



# VOLUNTARY RECALL CAMPAIGN

Classification: EL23-015	Reference: NTB23-050	Date: June 14, 2023
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## VOLUNTARY SAFETY RECALL CAMPAIGN 2022 SENTRA; COWL SEAM SEAL

**CAMPAIGN ID #:** PMA21  
**APPLIED VEHICLES:** 2022 Sentra (B18)

**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 model year 2022 Sentra vehicles to reseal the driver side cowl, inspect the E7-M37 harness connector for water intrusion or corrosion, and if necessary, replace the engine room harness and main harness. This service will be performed at no charge to the customer for parts or labor.

### IDENTIFICATION NUMBER

Nissan has assigned identification number PMA21 to this campaign. This number must appear on all communication 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.

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.

## REQUIRED SUPPLIES



Figure 1

- **Seam Sealer:** LORD Fusor 800DTM **OR** 3M Urethane Seam Sealer #08368.
  - LORD Fusor PN 999MP9G000P is available through the Nissan Maintenance Advantage program.
  - Both LORD Fusor 800DTM and 3M Urethane Seam Sealer #08368 can be purchased at Bodyshop Supply Retailers or some Auto Parts Suppliers.
- **Flat Brush:** 1” size or #10.
  - Flat Brushes can be purchased through Dollar type stores, large retail chain stores or craft stores.

## SERVICE PROCEDURE

1. Mark the location of the wiper arm assemblies on the windshield (Figure 2 and Figure 3).
  - Use a white or yellow China pencil/grease marker or equivalent.

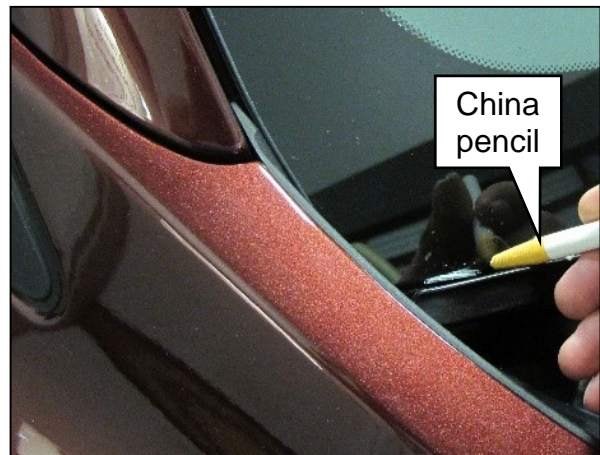


Figure 2



Figure 3

2. Open the hood.
  - Place the hood prop rod into position to secure the hood.

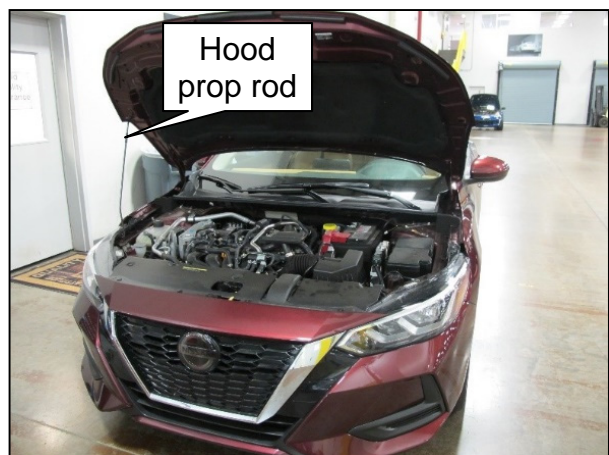


Figure 4

3. Place fender protection on both front fenders.

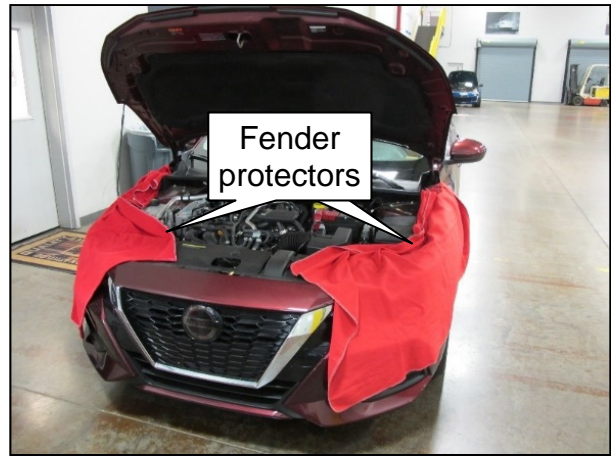


Figure 5

4. Remove the wiper arm assemblies (Figure 6 and Figure 7).
  - a. Remove both wiper nut caps.
  - b. Remove both 14 mm wiper nuts.



