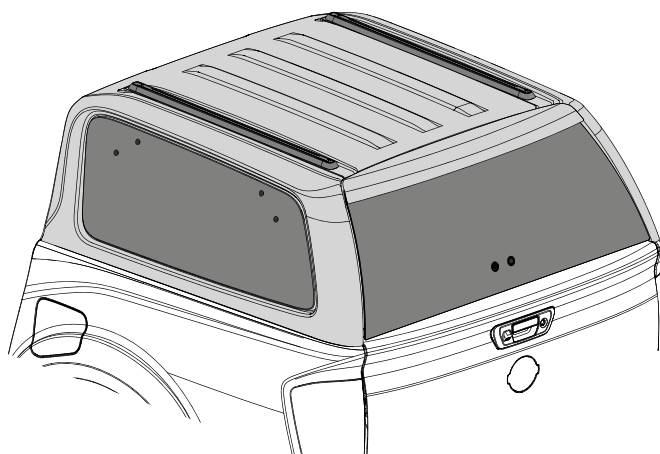


Gen III Premium Canopy NISSAN NAVARA MY21 Installation Instructions



Installation Time: Approx. 90 mins

Important



- Do not tighten any bolts, screws and nuts that are used in window frames, locks and glass assemblies. This may cause water leaks along window frames and glass windows to shatter.
- Read instructions carefully before installation.
- It is strongly recommended that installation is conducted by an authorized dealer.
- This product must be installed exactly as specified in these instructions. Failure to do so may result in improper fit and/or retention/failure of components.

PERSONAL PROTECTIVE EQUIPMENT:



Mask



Rubber Gloves



Goggles



Hearing Protection

Care Instructions:



Clean canopy with a mild detergent and water solution.



Do not use abrasive cleaners or solvents.

Tools Required:



Drill



Drill Bit
Ø3mm
Ø5.5mm



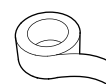
Socket torque
wrench



Socket
13mm
10mm



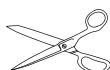
Wrench
No: 10, 12 & 13mm



Marking Tape



Clean cloth



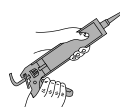
Scissors



Marking pen



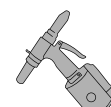
Flash light



Silicone & Gun



Phillips Screwdriver



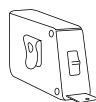
Rivet gun



Head Bit



Non permanent
marker



Tape Measure



Isopropyl Alcohol
or Equivalent

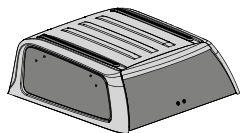


Pliers



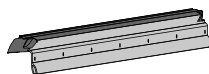
Parts in Canopy Kit:

1



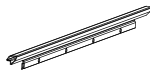
Canopy
Qty - 1

2



Tailgate Rail
(CNPY0080)
Qty - 1

3

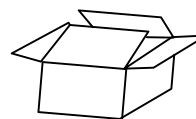


Header Bar
(HBAR0037)
Qty - 1

4



Keys
Qty - 1

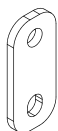


Fitting Kit
(KIT039115)
Qty - 1



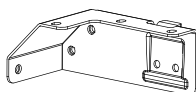
Parts in Fitting Kit: KIT039115

5



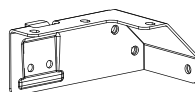
Spacer
(CLIP3973-PC)
Qty - 8

6



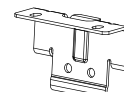
RH Front Tub
Reinforcement Bracket
(CLIP3982PC-RH)
Qty - 1

7



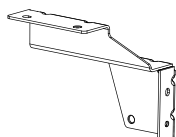
LH Front Tub
Reinforcement Bracket
(CLIP3982PC-LH)
Qty - 1

8



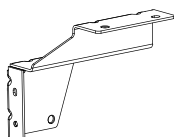
Rail Clamp
(CLIP3780PC)
Qty - 4

9



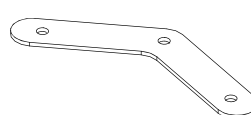
RH Rear
Reinforcement Bracket
(CLIP4004PC-RH)
Qty - 1

10



LH Rear
Reinforcement Bracket
(CLIP4004PC-LH)
Qty - 1

11



Spreader Plate
(CLIP3881PC)
Qty - 2

12



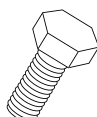
Top Plate
(CLIP3767PCTX-1)
Qty - 6

13



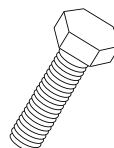
Clamp Plate
(CLIP3533PC)
Qty - 6

14



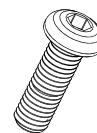
M6x20mm Hex
Head Screw
(SCRW0028)
Qty - 4

15



M8x30mm Hex
Head Screw
(SCRW0846)
Qty - 38

16



M8x25mm Button
Head Screw
(SCRW1000)
Qty - 4



Parts in Fitting Kit Cont.

17



M6 Small Washer
(WASH0153)
Qty - 4

18



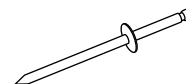
M8 Large Washer
(WASH0171-1)
Qty - 56

19



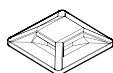
M8 Clutch Nut
(NUTS0250-1)
Qty - 18

20



Rivet
(FAST0609)
Qty - 7

21



Cable Tie Mount
(FAST0647)
Qty - 5

22



Cable Tie (Small)
(FAST0254)
Qty - 35

23



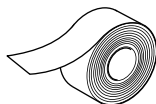
Cable Tie (Large)
(CONS1590)
Qty - 20

24



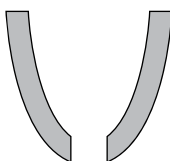
Anti Abrasion Tape
100mm x 55mm
(TAPE0649)
Qty - 8

25



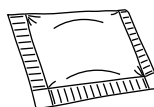
Anti Abrasion Tape Roll
(TAPE0772)
Qty - 1

26



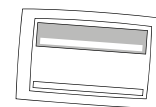
Anti Abrasion Corners
(TAPE0814)
Qty - 1

27



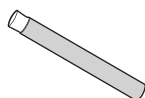
Rust Inhibitor
(MISC2776)
Qty - 1

28



Alcohol Wipe
(MISC0052)
Qty - 3

29



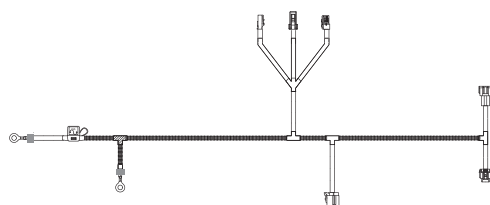
Primer
(MISC1365)
Qty - 2

30



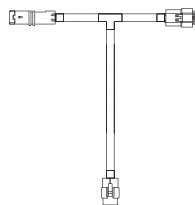
Spacer
(MISC5206-PC)
Qty - 2

31



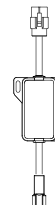
VEHICLE HARNESS
(LOOM0299)
Qty - 1

32



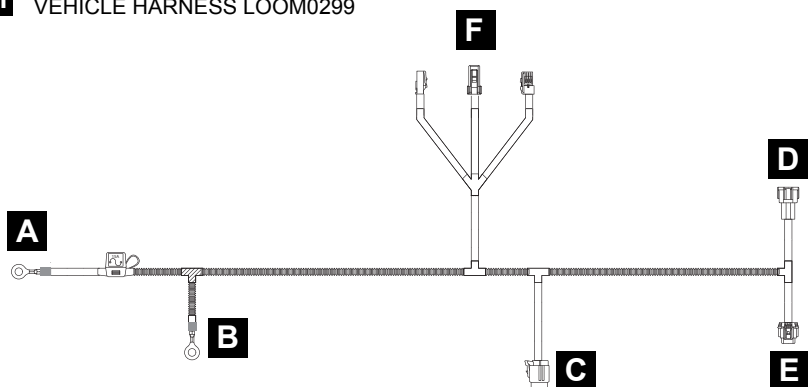
T-PATCH FUEL HARNESS
(LOOM0294)
Qty - 1

33

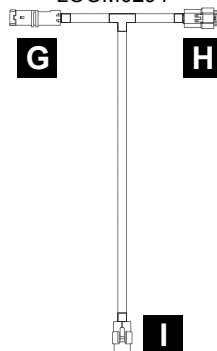


SPP 2.3 MODULE
(LOOM0295)
Qty - 1

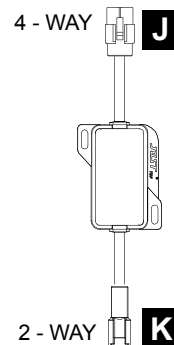
31 VEHICLE HARNESS LOOM0299



32 T-PATCH FUEL HARNESS LOOM0294



33 SPP 2.3 MODULE LOOM0295



**IMPORTANT: DISCONNECT CAR BATTERY NEGATIVE TERMINAL.
FIT THE SUPPLIED FUSES AT THE END OF INSTALLATION.**



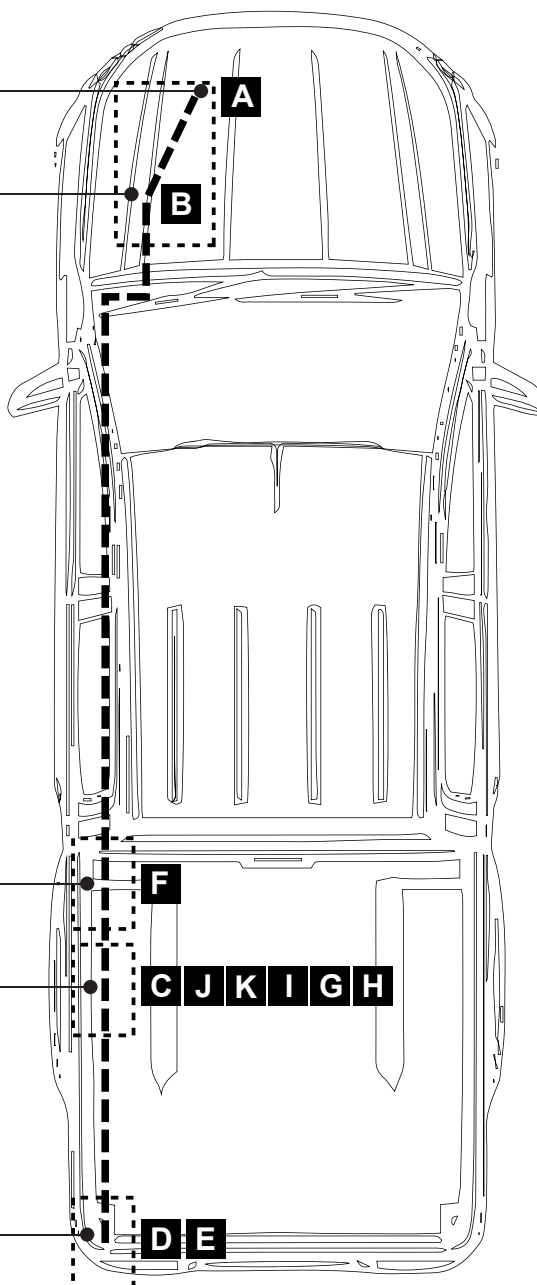
STEP 17

STEP 18

STEP 11-13 & 44

STEP 3-5

STEP 8-9





WHILE ROUTING THE VEHICLE HARNESS AVOID ANY VEHICLE COMPONENTS THAT HEAT UP, LIKE EXHAUST AND ENGINE COMPONENTS. DO NOT ATTACH HARNESS TO FUEL LINES AND AVOID PINCH POINTS.

