

Classification:

BT13-017

Reference:

ITB13-042

Date:

October 23, 2013

2011-2013 QX56; SECOND ROW SEAT HEATERS DO NOT WORK

APPLIED VEHICLE: 2011-2013 QX56 (Z62) equipped with 2nd row heated seating only

APPLIED VINs: All 2011 and 2012 vehicles

2013 2WD vehicles built before JN8AZ2NF(*)D9 550822

2013 4WD vehicles built before JN8AZ2NC(*)D9 350396

2013 2WD vehicles built before JN8AZ2NE(*)D9 061162

2013 4WD vehicles built before JN8AZ2ND(*)D9 750192

APPLIED DATES: All 2011 and 2012 vehicles

2013 2WD vehicles built before April 24, 2013

2013 4WD vehicles built before April 23, 2013

IF YOU CONFIRM:

Both seat heaters of the second row seats do not work.

AND

Fuse # 14 is found open (or "blown").

NOTE: This issue applies to both captain and bench type second row heated seating.

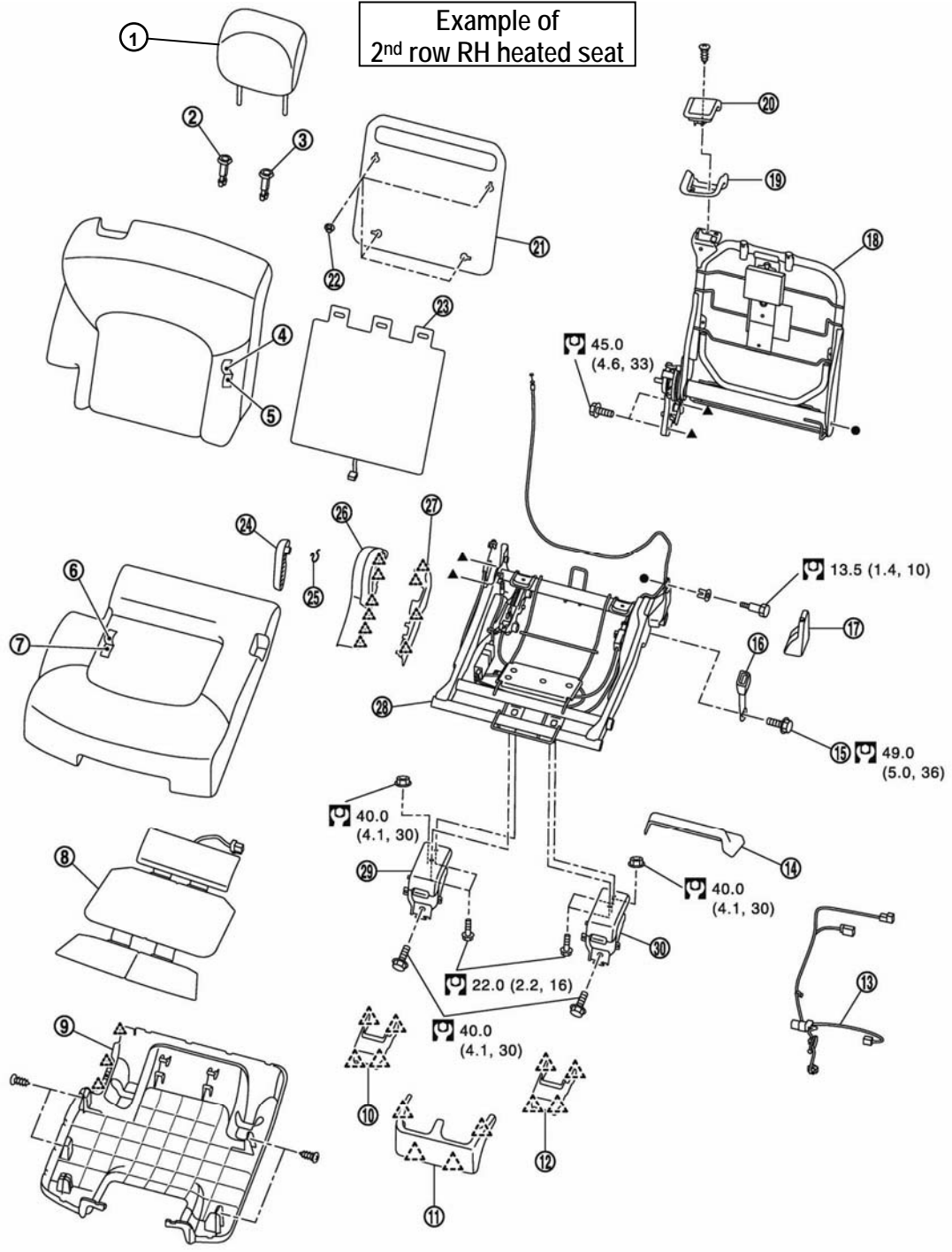
ACTION:

1. Repair the right side second row seat:
 - a. Clean off welding spatter on the seat hinge (the cause of harness damage), and then apply protective covering on the seat hinge.
 - b. Repair the damaged seat harness wiring or replace the seat harness as necessary.
- For repairs, refer to **SERVICE PROCEDURE** starting on page 3.

IMPORTANT: The purpose of **ACTION** (above) is to give you a quick idea of the work you will be performing. You **MUST** closely follow the entire **SERVICE PROCEDURE** as it contains information that is essential to successfully completing this repair.

Infiniti 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 Infiniti dealer to determine if this applies to your vehicle.

Example of
2nd row RH heated seat



- | | | |
|-----------------------------------|--|---|
| 1. Headrest RH | 2. Headrest holder (free) | 3. Headrest holder (locked) |
| 4. Seatback trim | 5. Seatback pad | 6. Seat cushion trim |
| 7. Seat cushion pad | 8. Seat cushion heater unit* | 9. Seat cushion under cover |
| 10. Seat cushion hinge cover RH | 11. Seat hinge cover RH | 12. Seat cushion hinge cover LH |
| 13. Seat harness assembly | 14. Seat cushion carpet | 15. Seat belt buckle anchor bolt |
| 16. Seat belt buckle | 17. Reclining inner cover (outside) | 18. Seatback frame |
| 19. Seat control lever escutcheon | 20. Rear seat lever assembly | 21. Seatback board |
| 22. Seatback board clip | 23. Seatback heater unit* | 24. Reclining lever knob |
| 25. Snap ring | 26. Reclining device outer cover (outside) | 27. Reclining device outer cover (inside) |
| 28. Seat cushion frame | 29. Seat hinge assembly RH | 30. Seat hinge assembly LH |

: Pawl

TP130603

SERVICE PROCEDURE

Second Row RH Captain and Bench Type Seat Harness Wiring Repair

NOTES:

- Pictures are taken from a QX56 with bench type second row heated seating. Captain seats are similar.
- Although most repairs are shown performed with the seat in the vehicle, repairs can be performed on a clean work bench with suitable covering.
- If repairs are performed in the vehicle, the RH seat and seatback will need to be repositioned multiple times depending on which step is being performed.
- The seat will need to be removed if the seat harness needs to be replaced.
- Protect interior surfaces around the seat with suitable covering before starting the repair procedure.

1. Unzip the inner and outer seatback zippers.
 - The ends of both zippers are tucked within the seat trim.



Figure 1

Figure 2

2. Unclip the full length of the bottom portion of the seatback trim with a suitable tool, and then peel it up and out of the way.



