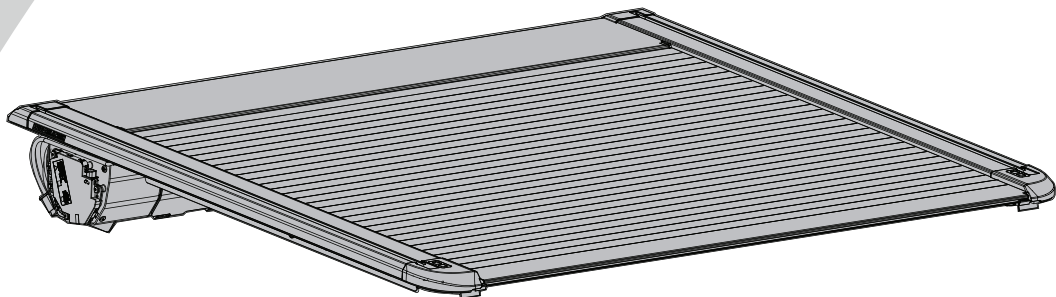


INSTALLATION INSTRUCTIONS

EGR ROLLTRAC

ELECTRIC

Vehicle Model: NISSAN NAVARA D23 (AU/AM)
Year of manufacture: 2014-2020



Installation time: 180 minutes (without tubliner)

Caution

- Do not attach EGR RollTrac in a location or by a method not specified.
- Do not use this product for any vehicle make or model, other than those specified in this document.
- Do not remove the plaque or label from this product.
- Do not modify the structure of the EGR RollTrac in any way.

General Notes

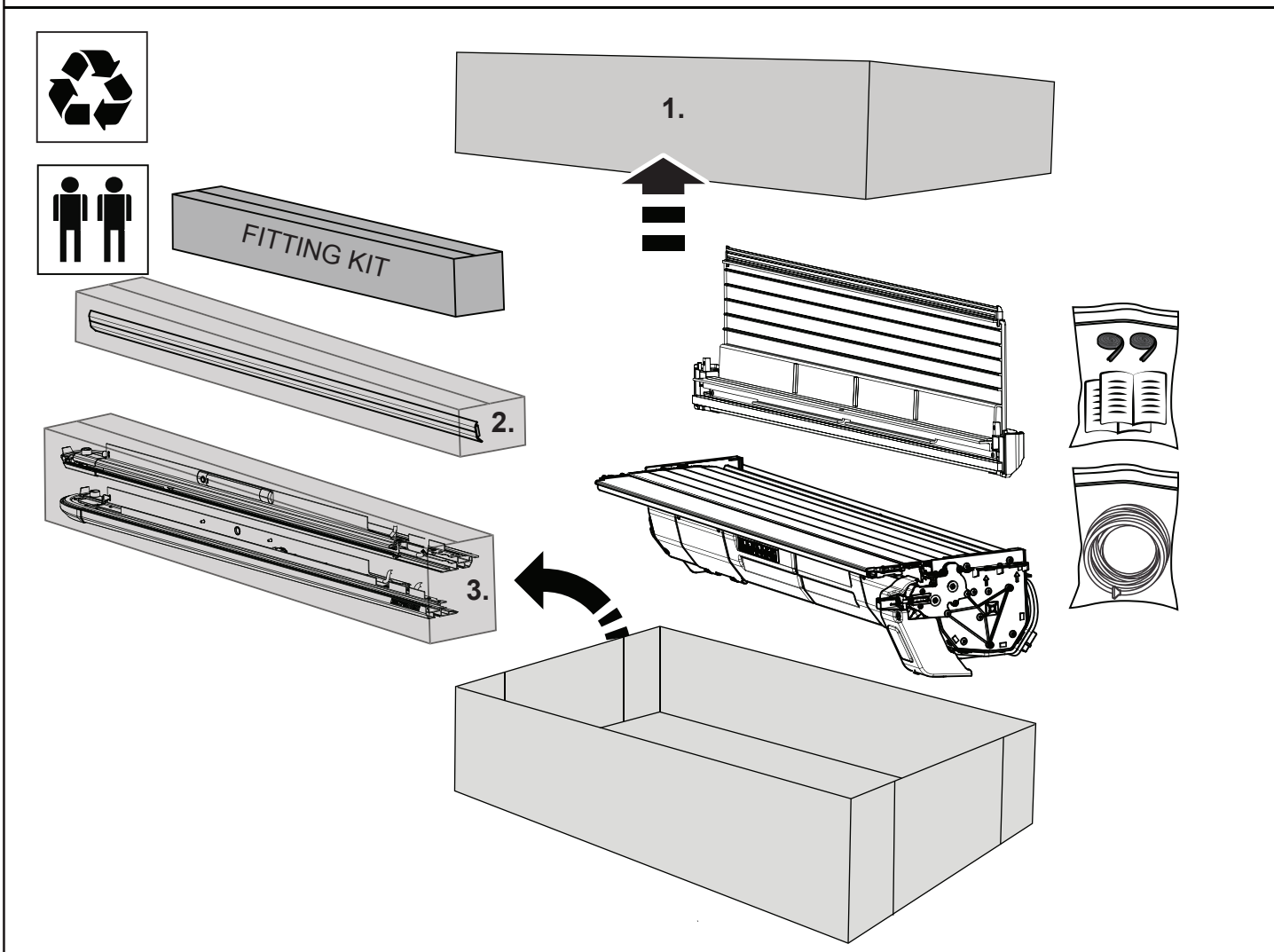
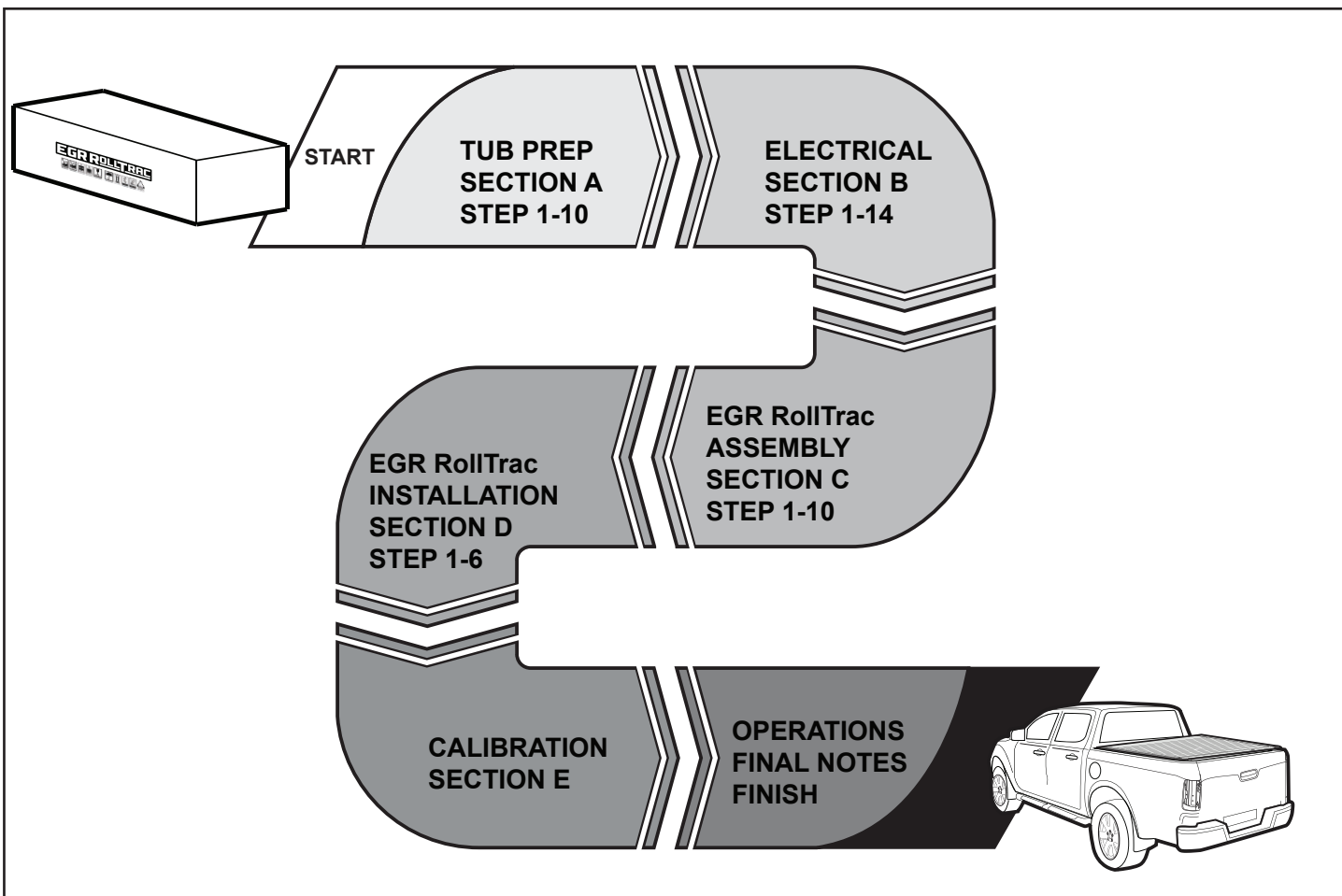
- Read through the fitting instructions before installation of EGR RollTrac.
- Always install the accessory following the fitting instructions. Failure to do so may cause damage to the vehicle or the accessory.
- Ensure all recyclable discarded vehicle accessory components and packaging are recycled following local recycling regulations.
- It is always recommended that this accessory is fitted by a qualified Technician.
- Safely store and protect any removed vehicle components.
- Ensure all bare metal surfaces are protected using Automotive Bare Metal Primer and touch-up paint.
- Remove all metal swarf and dust from all vehicle surfaces if surface is used for accessory installation.



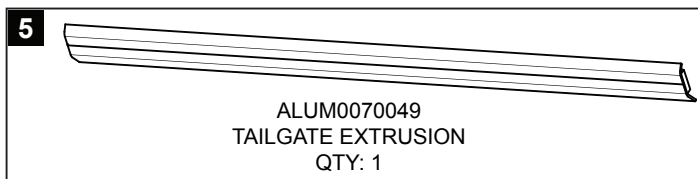
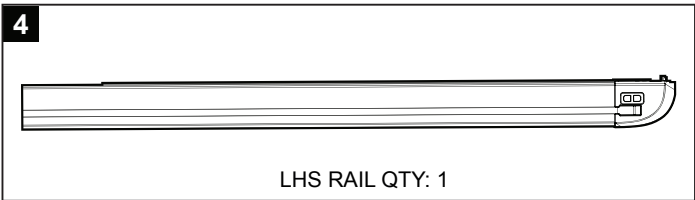
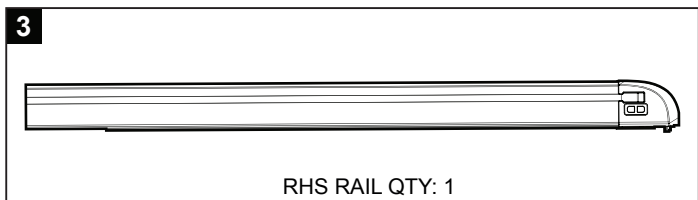
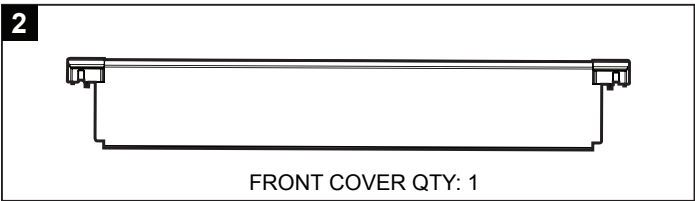
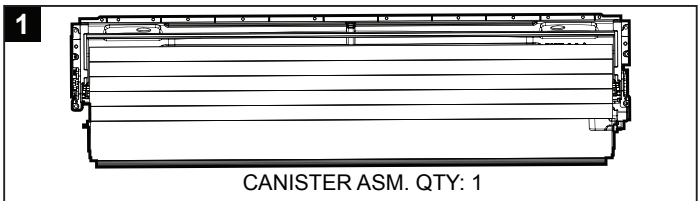
Safety Notes

- Check that all work practices comply with safety standards.
- Please wear appropriate clothing and use safety equipment.

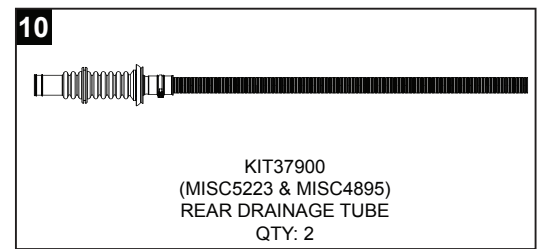
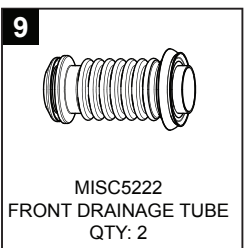
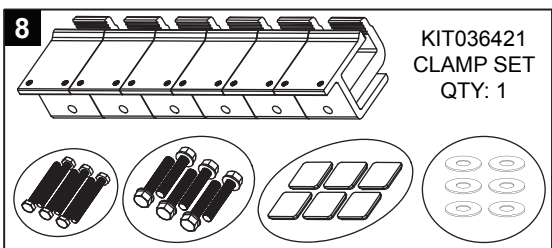
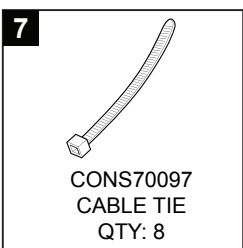
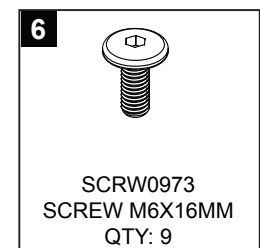




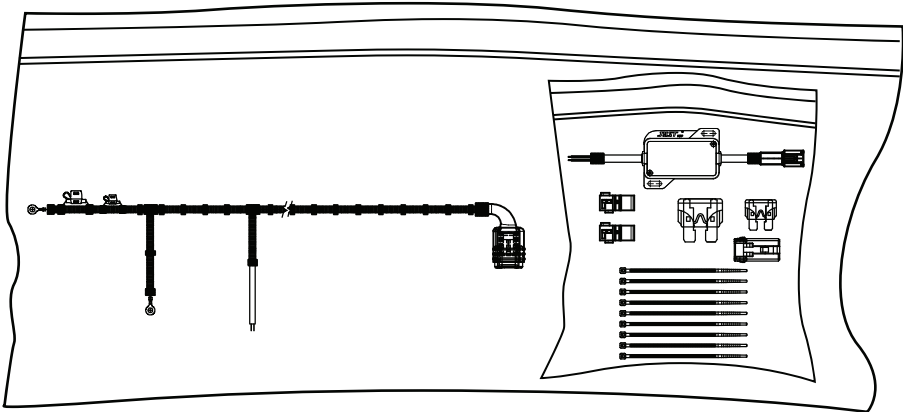
KIT CONTENTS - COMPONENT NUMBER AND QUANTITY