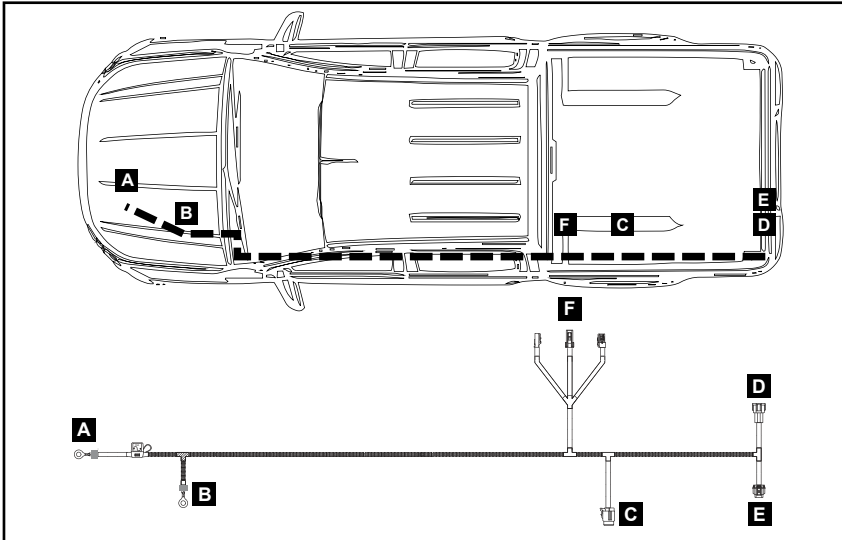


Diagram: 1 - LAY VEHICLE HARNESS

1. Lay out Vehicle Harness (31) next to the vehicle so that the A & B connectors are positioned at the front of the vehicle near the engine bay, the F & C Connectors are near the rear LHS wheel arch, and the D & E Connectors are near the LHS tail light.

Ensure the fuse from the Vehicle Harness (31) is removed and retained before starting installation.

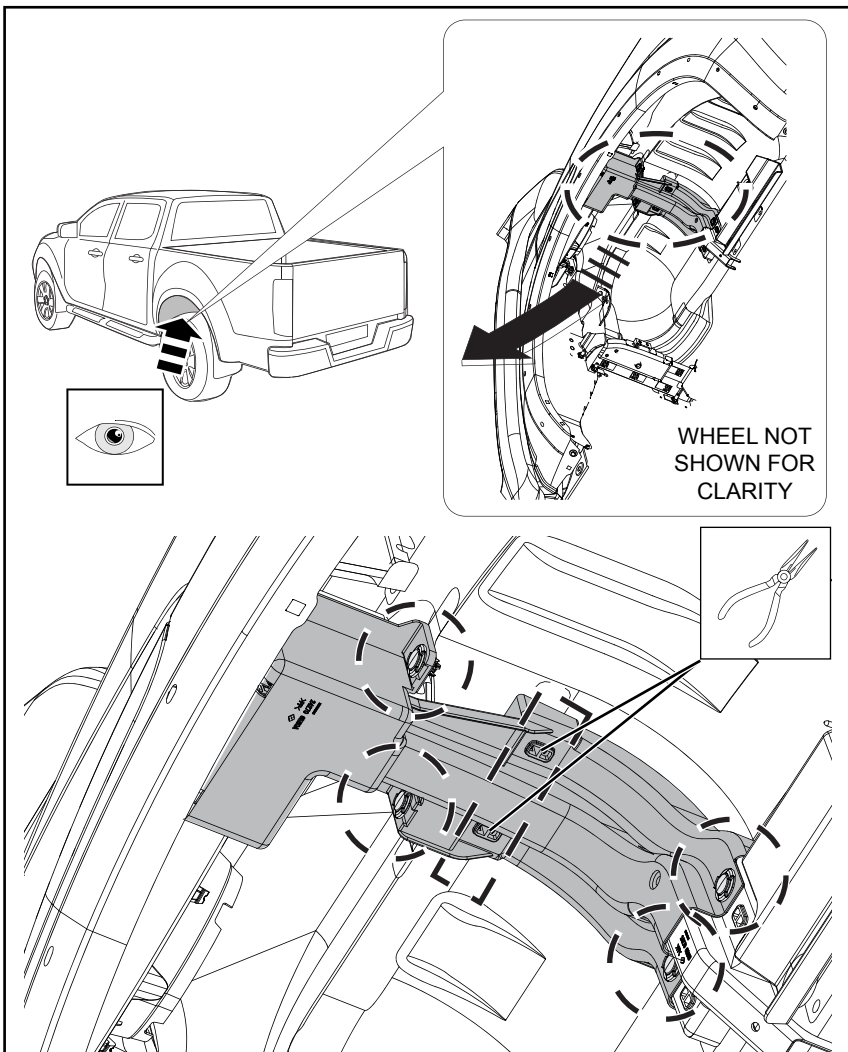


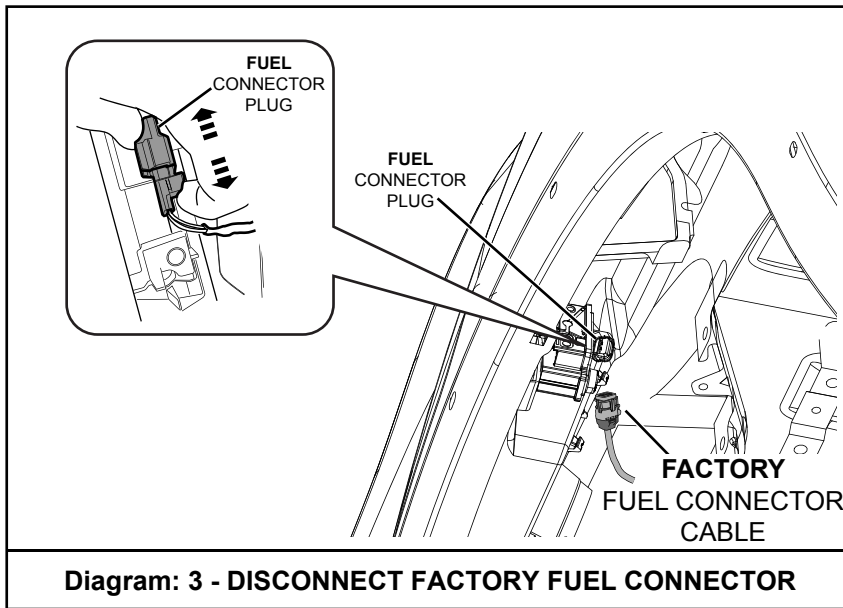
Diagram: 2 - REMOVE FUEL CONNECTOR COVER

2. Looking up into the LHS wheel arch, locate the plastic fuel connector cover as shown in the Diagram. Remove 4x scrivenets holding the cover in place.

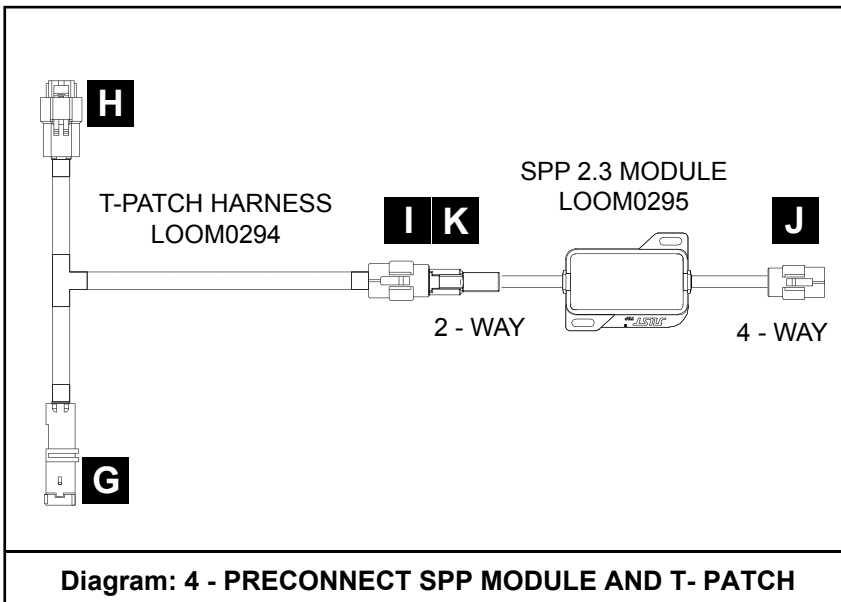
To remove the cover, a pair of long nose pliers will be required to dislodge the covers latch, as shown in the diagram.

Remove and retain cover.

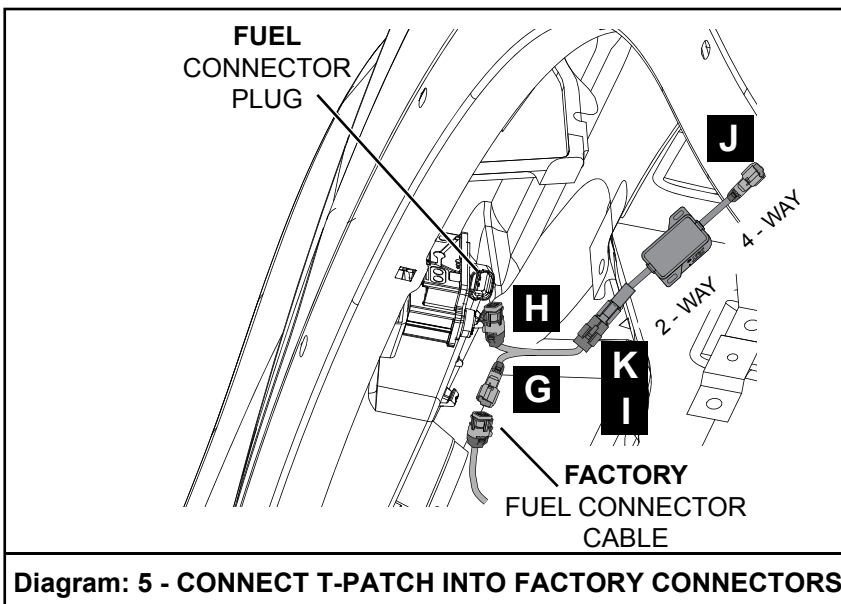
NOTE: Insert the long nose pliers into the slots shown on the diagram, squeeze the pliers gently, and apply downwards force to dislodge. Ensure this process is completed carefully on both sides to avoid damaging the plastic mechanism.



3. Disconnect factory fuel connector plug from factory fuel connector cable.



4. Connect the provided T-Patch Fuel Harness (32) and SPP 2.3 Module (33) in the configuration shown in the diagram.



5. Connect the T-Patch configuration from the previous step into the factory fuel connector plug and factory fuel connector cable as shown in the Diagram.

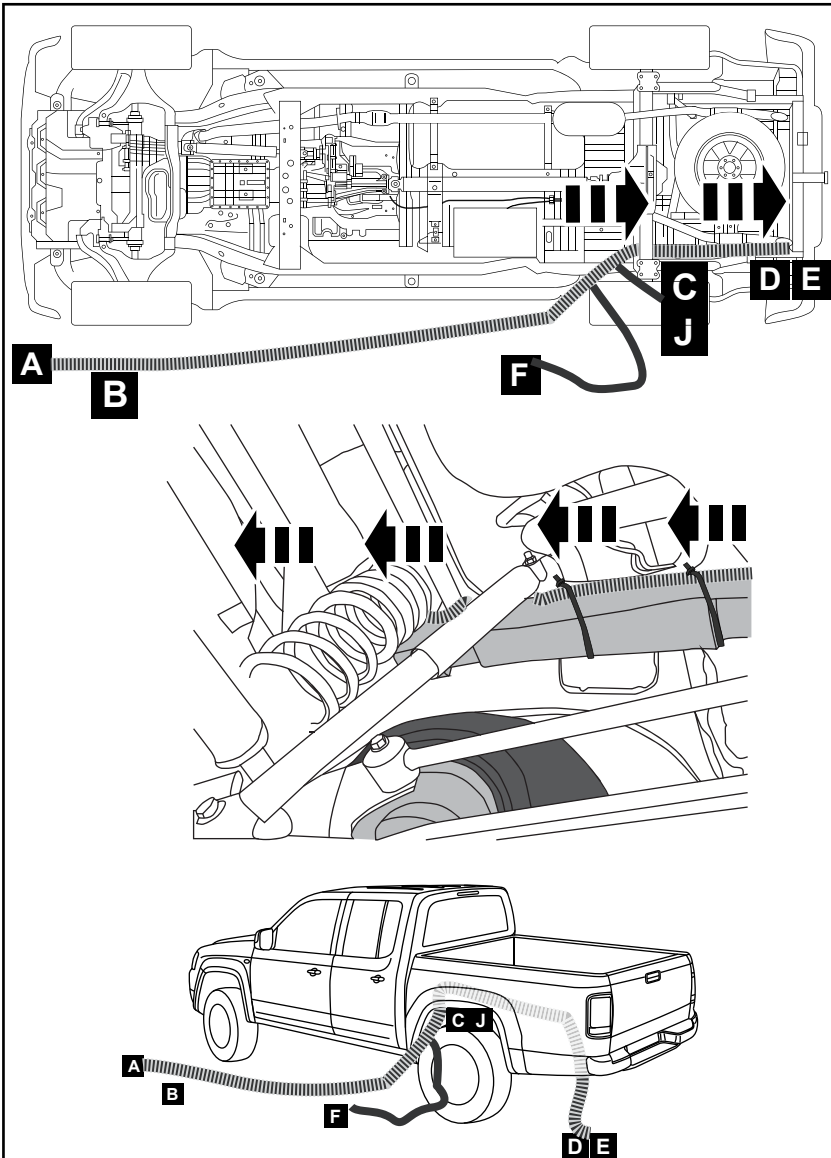


Diagram: 6 - FEED HARNESS TO TAIL LIGHT

- 6.** Note: Ensure the rest of the Vehicle Harness (31) stays off to the side and is not damaged while following the below process.

