: Leave the satellite sensor connected to the harness being removed. It will be replaced.



22. Slide the corrugated tube onto the new harness (brown and yellow twisted pair).

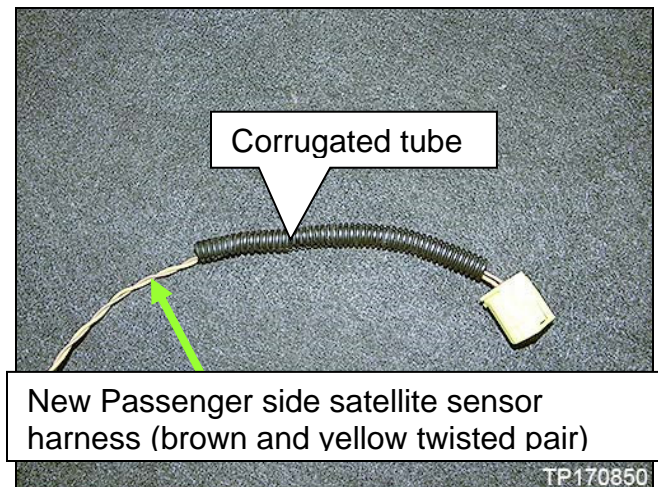


Figure 29

23. Wrap the corrugated tube and new harness as shown in Figure 30 with the tape supplied in the harness kit.

- Refer to the **PARTS INFORMATION** for the harness kit.

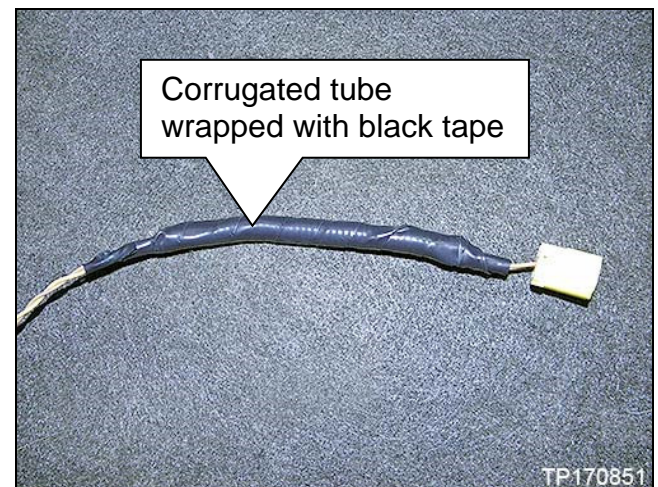


Figure 30

24. Strip approximately 10 mm (about 3/8 inch) of insulation from the wires that will be attached. See Figure 31.

- Two wires of the old vehicle harness.
- Two wire of the new satellite sensor harness from the harness kit.

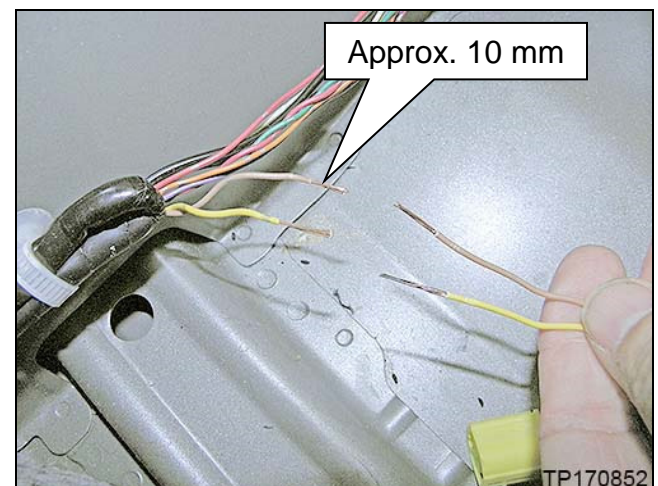


Figure 31

25. Slide a solder sleeve connector over one of the brown wires and one of the yellow wires.

- Refer to the **PARTS INFORMATION** for solder sleeve connectors.

26. Twist together the two brown wires and then the two yellow wires (see Figures 32 and 33).

IMPORTANT: Connect the brown wire to the brown and yellow wire to the yellow.

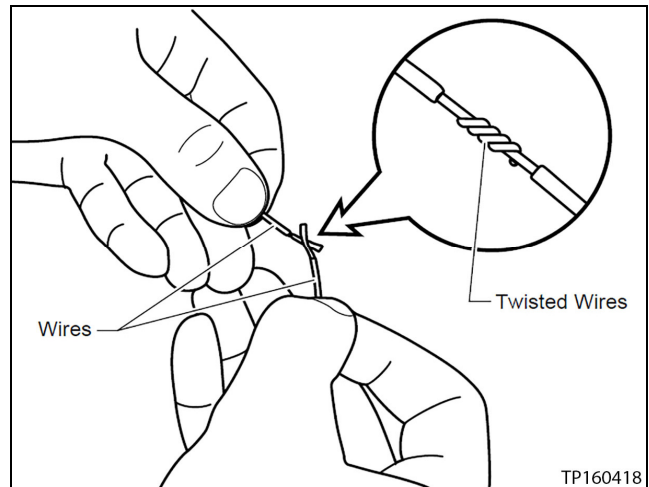


Figure 32

27. Position the solder ring in relation to the twisted wires as shown in Figure 33.

CAUTION: For the next step, do not use an electric type soldering tool. An electric type soldering tool may generate a current that may damage the ECU.

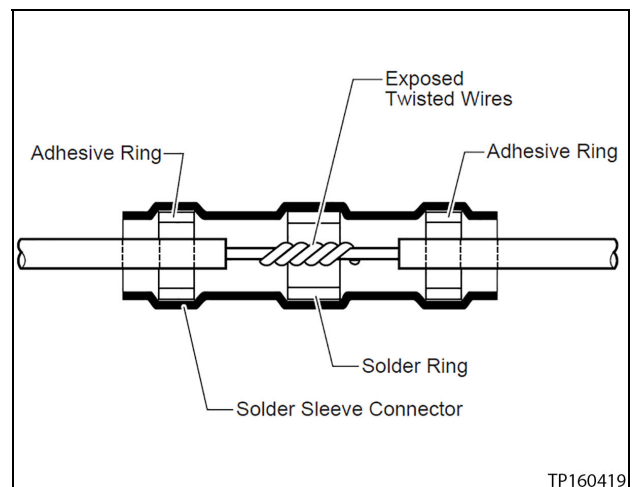


Figure 33

28. "Install" the solder sleeve connector by shrinking it to the wire with essential tool Flameless Heat Gun J-46538 or similar flameless heating tool (see Figure 34 and 35).

"Installing" the solder sleeve connector will:

- Melt the solder (silver ring inside the solder sleeve connector) into the exposed twisted wire area,
- Melt the sealant (red rings inside the solder sleeve connector) onto the wires, and
- Shrink the remainder of the solder sleeve connector to the wire.

NOTE: Tool J-46538 can be purchased from TECH-MATE at 1-800-662-2001.

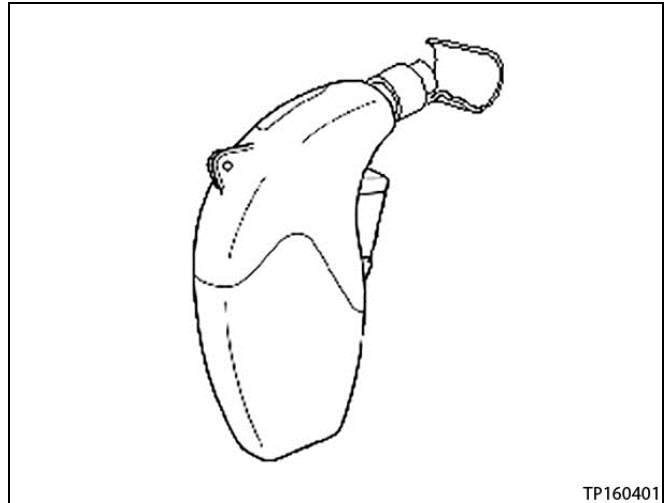


Figure 34

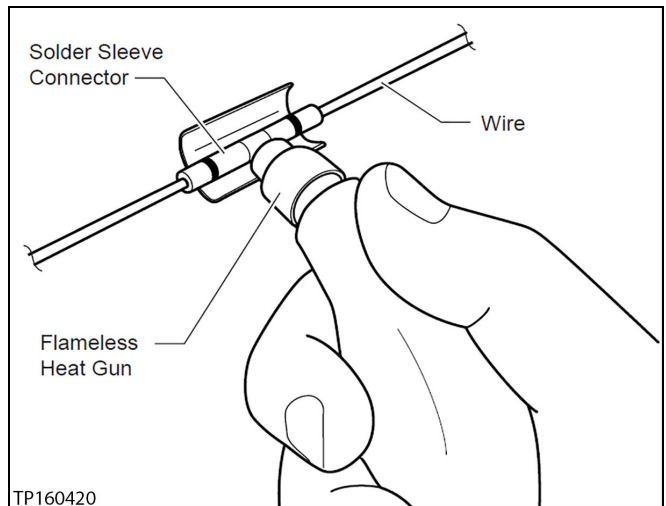


Figure 35

- Figure 36 shown with solder connections completed on passenger's side.

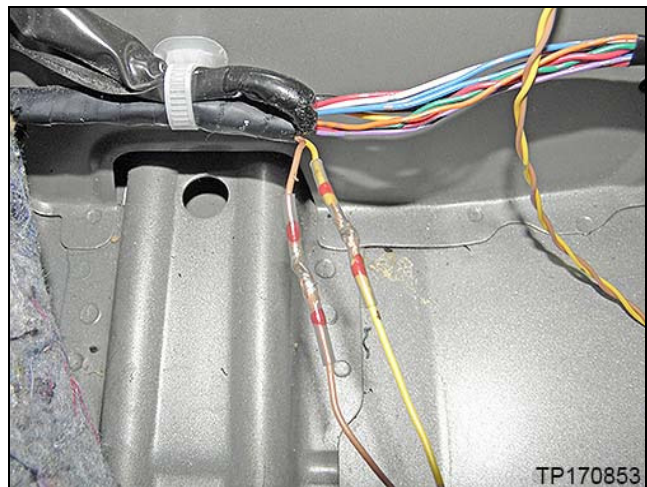


Figure 36

29. Attach the new brown and yellow twisted pair to the pre-existing wire harness with the tape supplied in the harness kit.

- Attach at the locations shown in Figure 37.
- Wrap small amount of tape to hold brown and yellow twisted pair in place.

NOTE: This will hold the brown and yellow twisted pair in place when the harness is wrapped.