Figure 6

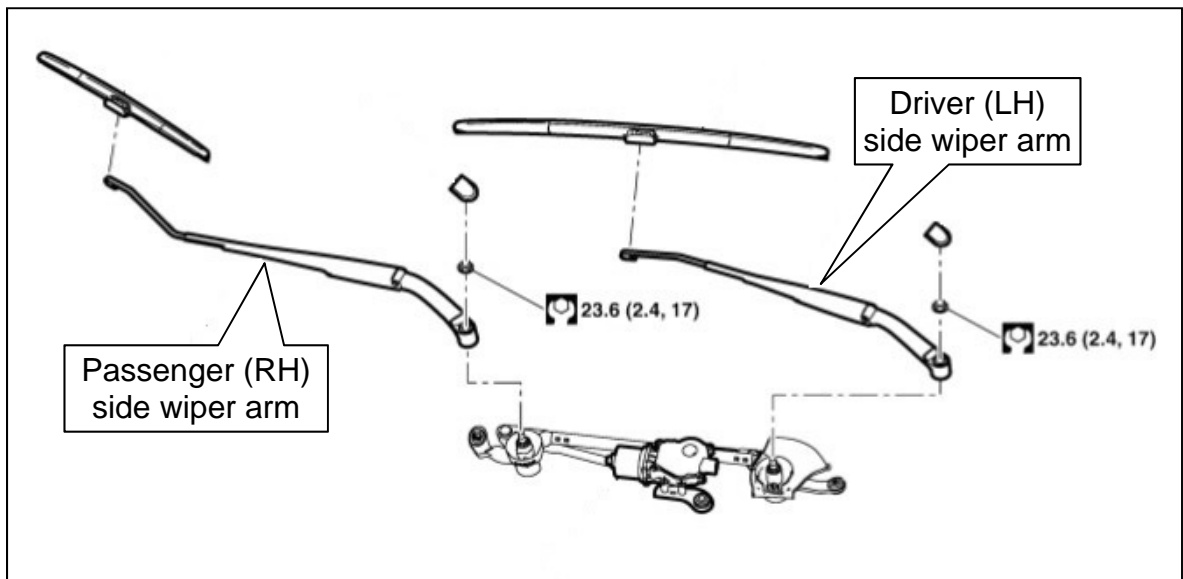


Figure 7

5. Remove the driver (LH) and the passenger (RH) cowl top side trim covers (Figure 8, Figure 9 and Figure 10).

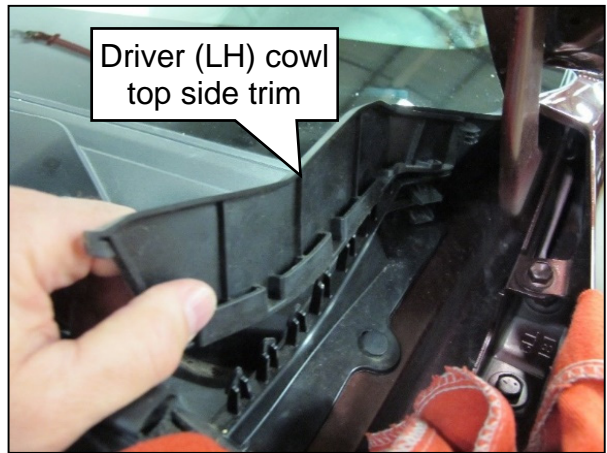


Figure 8



Figure 9

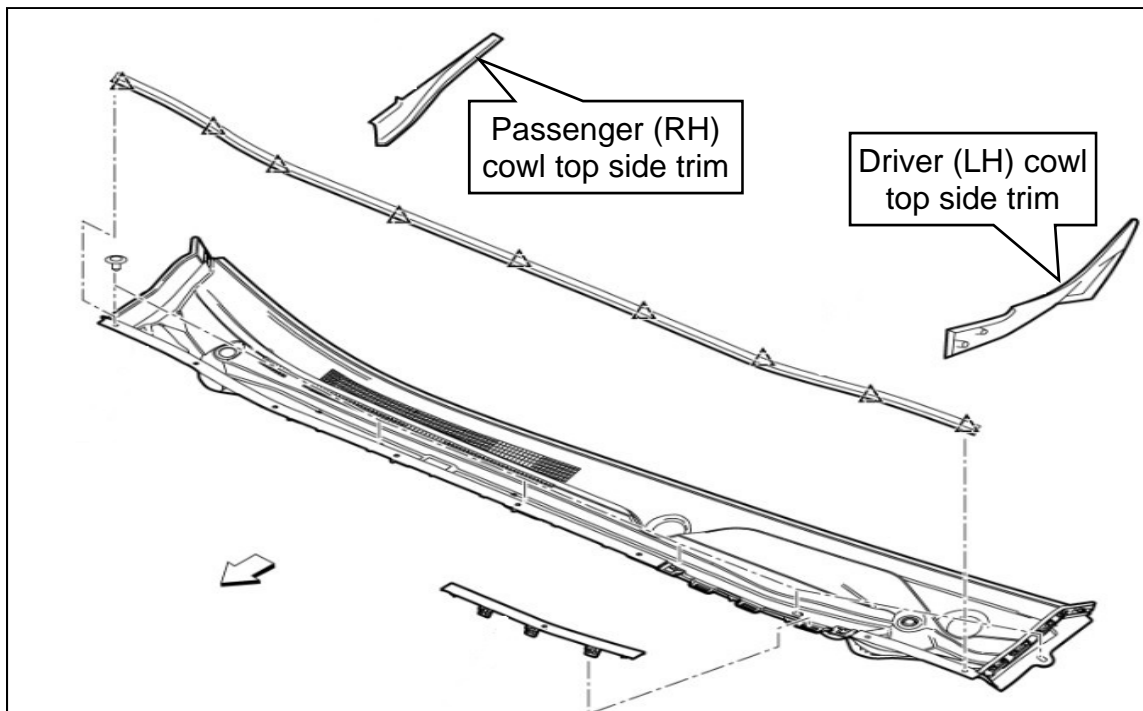


Figure 10

6. Remove the cowl top assembly (Figure 11).
  - a. Remove the six (6) retaining clips.
  - b. Gently remove the cowl top assembly making sure to not damage the windshield edge.

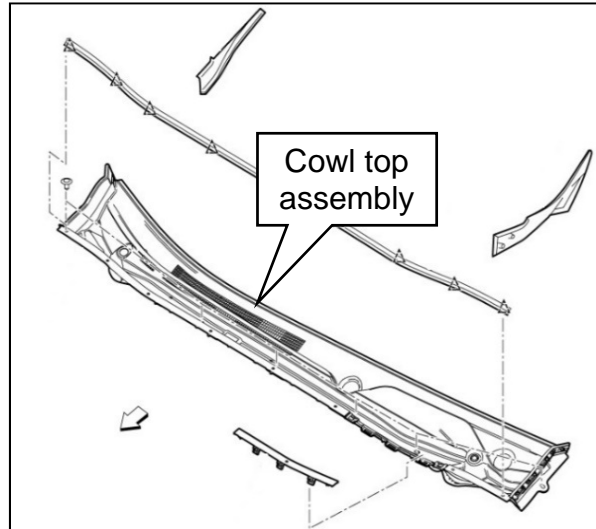


Figure 11

7. Disconnect the wiper motor harness connector (Figure 12).
  - Tuck the wiper motor harness connector under the cowl, as shown in Figure 13.

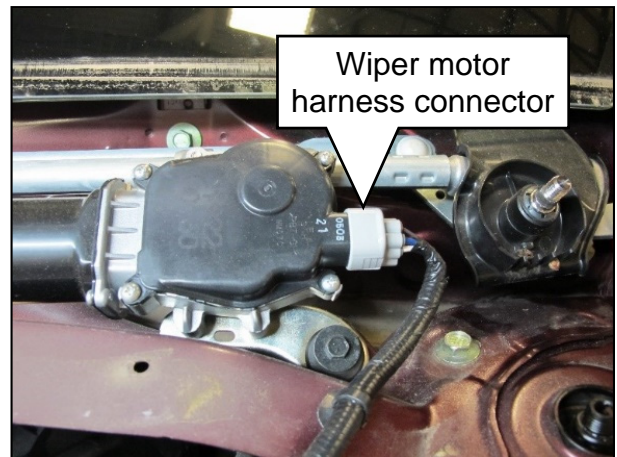


Figure 12

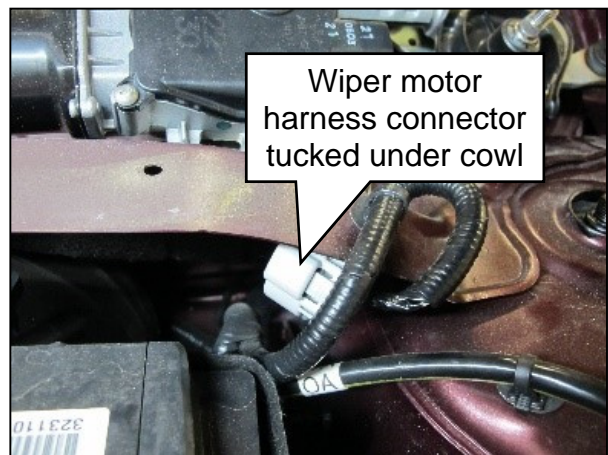


Figure 13

8. Remove the wiper drive assembly (Figure 14).
  - a. Remove the three (3) 10 mm retaining bolts, as shown in Figure 14.
  - b. Remove the wiper drive assembly and set it aside.