Figure 3

3. Unsnap both clips (one on each side), and then peel down the lower portion of the seat trim.

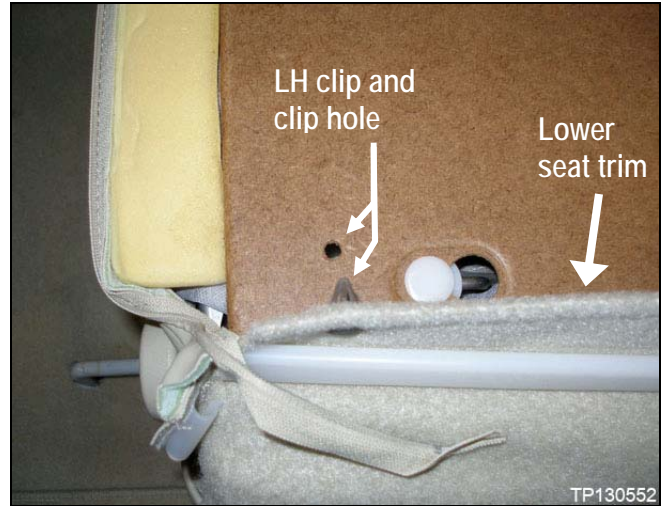


Figure 4

4. Similar to step 2, unclip the full length of the seat cushion trim, and then peel it down and out of the way.



Figure 5

5. Unfasten the lower cushion where secured by hook-and-loop (or "Velcro" type) fasteners by peeling them apart.



Figure 6

6. Unsnap the rear clips of the "reclining device outer cover inner" (or inner cover).



Figure 7

7. Unsnap the top clips of the inner cover.



Figure 8

8. Similar to step 2 and 4, unclip the lengths of the seat cushion trim on each side, and then peel them out of their grooves.



Figure 9



Figure 10

9. Carefully peel back the seat cushion trim and pad toward the front of the seat.



Figure 11

10. With the inner cover already detached, remove it by rotating clockwise and downward, and then removing from the backside of the seat (see Figure 12 and 13).

- The inner cover will need to be lifted above the LATCH anchor while rotating.

NOTE: This inner cover will not be reused and will be replaced by one with a new design (see **PARTS INFORMATION**).



Figure 12

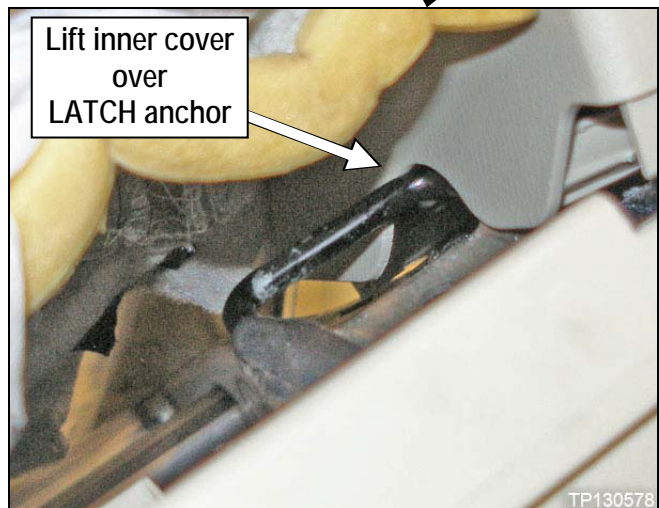


Figure 13

11. Inspect for and remove all weld spatter in the area where noted in Figure 15.

- Using a suitable hammer and chisel as shown in Figure 16, carefully chip off all spatter.
 - Do NOT chisel in an angle or direction other than shown in Figure 16.

NOTE: Make sure to use sufficient protective covering on and around the seat.

CAUTION: Do NOT use a grinding type tool as the removed material may get into the reclining device.

WARNING: Use suitable eye protection when chiseling.

12. Smooth off the chiseled areas and sharp edge with suitable sandpaper, and then clean off the area shown in Figure 15.