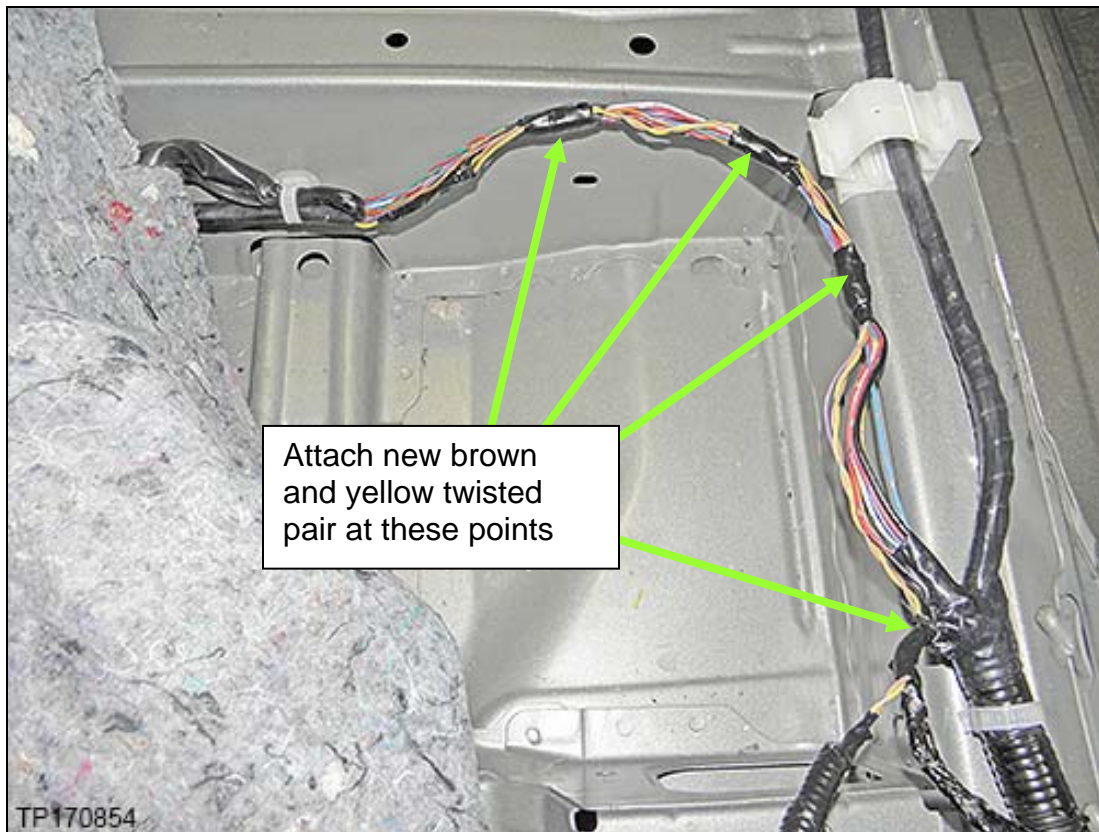


Figure 37

30. Completely wrap the new brown and yellow twisted pair to the pre-existing vehicle wire harness, with the tape supplied in the harness kit.

- Wrap the harness where shown in Figure 38 indicated by the dashed line.
- Overlap the tape wrapped onto the satellite sensor harness in step 23.

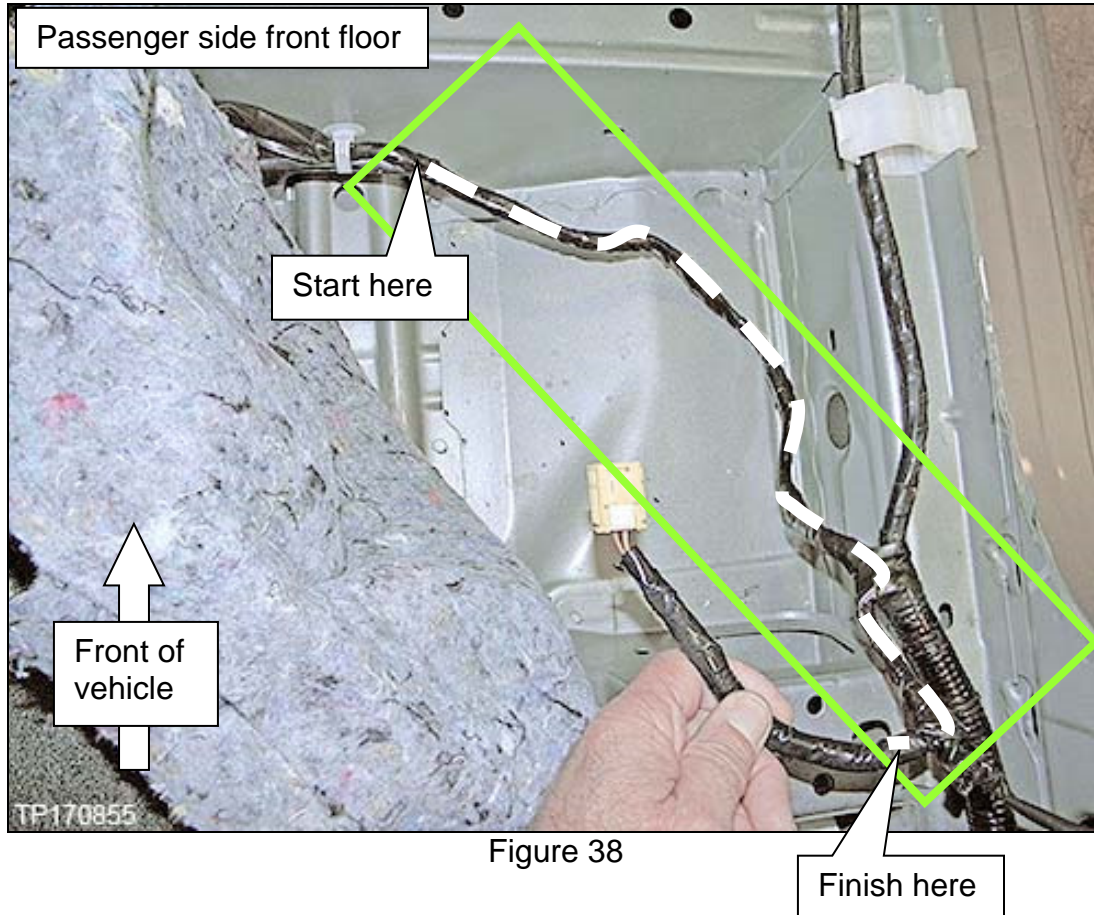


Figure 38

31. Reattach the newly wrapped harness to the vehicle floor with three (3) new harness straps.

- Harness straps are included with the harness kit. See **PARTS INFORMATION**.
- Trim off excessive strap after attached.



Figure 39

32. Connect the new satellite sensor to the harness connector.

33. Slide the satellite sensor onto its stud and align with the alignment hole (see Figures 40 and 41).

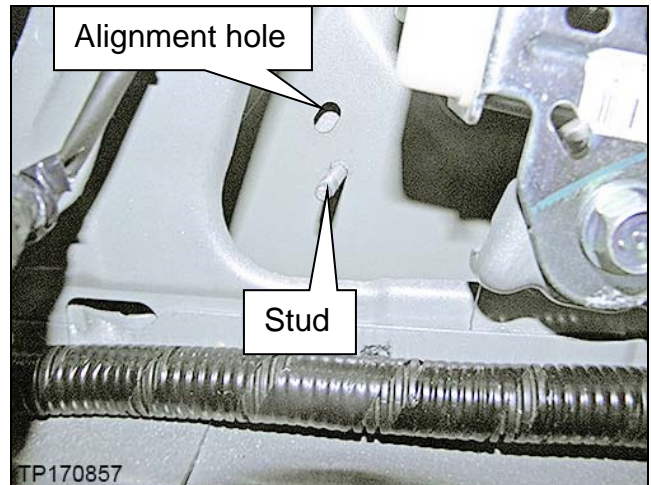


Figure 40

34. Install the satellite sensor with new nut.

- Use the new nut supplied with the satellite sensor.
- Torque to 10.8 N•m (1.1 kg-m, **8 ft-lb**).

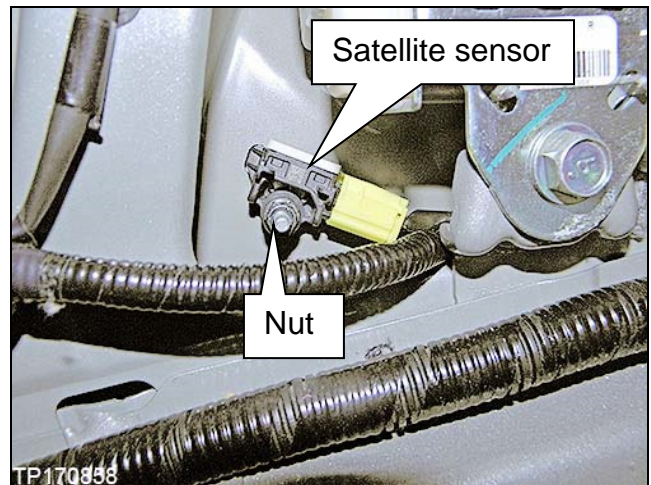


Figure 41

Driver Side (LH) Satellite sensor and Harness Replacement

35. Remove the driver's side satellite sensor.

- Leave the satellite sensor attached to the Harness (Figure 42).
- The 10 mm nut that held the satellite sensor will not be reused.

NOTE: This nut will be replaced.