From the chassis rail in front of the LHS rear wheel, feed the Vehicle Harness (31) (branch D and E) through the wheel arch, on top of the vehicle subframe, heading towards the back rear LHS tail light. Ensure the Vehicle Harness (31) follows existing wiring, and avoids pinch points, moving parts, and springs.

Run the Vehicle Harness (31) so that Connectors D and E are situated under the rear LHS tail light with approximately 600mm slack from the top of the subframe. Cable Tie (22) into place, and then Cable Tie (23) along the chassis rail every 200mm until the front of the wheel arch.

Once secured, plug in Vehicle Harness (31) Connector C into the previously connected SPP 2.3 Module Connector J 4-way Connector.

Cable Tie (22) and secure accordingly, ensuring that the Vehicle Harness (31) avoids pinch points, moving parts and springs.

Cable Tie (22) Vehicle Harness (31) Connectors C & J in a compact configuration, as this connection will be required to fit back inside the plastic fuel connector cover.

Test fit wires into fuel connector cover and adjust Cable Ties (22) and placement if required.

- 7.** Remove tail light by removing and retaining the bolts as shown.

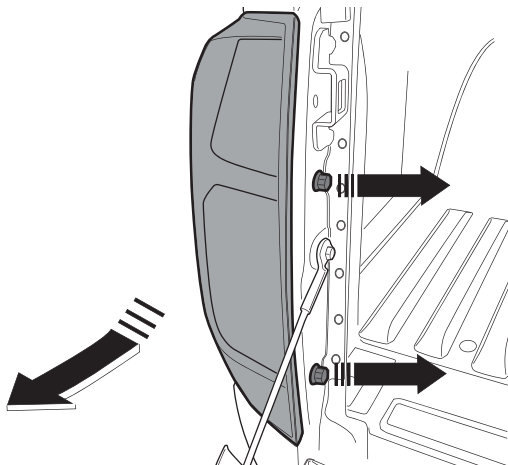


Diagram: 7 - REMOVE TAIL LIGHT

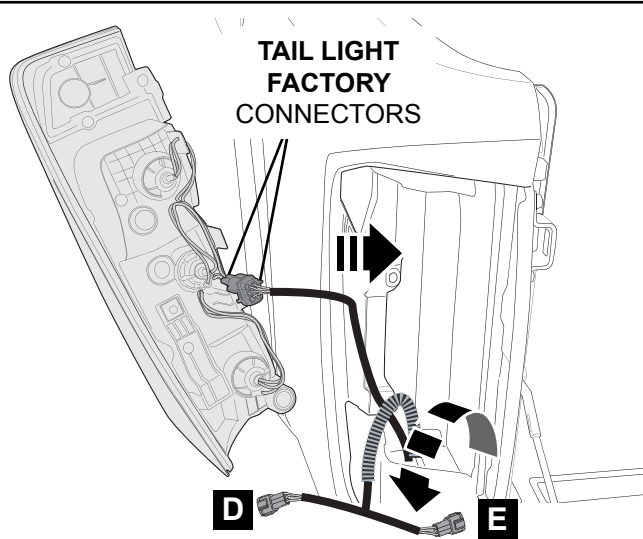


Diagram: 8 - DISCONNECT TAIL LIGHT FACTORY CONNECTOR

8. Once tail light has been dislodged, feed Vehicle Harness (31) Connectors D & E, (previously positioned under tail light with approximately 600mm slack) up through the tail light slot as shown in the Diagram.

Disconnect factory tail light connectors as shown.

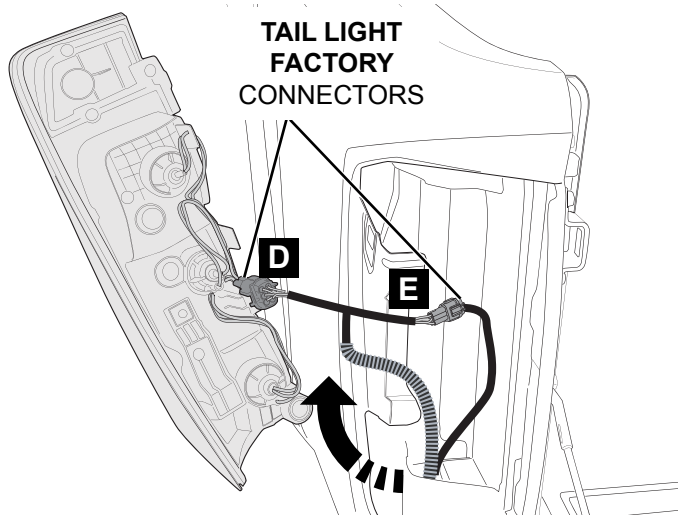


Diagram: 9 - CONNECT LOOM

9. Connect the Vehicle Harness (31) Connectors D & E to the tail light and factory connector wire as shown in the Diagram.

Secure loose wires to preexisting mount points and cables.

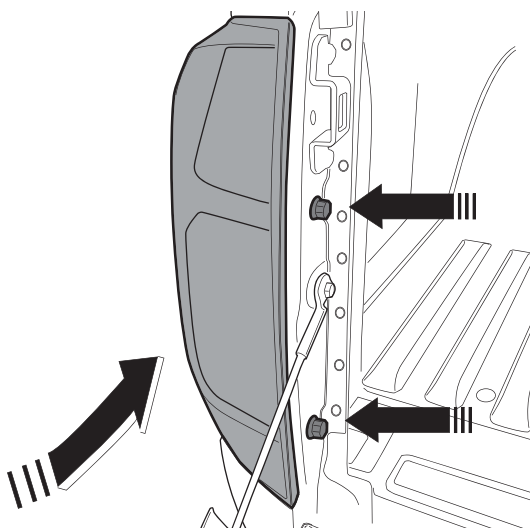


Diagram: 10 - REFIT TAIL LIGHT

10. Re-fit tail light into slot, ensuring cables and connectors are not pinched or clamped. Refer to factory manual for tail light torque specifications.

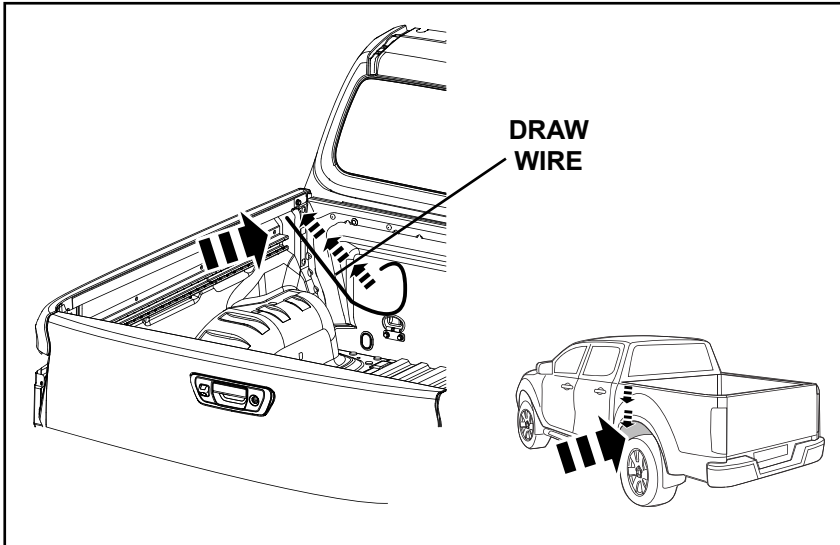


Diagram: 11 - FEED DRAW WIRE FROM INSIDE TUB

11. Feed a thin draw wire down the hole in the tub in the location shown. The draw wire should be fed down until it sits roughly above the top of the tyre.

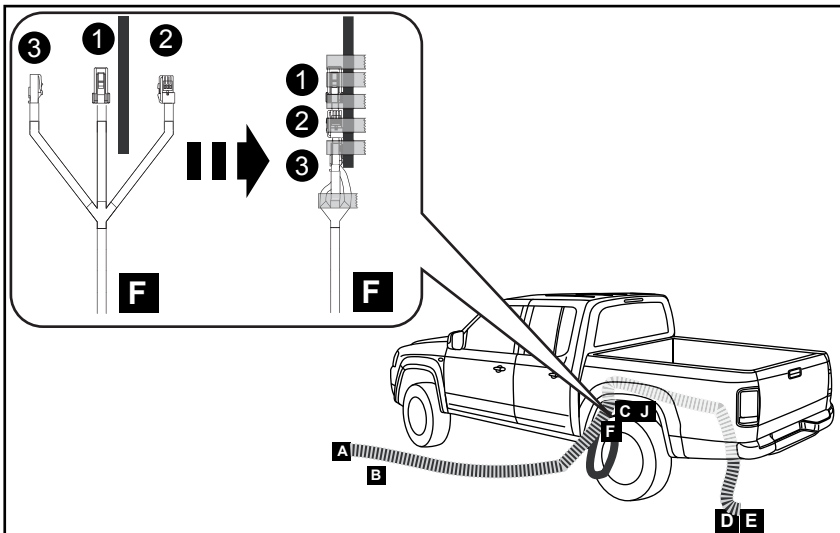


Diagram: 12 - ATTACH DRAW WIRE TO VEHICLE HARNESS

12. Attach the three connectors on the Vehicle Harness (31) labeled F to the draw wire using tape, ensuring the connectors are staggered as shown.

NOTE: The gap in the tub is narrow. If connectors are not taped apart in a staggered formation, there is potential for the connectors to become lodged and broken while pulling into the tub.