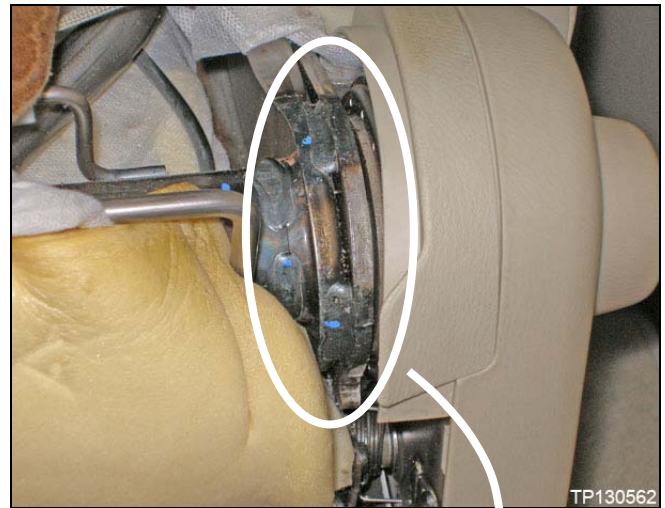


Figure 14

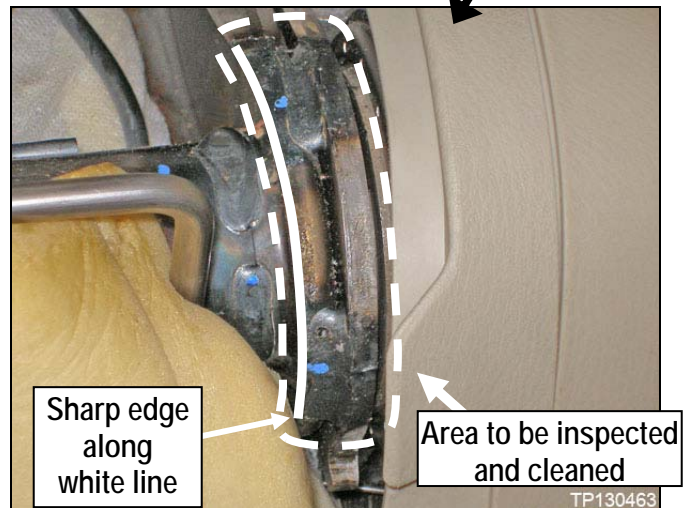


Figure 15

Direction of chiseling

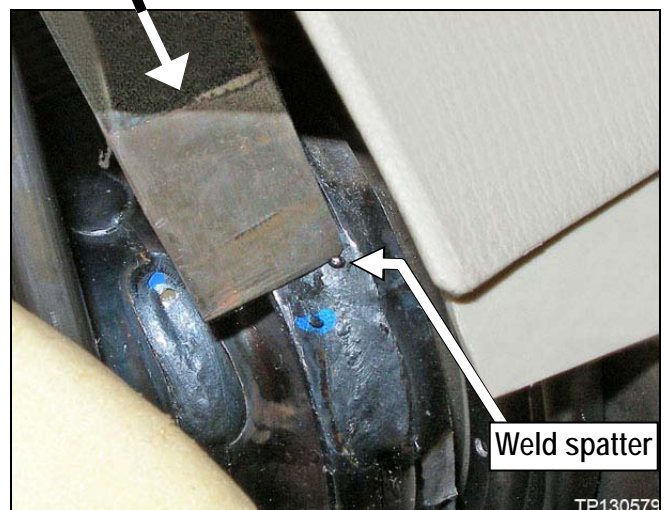


Figure 16

13. Apply a piece of 25 mm x 100 mm (1 inch x 4 inch) tape where shown in Figure 17 and 18.

- Use the tape listed in **PARTS INFORMATION**.
- Make sure to wrap the tape around the edge as shown in Figure 18.

14. Determine if the wiring in the seat harness can be repaired.

- If only one wire needs repairing, proceed with repairing the one wire, and then go to step 15 below.
 - Repair the wire only as outlined in ITB03-054.
- If two or more wires need repair, replace the seat harness.
 - Go to **Replace Seat Harness** on the next page before going to step 15 below.

15. Install the new inner cover (see **PARTS INFORMATION**).

- Route the seat harness as allowed by the new inner cover.