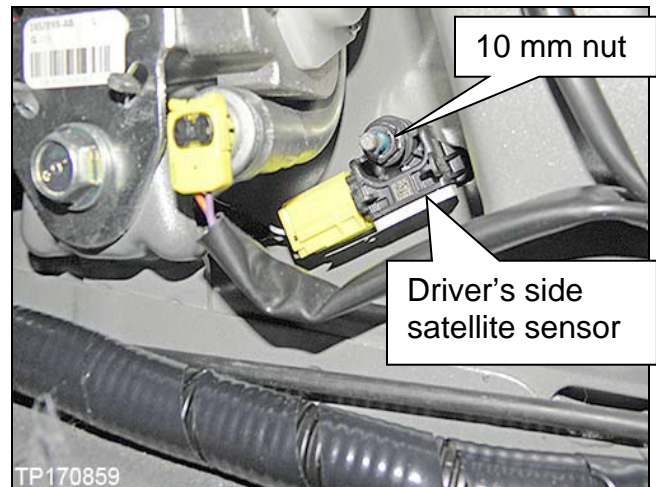


Figure 42

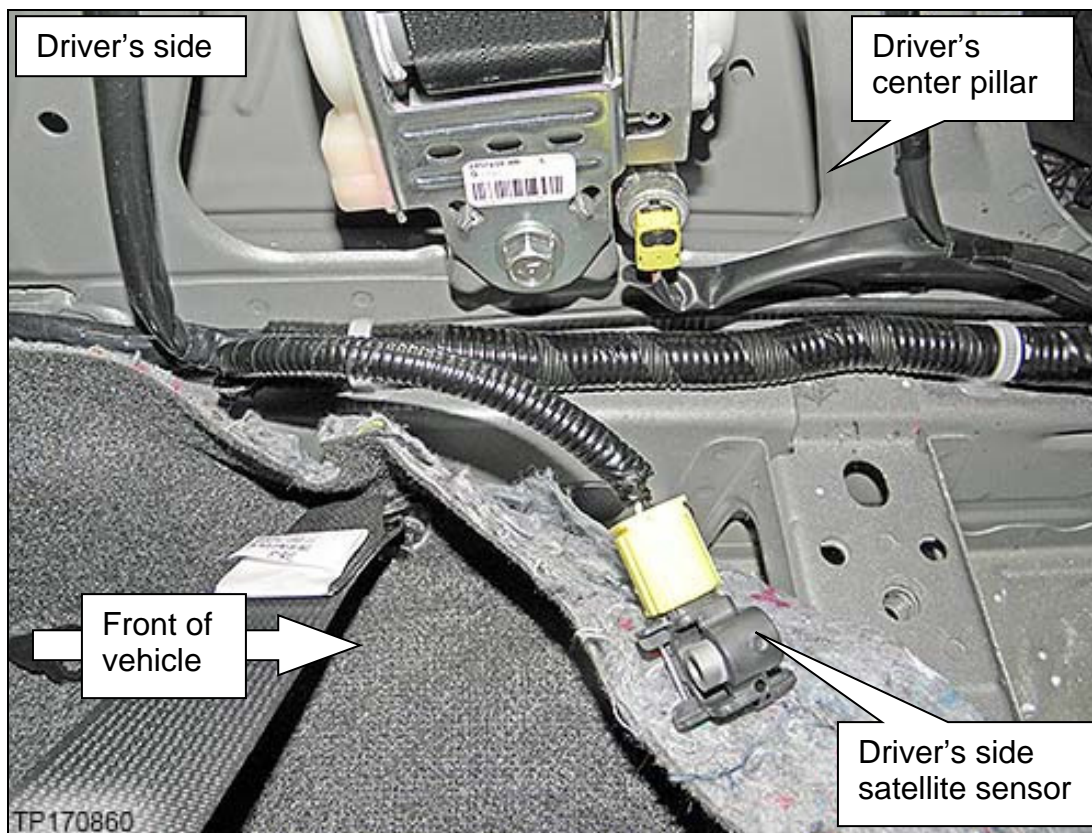
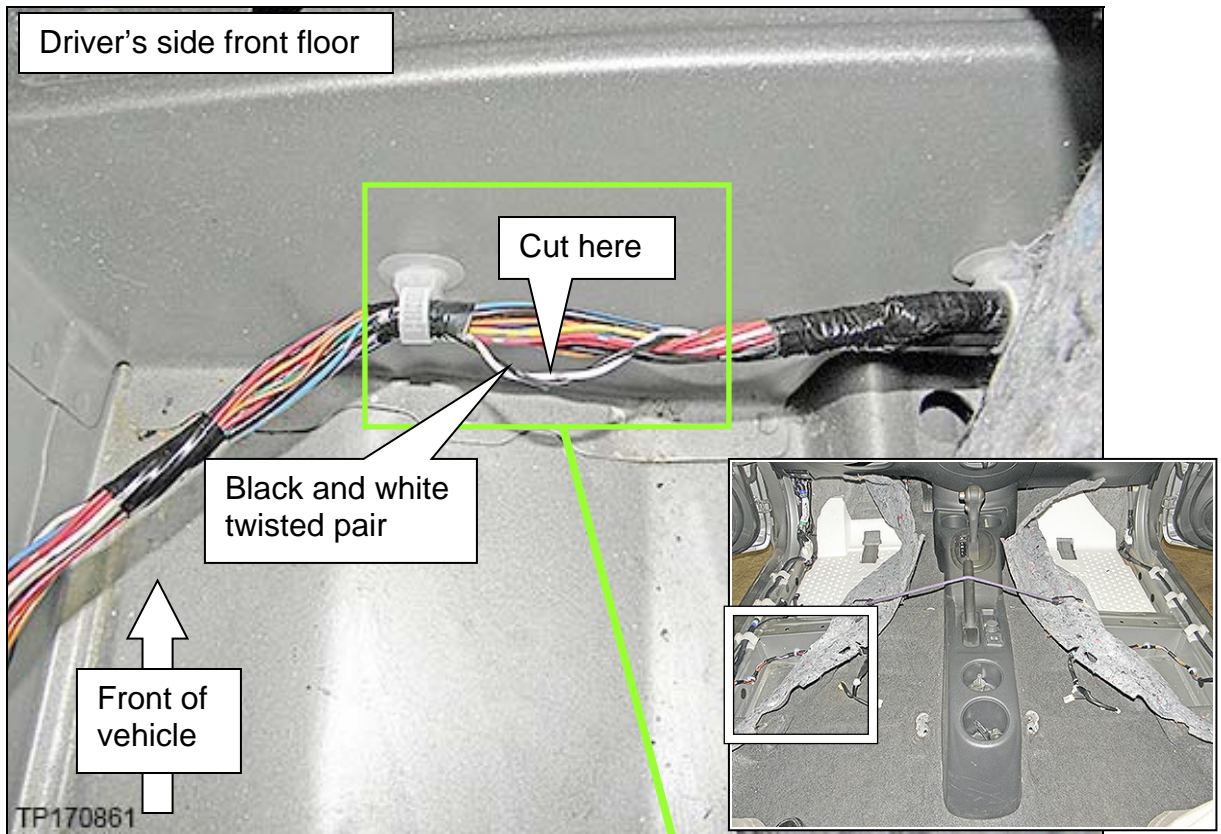
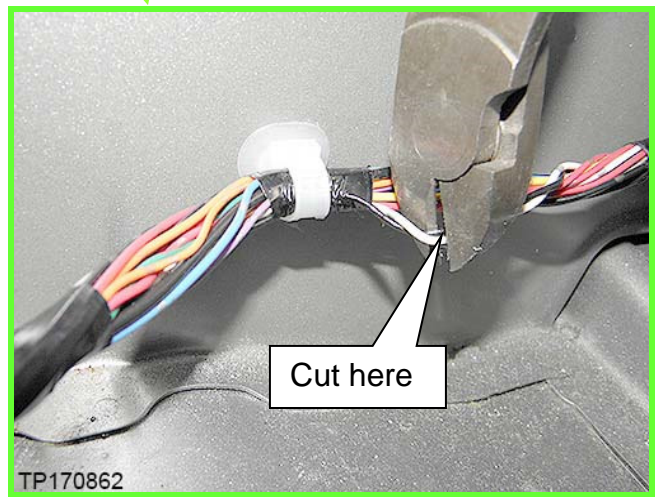


Figure 43

36. Locate the black and white twisted pair of wires for the Satellite sensor.



37. Cut through both the black and white wires where shown in Figure 45.
IMPORTANT: Only cut through the black and white twisted pair.



38. Unclip the four (4) harness straps shown in Figure 46 from the vehicle.

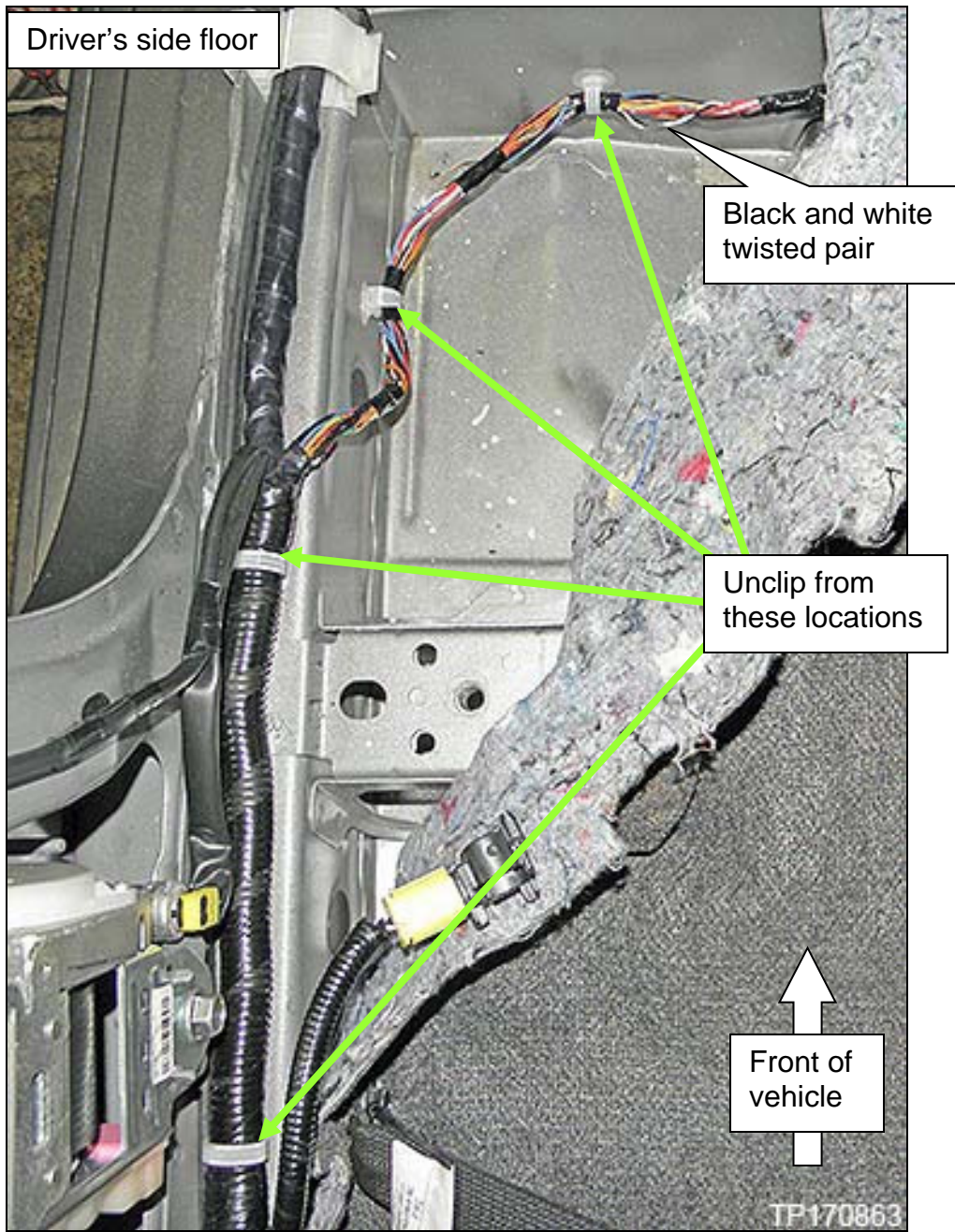


Figure 46

39. Cut all four (4) harness straps that were unclipped in step 38, from the harness.

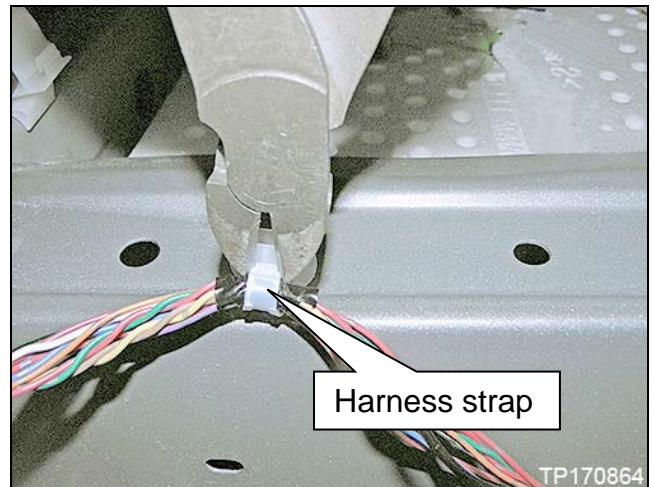


Figure 47

40. Gently cut through the black tape of the driver's side satellite sensor harness between the plastic corrugated harness protector and the harness joint.