EGR RollTrac FITTING KIT IN BOX

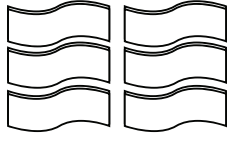


EGR RollTrac FITTING KIT COMPONENTS IN BAGS

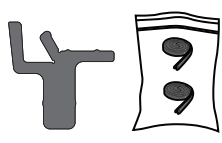


EGR RollTrac FITTING KIT ADDITIONAL ITEMS

12 TAPE0698
TAPE 150X25MM
QTY: 6



13 RUBBER
EXTRUSION
QTY: 2



INSTALLATION
INSTRUCTIONS



OWNERS
MANUAL



TOOLS REQUIRED - NOT SUPPLIED IN KIT



Drill



Holesaw
Ø29mm
Ø38mm
Ø60mm

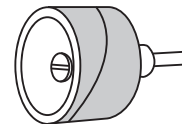


Centre Punch & Hammer

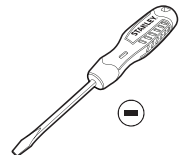


Drill Stop

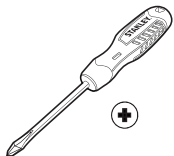
Drill Bits
Ø2.0mm
Ø5.5mm
Ø9.0mm



Bobbin Sander Ø60mm



Flat Screwdriver



Phillips Screwdriver



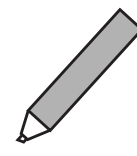
Tape Measure



Scissors



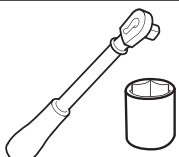
Masking Tape
Fiberglass Tape
Black Cloth Tape



Non-permanent pen



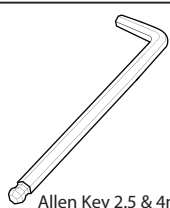
Spanners 8,10,13mm



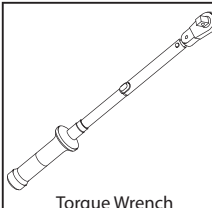
Ratchet & Sockets
7,10,13mm



Allen Key 4mm



Allen Key 2.5 & 4mm



Torque Wrench



6mm File



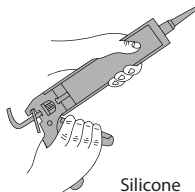
Soapy Water



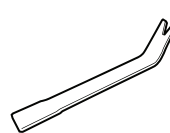
50/50
Isopropyl Alcohol/Water



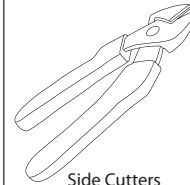
Rust Inhibitor



Silicone



Trim Removal Tool

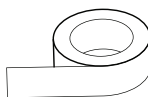


Side Cutters



Silicone Spray

Cutting device
needed to trim
tubliner



Anti-abrasion tape to seal
holes & slots

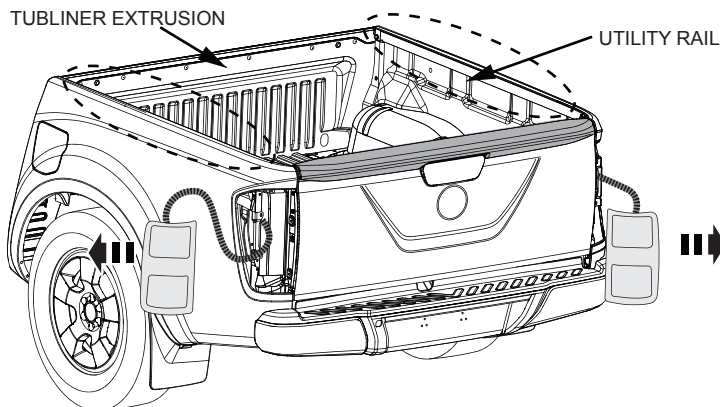
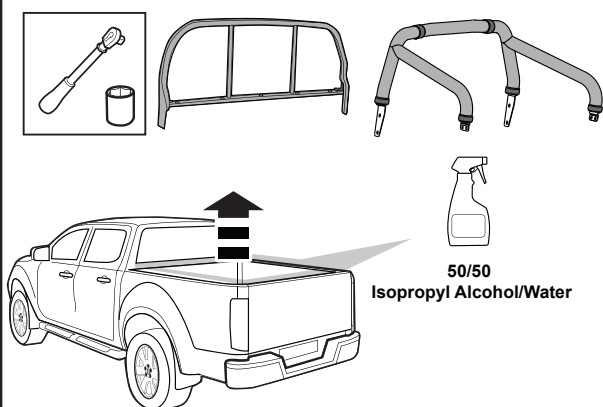
Primer 3M 94
(preferred) or
equivalent.

GLOSSARY:

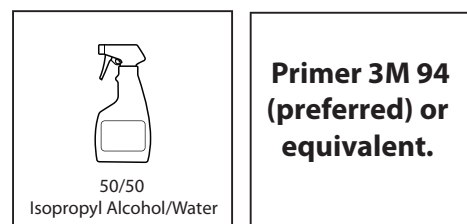
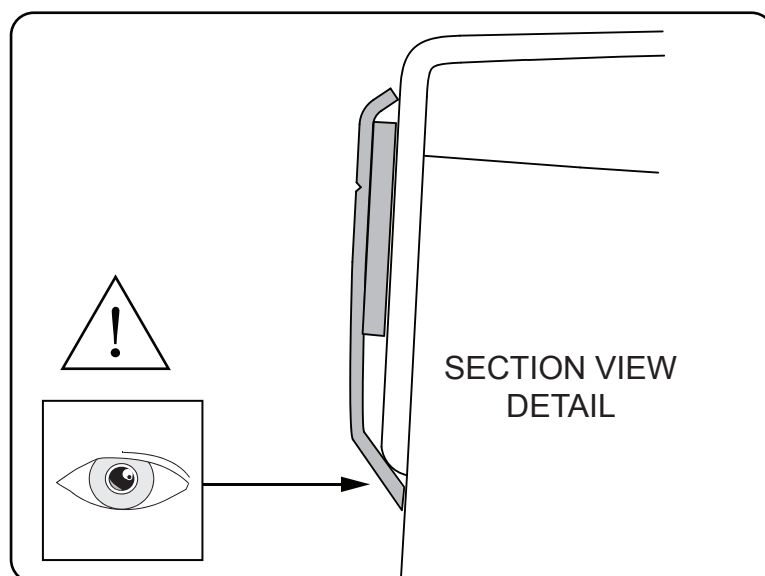
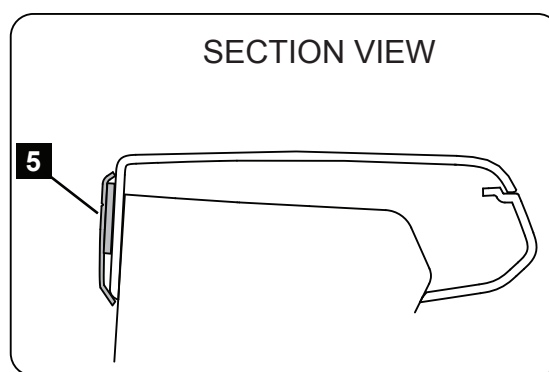
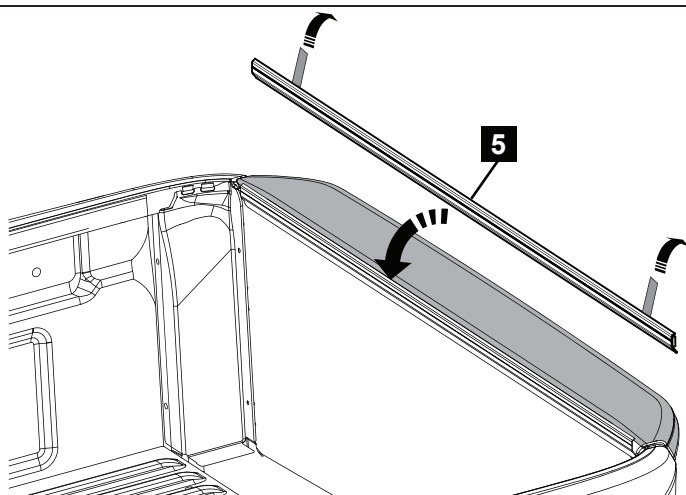
- 1** Number inside a square indicate part number
- 1** Number inside circle indicate the sequence within a step
- 1** Number inside the hexagon indicate torque instruction

SECTION A

TUB PREPARATION

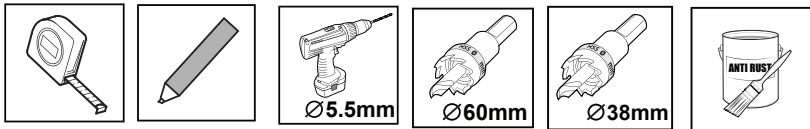


- 1 Carefully remove any accessories (Sports Bars, Cabin Guards, etc.) attached to the tub of the vehicle. Thoroughly wash the vehicle and tub and ensure that all dirt and grease is removed. Allow to dry. Clean the top surfaces of the tub and tailgate with a mixture of Isopropyl Alcohol and Water (50/50) and allow to dry. Carefully remove both Rear Tail Lamps with the appropriate tools and store in safe place. Retain all hardware for re-installation. Remove side utility rails and front tubliner extrusion.

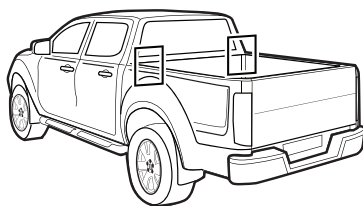


**Primer 3M 94
(preferred) or
equivalent.**

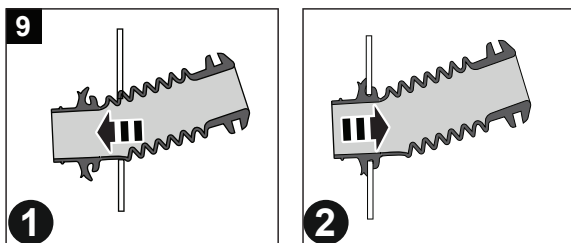
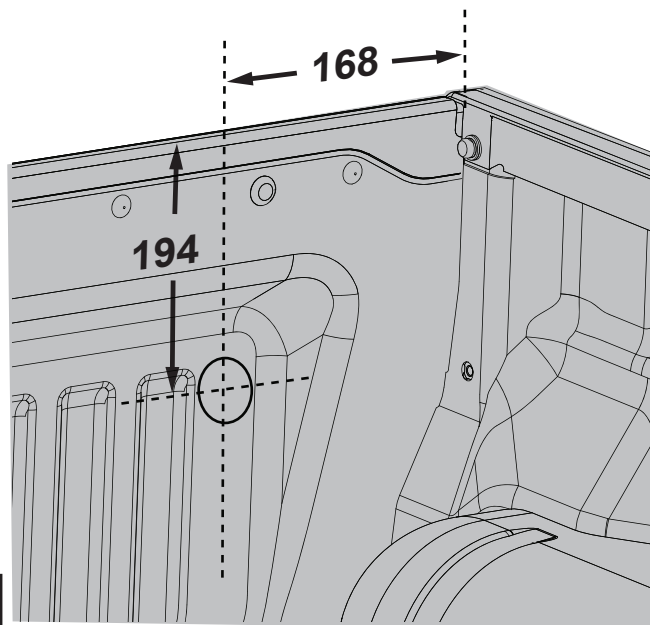
- 2 Test fit the tailgate extrusion to the inside top edge of the tailgate as shown in the section view.
NOTE: the extrusion should fit as shown in detail where longer return is at the bottom.
IMPORTANT: clean the tailgate area where the double sided tape will contact Isopropyl alcohol and apply primer to promote the adhesion of the double sided tape.
Peel about 50mm of the liner from the double sided tape and fold upwards. Place the tailgate extrusion on the tailgate as shown. Once in position, press on both ends to adhere the part and carefully pull the tape liner away. Press the part to the tailgate to adhere fully.



FRONT DRAIN TUBE LOCATION



FRONT OF TUB
RHS SHOWN
WITH TUBLINER

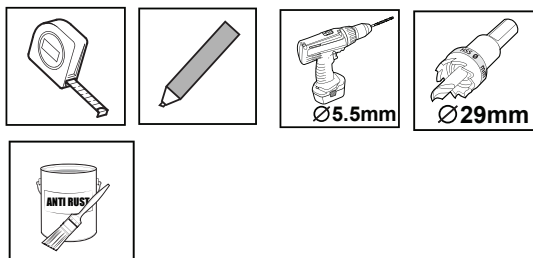


INSTALL FRONT DRAIN TUBES TO TUB

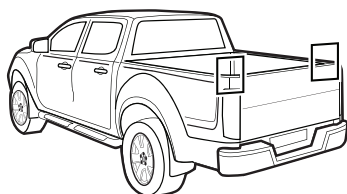


ATTENTION: Ensure that the diameter of the hole does not exceed 38mm. Larger hole size will lead to water ingress into the tub

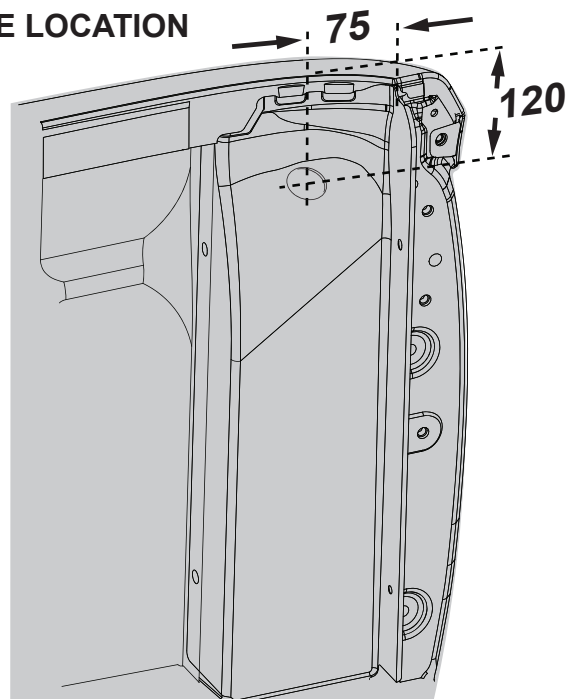
- 3** Measure and markup the positions for the front Drain Tubes on both sides. Centre punch the locations and drill through the tub and tubliner (if fitted) with 5.5mm drill as shown. Drill out the front pilot holes in **the tubliner with 60mm holesaw**. RHS shown, repeat for the LHS. **Note: If needed remove the tubliner.** Drill the pilot holes in **the tub with 38mm holesaw**.