16. Reassemble the second row RH seat in reverse order of disassembly.

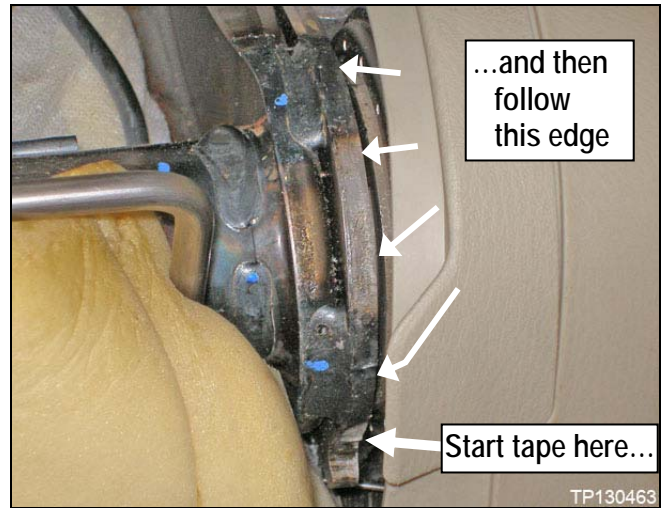


Figure 17

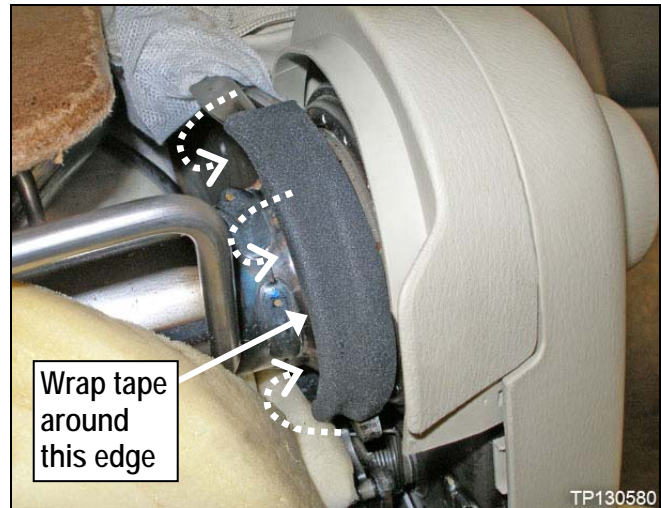


Figure 18

17. If the seat was removed, install it.

- Seat mounting nuts AND bolts torque: 40 N•m (4.1 kg-m, 30 ft lbs)

18. Replace the # 14 fuse.

19. Verify the repair.

If Needed: Replace Seat Harness

NOTES:

- The seat harness is to be replaced only if two or more wires are damaged.
- If the seat is still mounted in the vehicle, it will now need to be removed for harness replacement.

1. Remove the seat:

- Remove the hinge cover, and then remove the two bolts behind it.
 - Raise the seat, lift the trim, and then disconnect the seat harness.
 - Remove the two nuts, and then remove the seat.
- Perform seat repairs on a clean surface such as a work bench with suitable covering.

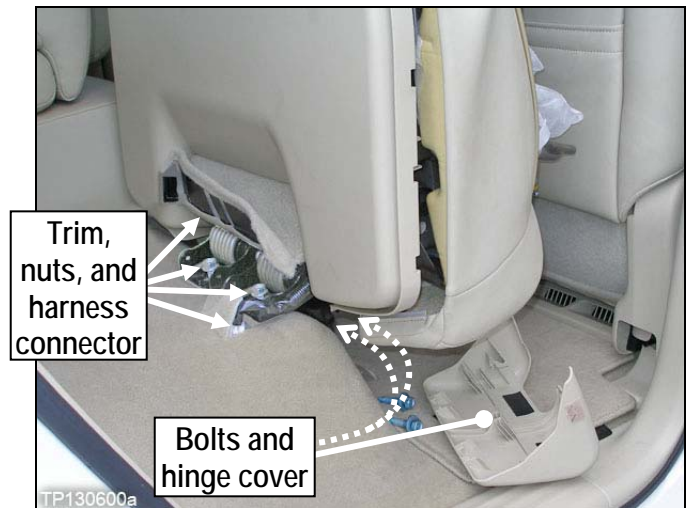


Figure 19

- Slide the four clips to line them up with the holes, and then move the seatback board out of the way.
- Disconnect the seat harness from the seatback heater unit's electrical connector (hidden behind the seatback board).

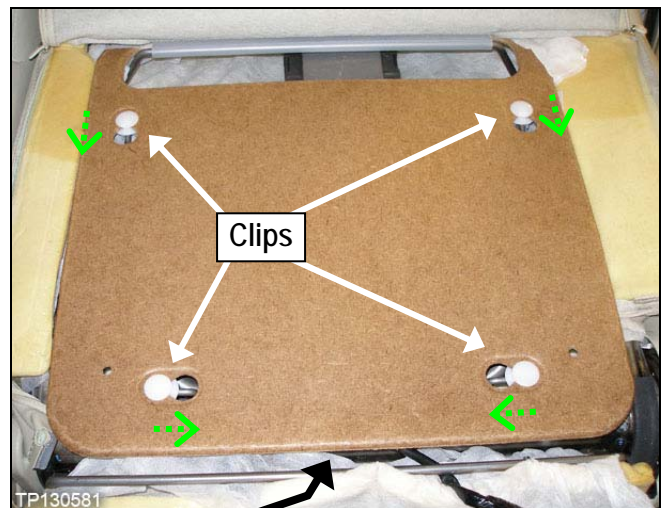


Figure 20

Seatback heater unit connector

6. Remove the four screws (two on each side) holding the seat cushion under cover.



Figure 21



Figure 22

7. Unsnap both outer reclining covers from the seat cushion under cover as shown below, and then carefully remove the seat cushion under cover.