- Do not cut through the black and white twisted pair.

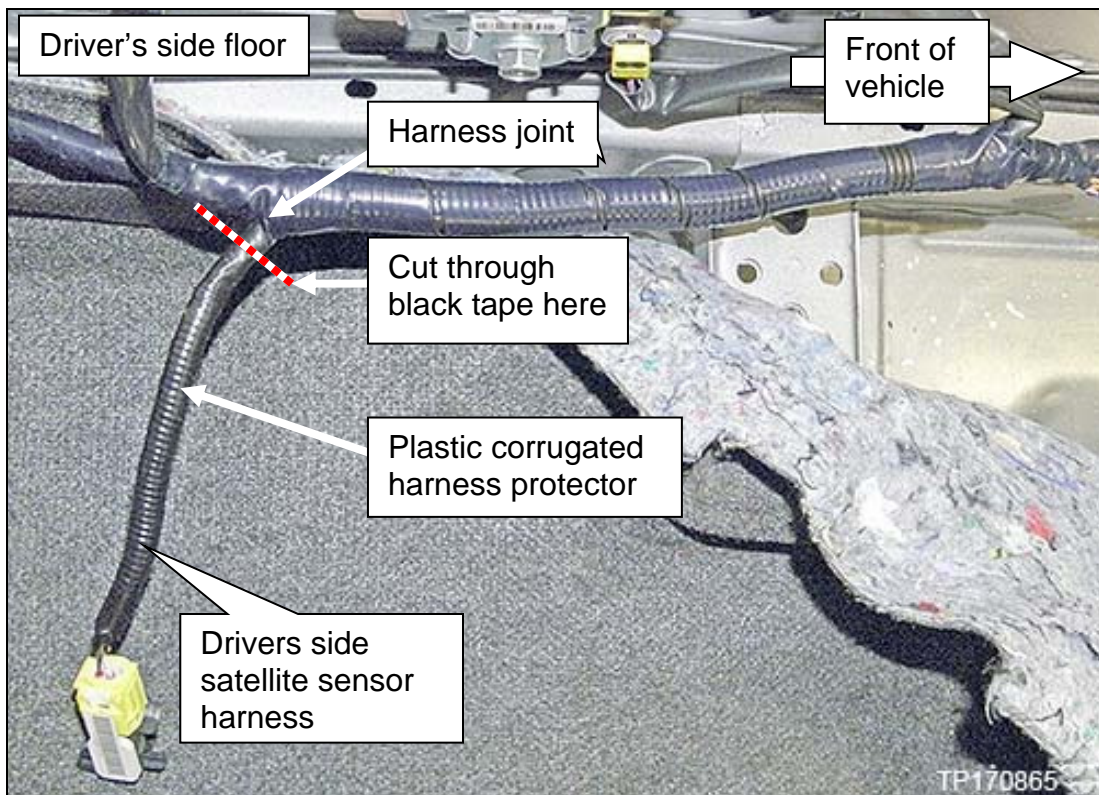


Figure 48

41. Unwrap the black tape from the corrugated tube where shown in Figure 49).

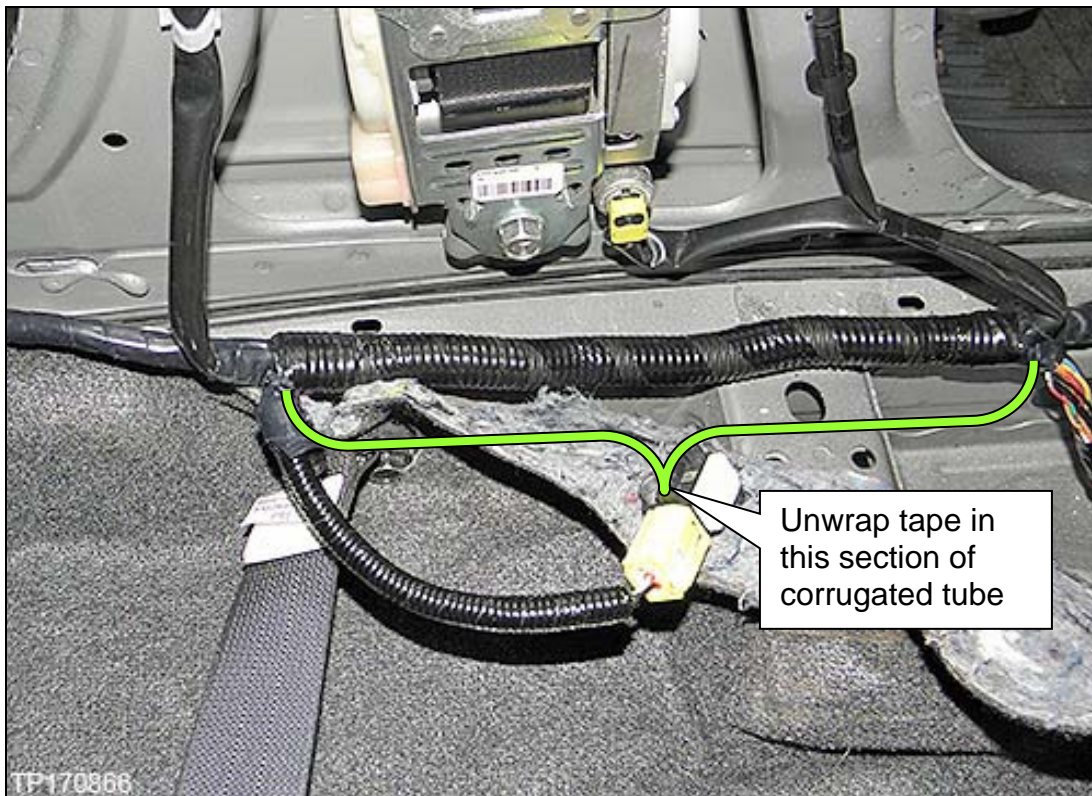


Figure 49

42. Remove the corrugated tube from the harness.

- The corrugated tube will be reused.



Figure 50

43. Remove the black and white twisted pair from the harness as follows:

- a. Pull the two wires together through each (four total) protective wrap, one at a time.

NOTE: Fourth protective wrap not shown in Figure 51.

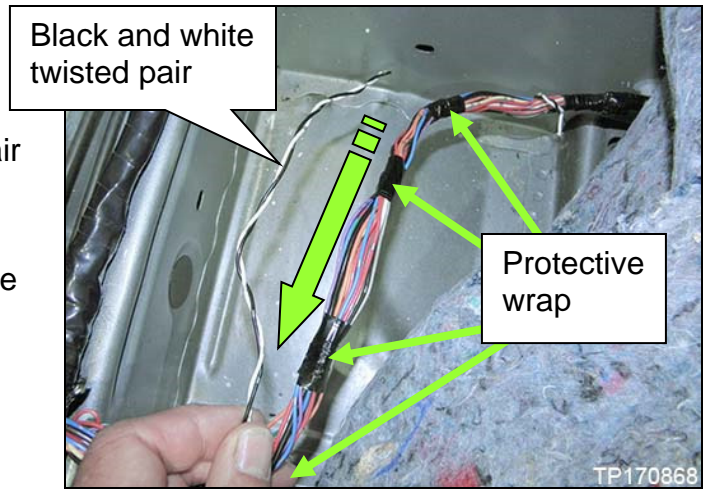


Figure 51

- b. From the Satellite sensor side, pull both wires out of the remaining harness.

NOTE: Leave the satellite sensor connected to the harness being removed. It will be replaced.

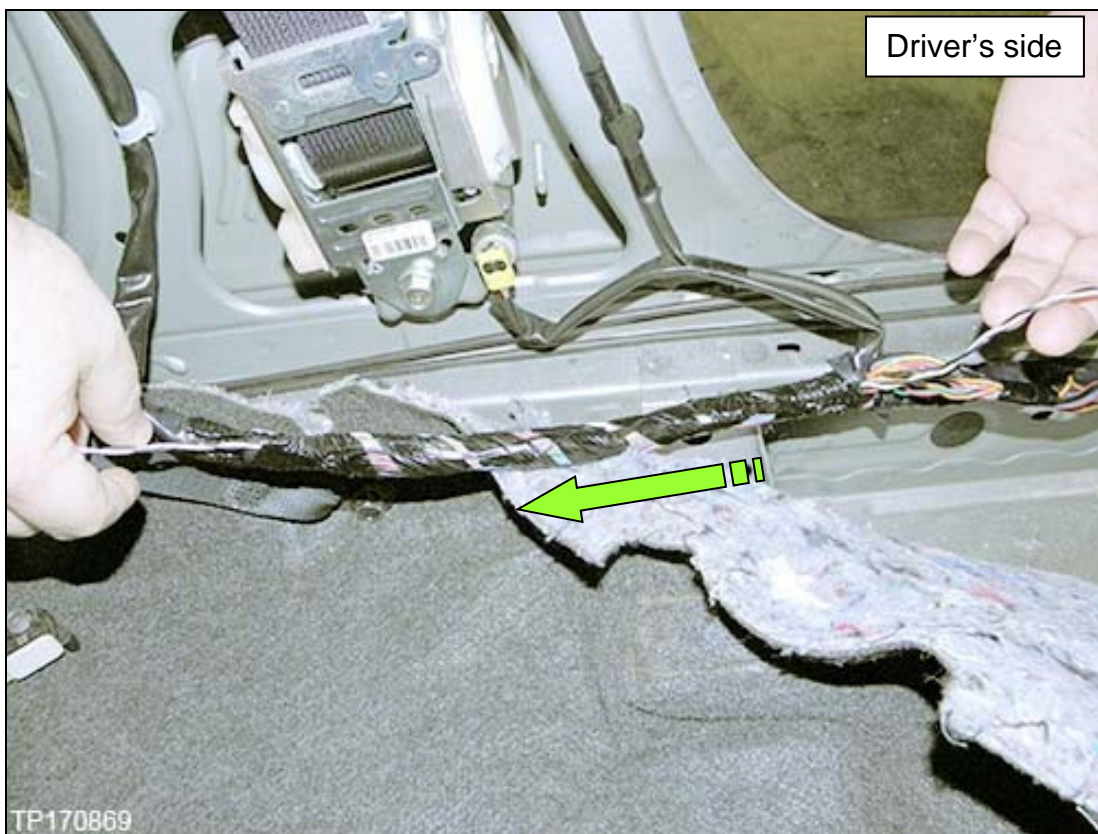


Figure 52

44. Remove the corrugated tube from the black and white wires that were just removed.
- The corrugated tube will be reused.