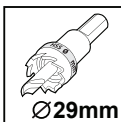
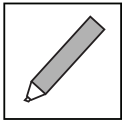
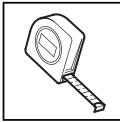
REAR DRAIN TUBE LOCATION



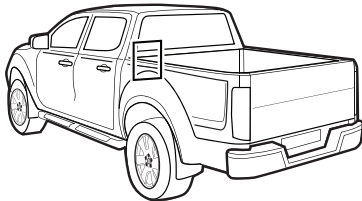
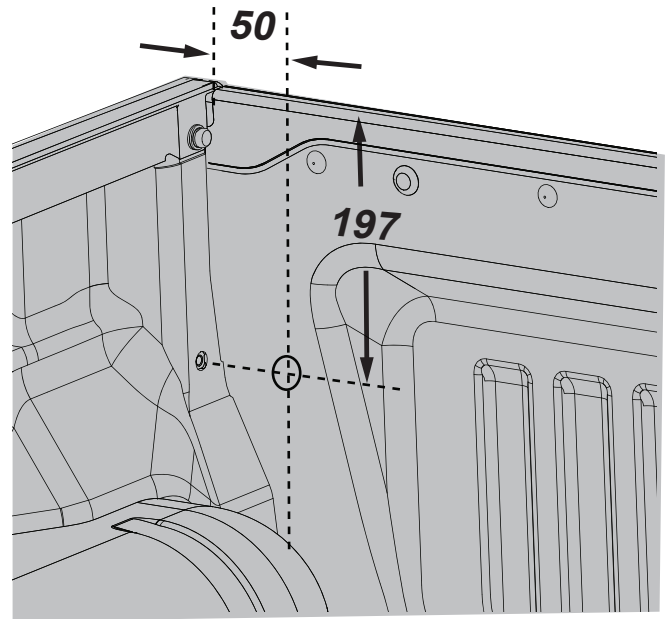
REAR OF TUB
RHS SHOWN
WITH TUBLINER



- 4** Measure and markup the positions for the rear Drain Tubes on both sides. Centre punch the locations and drill through the tub and tubliner (if fitted) with 5.5mm drill as shown. Drill out the pilot holes in **the tubliner and tub with 29mm holesaw**. RHS shown, repeat for the LHS. If no tubliner fitted, use the dimensions provided. Clean all burrs and coat the exposed metal with a suitable rust preventative (not supplied). **Note: If needed remove the tubliner.**

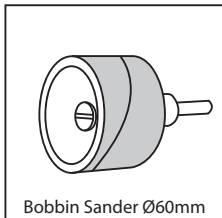


ELECTRICAL HARNESS ENTRY HOLE LOCATION



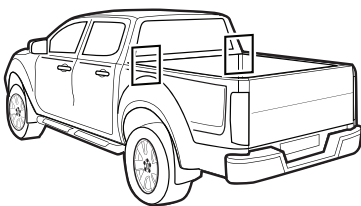
FRONT OF TUB
LHS SHOWN
WITH TUBLINER

- 5** Measure and markup the hole positions at the front LHS of the tub for the electrical harness. Centre punch the locations and drill through the tub and tubliner (if fitted) with 5.5mm drill as shown. Drill out the pilot holes in **the tubliner and tub with 29mm holesaw**. Clean all burrs and coat the exposed metal with a suitable rust preventative (not supplied). **Note: If needed remove the tubliner.**

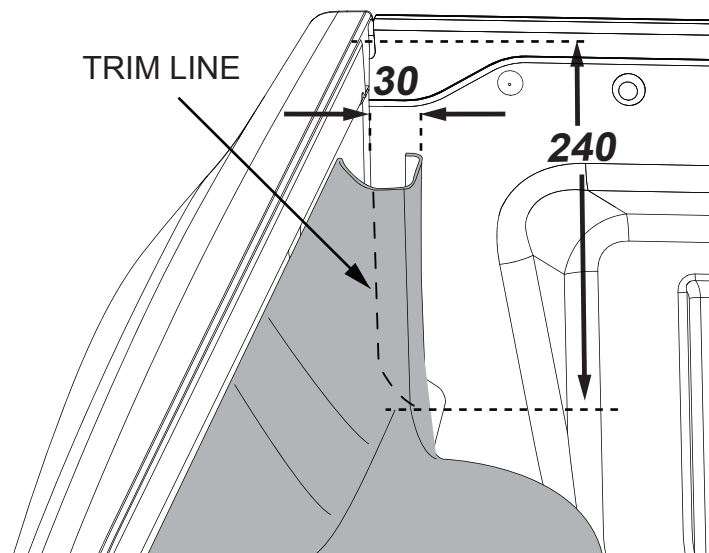


Bobbin Sander Ø60mm

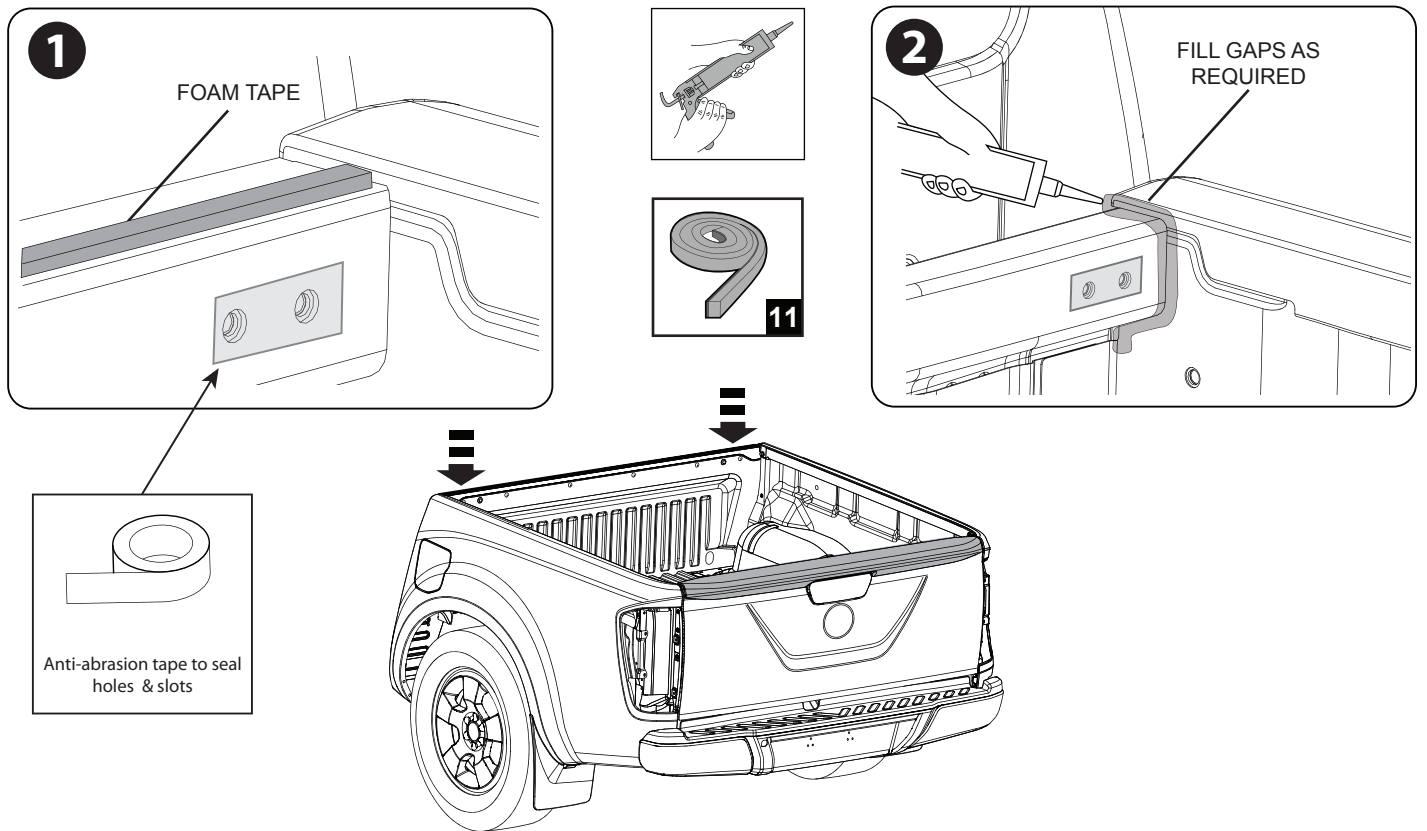
Cutting device
needed to trim
tubliner



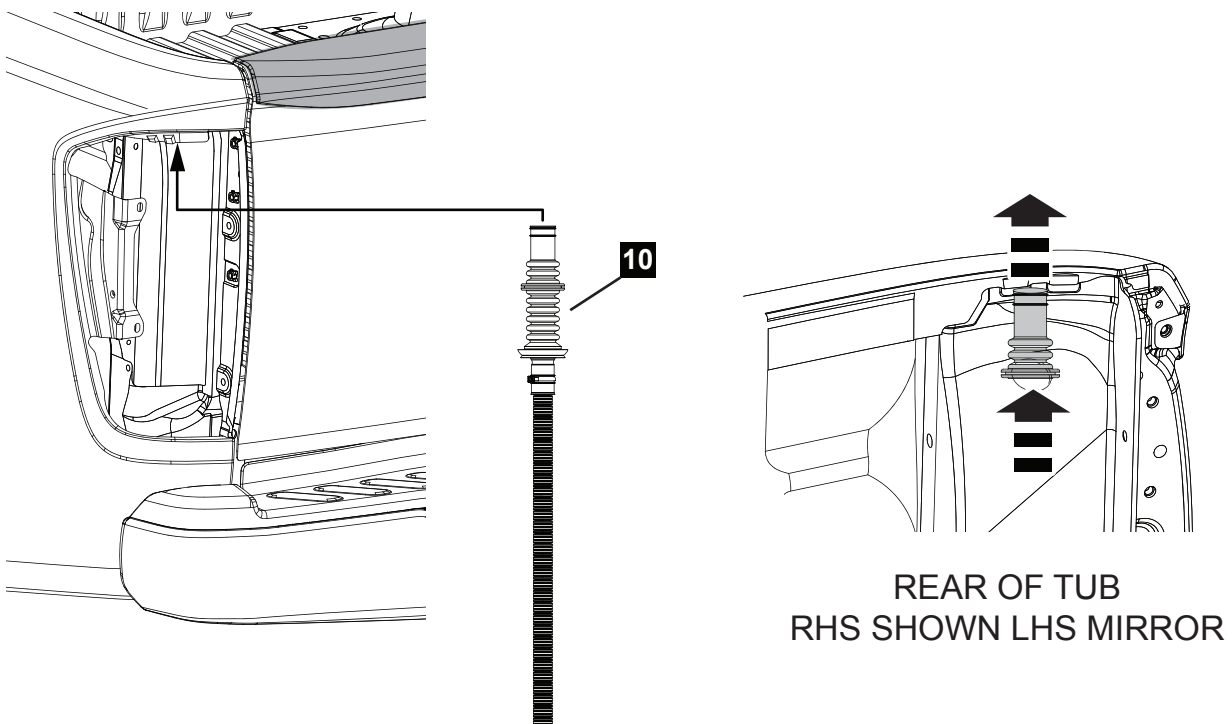
FRONT OF TUB
LHS SHOWN
WITH TUBLINER



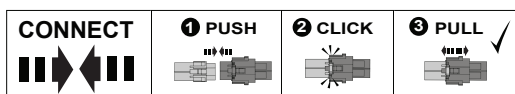
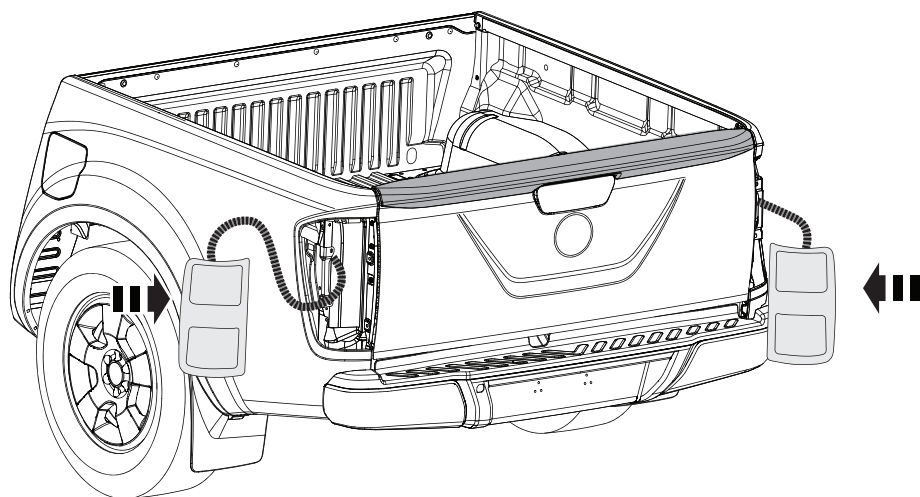
- 6** Mark the tubliner trim as shown and trim on both sides.
Note: If needed remove the tubliner.



- 7** Clean the tub top with isopropyl alcohol (50/50) and use primer. Allow to dry. Apply foam tape (11) to the top of the front tub rail close to the rear edge of the rail as shown. To prevent water ingress, apply a bead of silicone (non-acidic) to gaps such as between the front rail and the side rail as shown. Holes in the tub from any removed accessories should be covered using tape or silicone.
NOTE: Ensure the Silicone bead transitions smoothly between front and side rail.

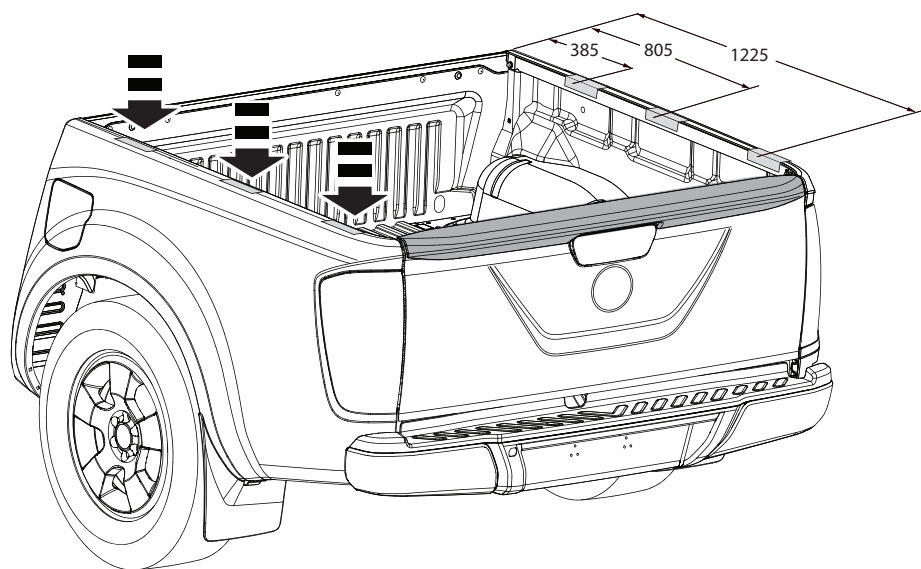


- 8** Fit the rear drain tubes (10) from the inside of the tail lamp cavity up through the drilled hole.