Figure 23

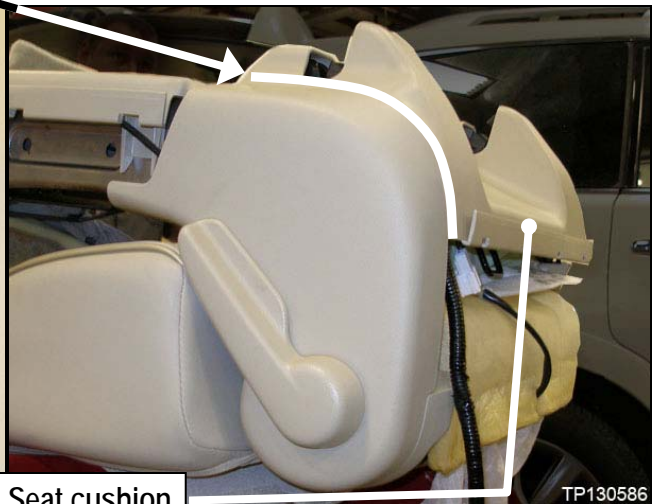


Figure 24

8. First, note the routing and securing of the seat harness, and then remove it.

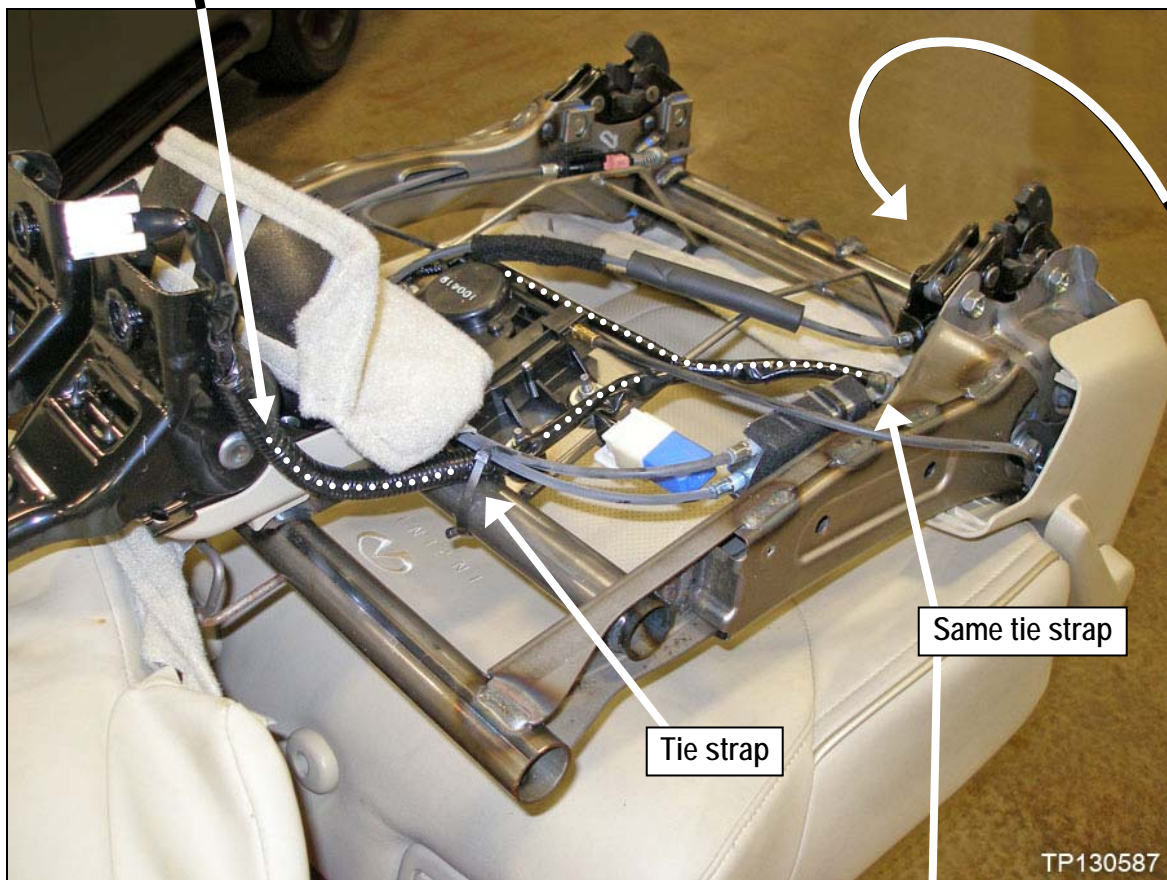


Figure 25

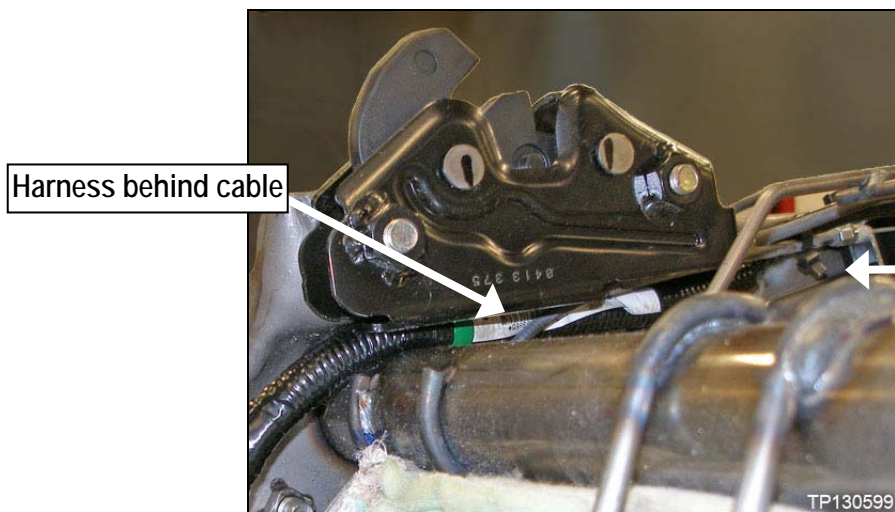


Figure 26

9. Route and secure (with two tie straps) the new seat harness the same way as the old seat harness.
10. Reassemble the seat cushion in reverse order of disassembly as given under **If Needed: Replace Seat Harness**, and then go to page 8, step 15.

PARTS INFORMATION

DESCRIPTION	COLOR	PART NUMBER	QTY
EPDM SEMI CLOSED CELL (tape, 2.5 mm thick)	--	J-50397-7 *	1
COVER-RECLIN DEVICE (inner cover)	"C" (Lt Beige)	88408-1LA1A	1
COVER-RECLIN DEVICE (inner cover)	"G" (Black)	88408-1LA1B	1
HARNESS, SEAT	--	88019-1LG6A	1 **
Tie strap (or wire tie)	--	--	2 ***

* Included in Squeak & Rattle Kit J-50397. To order, contact Nissan TechMate at 1-800-662-2001 or order online at: www.nissantechmate.com. Or, the link below goes directly to the part number on the e-commerce site for ordering: <https://tools.nissantechmate.com/en-US/Pages/ItemDetail.aspx?itemID=49779>

** Replace this part only if two or more wires are in need of repair.

*** Shop supply.



CLAIMS INFORMATION

Submit a Primary Part (PP) type line claim using the following claims coding:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Repair second row seat heater with harness repair	(1)	VX4LAA	ZE	32	1.2

(1) Refer to the electronic parts catalog FAST and use the appropriate Second Row Seat Heater Harness part number (88019-XXXXX) as the Primary Failed Part (PFP).

Or

Submit a Primary Part (PP) type line claim using the following claims coding:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Repair second row seat heater with harness replacement	(1)	VX4MAA	ZE	32	1.6

(1) Refer to the electronic parts catalog FAST and use the appropriate Second Row Seat Heater Harness part number (88019-XXXXX) as the Primary Failed Part (PFP).