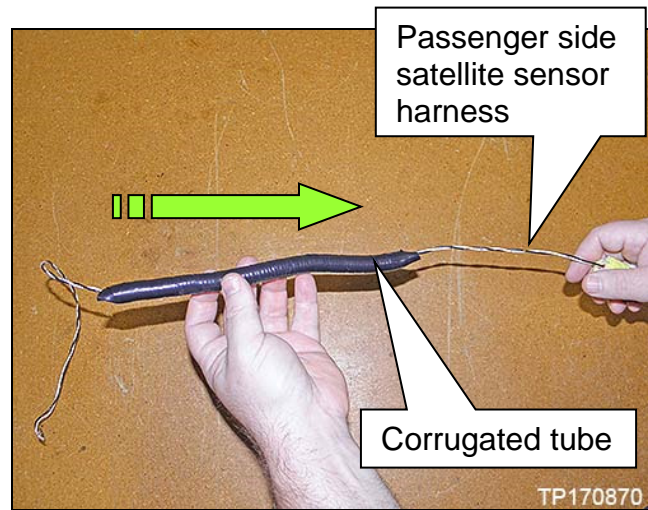


Figure 53

45. Slide the corrugated tube onto the new harness (black and white twisted pair).
46. Wrap the corrugated tube and new harness with tape provided in harness kit as shown in Figure 54.

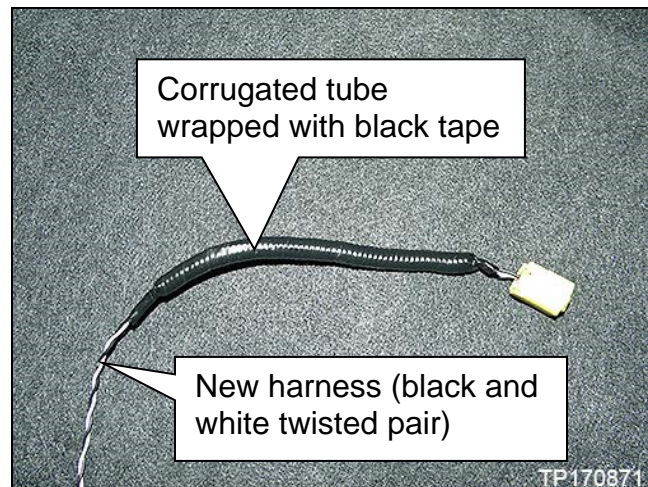


Figure 54

47. Strip approximately 10 mm (about 3/8 inch) of insulation from the wires that will be attached. See Figure 55.
- Two wires of the old vehicle harness.
 - Two wire of the new satellite sensor harness from the harness kit.

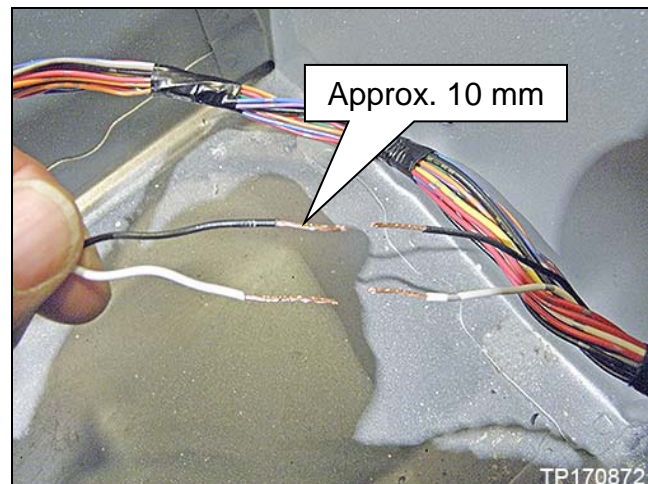


Figure 55

48. Slide a solder sleeve connector over one of the black wires and one of the white wires.

- Refer to the **PARTS INFORMATION** for solder sleeve connectors.

49. Twist together the two black wires and then the two white wires (see Figures 56 and 57).

IMPORTANT: Connect the black wire to the black and white wire to the white.

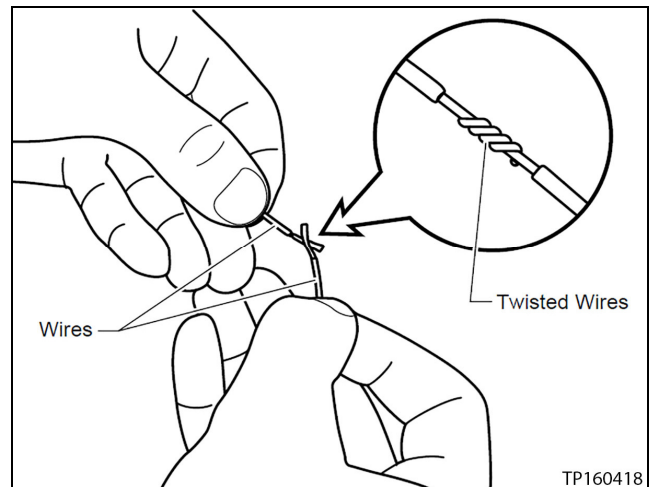


Figure 56

50. Position the solder ring in relation to the twisted wires as shown in Figure 57.

CAUTION: For the next step, do not use an electric type soldering tool. An electric type soldering tool may generate a current that may damage the ECU.

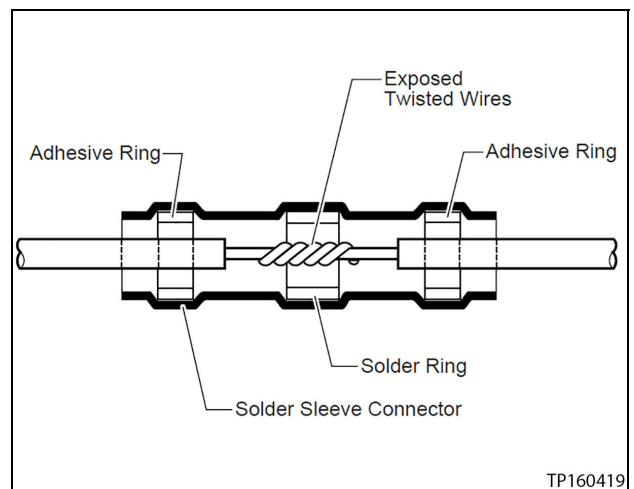


Figure 57

51. "Install" the solder sleeve connector by shrinking it to the wire with essential tool Flameless Heat Gun J-46538 or similar flameless heating tool (see Figure 58 and 59).

"Installing" the solder sleeve connector will:

- Melt the solder (silver ring inside the solder sleeve connector) into the exposed twisted wire area,
- Melt the sealant (red rings inside the solder sleeve connector) onto the wires, and
- Shrink the remainder of the solder sleeve connector to the wire.

NOTE: Tool J-46538 can be purchased from TECH-MATE at 1-800-662-2001.

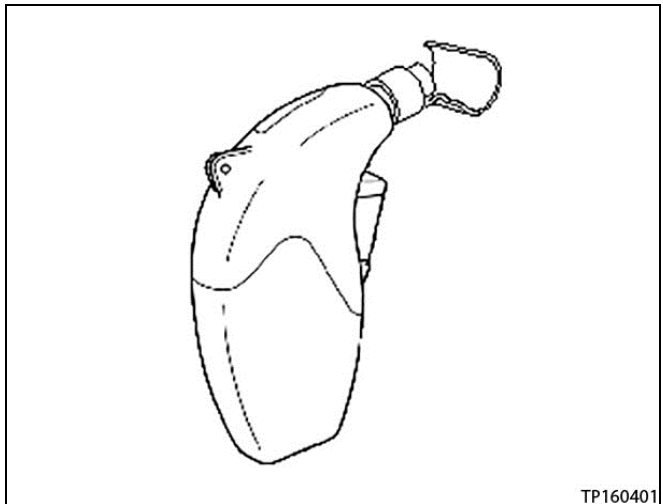


Figure 58

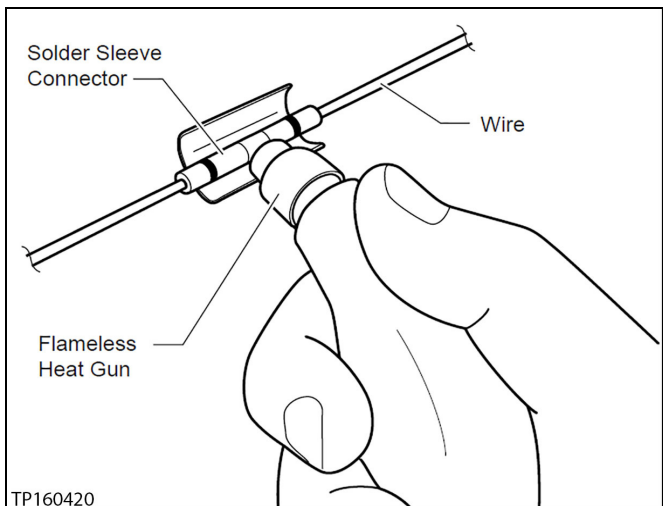


Figure 59

- Figure 60 shown with solder connections completed.

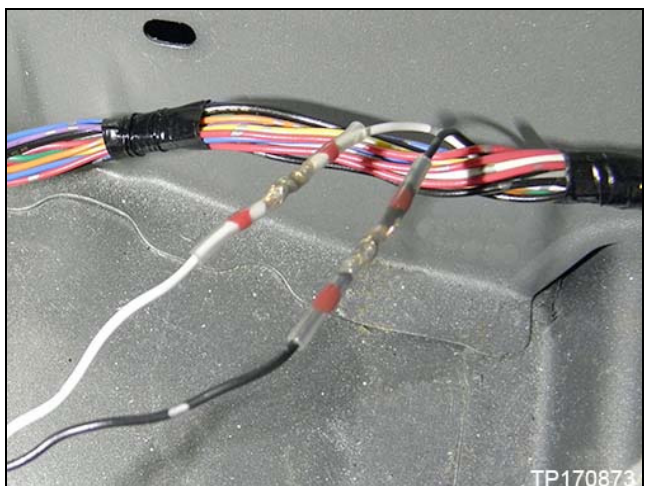


Figure 60

52. Attach the new black and white twisted pair to the pre-existing wire harness with the tape supplied in the harness kit.

- Attach at the locations shown in Figure 61 and 62.
- Wrap small amount of tape to hold black and white twisted pair in place.

NOTE: This will hold the black and white twisted pair in place when the harness is wrapped.