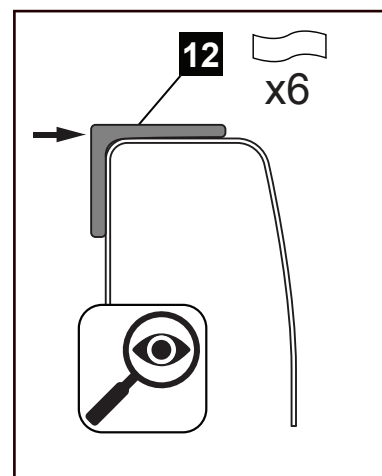


PULL THE CONNECTORS
NOT THE CABLE

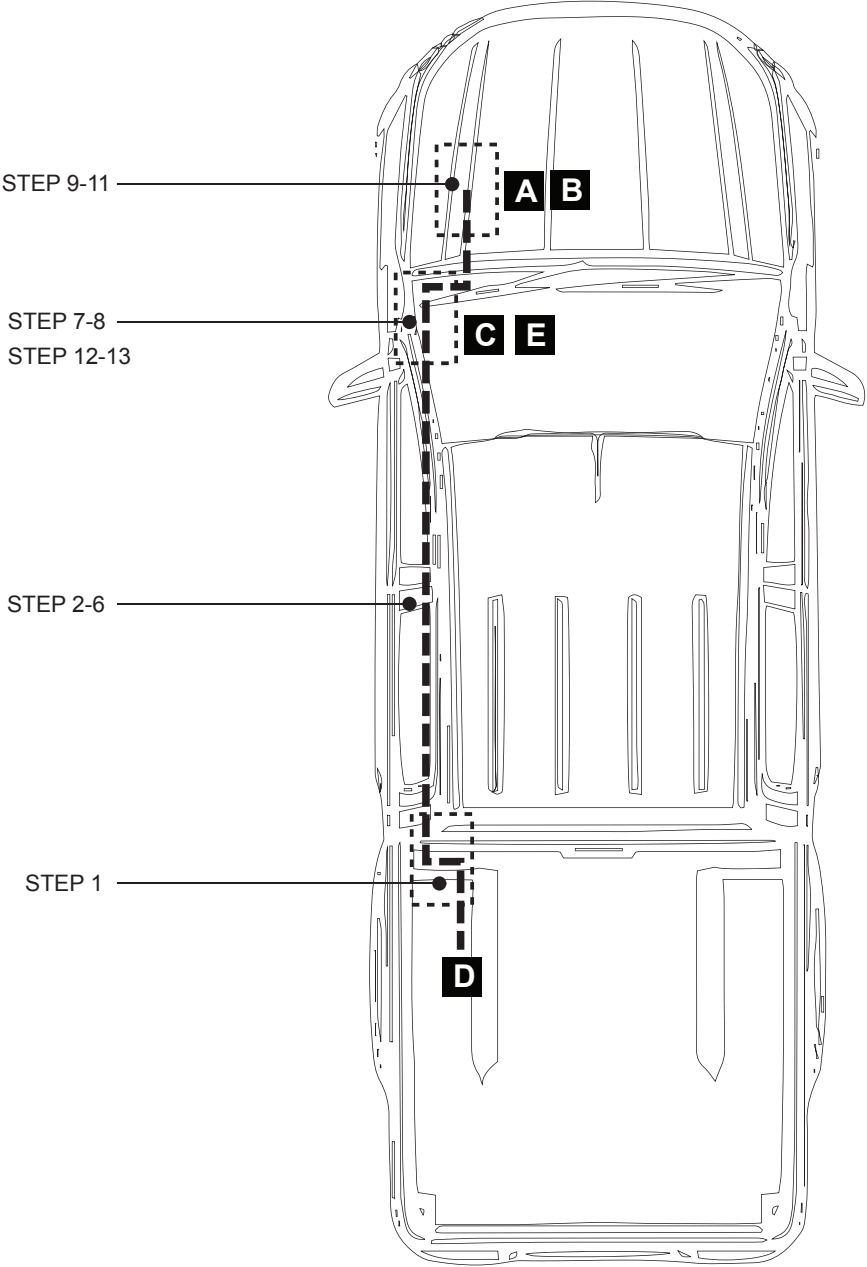
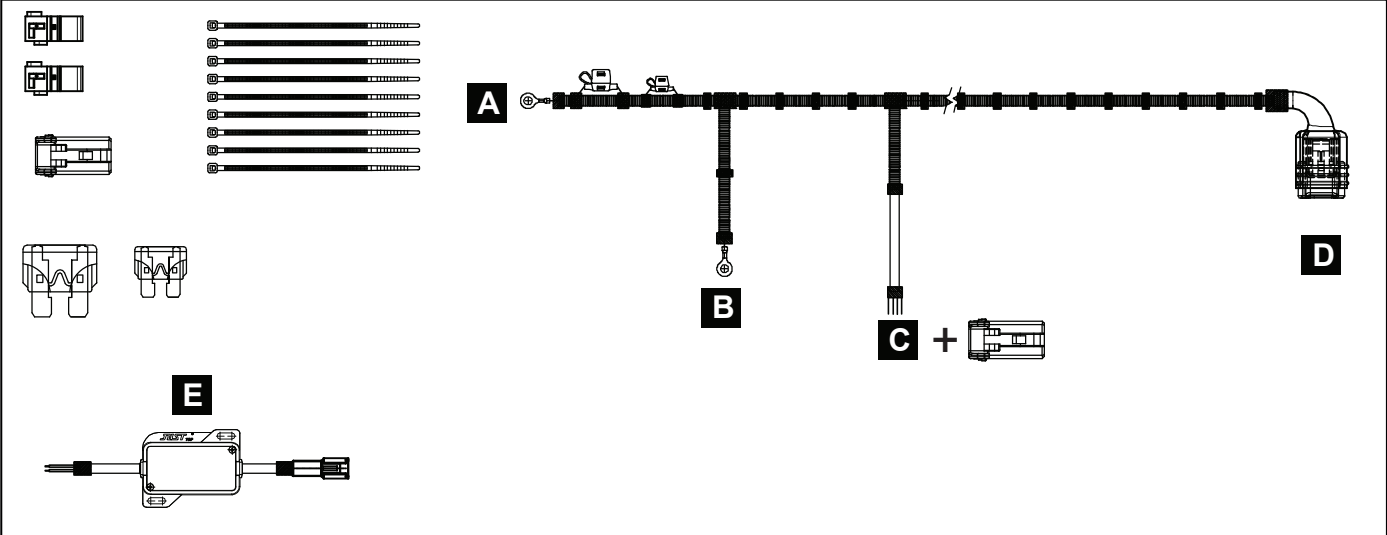
9 Refit rear tail lamps.



SECTION VIEW OF THE TAPE ON TUB

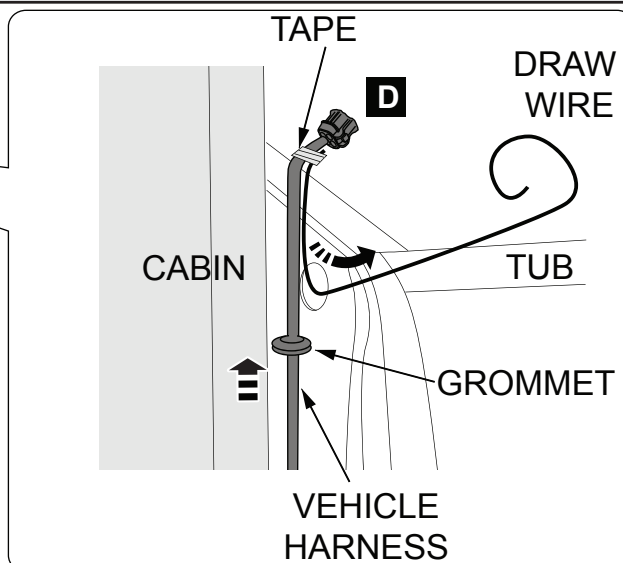
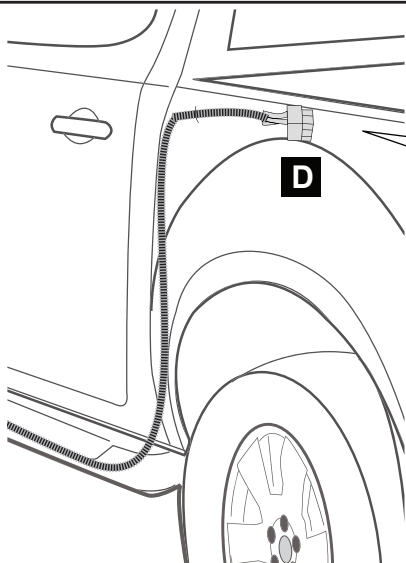


- 10** Clean top of the tub. Measurements taken from front of the tub to the centre of each tape, as per the diagram. Adhere 6 Abrasive Protection Strips (12) to the top of the tub at clamp locations. Position the tape so that it is aligned with the inside wall of the tub as shown.

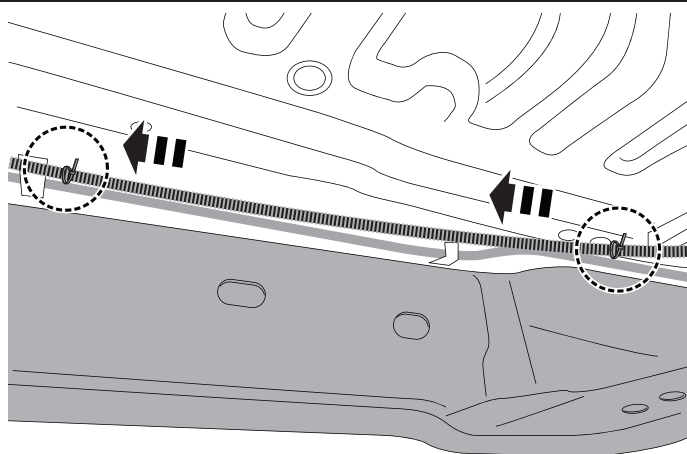
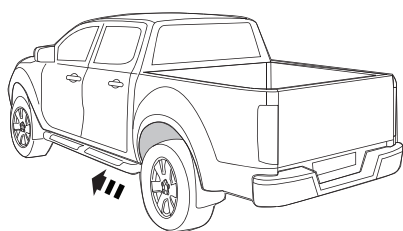




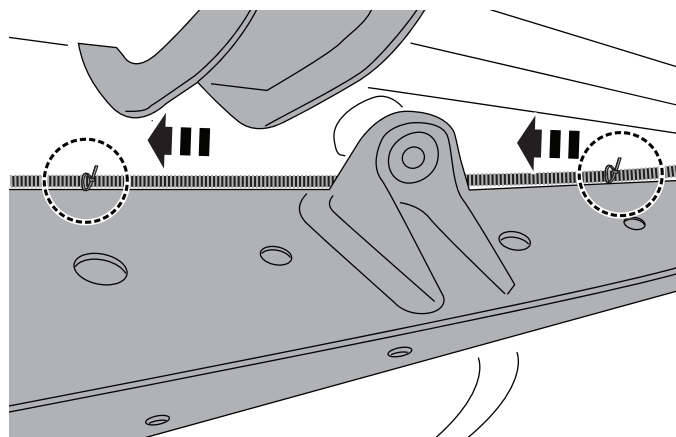
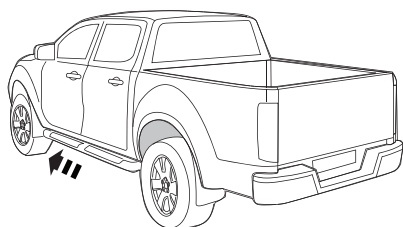
WHILE ROUTING THE VEHICLE HARNESS AVOID ANY VEHICLE COMPONENTS THAT HEAT UP, LIKE EXHAUST AND ENGINE COMPONENTS. DO NOT ATTACH HARNESS TO FUEL LINES AND AVOID PINCH POINTS.



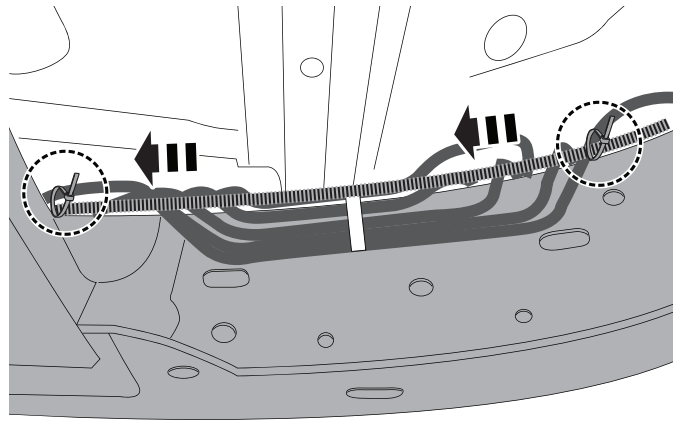
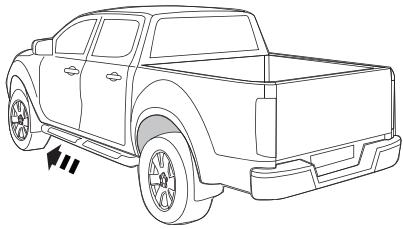
- 1** Run the vehicle harness down between cabin and tub with the connector (D) at the top of the tub. Feed the draw wire through the hole in the tub, towards the gap between cabin. Tape the connector (A) to the draw wire and pull into the tub until it seals with the grommet.



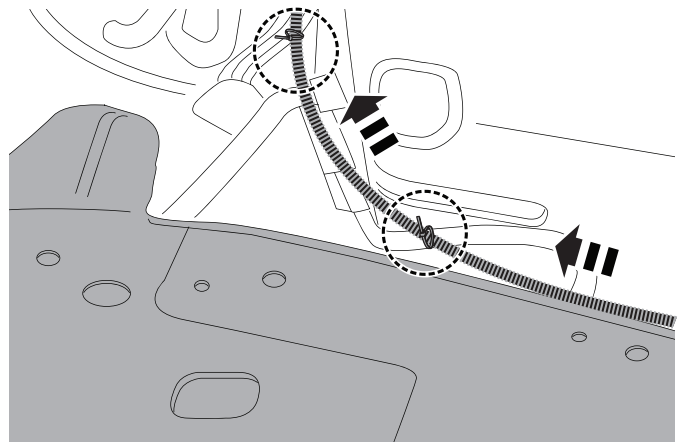
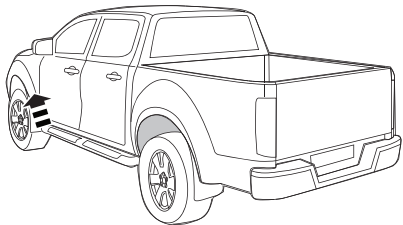
- 2** From underneath the vehicle, route the Vehicle Harness terminals branch towards the front of the vehicle, following the inside of the LHS chassis rail. Use the supplied cable ties and clip to the existing vehicle brake line mounts where feasible. **DO NOT** cable tie the harness to the brake lines.