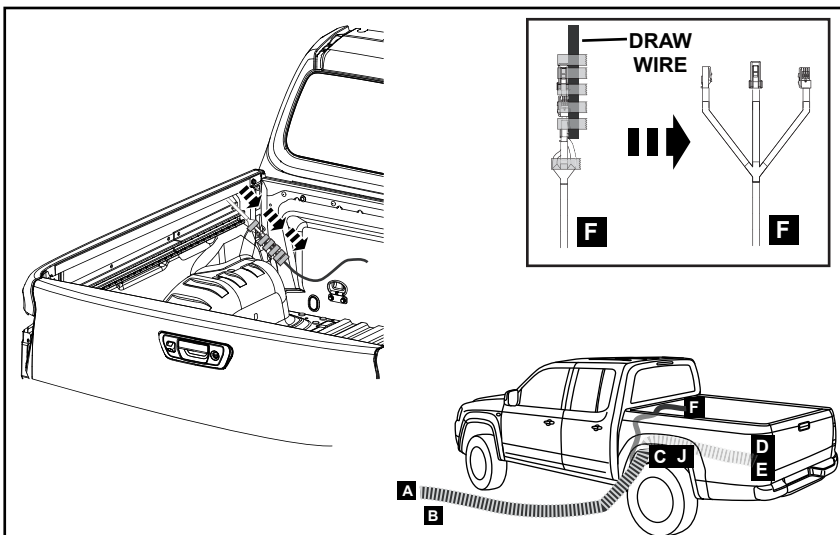
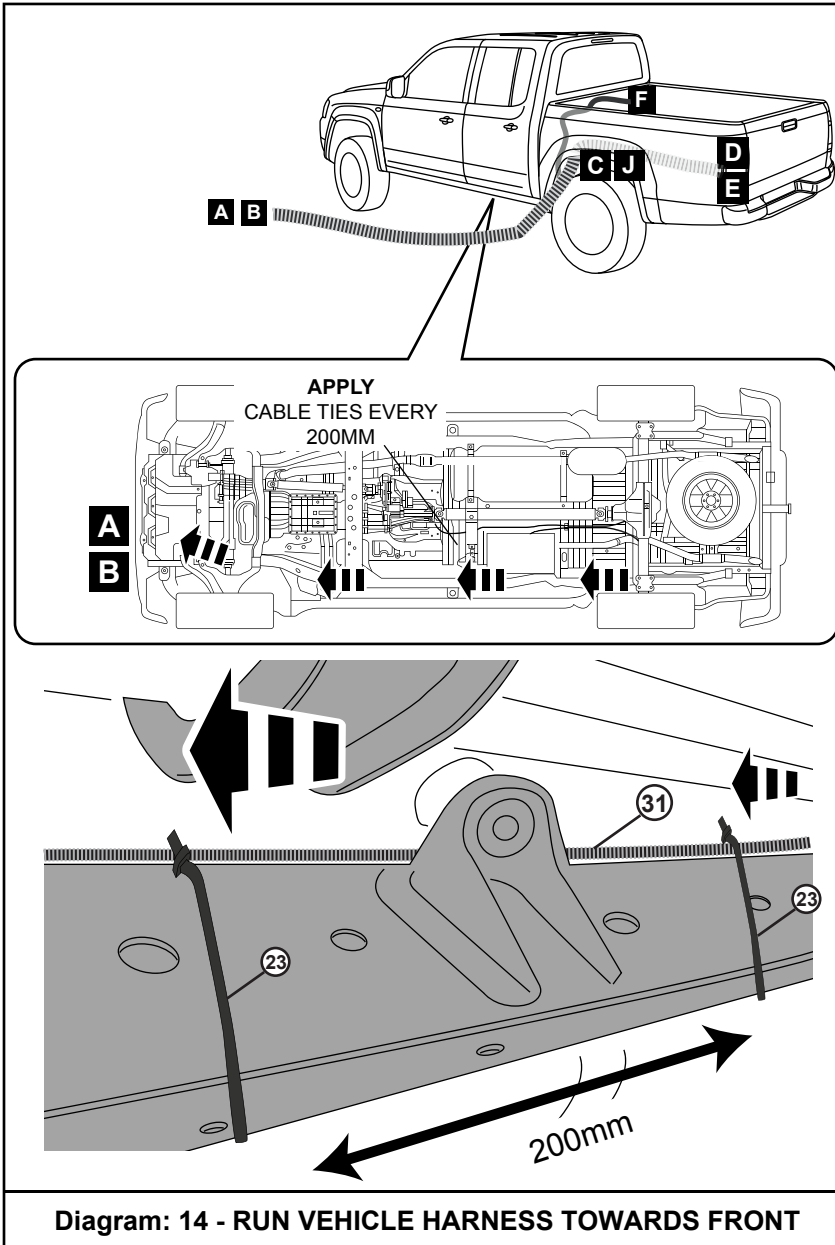


Diagram: 13 - BRING VEHICLE HARNESS INTO TUB

13. Bring the Vehicle Harness (31) Connectors labeled F into the vehicle tub. Ensure as much cable as possible is brought into the tub for ease of connecting later. Remove the draw wire.

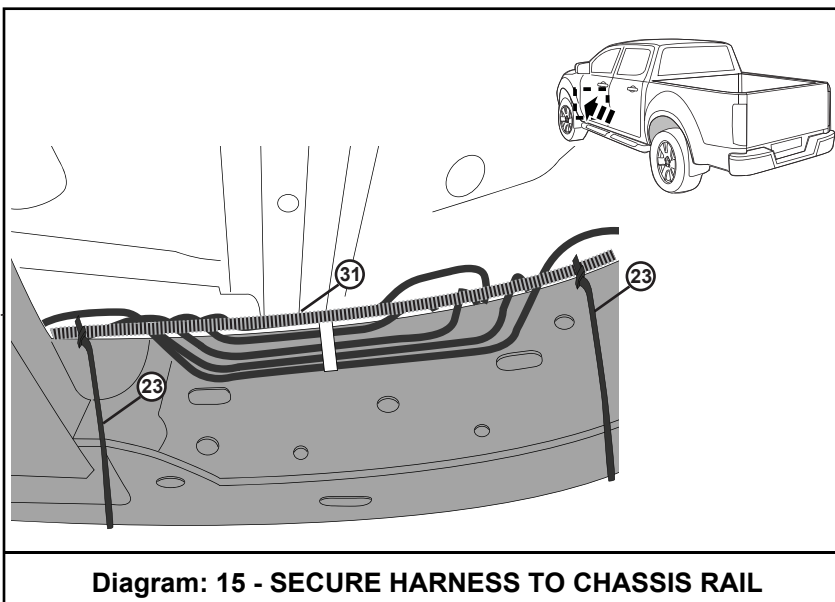
Once cables have been brought in, secure with Cable Ties (22) inside wheel arch. Ensure cables are secured in areas that avoid pinch points and moving parts.

NOTE: Refit fuel connector cover from Step 2.



- 14.** Starting from previously secured Vehicle Harness (31) at point C & J, Cable Tie (23) Vehicle Harness (31) along the top of the vehicle chassis rail, following existing wiring as shown in the diagram. Ensure to secure to the chassis rail every 200mm.

NOTE: Do not secure on or near parts that may move, heat up, or are heat sensitive, such as fuel lines.



- 15.** Continue securing Vehicle Harness (31) to chassis rail.

In the diagram, the fuel and brake line assembly is shown. Ensure the harness is secured to the chassis rail, and that the Cable Ties (23) (if required to do so) avoid or go under the brake and fuel line assembly as shown in the diagram.

NOTE: Do not secure Vehicle Harness (31) to fuel lines/brake lines.

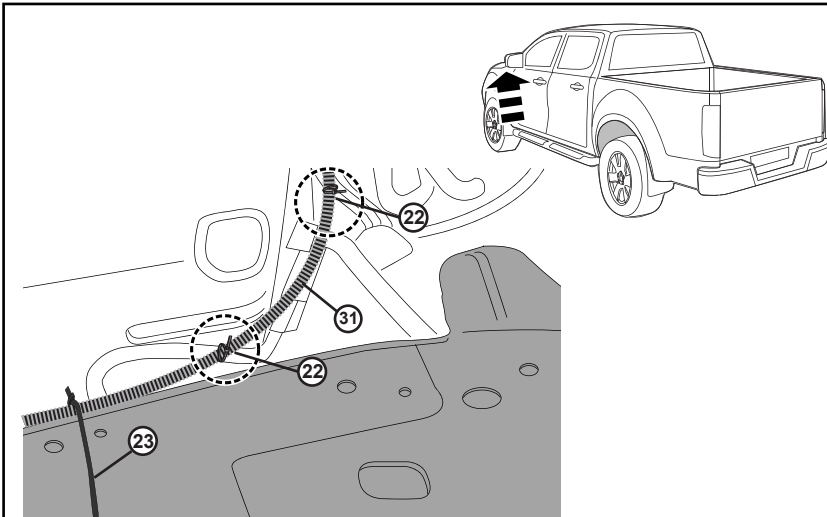


Diagram: 16 - SECURE HARNESS TO FIREWALL

- 16.** Run the Vehicle Harness (31) up the fire wall so that Connectors A & B are in the engine bay. The fire wall may have holes suitable to Cable Tie (22) the Vehicle Harness (31).

NOTE: If vehicle engine has been running before installation, be mindful of potentially hot engine parts. Keep appendages and hardware clear of hot parts.

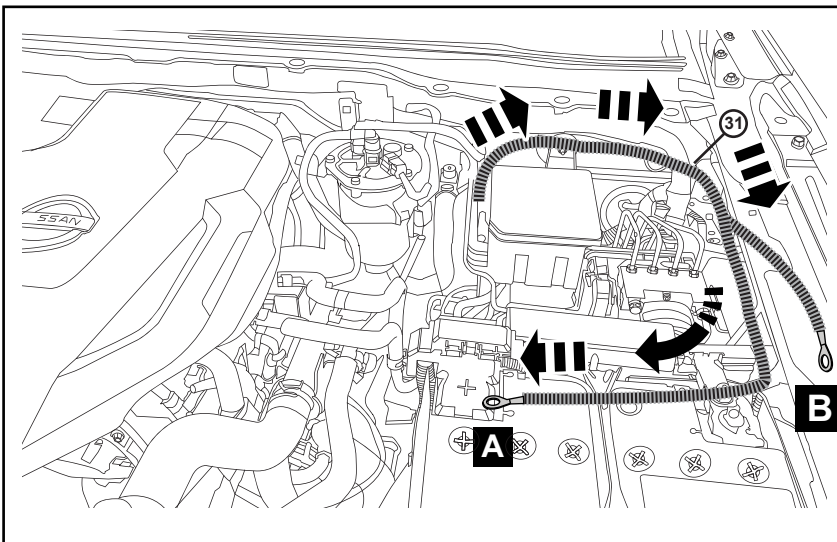


Diagram: 17 - RUN HARNESS POSITIVE TO BATTERY

- 17.** Pull the Vehicle Harness (31) up to the top of the fire wall, and along the rear and LH side of the engine bay as shown.

Attach Connector A of the Vehicle Harness (31) to the battery positive terminal.

NOTE: All in line fuses should be removed from the Vehicle Harness (31) before connecting. Do not install Vehicle Harness fuses until end of fitting instruction.

NOTE: Vehicle Harness (31) should not touch any engine parts that are hot, have potential to heat up or are heat sensitive.

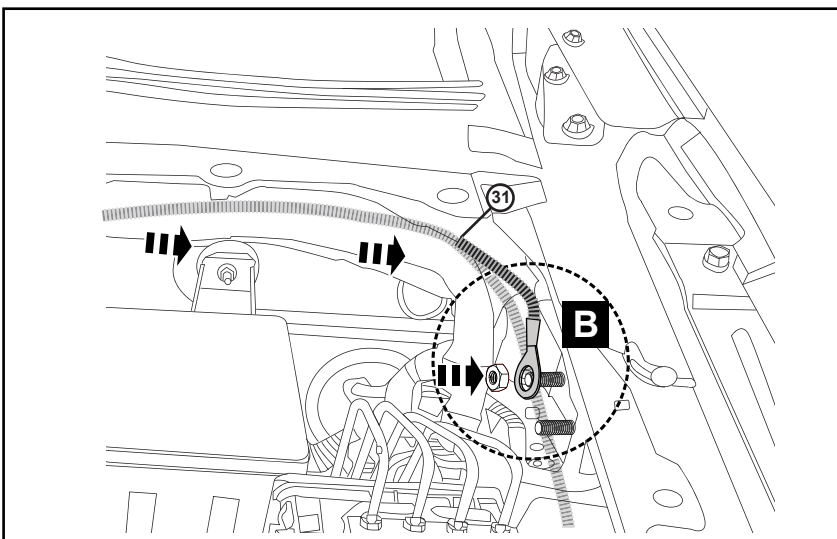


Diagram: 18 - CONNECT HARNESS NEGATIVE TO CHASSIS

- 18.** In the area shown, a dual negative stud connector will be attached to the vehicle chassis. Locate, and secure the negative connector on the Vehicle Harness (31) connector B to the rear-most negative stud.