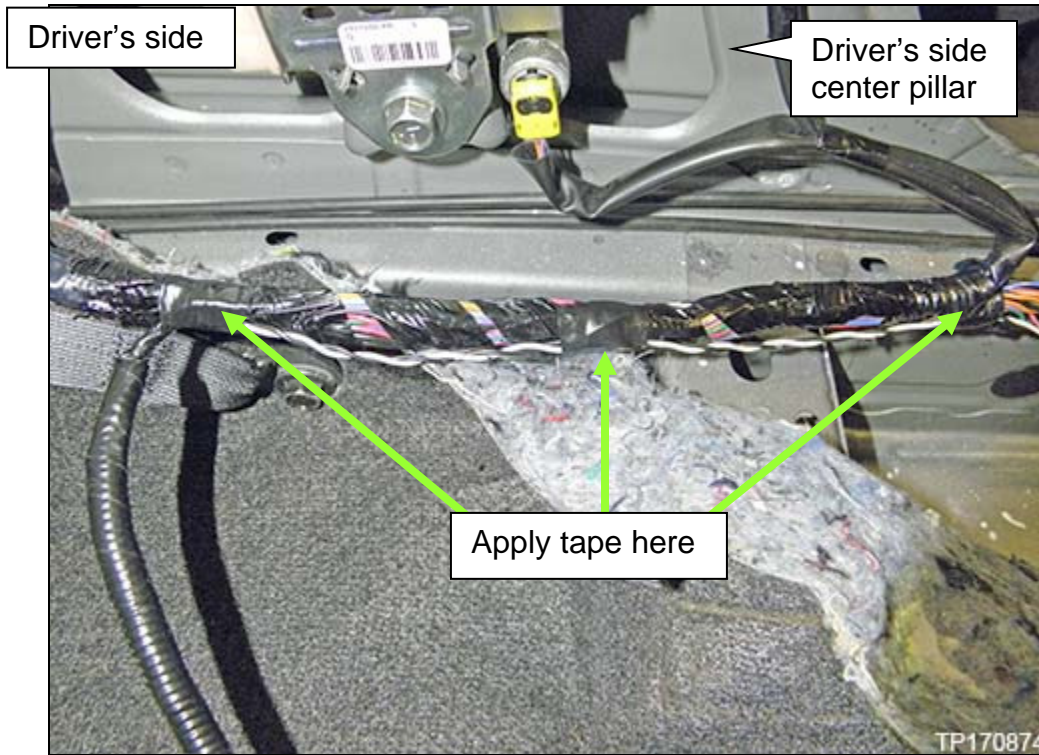


Figure 61

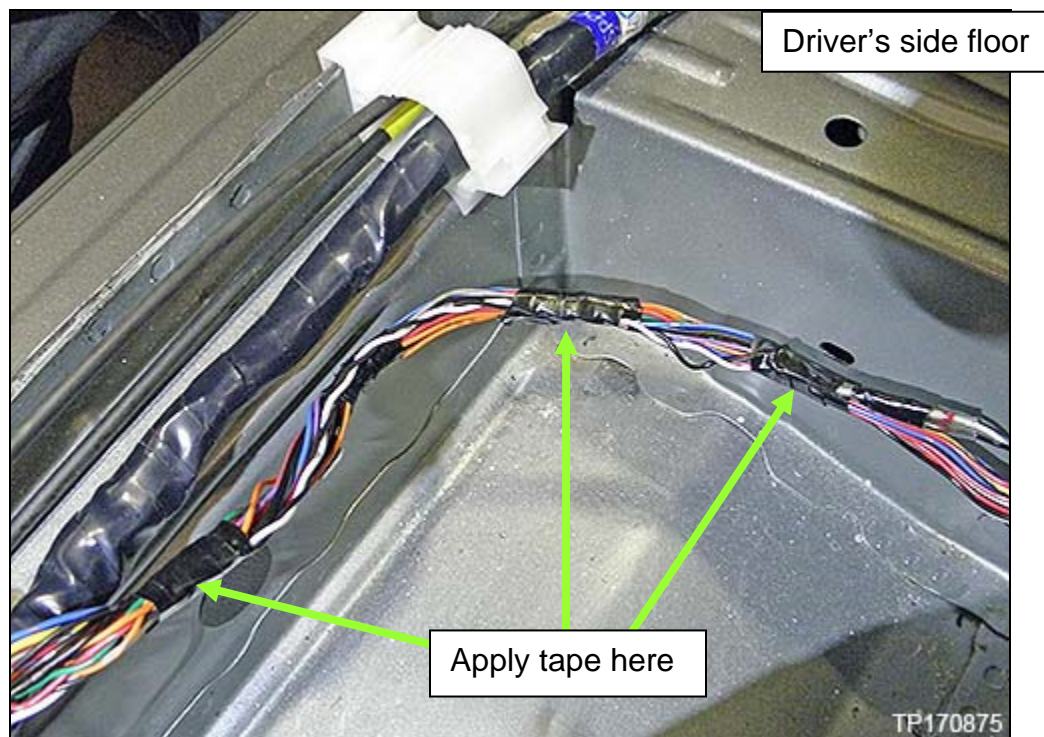


Figure 62

53. Reinstall the corrugated tubing over the harness (Figure 63).

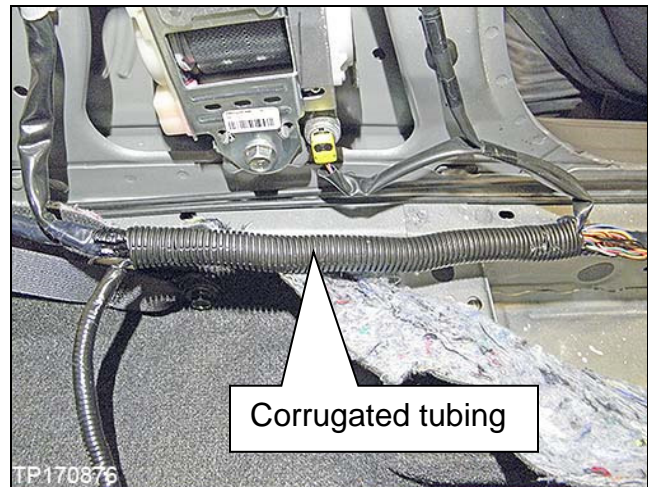


Figure 63

54. Completely wrap the new black and white twisted pair to the pre-existing vehicle wire harness with the tape supplied in the harness kit.

- Wrap the harness where shown in Figure 64 indicated by the dashed line.
- Overlap the tape wrapped onto the satellite sensor harness in step 46.

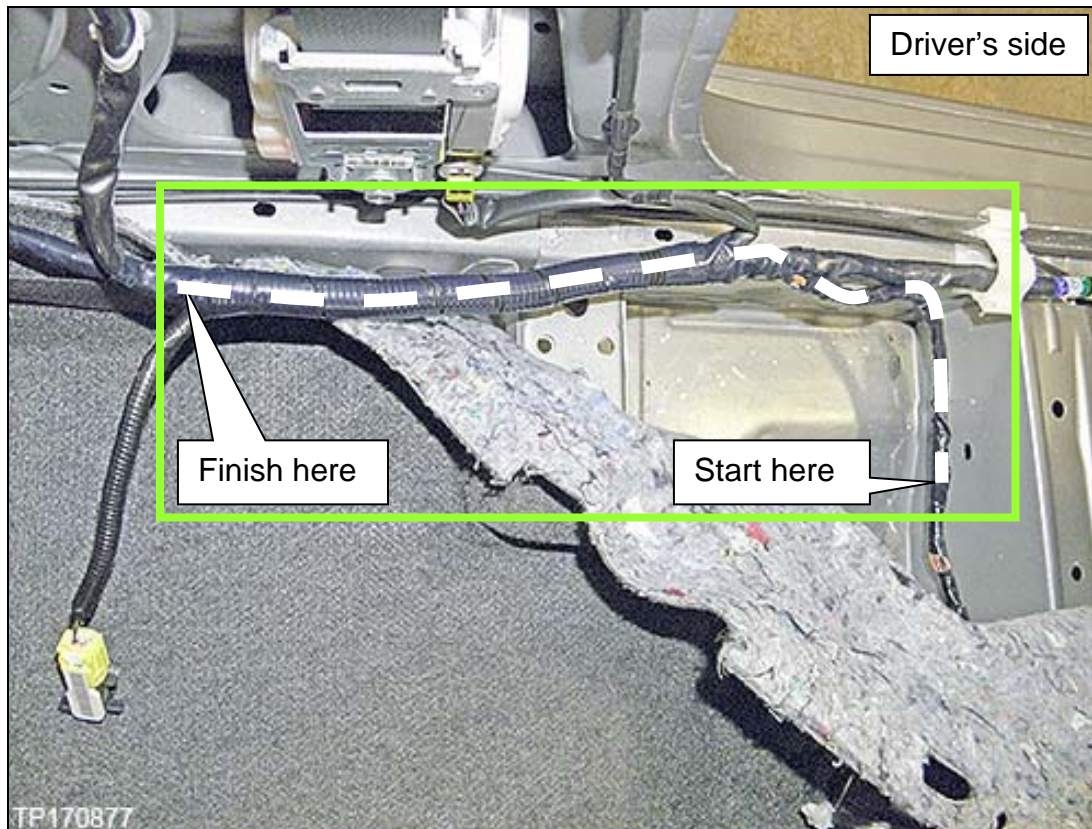


Figure 64

55. Reattach the newly wrapped harness to the vehicle floor with four (4) new harness straps.
- Harness straps are included with the harness kit. See **PARTS INFORMATION**.
 - Trim off excessive strap after attached.
56. Attach the new satellite sensor to the harness.