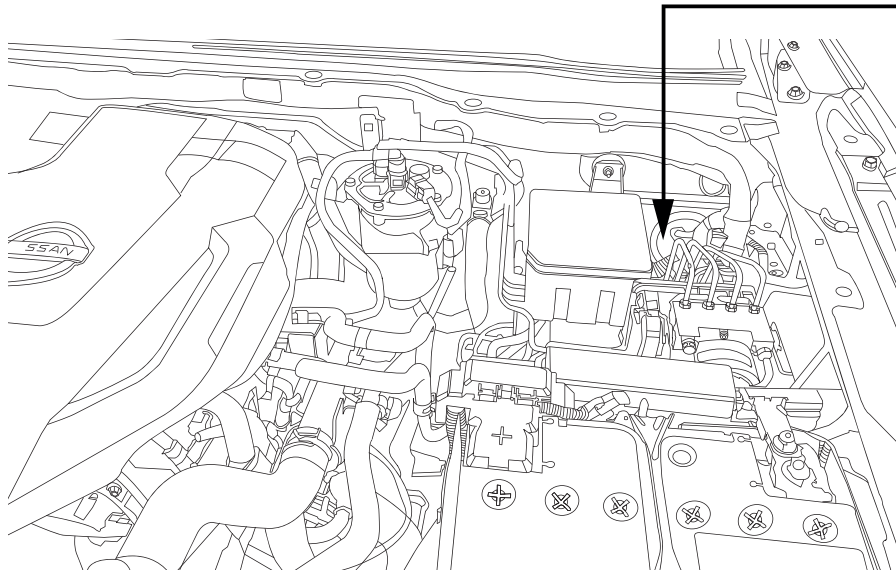
- 3** From underneath the vehicle, route the Vehicle Harness terminals branch towards the front of the vehicle, following the inside of the LHS chassis rail. Use the supplied cable ties and clip to the existing vehicle brake line mounts where feasible. **DO NOT** cable tie the harness to the brake lines.



4 Following the LHS chassis frame, route the Vehicle Harness towards the engine bay.



5 Following the LHS chassis frame, route the Vehicle Harness towards the engine bay and up the firewall towards the car battery.

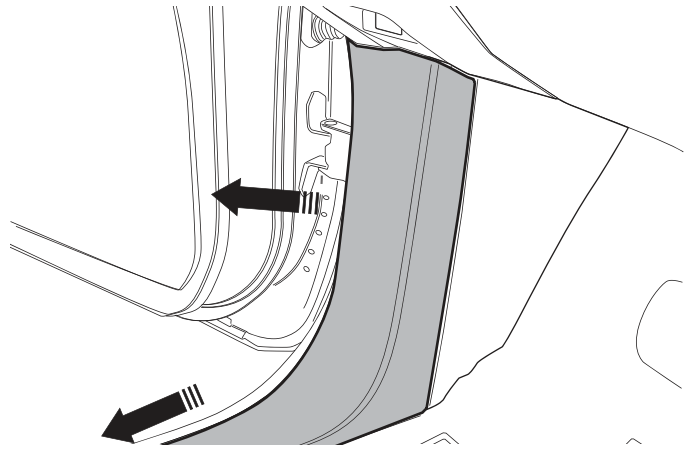
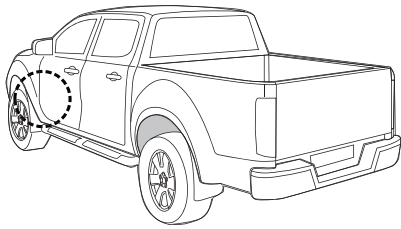


**FEED THE VEHICLE
HARNESS INTO ENGINE
BAY HERE!**

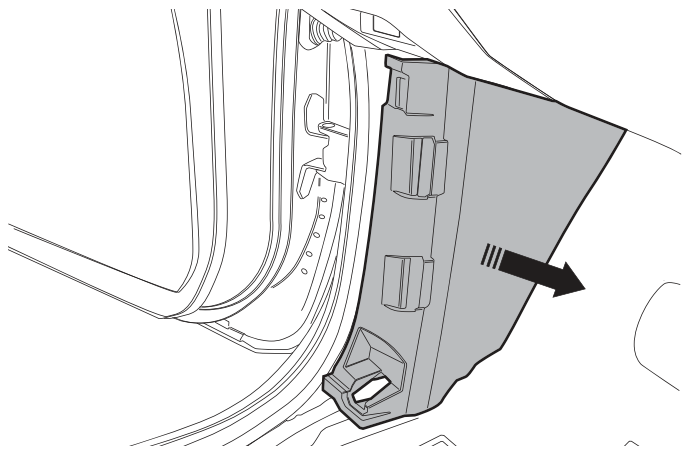
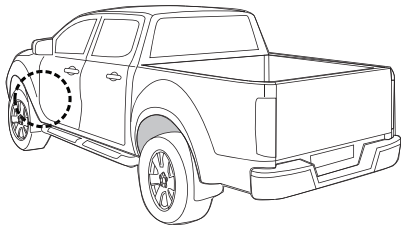


**VEHICLE HARNESS
SHOULD NOT TOUCH
ANY ENGINE PARTS THAT
CAN HEAT UP**

6 Feed the Vehicle Harness into the engine bay as shown above.



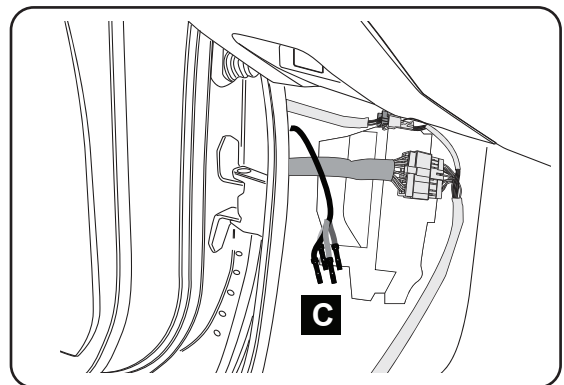
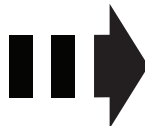
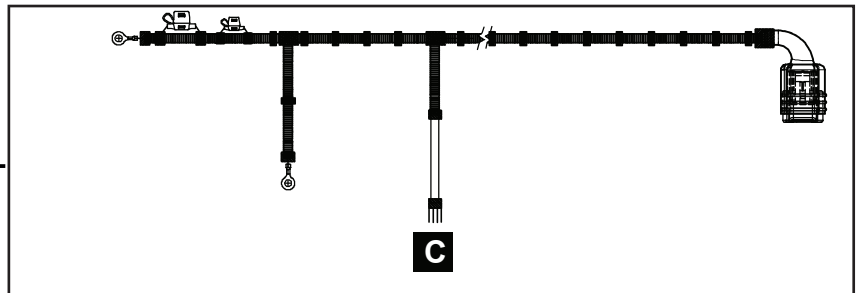
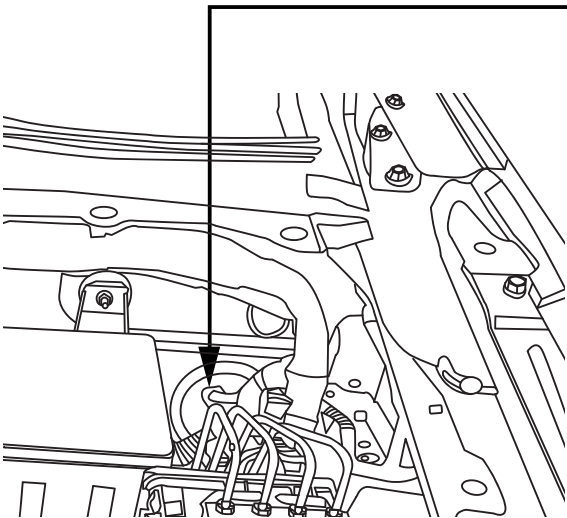
7 At the front passenger side foot well area, remove the scuff plate trim using a trim removal tool.



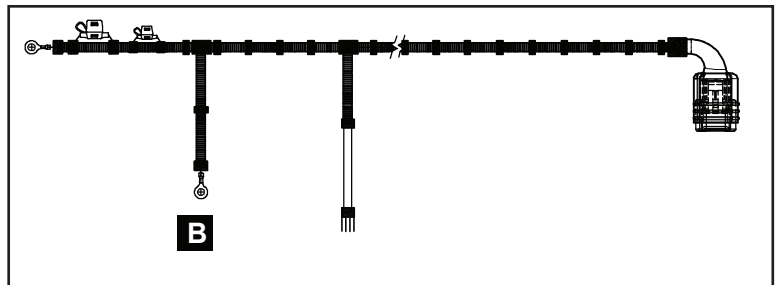
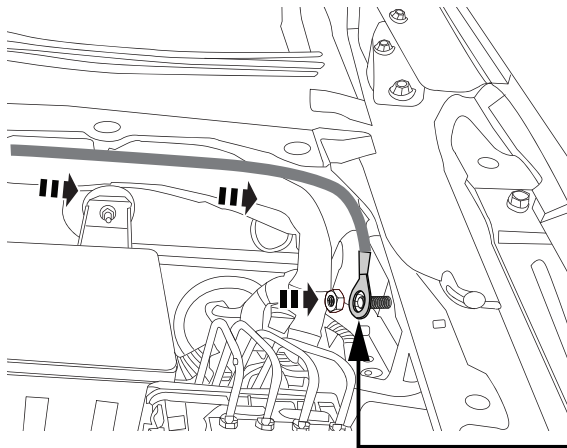
8 Remove the kick panel as shown.



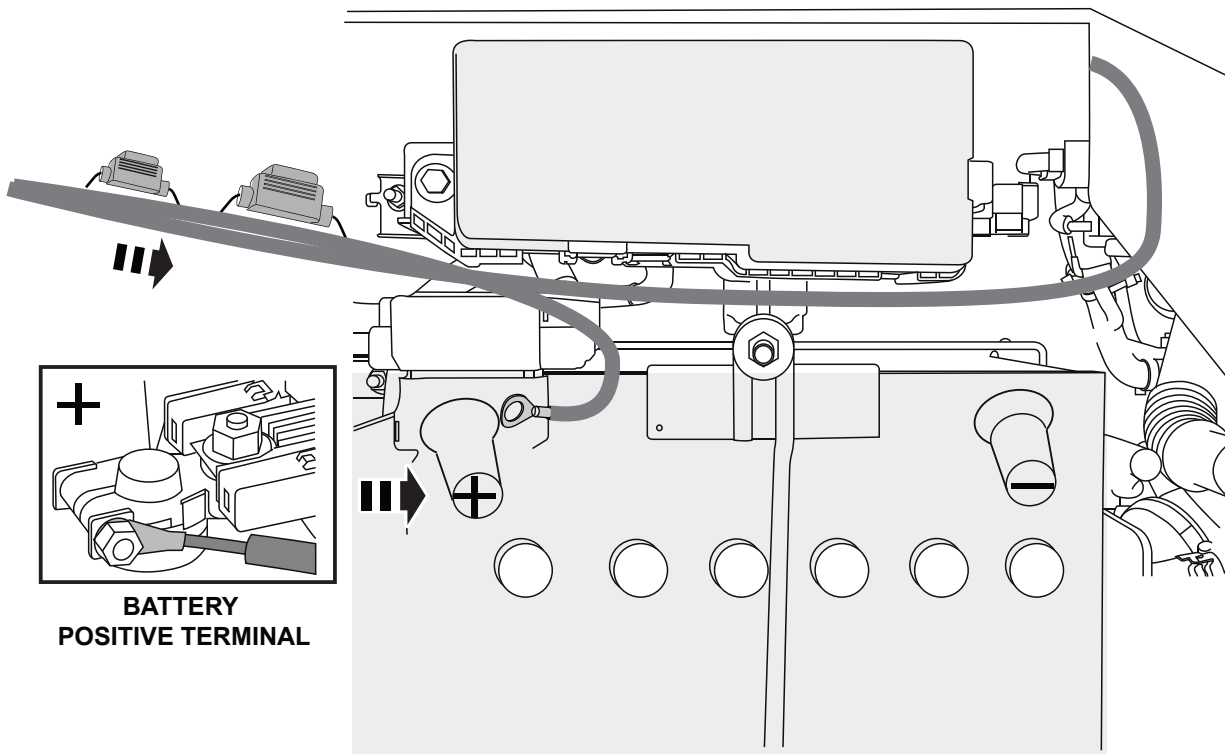
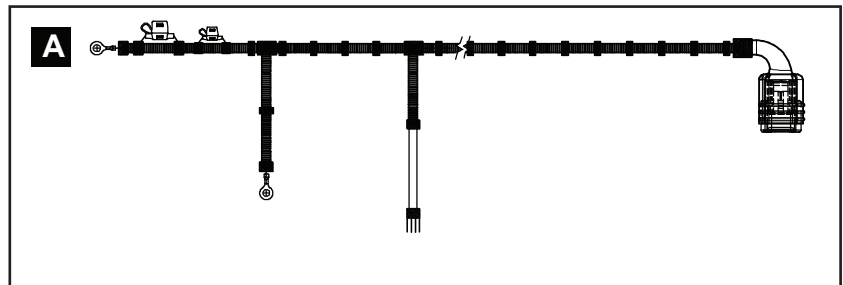
IMPORTANT: Do not damage vehicle wiring while piercing hole in the rubber grommet



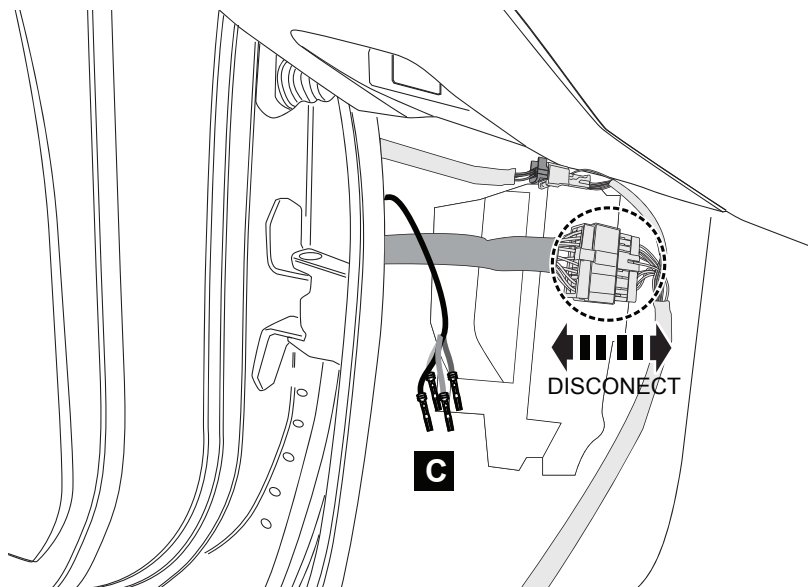
9 Feed the vehicle harness branch (C) into the passenger foot well through top of the rubber grommet in the fire wall. Use a hole piercing tool to create the hole. Use draw wire to feed the harness into the foot well if needed.