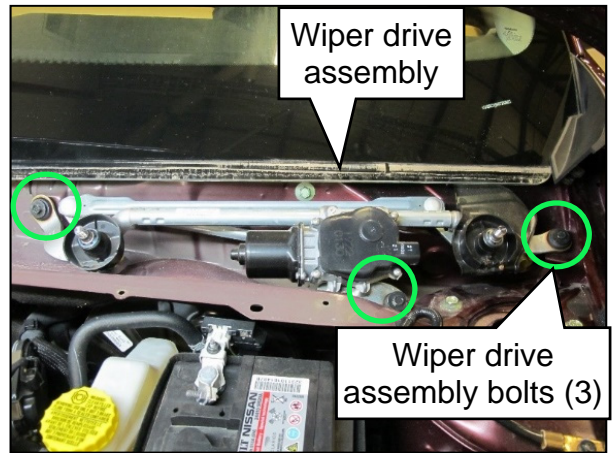


Figure 14

9. Locate the driver (LH) side cowl joint seams to be resealed, as shown in Figure 15 and Figure 16.
  - Figure 15 shows the general area of the driver (LH) side strut/cowl area.
  - Figure 16 is seen by looking down the windshield toward the engine bay under the open hood.



Figure 15

**HINT:** Use of a light source will assist with seam location.

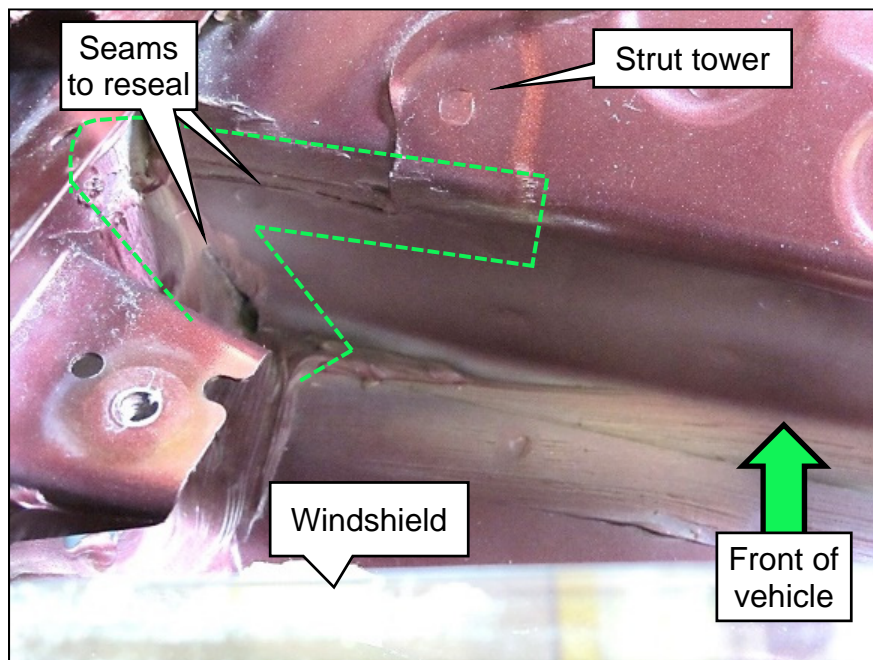


Figure 16

10. Prepare the cowl area for application of the seam sealer (Figure 17).

- Using a clean lint-free cloth and warm soapy water, clean the area to be resealed.
- Use compressed air to dry the area after cleaning.

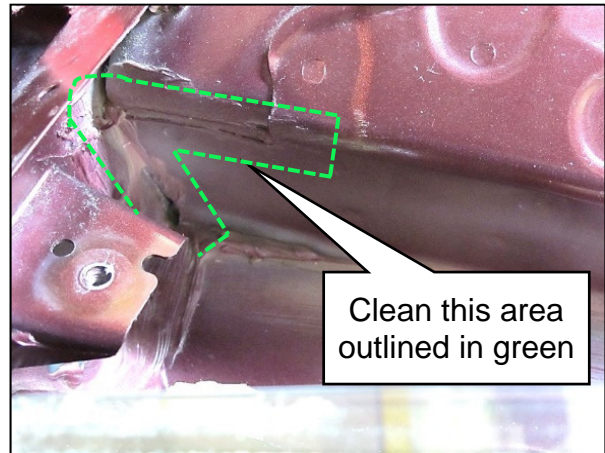


Figure 17

11. Prepare the seam sealer.

- If using 3M 08368 Urethane Seam Sealer, remove cartridge seal from the bottom of the cartridge tube.
- Puncture the top end of the seam sealer cartridge tube (threaded outlet).
- Install the applicator nozzle.
- Insert the cartridge tube into an appropriate caulking gun.
- Make sure to read and understand all instructions, precautions, and warnings on the cartridge tube of the seam sealer.

12. Apply 1" of the seam sealer on the flat brush (Figure 18).

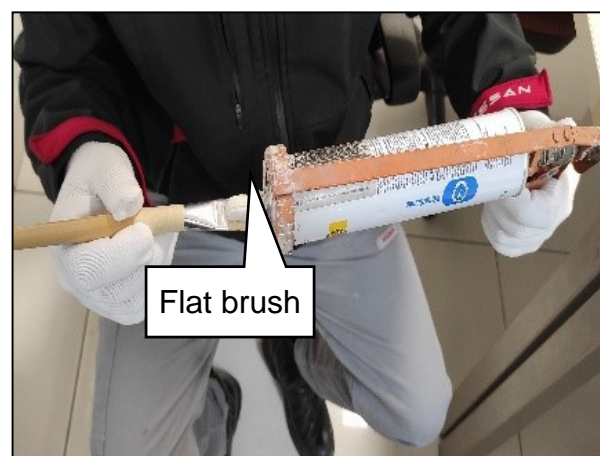


Figure 18



13. Using the brush with the seam sealer on it, apply the seam sealer to the joint seams identified in Figure 19.

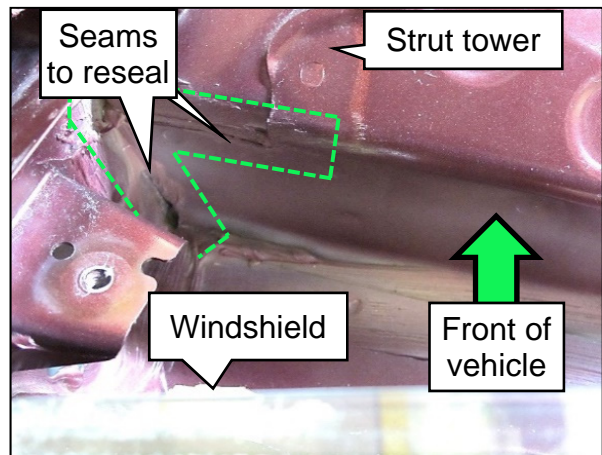


Figure 19

- Use a brush angle of 30-45 degrees to smooth the seam sealer.