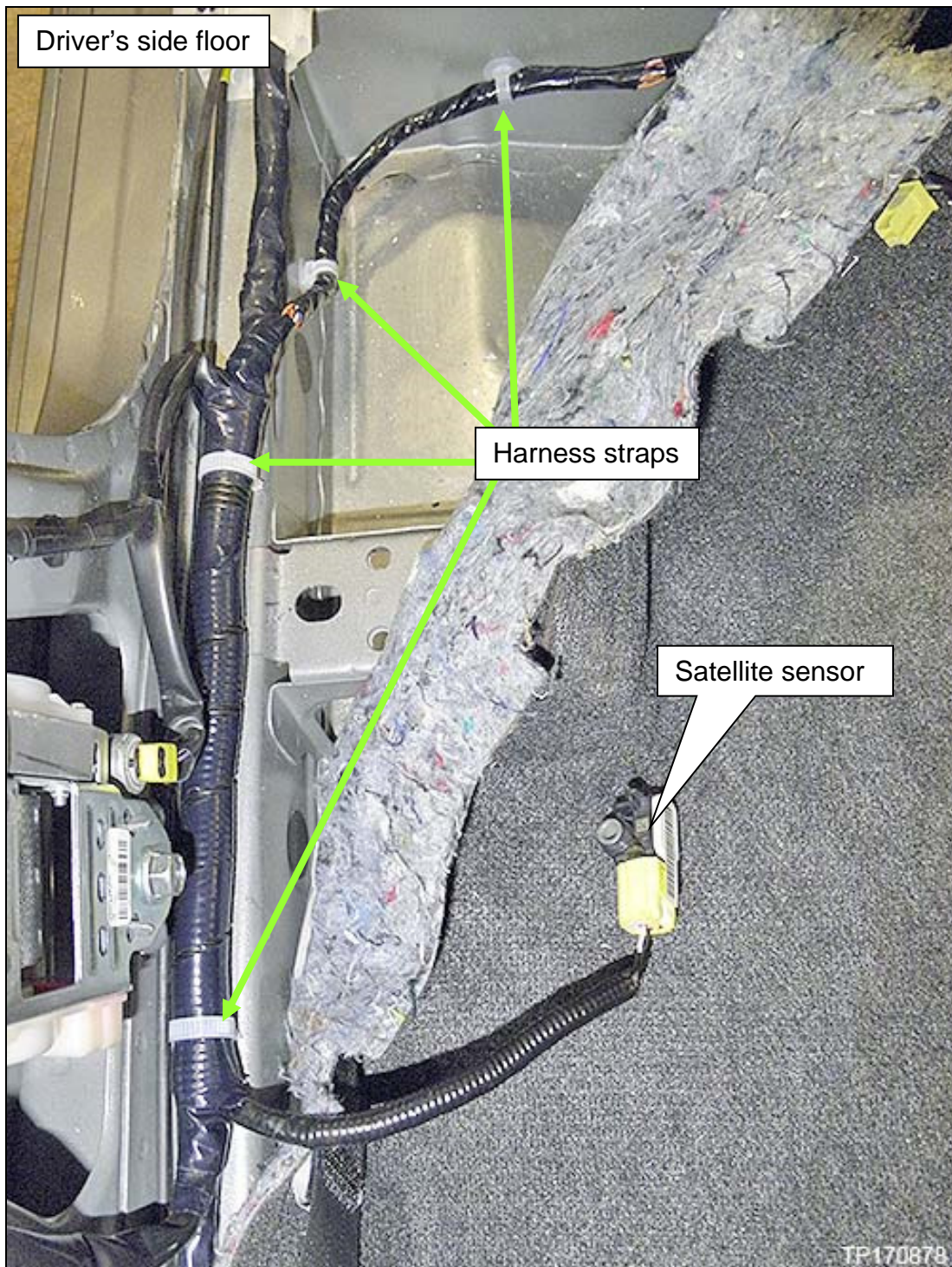


Figure 65

57. Route the satellite sensor harness behind the driver's seat belt pre-tensioner retractor.

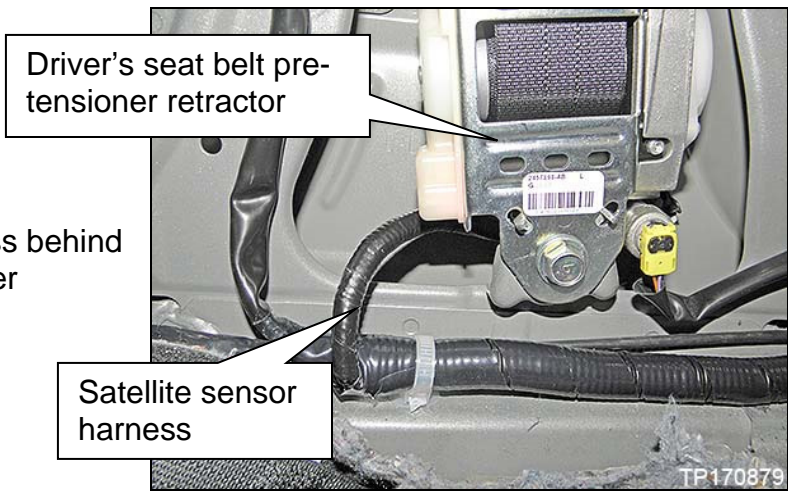


Figure 66

58. Slide the satellite sensor onto its stud and align with the alignment hole (see Figures 67 and 68).

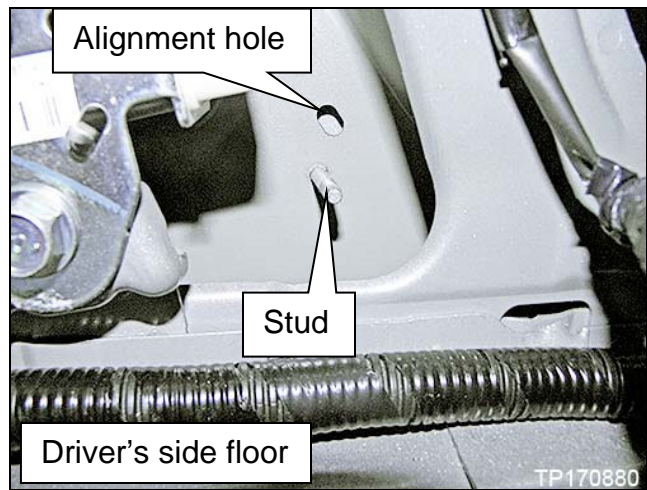


Figure 67

59. Install the satellite sensor with new nut.

- Use the new nut supplied with the satellite sensor.
- Torque to 10.8 N•m (1.1 kg-m, **8 ft-lb**).

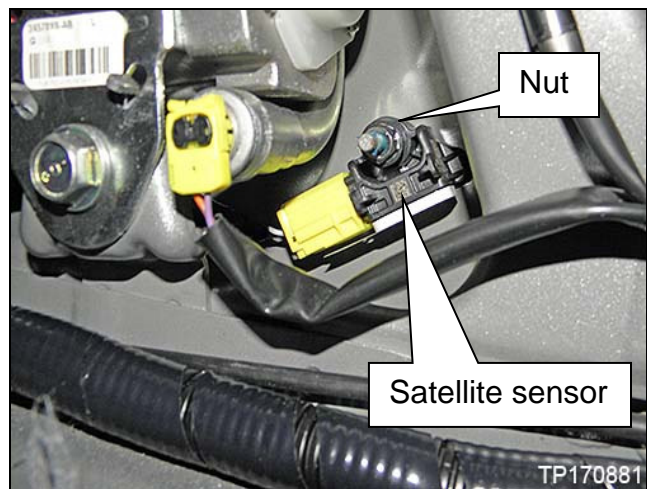


Figure 68

60. Reinstall the carpet and finishers in the reverse order of disassembly.

61. Reinstall the seats in the reverse order of disassembly.

- Reconnect all electrical connections that were disconnected during seat removal.
- Torque seat mounting bolts to: 40 N•m (4.1 kg-m, **30 ft-lb**)
- Refer to Figures 69 and 70 for torque sequence.

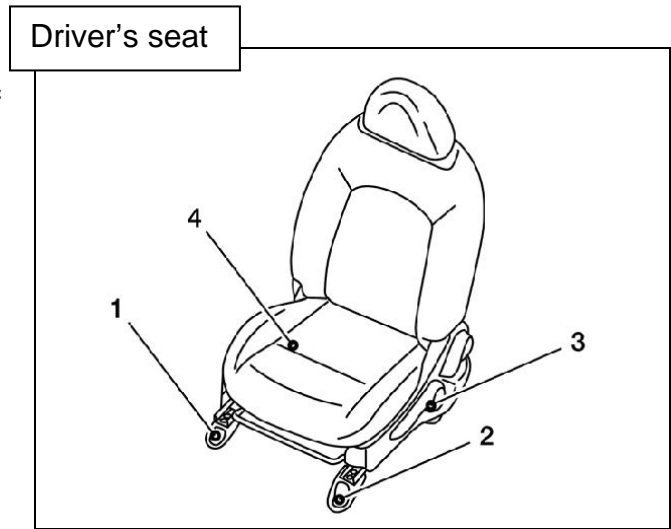


Figure 69

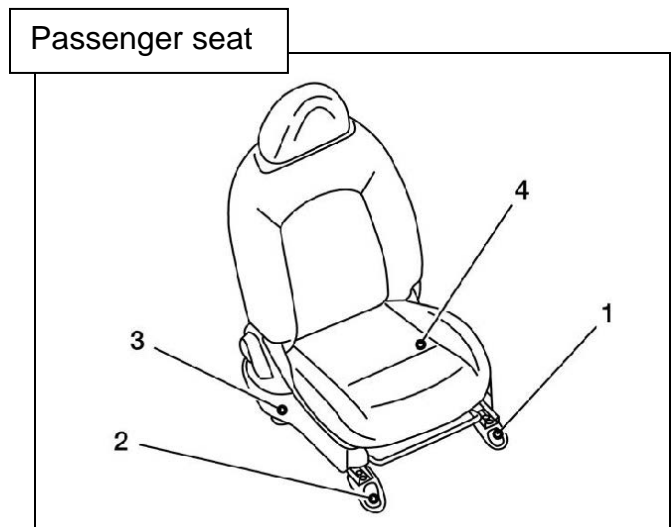


Figure 70

62. Re-connect both battery cables – positive cable first.

63. Reset customer setting that were lost when the battery was disconnected.

- Refer to the ESM, section **PG – Power Supply, Ground & Circuit Elements**, for a listing of systems that may lose settings or memory when disconnecting the 12V battery.
 - Look in the PG section index for **ADDITIONAL SERVICES WHEN REMOVING BATTERY NEGATIVE TERMINAL**.
 - This list often includes items such as audio, HVAC, power windows, clock, etc.

Proceed to the next page and perform Zero Point Reset.

Zero Point Reset

1. Prepare the vehicle for OCS zero point reset as follows:
 - **Level the vehicle.**
 - **No objects on the passenger seat or in the storage bin.**
 - **No occupants in the vehicle – including the servicing technician.**
 - PC is outside of the vehicle on a suitable support.
 - Do not set the PC on the vehicle.
 - Do not touch the vehicle during the OCS zero point reset.
 - Minimize vibrations of the vehicle.
2. Connect the plus VI to the vehicle.
3. Open / start CONSULT-III plus (C-III plus).
4. Turn the ignition ON, with engine OFF (engine not running).
5. Wait for the plus VI to be recognized.
 - The Serial No. will display when the plus VI is recognized.
6. Select **Diagnosis (One System)**.
7. Scroll C-III plus (All systems) and select **OCCUPANT DETECTION**.