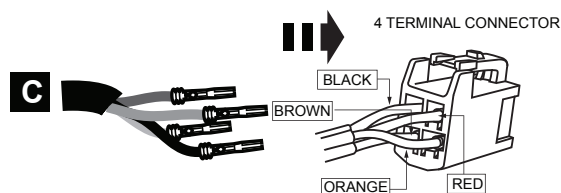
- 10** Connect the vehicle harness branch (B) to vehicle body negative ground, located in the engine bay as shown. Once it is positioned, secure in place using cable ties.



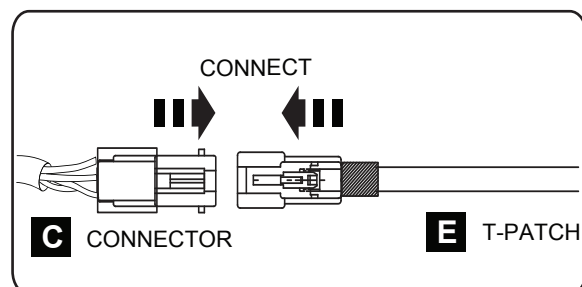
- 11** Connect the vehicle harness branch (A) to the positive terminal of the battery. Once it is positioned, secure in place using cable ties. Make sure fuses are not fitted before making connection.



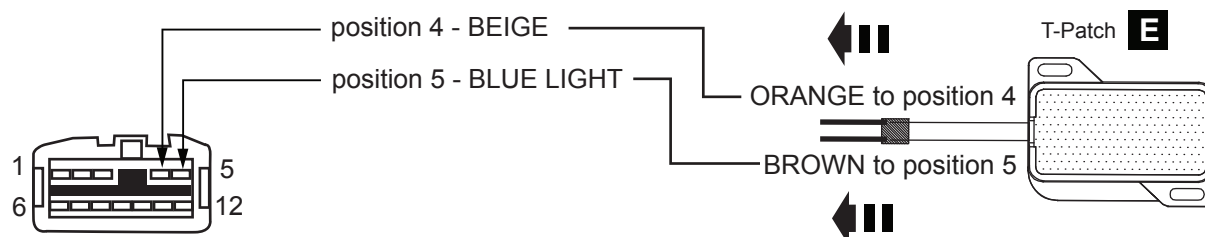
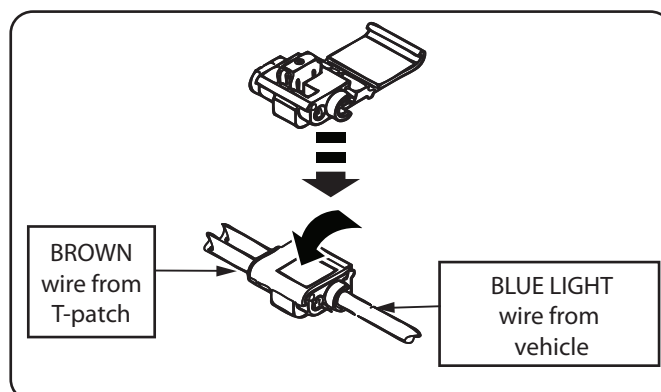
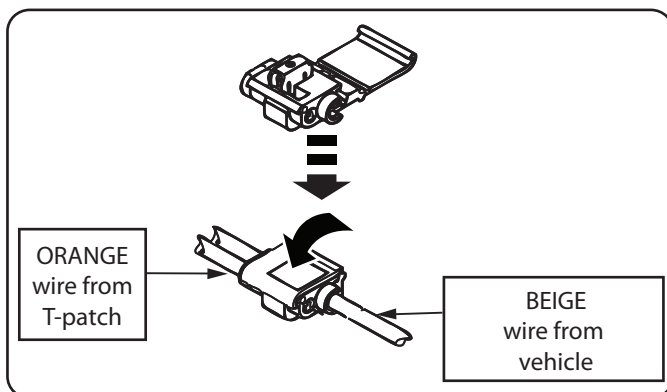
12 Locate the hybrid connector in the passenger side kick panel area. Disconnect the connectors.



**COLOUR MATCH THE WIRES
ACCORDINGLY TO T-PATCH**



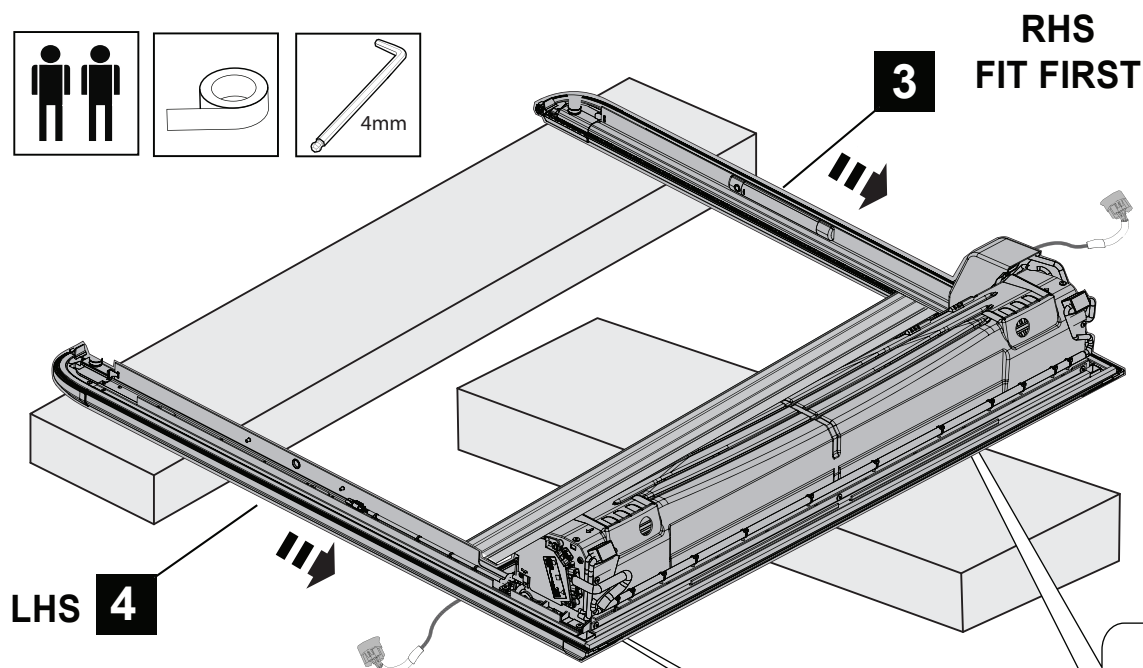
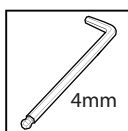
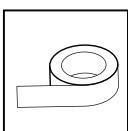
13 Connect the 4 wires to the connector (supplied) and plug into the T-patch.
Note: Make sure the wires are colour matched to the wires in the T-patch connector.



14 Connect the vehicle harness (C) to the T-patch (E). Splice the designated wire as shown from the vehicle harness with corresponding wire from RollTrac T-patch harness using the supplied wire tap.
Note: Clamp down firmly on metal component in the wire tap. Fit the 2 supplied fuses into the vehicle harness.



DURING ASSEMBLY PROCEDURE SUPPORT AT CENTRE OF CANISTER ONLY,
PLACE ON TOP AND BASE CARTON (OR SIMILAR), COVER WITH FOAM BLANKET.
TO AVOID SCRATCHING POWDER COATED SURFACES.
DO NOT LOAD ELECTRICAL CONNECTORS OR MOTOR COVER.

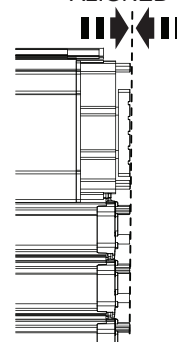


LHS **4**

3

**RHS
FIT FIRST**

ENSURE ENDS ARE
ALIGNED

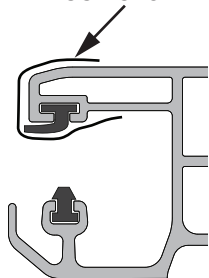


1

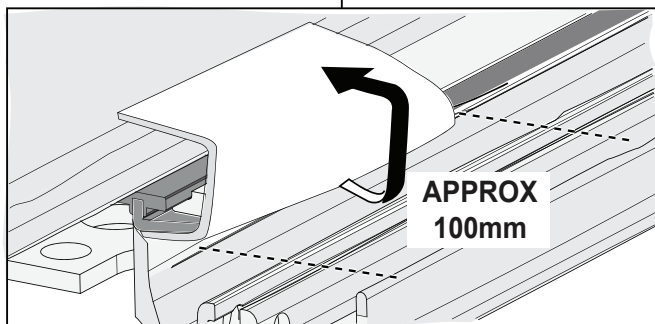
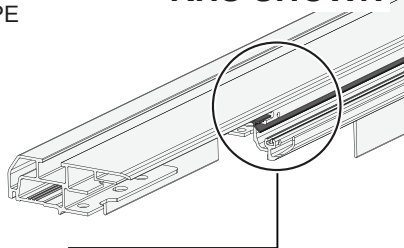


ATTENTION: SEAL MUST FACE IN THE
DIRECTION AS SHOWN. WARRANTY VOID IF
ASSEMBLED INCORRECTLY.

HOLD SEAL FLAT
USE CLOTH TAPE



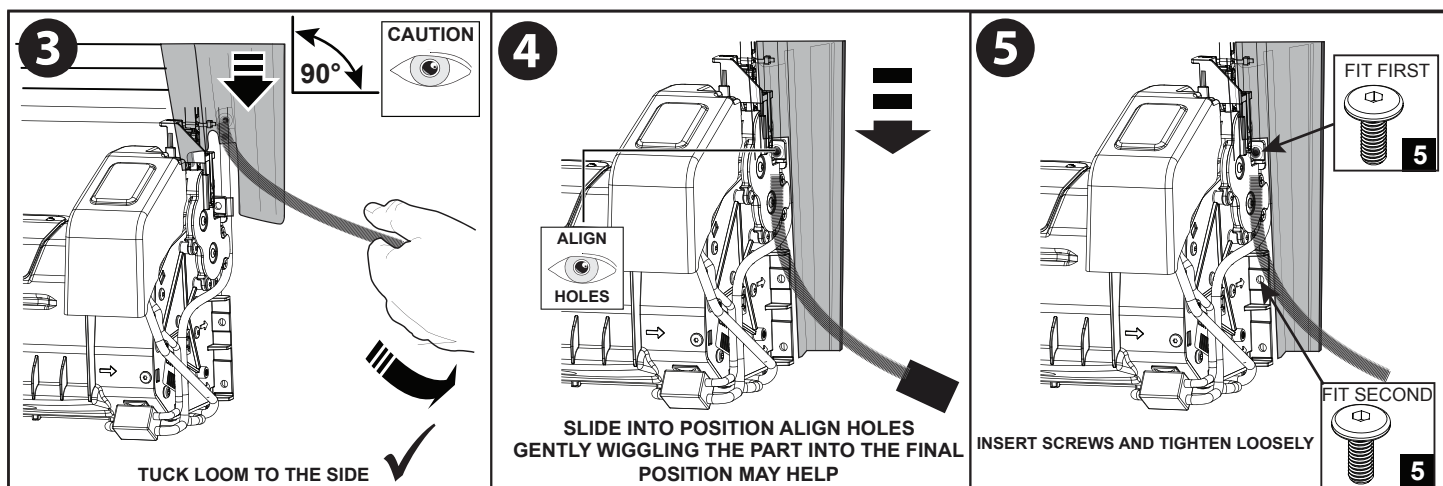
RHS SHOWN



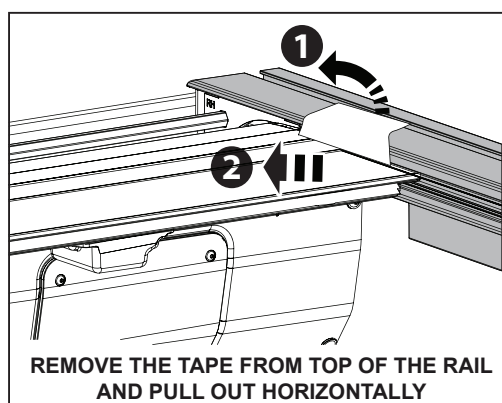
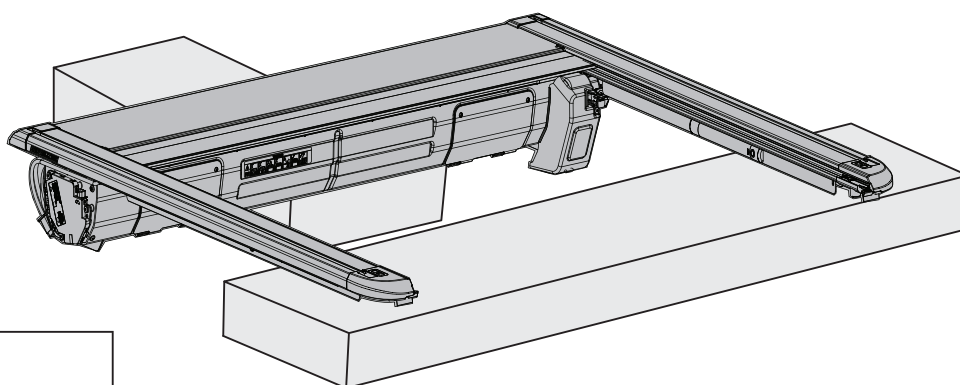
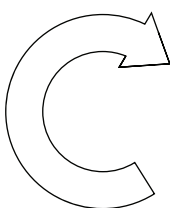
**APPROX
100mm**

1 Place the canister (1) on two protected boxes as shown, ensure hand rail and slat ends are aligned. Tape up the seal on the Side Rail (5) as shown.