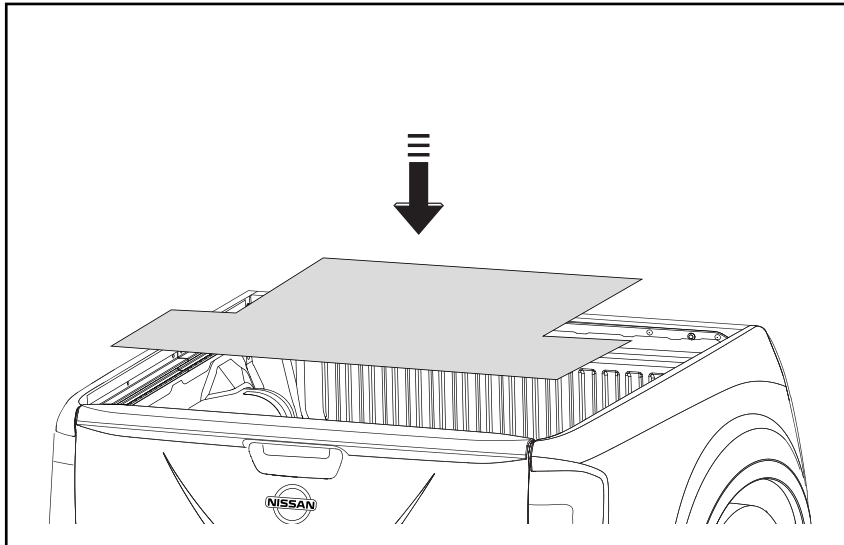


Diagram: 19 - CLEAN TUB

- 19.** Thoroughly clean and dry the installation areas (tub, rear of cabin and glass). Clean the front of the canopy including the front window.

Use a mat or blanket to protect the tub floor while working.

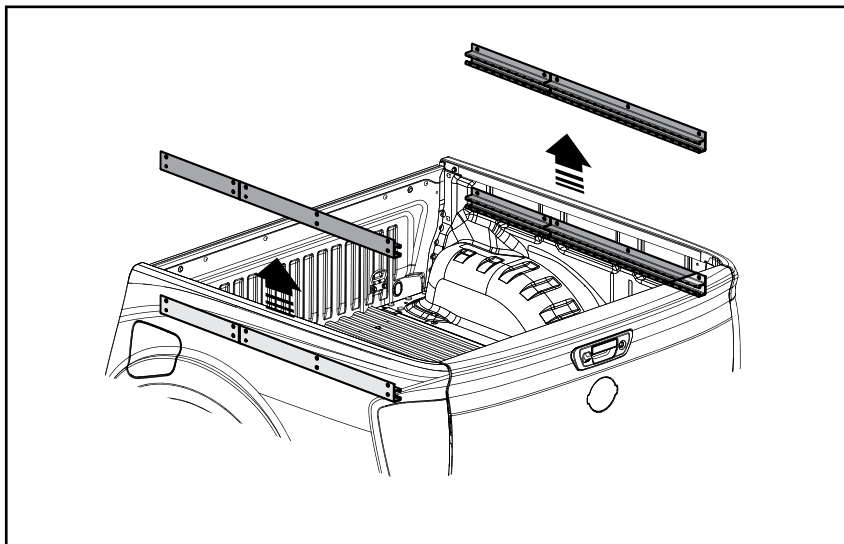


Diagram: 20 - REMOVE ACCESSORY RAILS

- 20. NOTE:** If no accessory rail fitted, proceed to the next step.

Remove the accessory rails from the tub and set aside for later use. Retain the accessory rails bolts and washers for the re-installation of the rails.

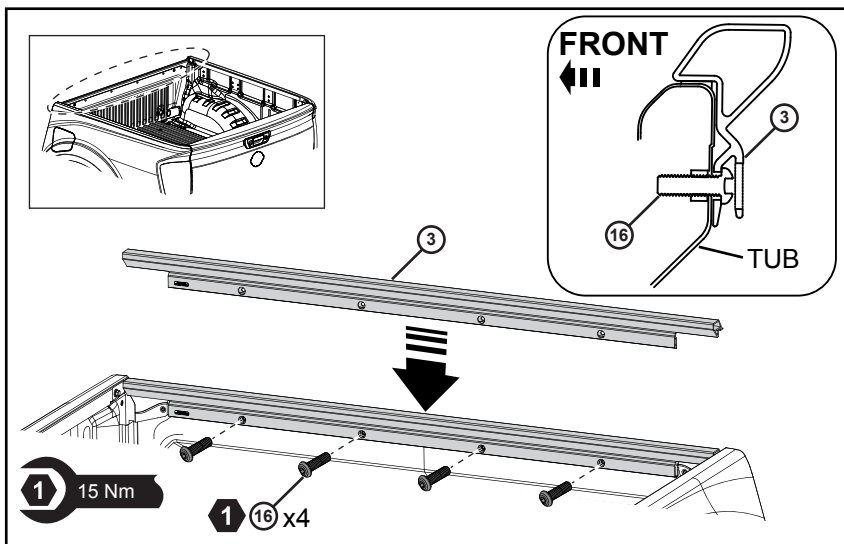


Diagram: 21 - FIT HEADER BAR

- 21.** Clean the top of the front of the tub with an Alcohol Wipe (28). Place the Header Bar (3) on the tub and secure with M8x25mm Button Head (16).

If a tubliner front wall is fitted, ensure the tubliner front wall slots into the channel on the underside of the Header Bar (3).

Tighten the four M8x25mm Button Head (16) to 15Nm.

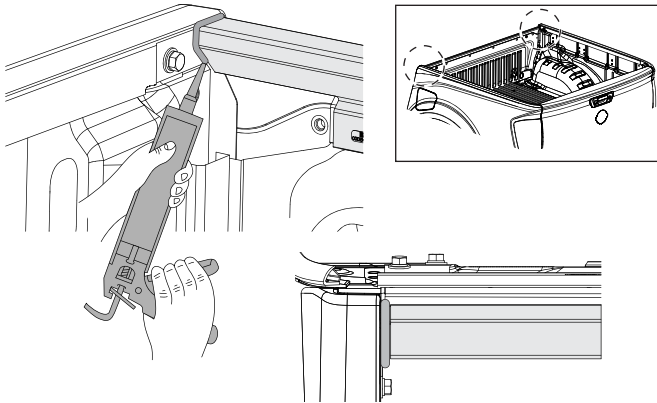


Diagram: 22 - SILICONE GAPS

- 22.** With a clean dry cloth wipe down all areas of the front tub corners to be siliconed as shown. Spray areas to be siliconed with water. Do not dry. Apply non-acetic silicone (neutral cure) to the top of the tub and Header Bar (3) and inside the tub at the join between the front and side panels. Re-spray silicone with water and push silicone into gaps. Clean up excess silicone. Repeat process for the other side of the vehicle.

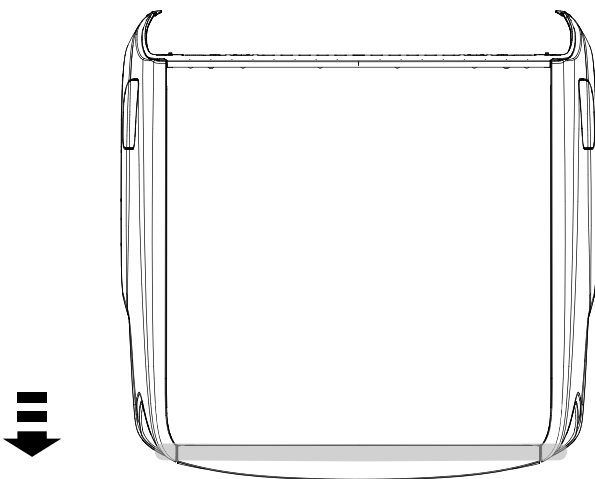


Diagram: 23 - CLEAN TAILGATE

- 23.** Using an Alcohol Wipe (28) clean the top surface of the tailgate and wipe away residue with a clean dry cloth. If heavy cleaning is required use IPA spray and wipe away residue with a clean dry cloth. Apply primer to the tailgate where the double sided tape will adhere.

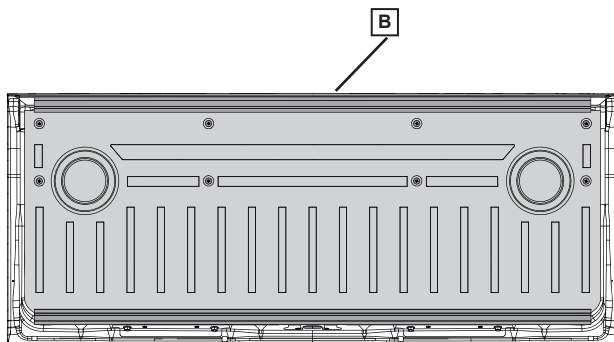


Diagram: 24 - REMOVE TAILGATE LINER

- 24.** Remove Tailgate liner (B) from the tailgate.

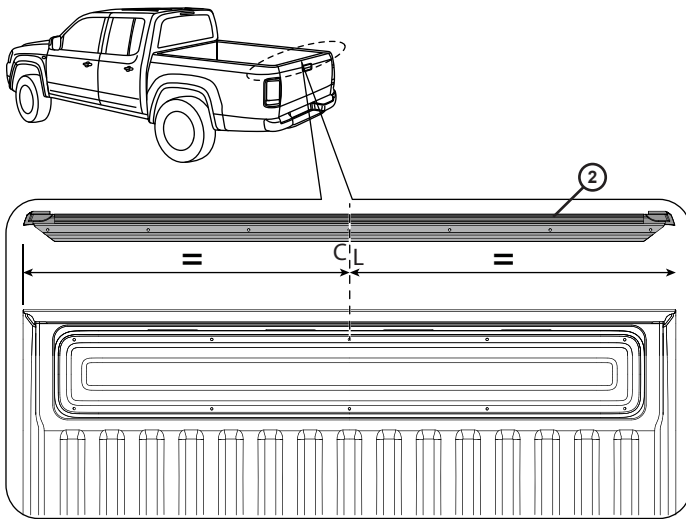


Diagram: 25 - FIT TAILGATE RAIL

- 25.** Using a non permanent marker, measure and mark a line across the centre of the Tailgate Rail (2) and the centre of the tailgate (as shown). Place the Tailgate Rail (2) on the tailgate and check that the Tailgate Rail (2) is an equal distance from each end of the tailgate. Placing the Tailgate Rail (2) on the tailgate, mark the holes on the front of the tailgate using a non permanent marker. Remove the Tailgate Rail (2).

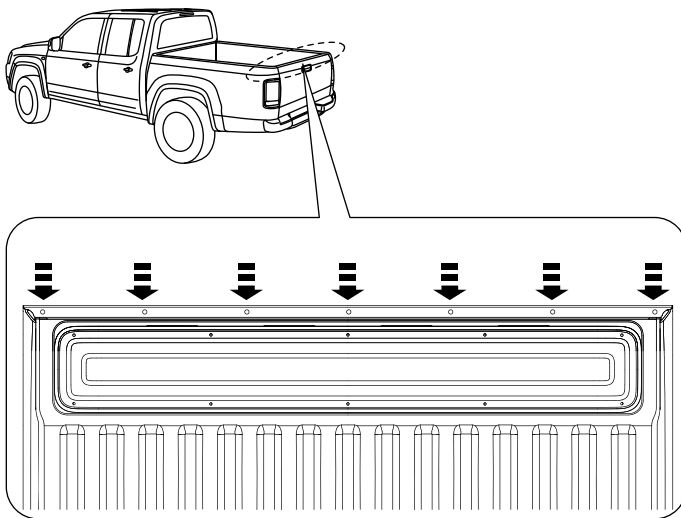


Diagram: 26 - DRILL TAILGATE

- 26.** Using the holes marked in the previous step, drill out the seven Ø5mm holes into the tailgate. Apply Rust Inhibitor (27) to all drilled holes in the tub sheet metal.