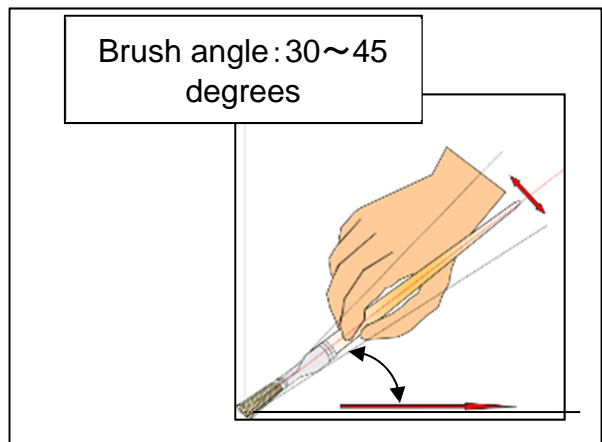


Figure 20

- Brush the seam sealer into the joint seams, as shown in Figure 21.
- Repeat this process until the seams identified in Figure 19 are completely sealed.

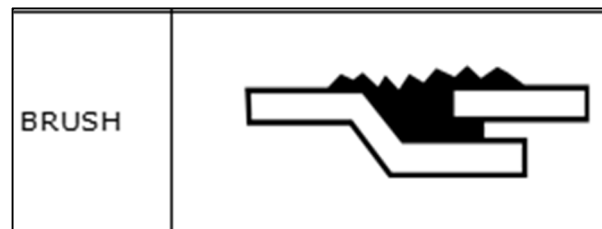


Figure 21

- Figure 22 shows the cowl area after the joint seams have been resealed with the brushed on seam sealer.

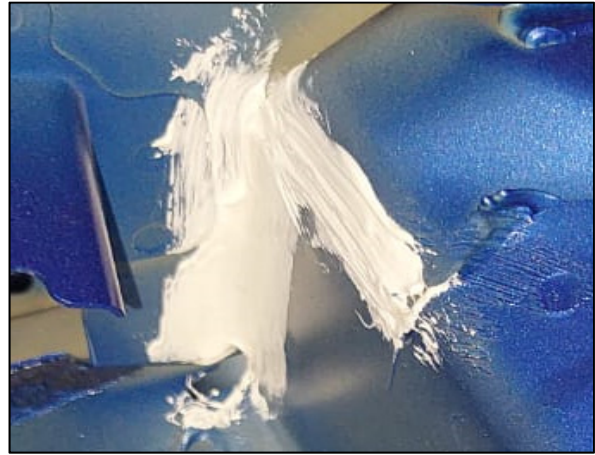


Figure 22

- Once the seam sealer application is complete, allow the seam sealer to dry for 30 minutes.

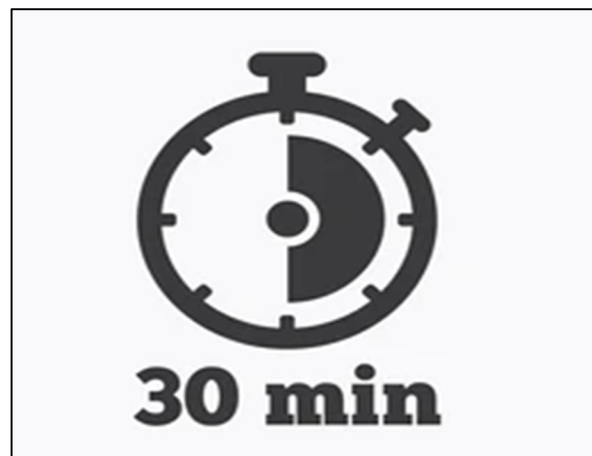


Figure 23

14. Install the wiper drive assembly.
- Torque the wiper drive assembly bolts in the sequence shown in Figure 24.
  - Wiper drive assembly bolt torque: 8.0 N•m (0.82 kg-m, **71 in-lb**)

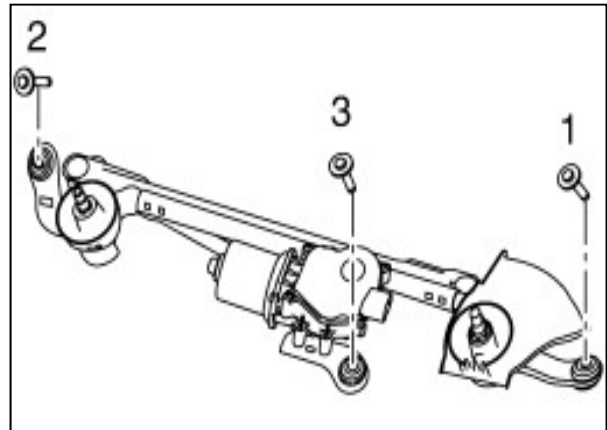


Figure 24

15. Reconnect the wiper motor harness connector (Figure 25).

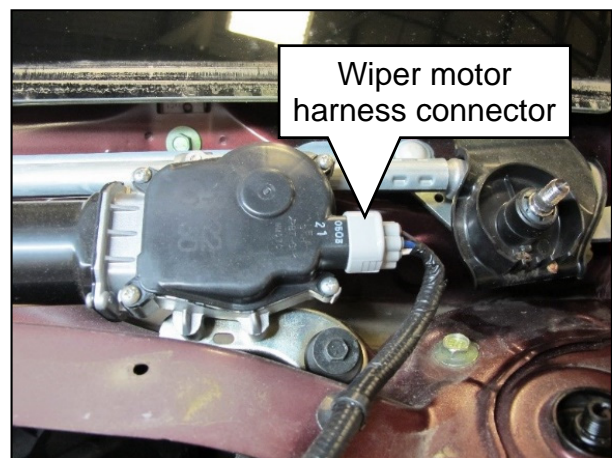


Figure 25

**IMPORTANT:** Prior to cowl top installation, use a clean, damp cloth to clean the joint between the cowl top cover and the windshield.

16. Install the cowl top assembly (Figure 26).
- a. Carefully slide the cowl top onto the bottom of the windshield using care to not damage the thirteen (13) positioning clips that are positioned under the windshield edge.
  - b. Install the six (6) retaining clips.