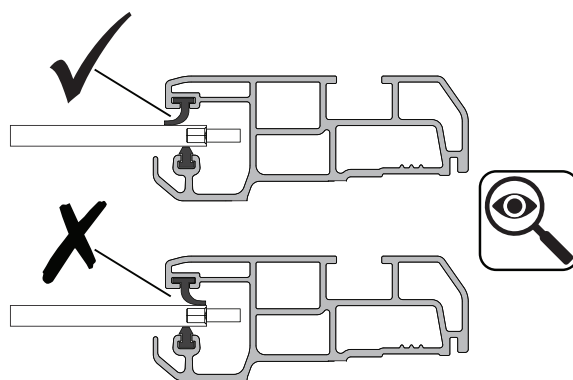
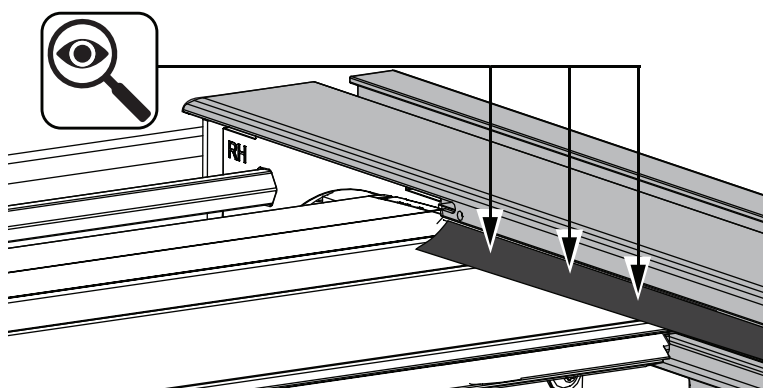
IMPORTANT: Carefully align and slide the rail over the handrail and canister endplate taking particular care to ensure that the siderails are slid straight and no undue force is applied to the rail. Details in following steps.



2 Pull hand rail to expose 3 slats. Slide the RHS Rail over slat ends and onto endcap location pins. Align the holes and secure loosely with two screws (5). Do not tighten. Repeat for LHS Rail (4)

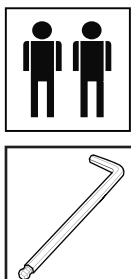


! ATTENTION: SEAL MUST FACE IN THE DIRECTION AS SHOWN. WARRANTY VOID IF ASSEMBLED INCORRECTLY.

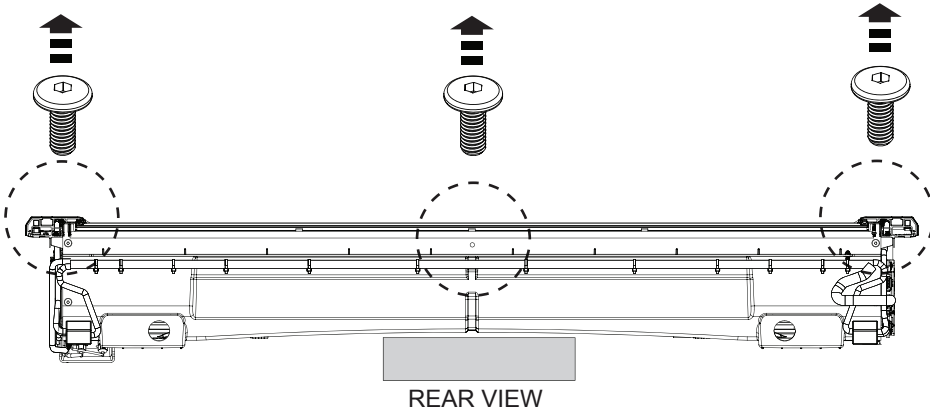
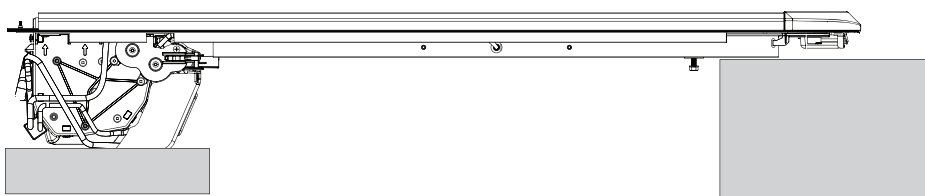


CHECK SEAL IS IN POSITION AND NOT DAMAGED

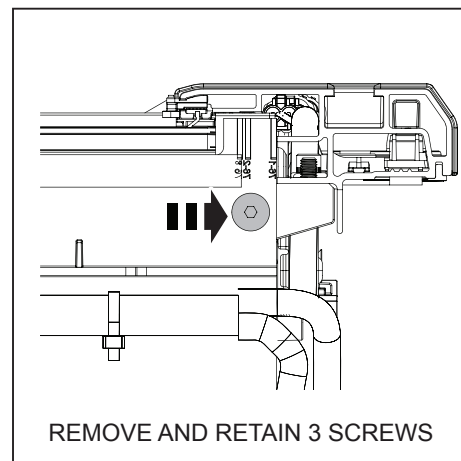
3 Carefully lay the assembly over onto a protected surface. Remove the tape holding the rubber seal and check the seal position as shown. Repeat for LHS Rail (4)



SIDE VIEW

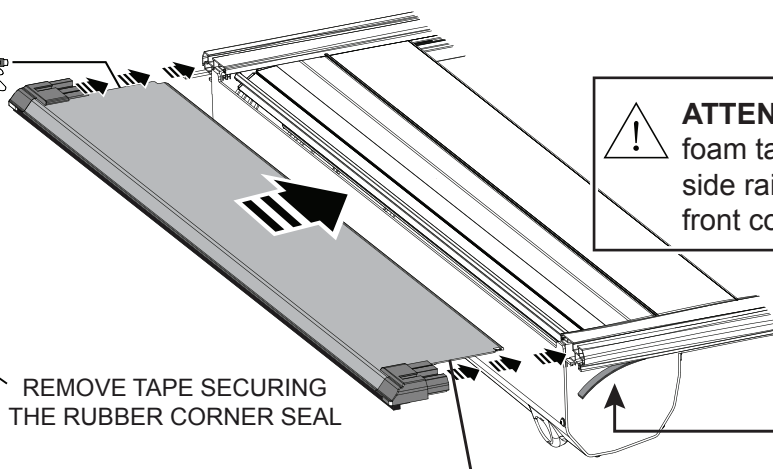


REAR VIEW



REMOVE AND RETAIN 3 SCREWS

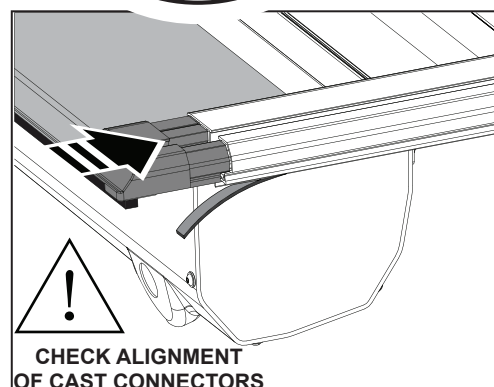
- 4** Remove the 3 pre-fitted screws from the rear of the cover which will be used to secure the Front Plate (1) to the assembly. Ensure the product is not scratched or damaged when laying flat.
IMPORTANT: Do not apply load to the electrical connectors and do not sit product on motor cover.



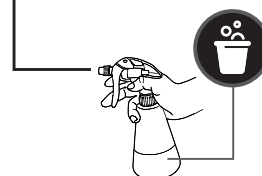
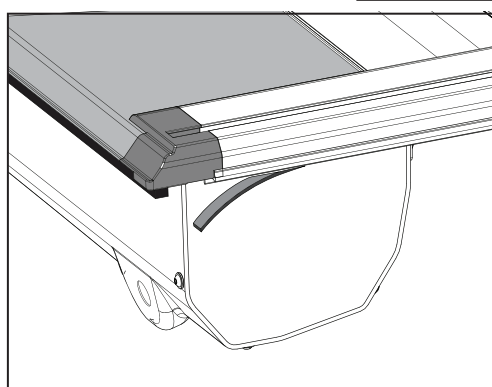
REMOVE TAPE SECURING THE RUBBER CORNER SEAL

LHS SHOWN

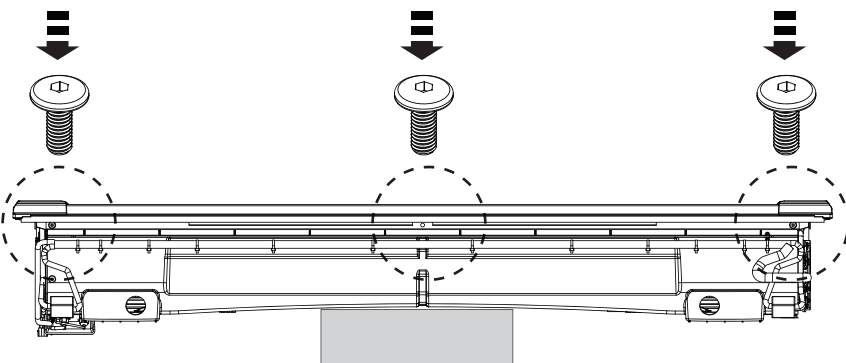
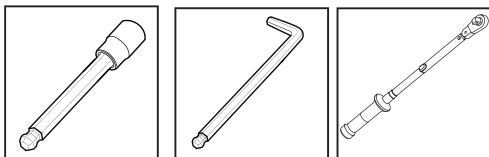
ATTENTION: Remove foam tape end from the side rail before fitting into front cover



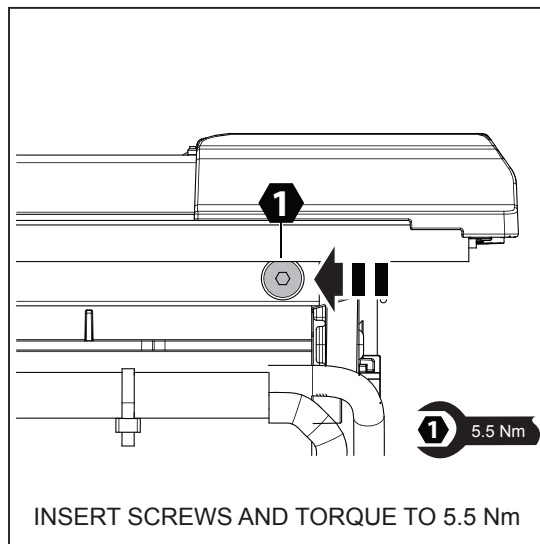
CHECK ALIGNMENT OF CAST CONNECTORS



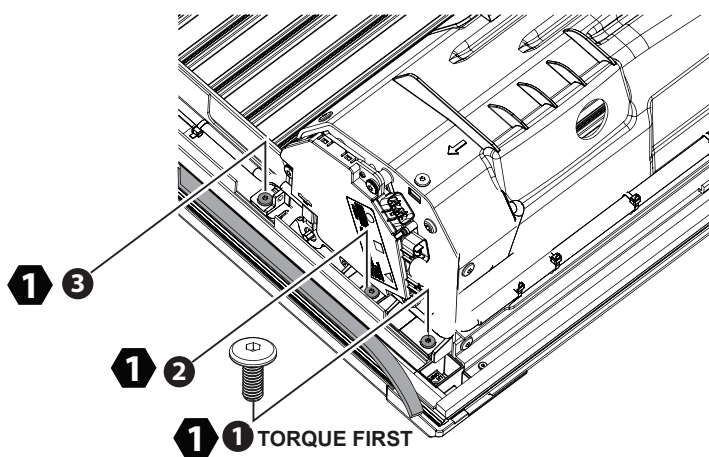
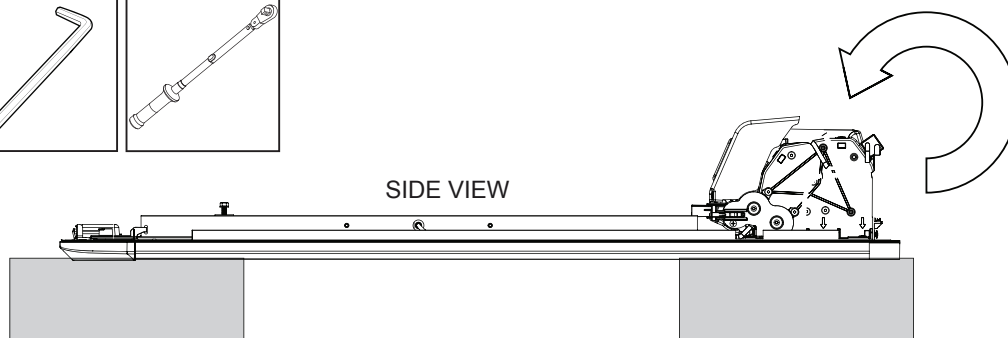
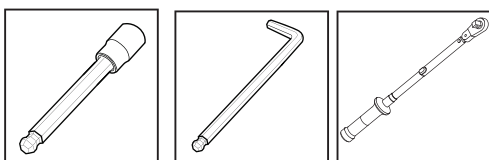
- 5** Slide the Front Plate (2) over the canister and into the side rail channels ensuring that the foam side rail tape is pulled out of side rail and the small rubber corner seal on the RHS and LHS of the front plate are not damaged.
IMPORTANT: Spray the front cover edge with soapy water to allow it to slide easily into the sides, twisting side rails outwards will also help.



REAR VIEW



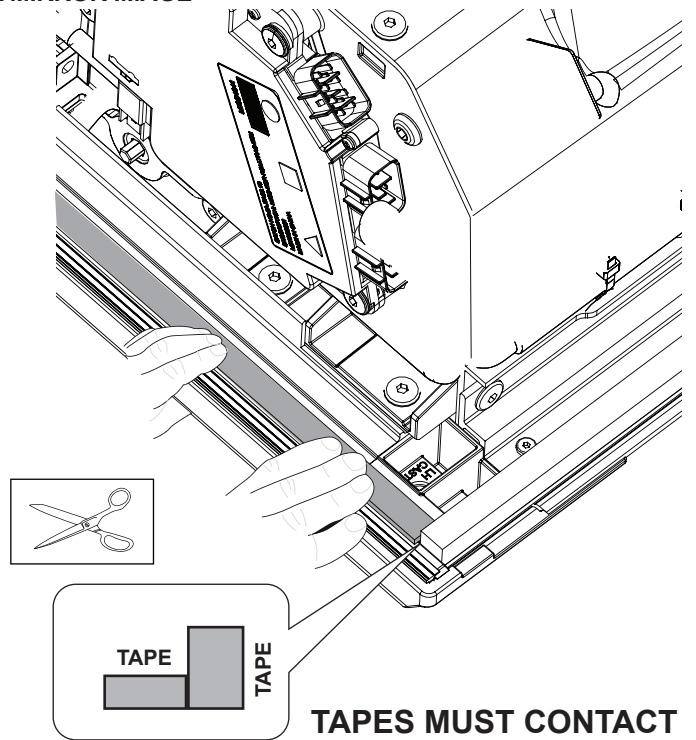
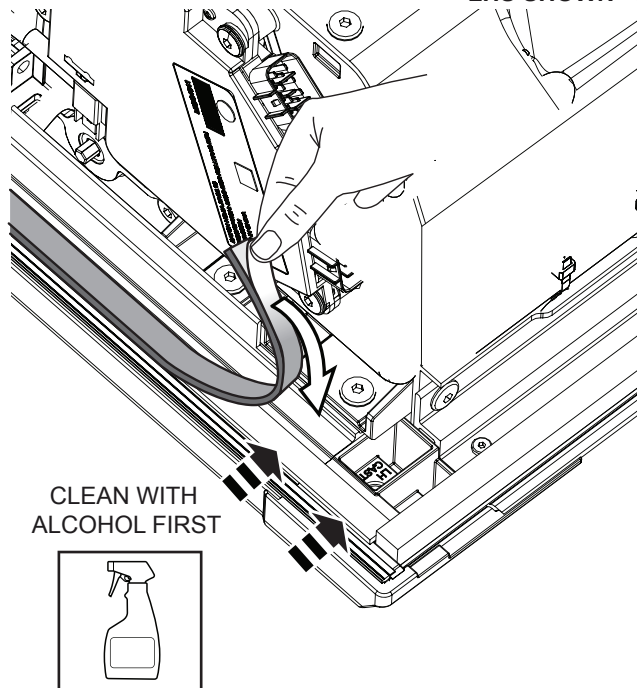
- 6** Using the 3 screws removed from Step 4, screw the Front Plate (2) to the Canister Assembly (1) and torque to 5.5 Nm.