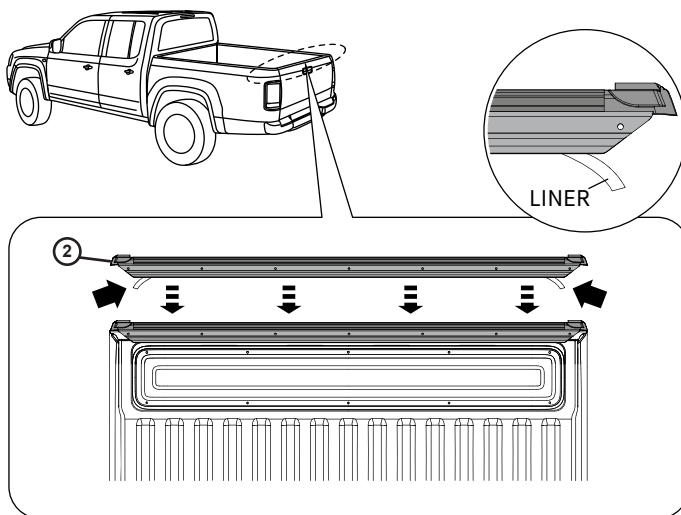


Diagram: 27 - INSTALL TAILGATE RAIL

- 27.** Remove 50mm of liner from each end of the double sided tape applied to the Tailgate Rail (2).

IMPORTANT: Ensure the liner is pinned outside of the perimeter of the Tailgate Rail (2) when the Tailgate Rail (2) is applied.

Fit the Tailgate Rail (2) to the tailgate, aligning with the previously marked centre lines.

Loosely insert the Rivets (20) through the holes in the Tailgate Rail (2) and into the tailgate, then remove liner from the double sided tape by pulling on the liner hanging from the ends of the Tailgate Rail (2).

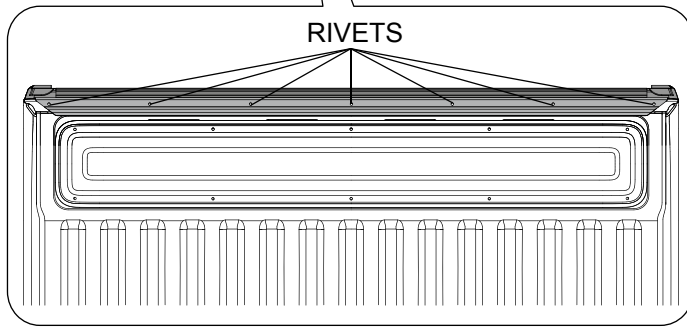
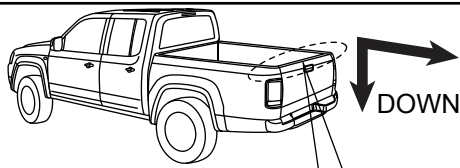


Diagram: 28 - SECURE TAILGATE RAIL

- 28.** Secure the Tailgate Rail (2) with seven Rivets (20).

Apply firm pressure rearwards and down on the Tailgate Rail (2) to ensure maximum adhesion of the tape. Refit the tailgate liner (if required).

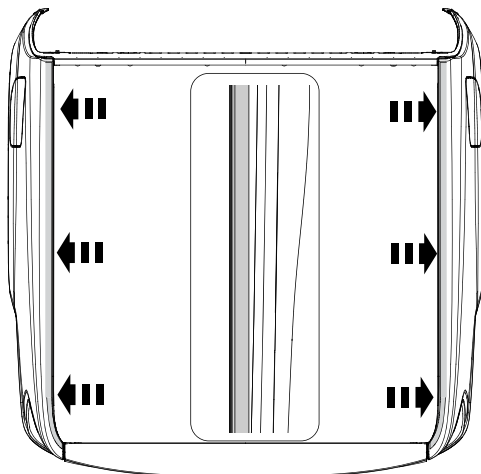


Diagram: 29 - CLEAN SIDE RAILS

- 29.** Using an Alcohol Wipe (28), clean the top surface of the side rails and wipe away residue with a clean dry cloth. If heavy cleaning is required use IPA spray and wipe away residue with a clean dry cloth.

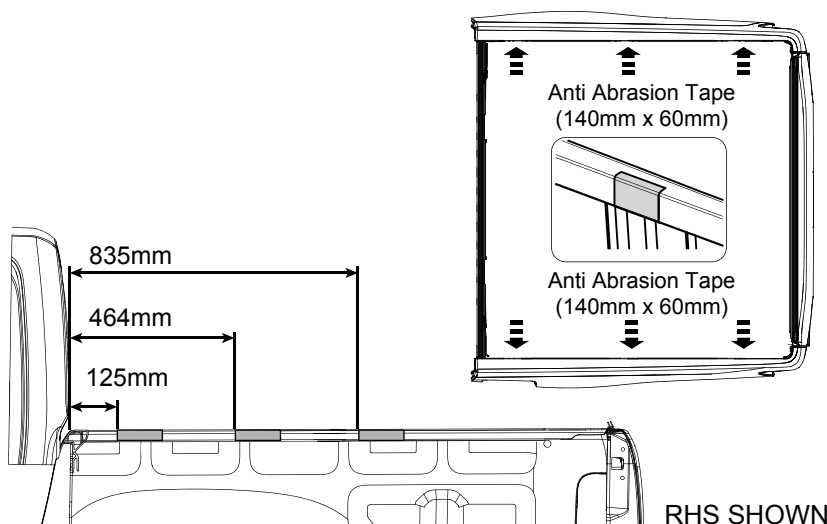


Diagram: 30 - APPLY TAPE TO SIDE RAILS

- 30.** From the front of the tub, measure the distances specified in the Diagram and place the Anti Abrasion Tape (25) as shown.

RHS SHOWN

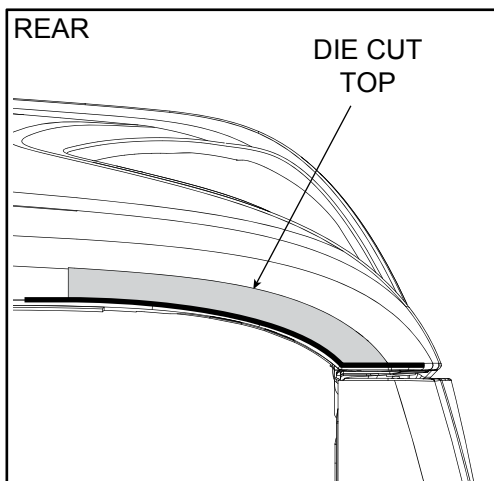


Diagram: 31 - APPLY TAPE TO CORNERS

31. Apply clear die cut Anti Abrasive Corners (26) to the tub corners as shown.

IMPORTANT: 30% Water 70% IPA can be used between the tape and the tub to help position tape.

IMPORTANT: Align neatly to the edges of the radii as shown.

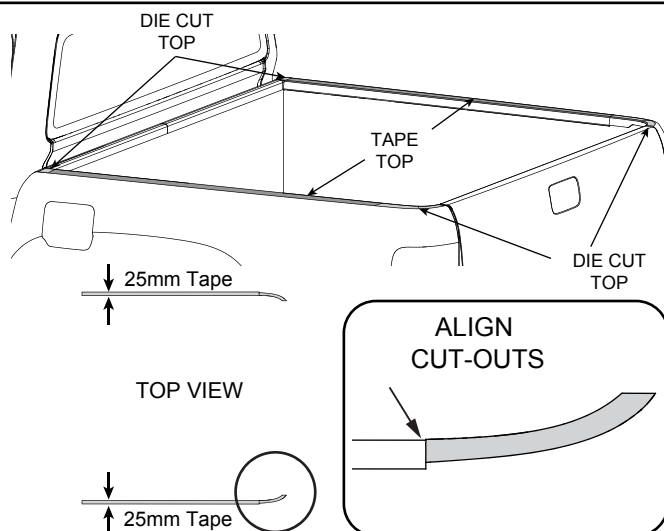
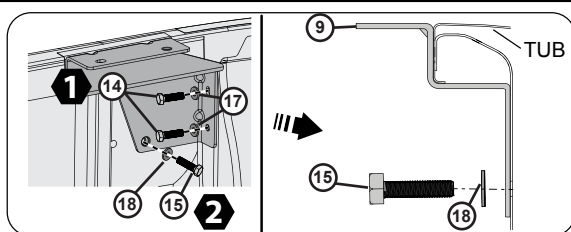


Diagram: 32 - APPLY TAPE TO SIDE RAILS

32. Apply clear Anti Abrasive Tape (25) to the tub sides as shown, until the end of the rail.



1 10 Nm

2 20 Nm

RHS SHOWN

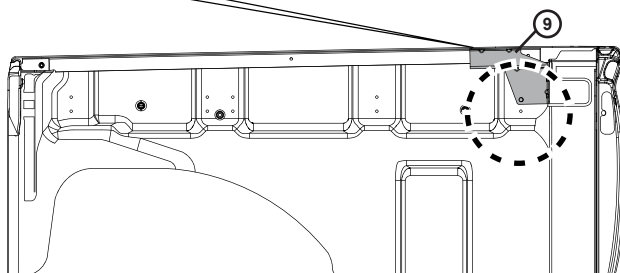


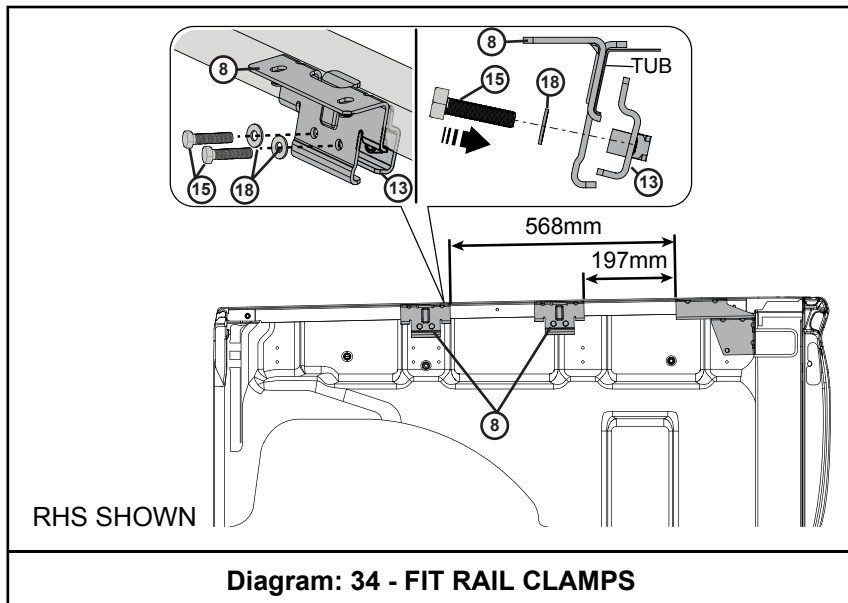
Diagram: 33 - FIT REAR BRACKETS

33. Remove the factory fitted bolts from the D-Pillar rear area of the tub shown and discard. Fit RH Rear Reinforcement Bracket (9) using M6x20 Hex Head Screw (14) and M6 Washer (17) to the D-Pillar. Torque M6x20 Hex Head Screw (14) to 10Nm.

NOTE: If vehicle has an accessory rail, do not install the M8 Bolt in this step.