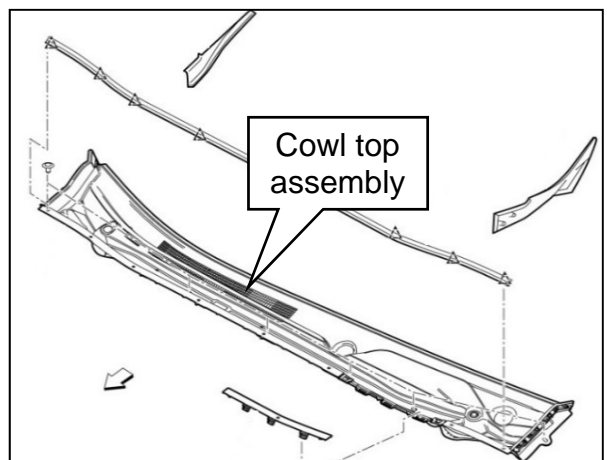


Figure 26

17. Install the driver (LH) and the passenger (RH) cowl top side trim covers (Figure 27 and Figure 28).

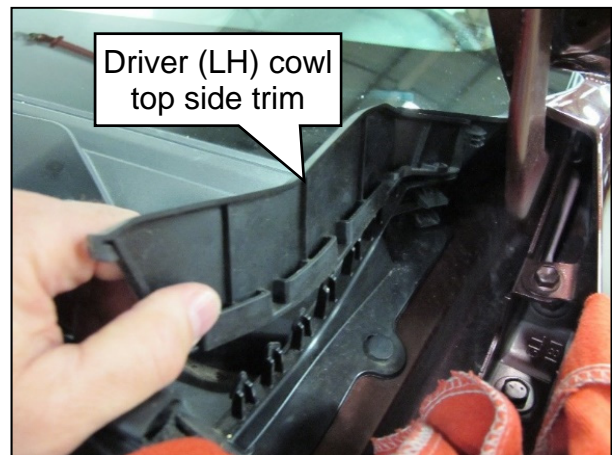


Figure 27



Figure 28

18. Install the wiper arm assemblies (Figure 29 and Figure 7 on page 4).
- a. Position both wiper arm assemblies to the location marks on the windshield.
  - b. Install the 14 mm wiper nuts.
    - o Wiper nut torque: 23.6 N•m (2.4 kg-m, 17 ft-lb)
  - c. Install the wiper nut caps.

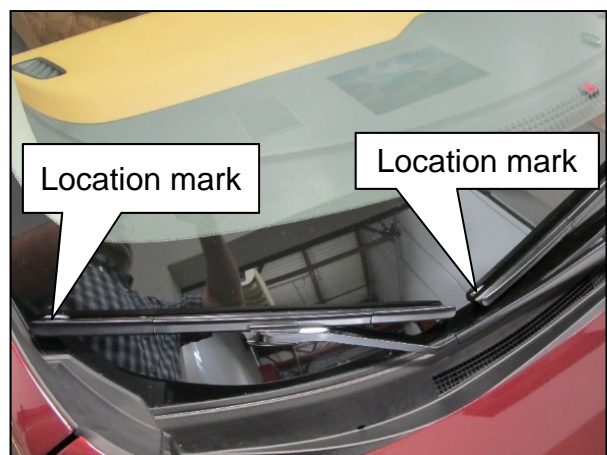


Figure 29

19. Remove the fender protection from both front fenders.
20. Stow the hood prop rod to the retainer clip and close the hood.
21. Remove the reference marks on the windshield that were made before disassembly.
22. Verify the wipers operate correctly.

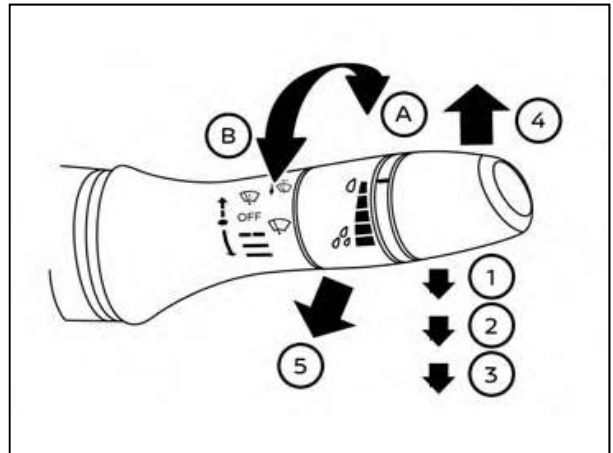


Figure 30

## CHECK HARNESS CONNECTOR E7-M37 FOR WATER INTRUSION OR CORROSION

**HINT:** The fender protector will need to be positioned multiple times during the procedure to protect the door sill paint.

23. Open the driver (LH) side front door.
  - Place a fender protector on the painted door sill to prevent damage to the paint.



Figure 31

24. Remove the driver (LH) side front kicking plate.

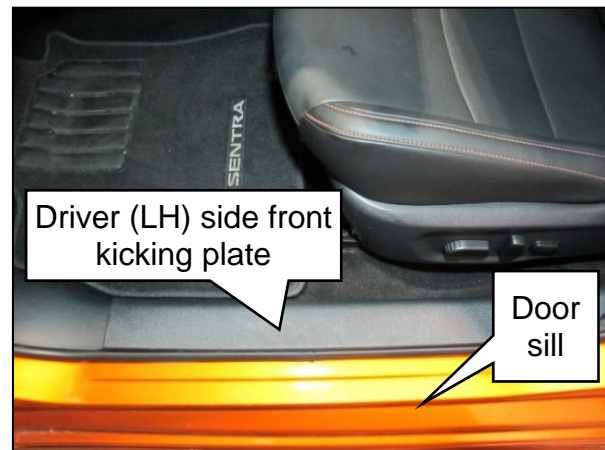


Figure 32

25. Using a suitable tool, remove the hood release handle.

- Gently pry the middle of the hood release handle to release it.



Figure 33

26. Remove the dash side finisher.

- Remove the plastic nut from the upper corner.
- Disengage the two (2) retaining clips and remove the dash side finisher.