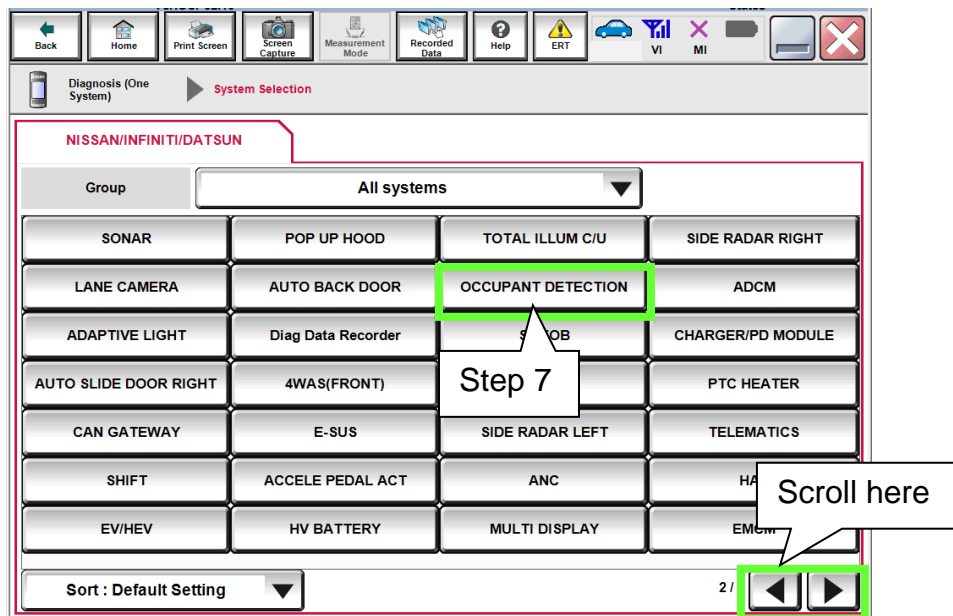


Figure 1A

8. Select **Zero point reset function**.

9. Select **Start**.

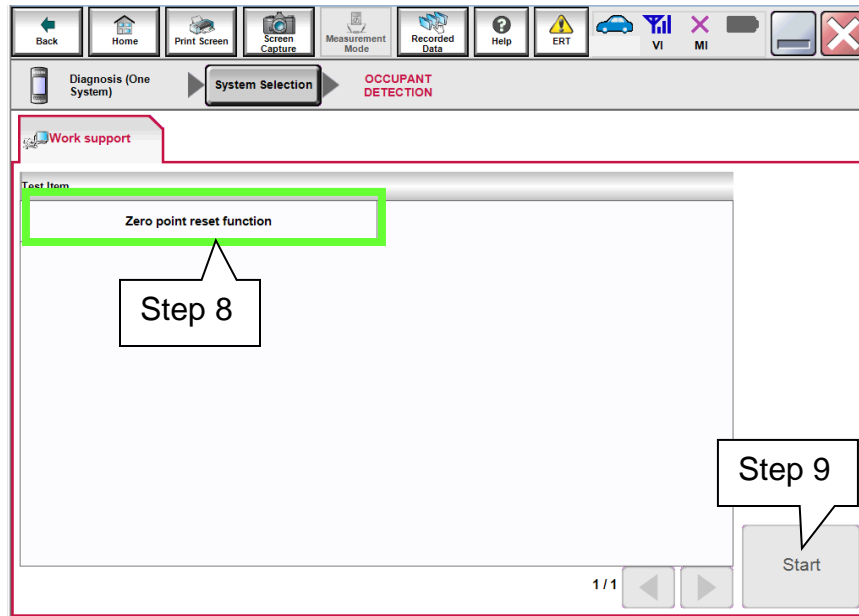


Figure 2A

10. Select **Next**.

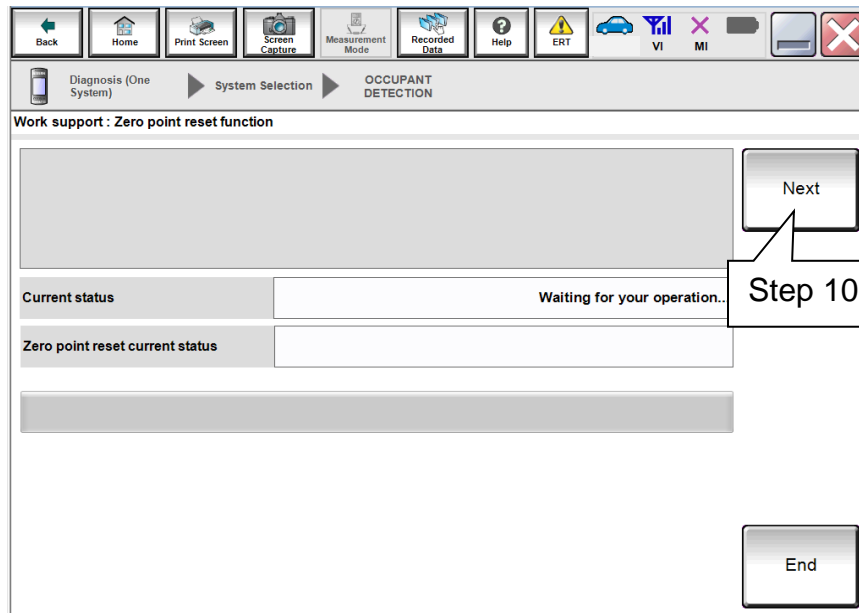


Figure 3A

11. Select **Start** and then proceed to step 12.

- After selecting **Start**, if Figure 5A is displayed:
 - a. Check the OCS control unit and confirm that harness connector is completely seated.
 - b. Turn the ignition OFF and then restart procedure from step 4 on page 34.

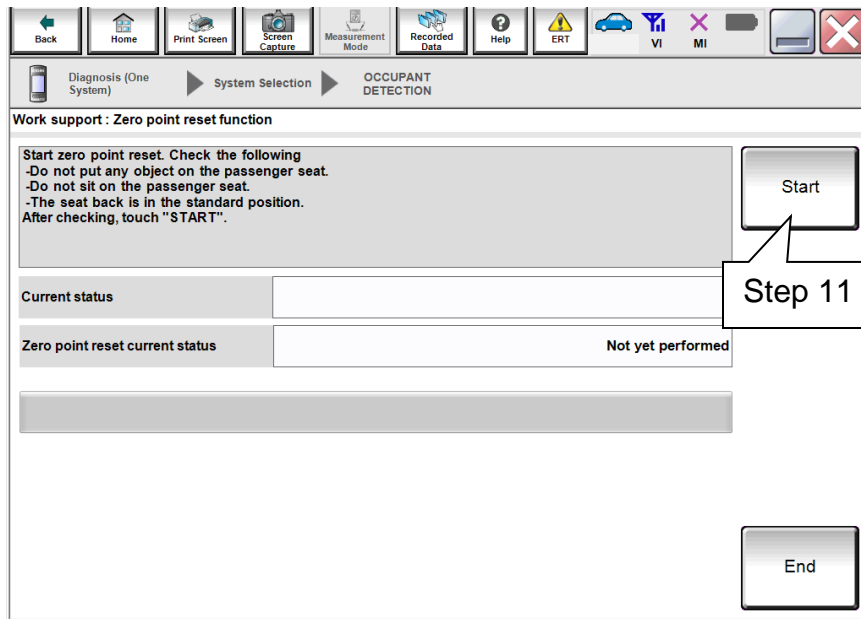


Figure 4A

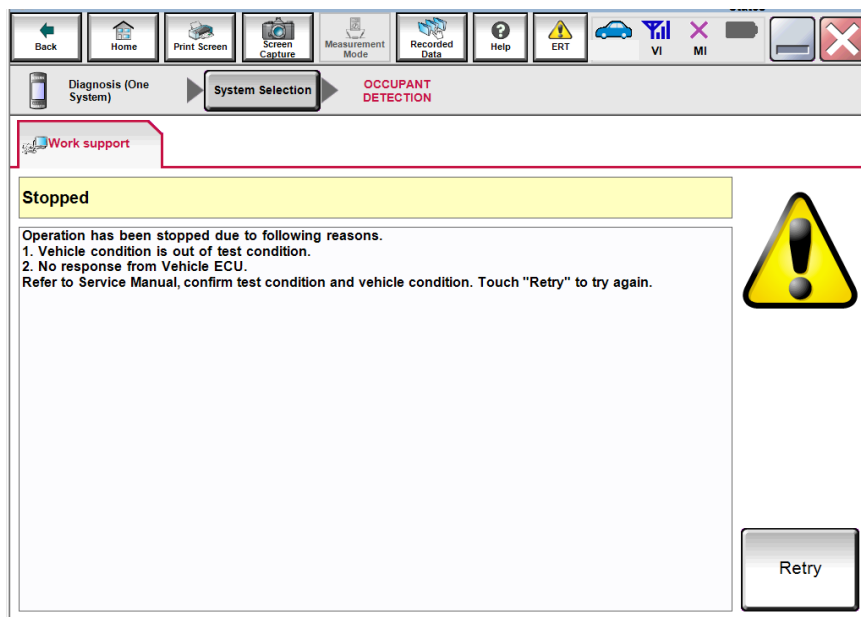


Figure 5A

12. Zero point reset will display “EXECUTING...”.

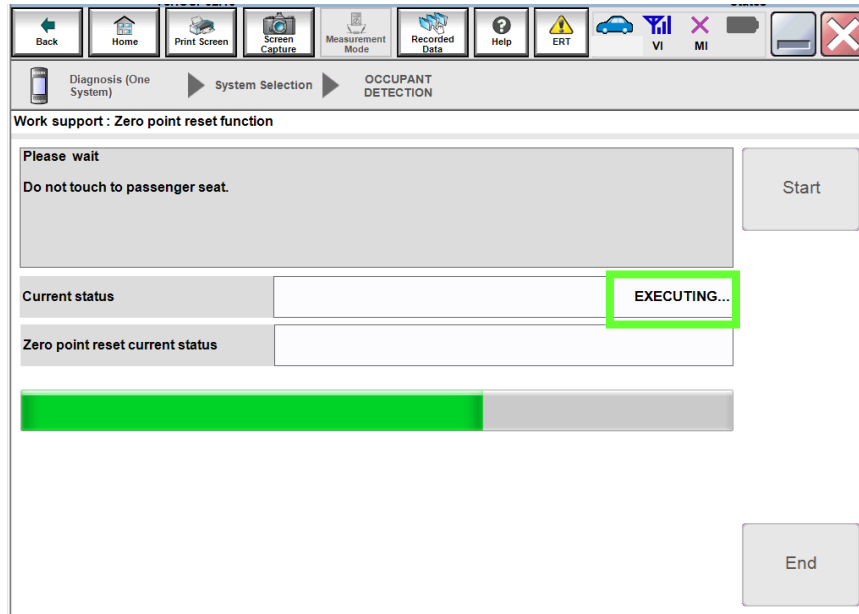


Figure 6A

13. When finished, "Completed" will display next to “Current status”.

- Select **End** and then proceed to step 14.

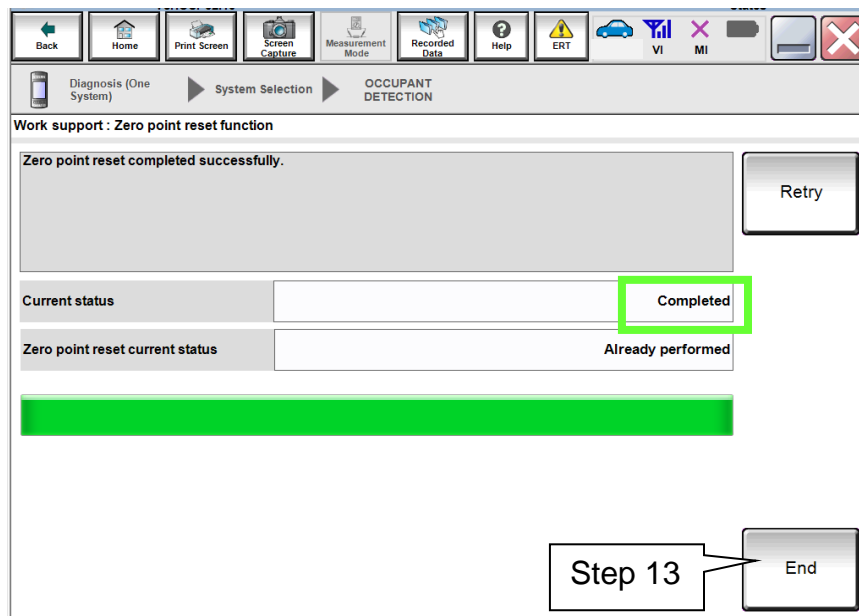



Figure 7A

14. Turn the ignition OFF and then back ON and observe the air bag warning light:

- The air bag warning light  should illuminate for 7 seconds and then go out.

NOTE: If the air bag warning light does not operate as described above there may be an issue not covered by this bulletin. Refer to ASIST and the appropriate Service Manual for additional diagnostic and repair information.

PARTS INFORMATION

DESCRIPTION	PART #	QUANTITY
SENSOR-SIDE AIRBAG KIT (2 Satellite sensors and nuts)	K8H30-1EA0A	1
HARNESS KIT (2 Jumper harnesses, tape and harness straps)	24009-9KS0A	1
Solder Sleeve Connector	24361-7990A	4

CLAIMS INFORMATION

Submit a "CM" line claim using the following claims coding:

CAMPAIGN ID #	DESCRIPTION	OP CODE	FRT
R1709	Install new satellite sensors and replace satellite sensors harness connector on both sides	R17090	1.6 hrs.