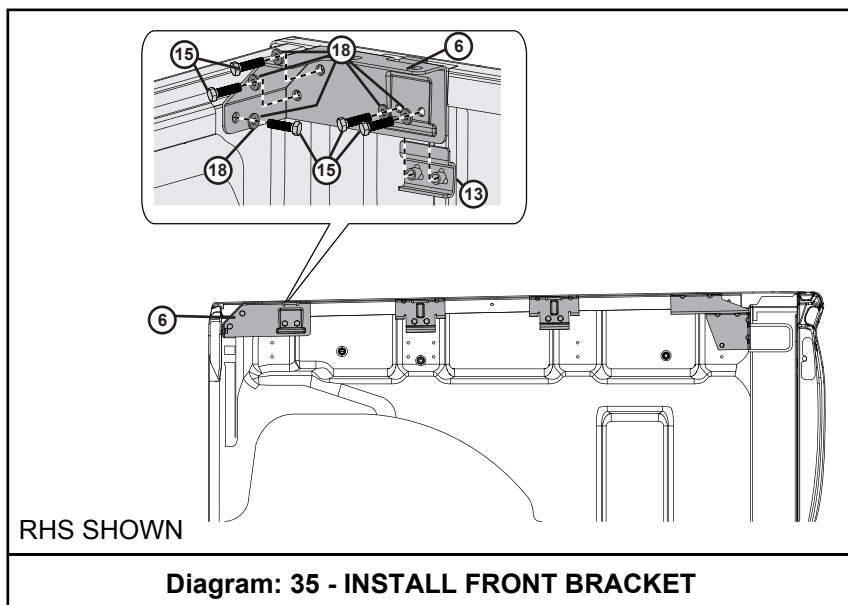
If vehicle has no accessory rail, fit and torque M8x30 Hex Head Screw (15) and washer (18) in the area circled. Torque to 20Nm.

Repeat for LHS.



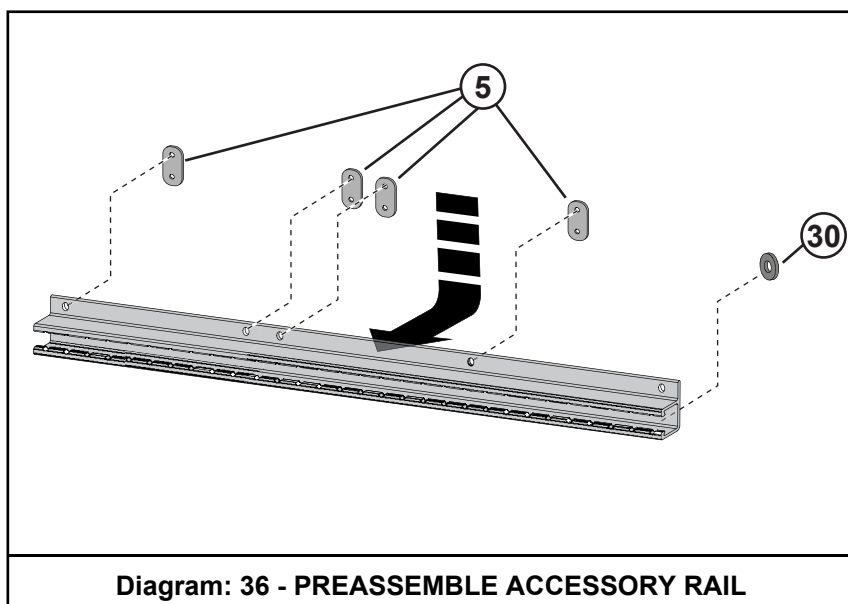
- 34.** From the edge of the rear bracket rail, mark location of the clamp brackets (8). Install clamp brackets (8) using M8 Bolts (15), washers (18) and clamp plate (13). Do not torque at this stage.

Repeat for LHS.



- 35.** Loosely secure the Front Reinforcement Bracket (6) to the side rail near the front of the tub on the RHS using two M8x30 bolts (18), M8 washers (18) and Clamp plate (13).

Repeat on LHS using LHS Reinforcement Bracket (7).



- 36. NOTE:** If no accessory rail, proceed to next step.

Loosely fit the Spacers (5) to the accessory rail using the bolts and washer removed in step 20. Use Spacer (30) at the rear for the bottom hole.

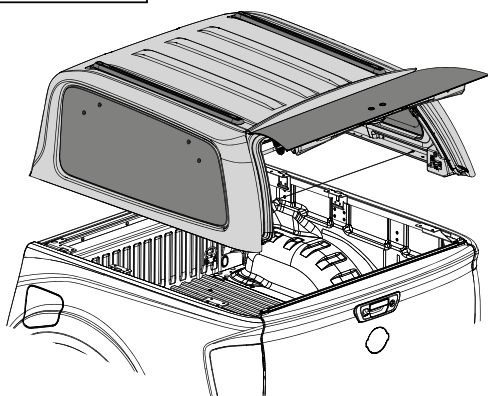
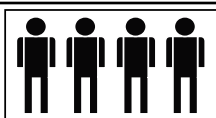


Diagram: 37 - PLACE CANOPY

- 37.** With the rear canopy window open, gently lower the Canopy (1) onto the tub, ensuring it is seated evenly on the tub sides, and slightly back. Align the rear datum hole in the canopy base rail with the hole in the Rear Reinforcement Bracket (9 , 10) as shown. Position the canopy to be central sideways by checking the side alignment and front holes of the side rail placed over the side clamp brackets. Position the Canopy to be central sideways by checking the side alignment and front holes of the side rail placed over the side Clamp brackets.

IMPORTANT: The installation should be performed by four people for safety and efficiency.

IMPORTANT: Remove the keys secured from the rear door of the canopy before proceeding.

- 38.** With one person inside the Canopy (1), slowly close the rear canopy window, and note how it closes. It should not touch the top of the tailgate and fully compresses the rubber extrusion of the Tailgate Rail (2).

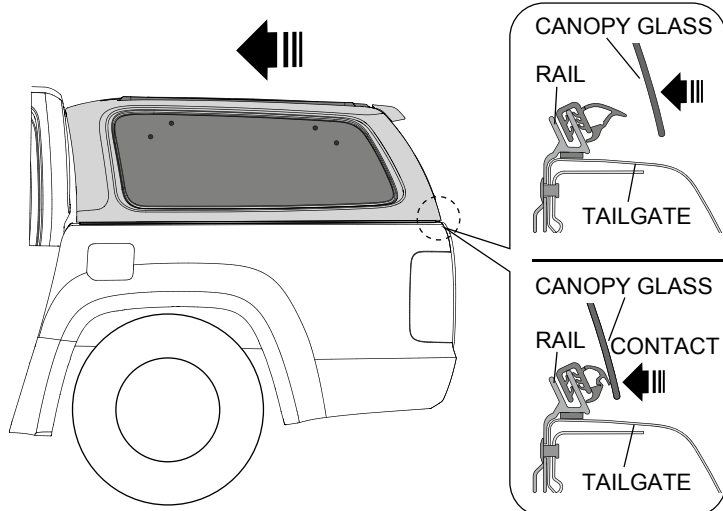


Diagram: 38 - CANOPY POSITION CHECK

- 39.** Secure the Canopy (1) to the Clamps (9, 10) using the M8x30 Bolts (15), M8 Washers (18), Top Plates (12), and M8 Clutch Nuts (19) provided.

For Bolts through the Canopy Rail, torque to 13Nm.

For Bolts through the Clamps, torque to 20Nm.

NOTE: Do not tighten the bolts until all the bolts are loosely fitted to their respective brackets.

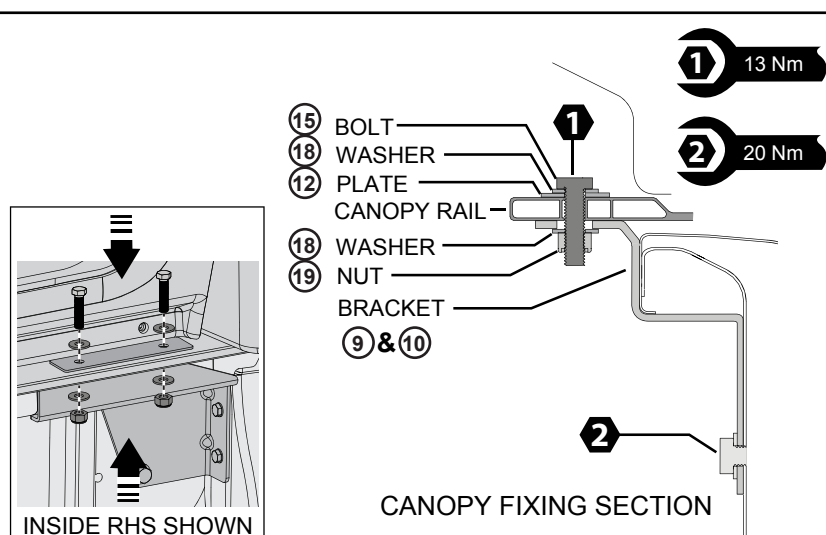


Diagram: 39 - SECURE CANOPY REAR

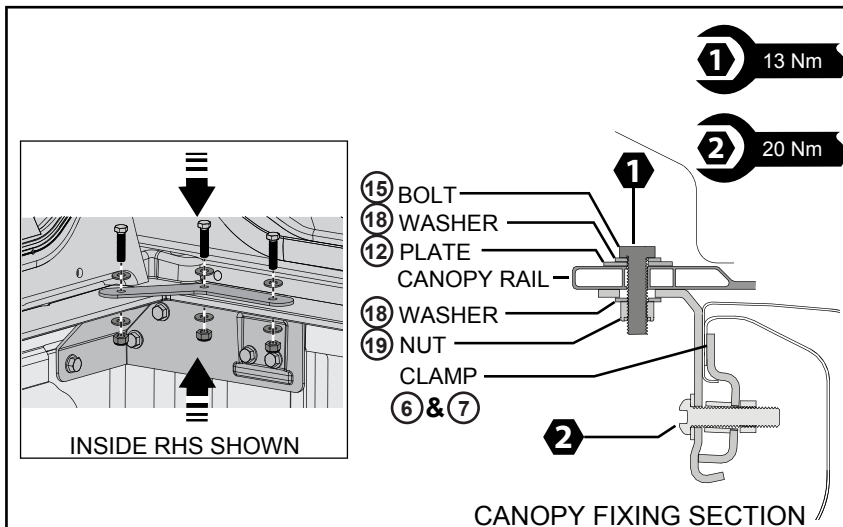


Diagram: 40 - SECURE CANOPY FRONT

40. Secure the Canopy (1) to the Clamps (6 & 7) using the M8x30 Bolts (15), M8 Washers (18), Top Plates (9), and M8 Clutch Nuts (19) provided. For Bolts through the Canopy Rail, torque to 13Nm. For Bolts through the Clamps, torque to 20Nm.

NOTE: Do not tighten the bolts until all the bolts are loosely fitted to their respective brackets.

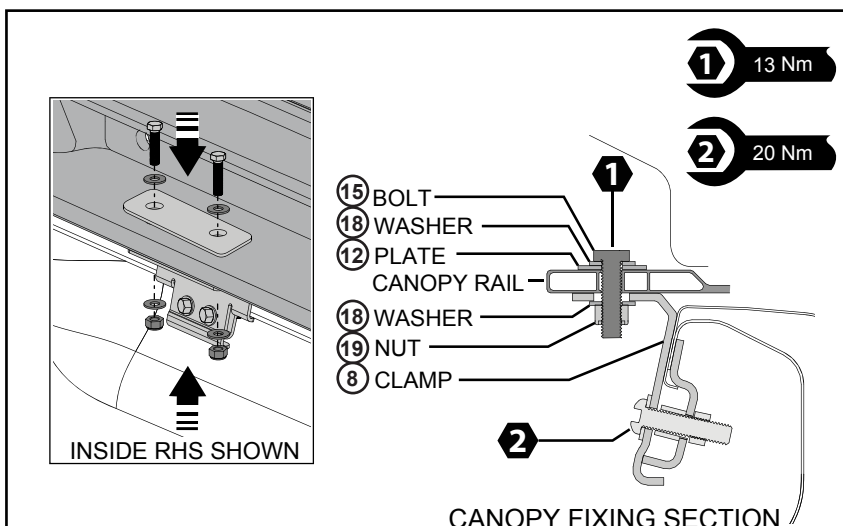


Diagram: 41 - SECURE CANOPY MIDDLE

41. Secure the Canopy (1) to the Clamps (8) using the M8x30 Bolts (15), M8 Washers (18), Top Plates (12), and M8 Clutch Nuts (19) provided. For Bolts through the Canopy Rail, torque to 13Nm. For Bolts through the Clamps, torque to 20Nm.