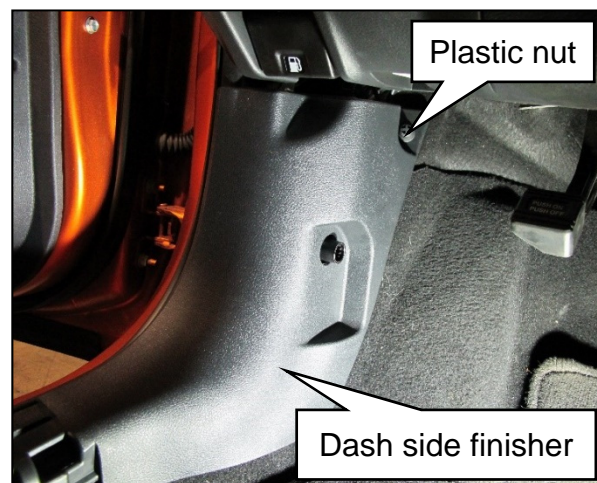


Figure 34

27. Locate the E7-M37 harness connector in the driver (LH) side lower A pillar area.

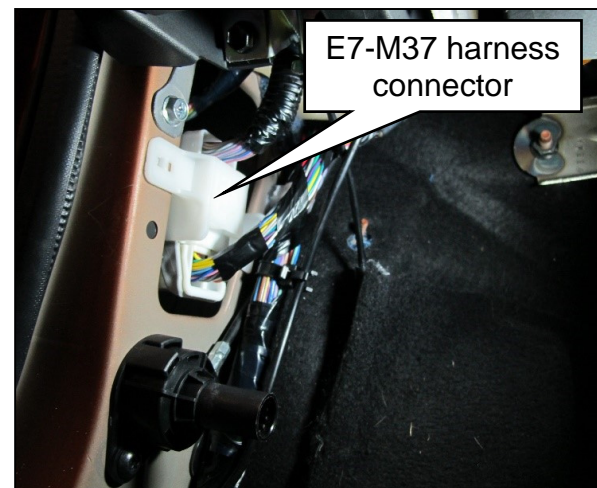


Figure 35

28. Using a suitable tool, unlatch the E7-M37 harness connector bracket retaining clip.

- Push both latches toward the center while lifting the harness connector bracket away from the A pillar.
- Use care to not break the harness connector bracket clips.

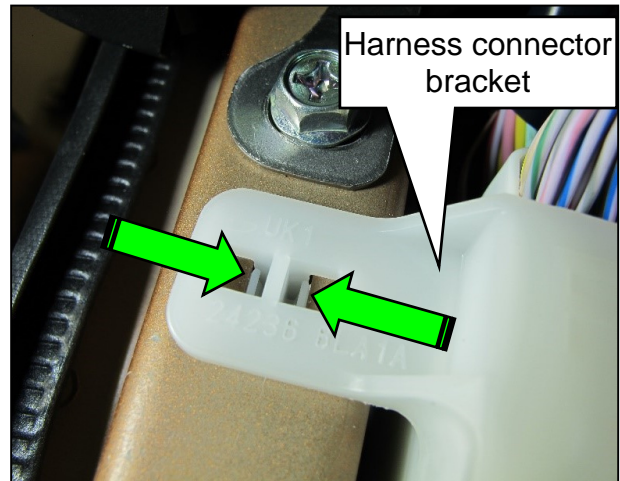


Figure 36

29. Remove the E7-M37 harness connector from the lower A pillar.

- Remove the left side first, then pivot the harness connector to remove the right side.

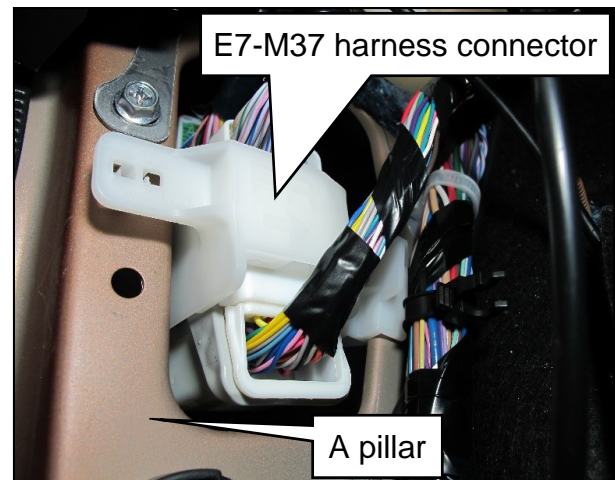


Figure 37



30. Unlock the E7 harness connector.
  - a. Using a suitable tool, release the E7 harness connector lock.
  - b. Using your fingers, continue to pull the lock down to the bottom of the harness connector.

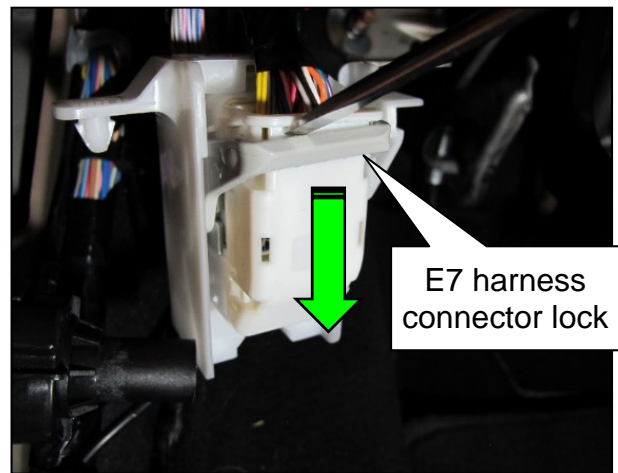


Figure 38

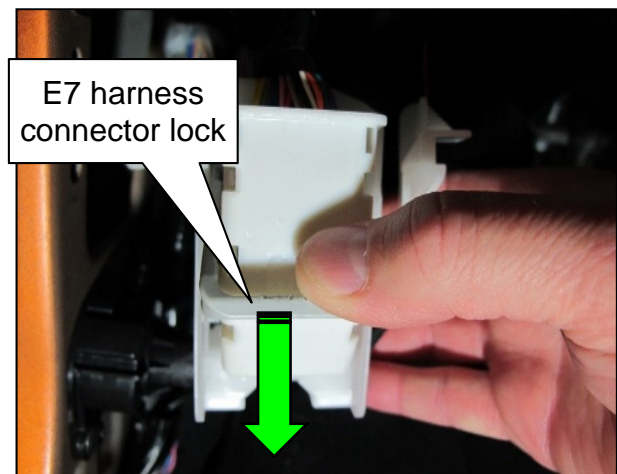


Figure 39

31. Remove the engine room harness side of the E7-M37 harness connector and turn it around to visually inspect the main harness pins.

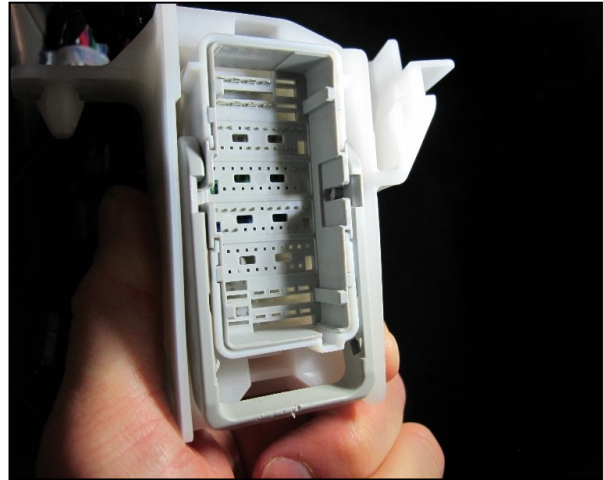


Figure 40

32. Push the E7-M37 harness connector lock back up to reveal the M37 harness connector pins.

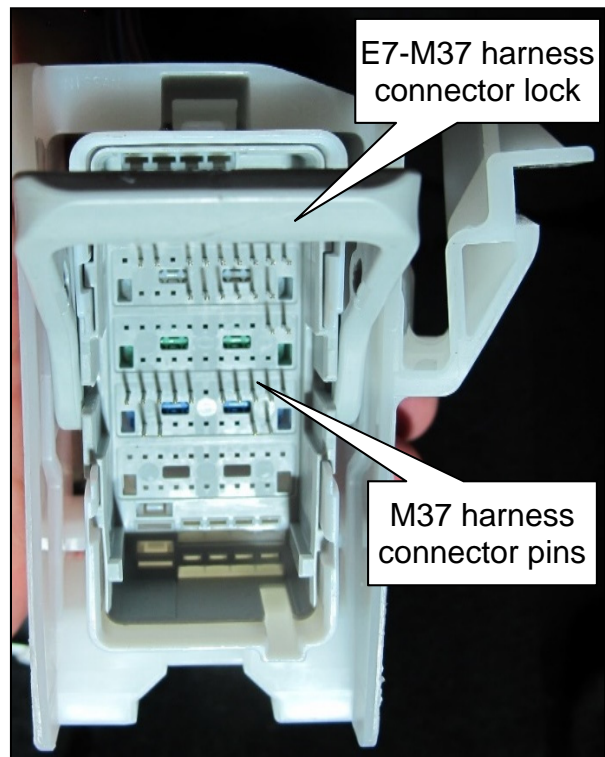


Figure 41

33. Visually inspect BOTH sides of the E7-M37 harness connector for water intrusion or corrosion (Figure 42 and Figure 43).

- If no water intrusion or corrosion was found, continue to step 35 on page 20.
- If water intrusion or corrosion WAS found, replace the engine room harness and the main harness. Contact FQA with the required information in step 34.

34. Hold the vehicle, and send an email with the below information and a clear photo of the affected connectors to [FQA\\_Inspection\\_Support@nissan-usa.com](mailto:FQA_Inspection_Support@nissan-usa.com). A response will be provided within 48 business hours.

**HINT:** Keep picture size under 5 MB.

- Email Subject: PMA21 Sentra Cowl Seam Seal
- Dealer Code:
- Picture of VIN:
- Picture of connector condition:
- Technician Name:
- Technician Phone Number:
- Technician Email Address:

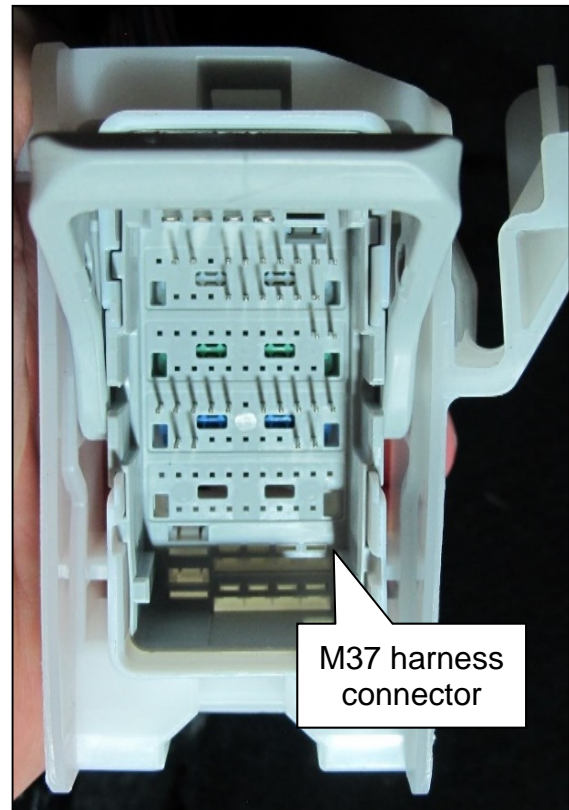


Figure 42

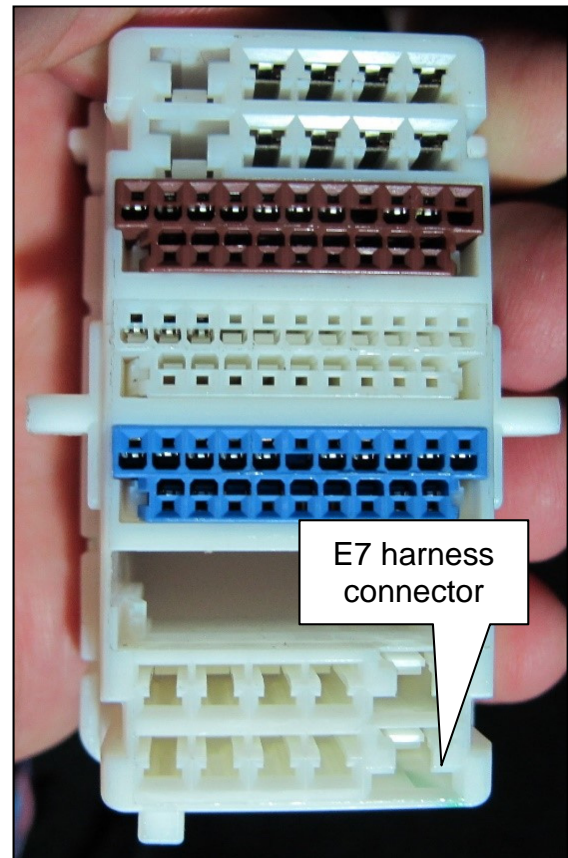


Figure 43

## REPLACE THE E7-M37 HARNESS CONNECTOR BRACKET (IF APPLICABLE)

**IMPORTANT:** Step 35 is ONLY necessary if the harness connector bracket clips are broken during connector removal from the A pillar at step 28 on page 16.

35. Install a new harness connector bracket on the harness connector body.
  - a. Release the tabs at the top and bottom of the harness connector bracket.
  - b. Move the E7-M37 harness connector lock to the middle position.
  - c. With the tabs released, pull the harness connector bracket forward to remove it from the M37 harness connector.
  - d. Install the new harness connector bracket in reverse order of removal.