NOTE: Do not tighten the bolts until all the bolts are loosely fitted to their respective brackets.

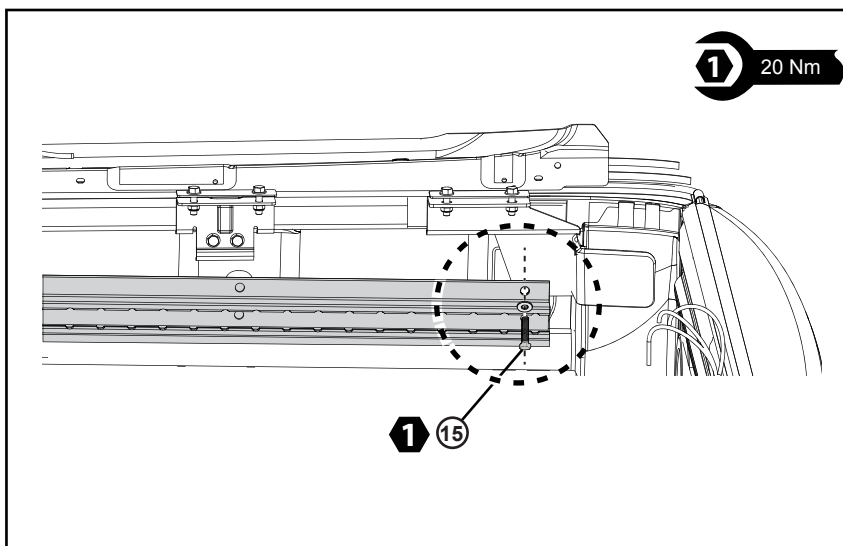


Diagram: 42 - SECURE ACCESSORY RAIL

42. **NOTE:** If no accessory rail, proceed to next step.

Fit accessory rail with M8x30 Bolts (15).

Torque to 20Nm.

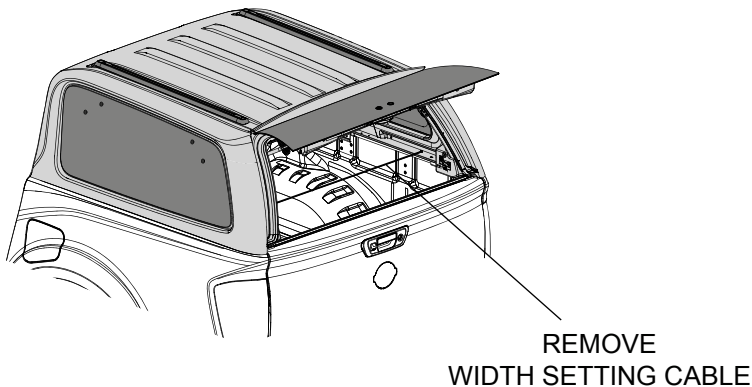


Diagram: 43 - REMOVE WIDTH SETTING CABLE

- 43.** Remove width setting cable from rear of the Canopy (1).

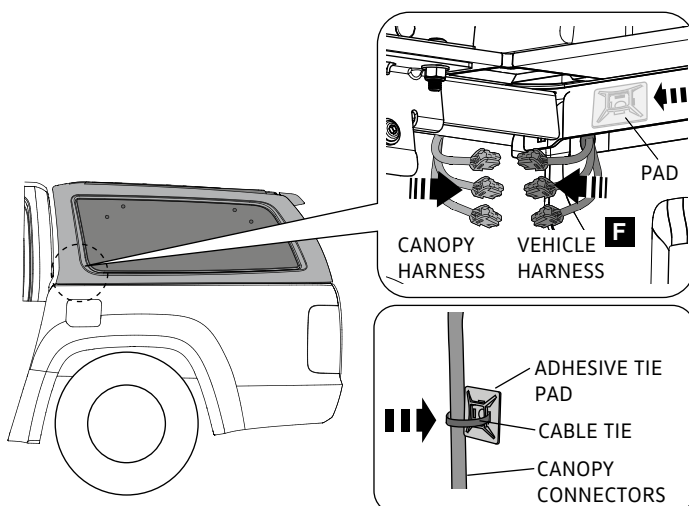


Diagram: 44 - CONNECT CANOPY HARNESS

- 44.** Connect the 1 Pin to 1 Pin, 2 Pin to 2 Pin and 3 Pin to 3 Pin from the Vehicle Harness (31) to the canopy harness as shown.

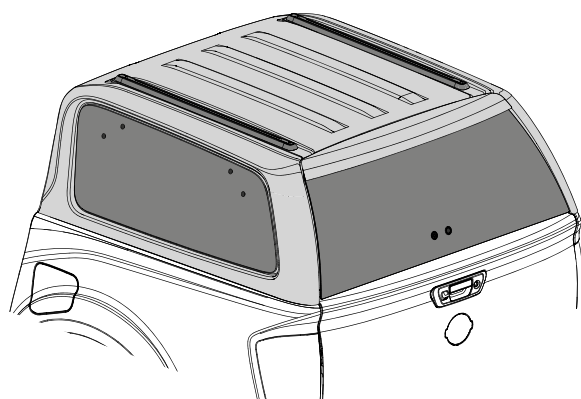


Diagram: 45 - CHECK FUNCTIONS

- 45.** Reconnect the negative battery terminal.

Install previously removed and retained fuses into the positive fuse terminal on the Vehicle Harness (31).

Lock and unlock vehicle once to kick the ECU into action.

Check the function of the canopy central locking, brake lights and interior lights.

Note: Refer to the vehicle workshop manual for tightening battery terminal.

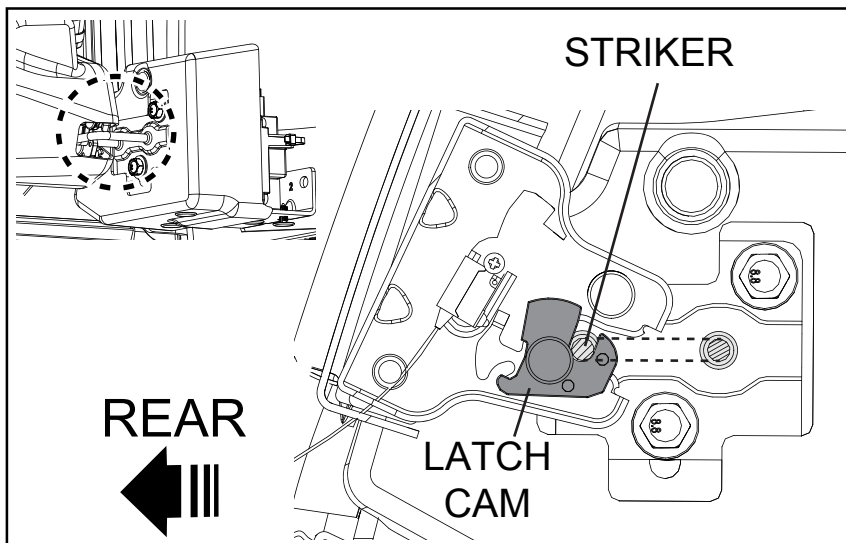


Diagram: 1 - CHECK LATCHING

1. Check that the Striker on both sides of the canopy closes correctly. The Latch Cam is a single stage locking mechanism.

Listen for a single distinct click from each side of the canopy window when locking or unlocking the window.

If the Latch Cam does not produce a click on either side of the window, the Striker is not engaging the Latch Cam correctly.

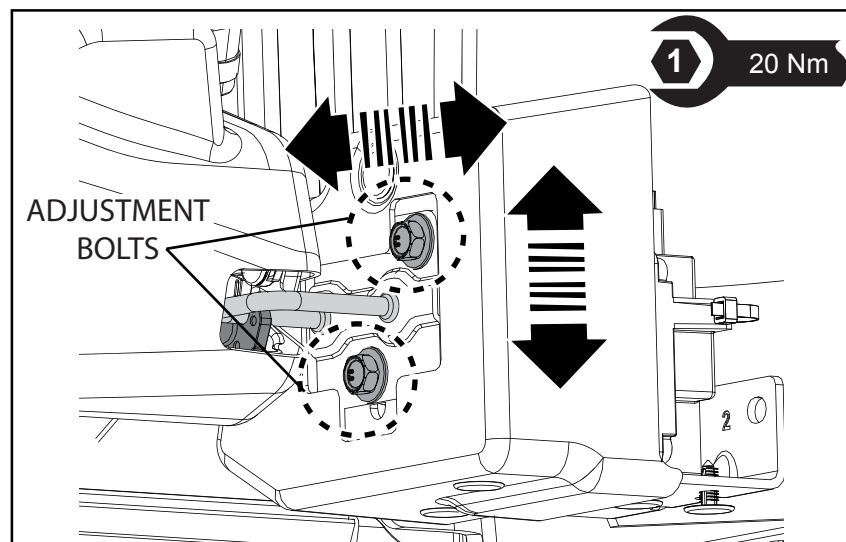


Diagram: 2 - ADJUST STRIKER

2. If the striker is not engaging the latch, the depth or height of the Striker will need to be adjusted.

To adjust, slightly loosen the adjustment bolts, and move the striker incrementally horizontally or vertically.

Appropriately tighten the bolts and test the mechanism after each incremental change. The Striker should be centrally aligned with the Latch Cam. The Latch Cam should not catch or scrape the Striker on engagement or release. If catchment is occurring, readjust the Striker.

Once desired result is achieved, torque the striker adjustment bolts to 20Nm.

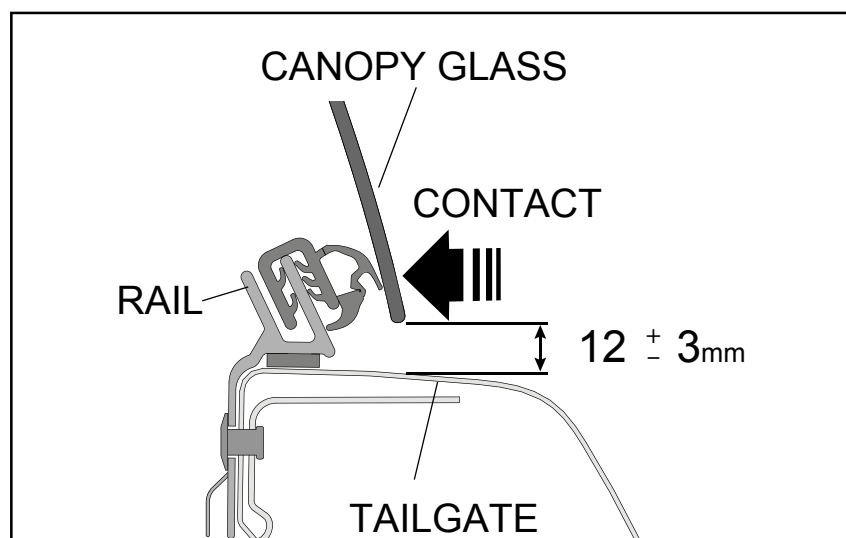


Diagram: 3 - CHECK GLASS CLEARANCE FROM TAILGATE

3. Carefully close the window, ensuring the glass does not contact the tailgate. Ensure there is a minimum 9mm gap (15mm max) between the glass and the top of the tub.

For an appropriate seal and correct latching to occur, the clearance gap must be within the values specified and also be approximately equal on both sides of the canopy. Adjust accordingly.

Example:

- If the LHS clearance gap is 12mm;
- The RHS clearance gap must be $12 \pm 3\text{mm}$.

If the rear window glass clearance measures outside of the above-mentioned min (9mm) and/or max (15mm) values, please contact EGR After Sales Support.