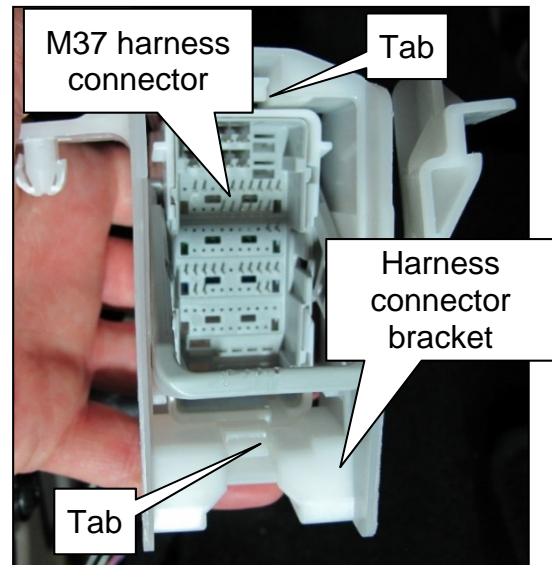


Figure 44

## REINSTALL THE E7-M37 HARNESS CONNECTOR

36. Install the E7 connector to the M37 connector.
  - The lock must be in the full down position to seat the connector halves.

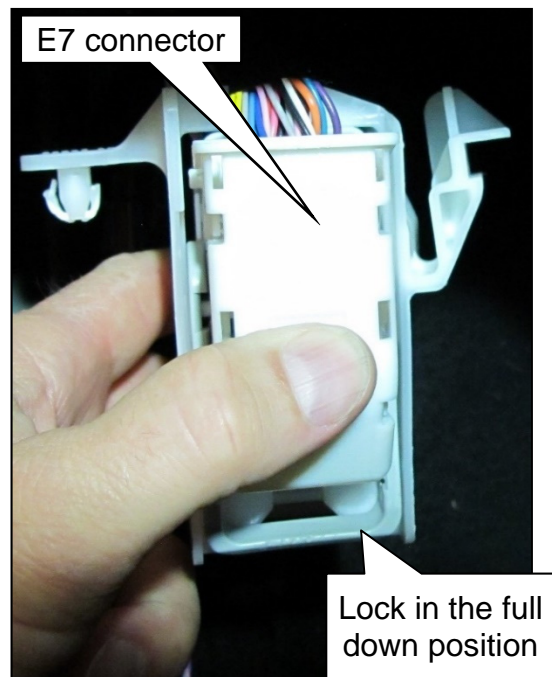


Figure 45

37. Move the E7-M37 harness connector lock to the full up position to lock it.

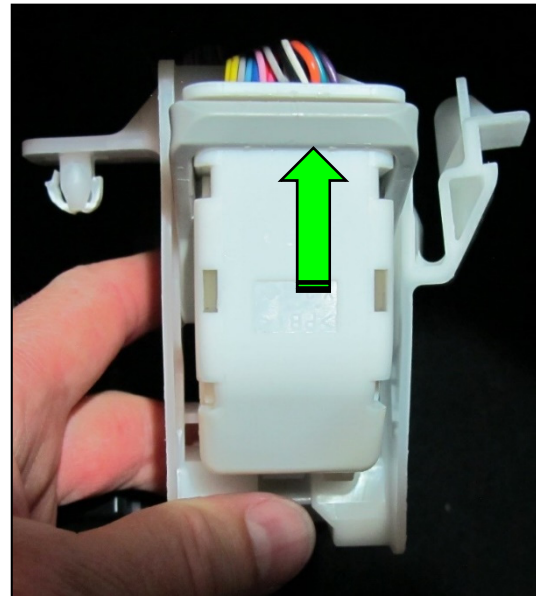


Figure 46

38. Install the E7-M37 harness connector assembly into the lower A pillar.
- Install the right side first, then install the harness connector bracket retainer in the A pillar.

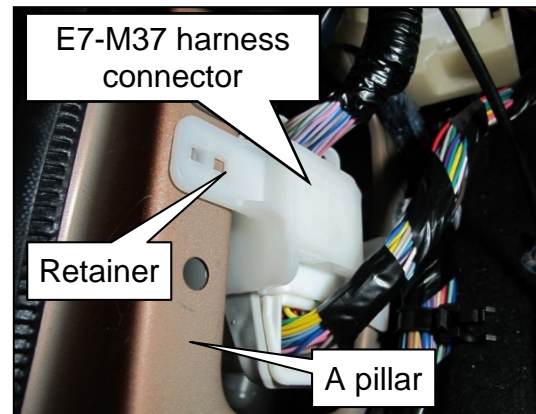


Figure 47

39. Install the dash side finisher.
- Seat the two (2) retaining clips.
  - Install the plastic nut in the upper corner of the dash side finisher.

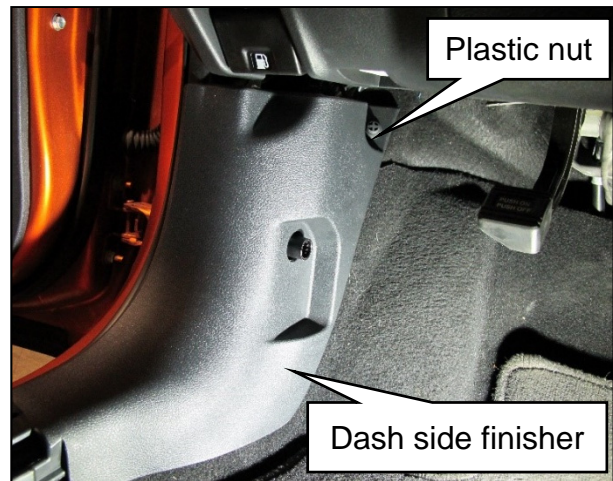


Figure 48

40. Install the hood release handle.
- Push the hood release handle on until it locks into the retaining clip.



Figure 49

41. Install the driver (LH) side front kicking plate.



Figure 50

42. Remove the fender protector.



Figure 51

43. Close the driver (LH) side front door.



Figure 52

## PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY
LORD Fusor 800DTM	999MP9G000P (1)	See <b>EXPENSE CODE</b>
3M Urethane Seam Sealer #08368	(2)	
BRKT-CONN	24236-6LA1A	1 As needed

- (1) LORD Fusor PN 999MP9G000P is available through the Nissan Maintenance Advantage program: Phone 877-NIS-NMA1 (877-647-6621). Website order via link on the dealer portal; [www.NNAnet.com](http://www.NNAnet.com) and click on the "Maintenance Advantage-Tire/Battery/Chemical" link.
- (2) 3M Urethane Seam Sealer #08368 can be purchased at Bodyshop Supply Retailers or some Auto Parts Suppliers.

## CLAIMS INFORMATION

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

CAMPAIGN ("CM") ID	DESCRIPTION	OP CODE	FRT
PMA21	Reseal Driver Side Cowl Seam and Inspect E7-M37 Connector For Water Intrusion or Corrosion	PMA210	0.8

## EXPENSE CODE

EXPENSE CODE	DESCRIPTION	MAX AMOUNT
101	LORD Fusor 800DTM or 3M #08368 Seam Sealer and Flat Brush	\$66.00 (1)

- (1) **MAX AMOUNT** includes one of the above listed seam sealers, a flat brush, and local and state tax. The flat brush can be purchased through Dollar type stores, large retail chain stores, or craft stores.

## AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
June 14, 2023	NTB23-050	Original bulletin published