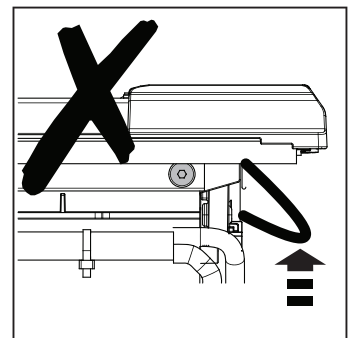
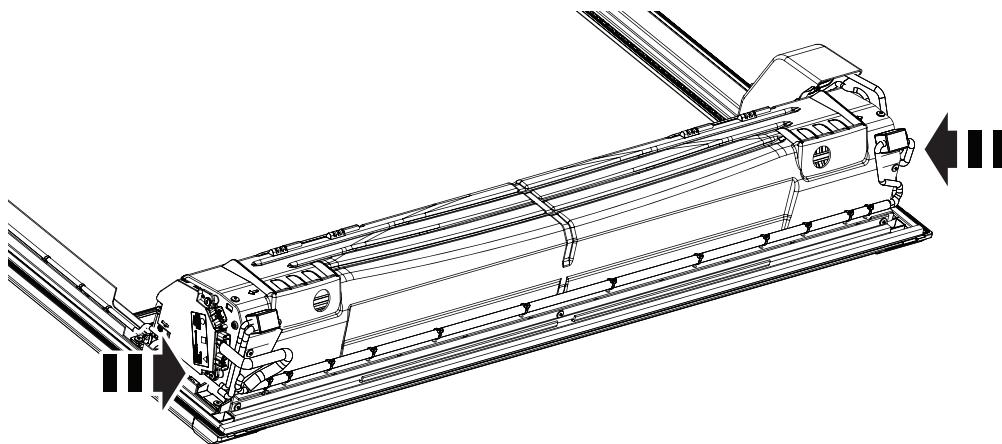
LHS SHOWN - RHS IS A MIRROR IMAGE

- 7** Carefully flip the assembly over onto a flat protected surface which will not damage the cover or scratch the paint work. Install the 2 screws (5) at the most rearward position first through the front cover to the side rails and torque to 5.5Nm followed by the remaining 4 screws (5) and torque to 5.5Nm.

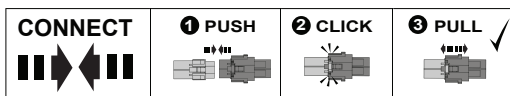
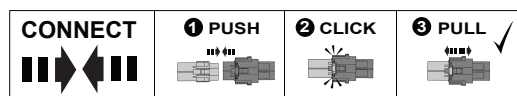
LHS SHOWN - RHS IS A MIRROR IMAGE



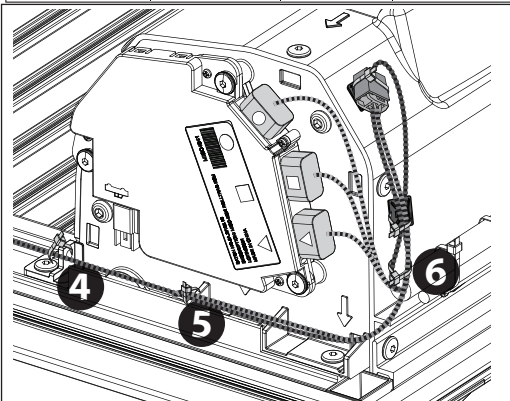
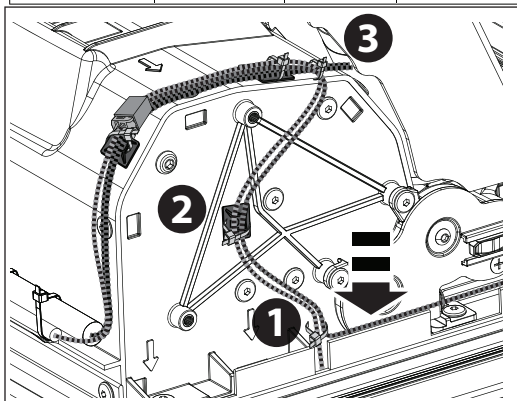
- 8** Clean powder coated surface first with alcohol spray. Trim foam tape length to ensure the end will butt against front cover seal - avoiding any gap. Peel the protective liner from the foam tape, adhere to the channel in the side rail, Press down firmly to secure. Repeat on RH side rail.



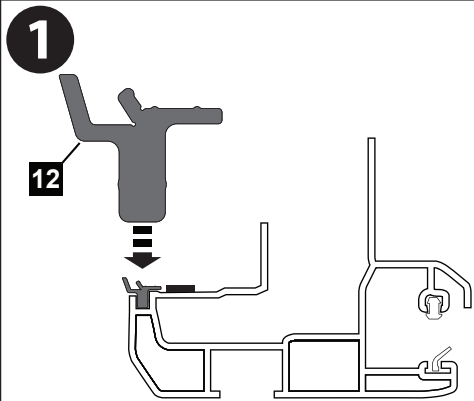
SECURE ALL CABLES TO PREVENT PINCHING



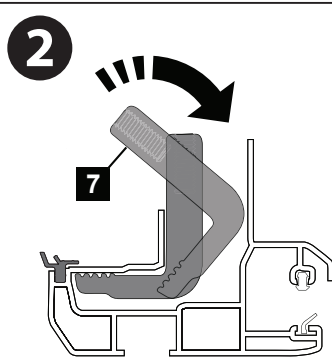
PULL THE CONNECTOR NOT THE CABLE



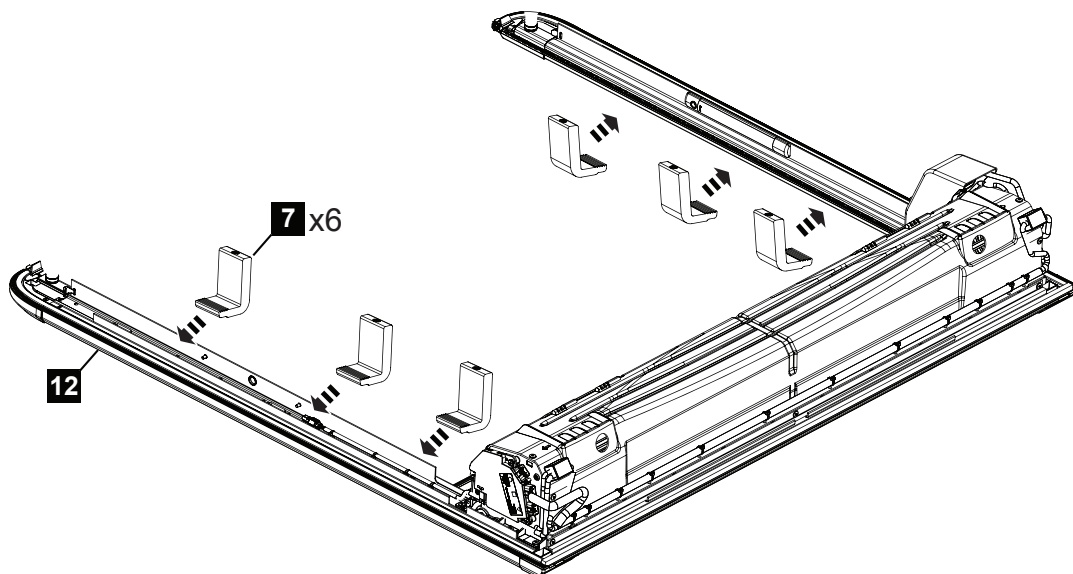
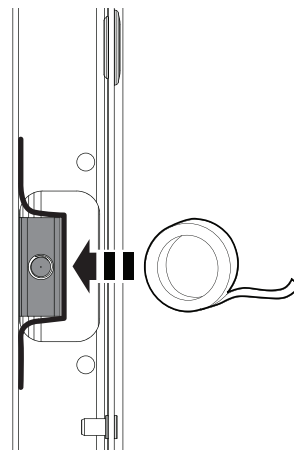
- 9** Connect side rail harness connectors to the connectors on the canister on the LHS and RHS. Secure the harness to the canister using cable ties at the six locations shown. Secure with zip ties and pads. Ensure all cables are retained to prevent pinching during installation.



INSTALL RUBBER SEAL
IN SIDE RAILS

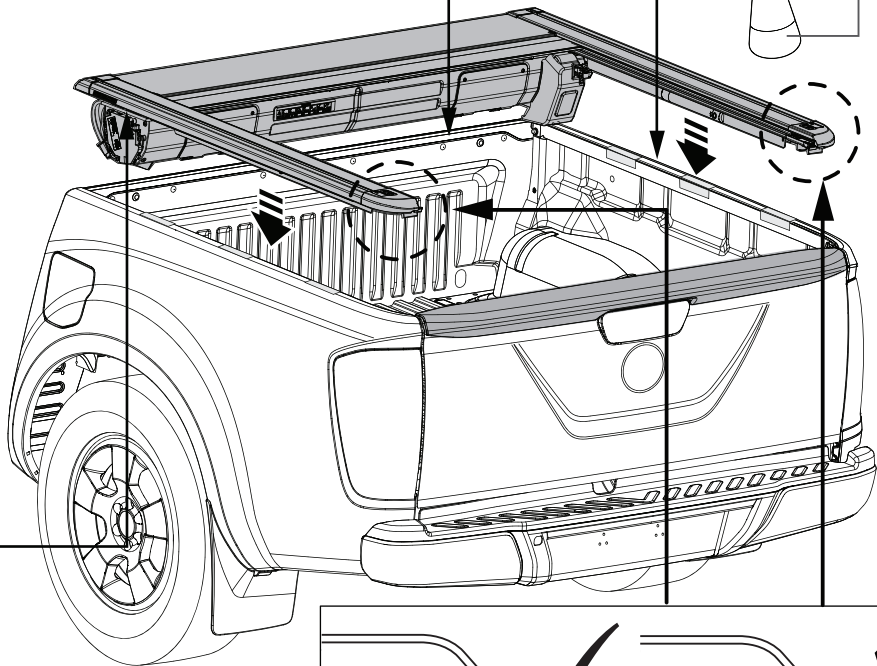
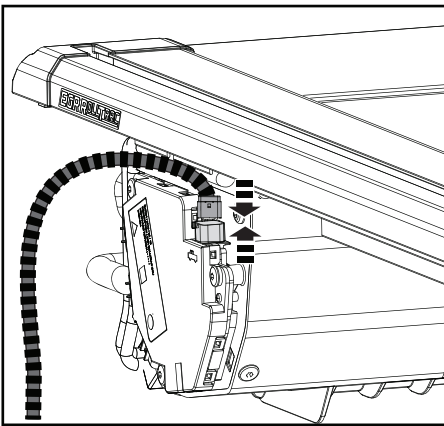


INSTALL 6 CLAMP
TOPS INTO RAILS & SECURE
WITH CLOTH TAPE



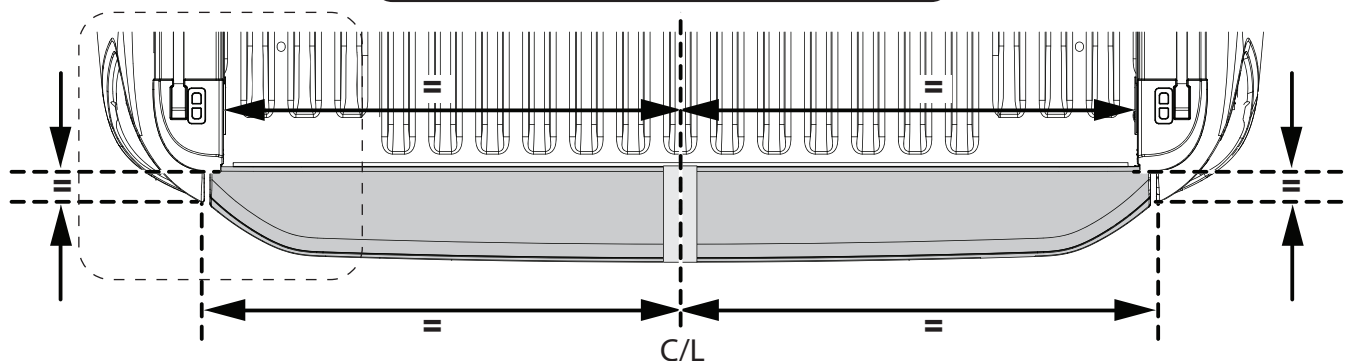
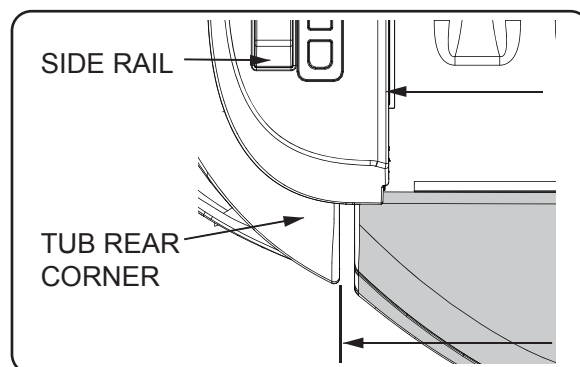
- 10**
1. Install the Rubber Perimeter Seal (12) into each side rail and ensure seal is firmly seated (note the seal orientation).
 2. Install the six Clamp Tops (7) into the LHS and RHS side rails and secure with cloth tape to temporarily hold in position.

CONTINUE ON THE NEXT PAGE

**HEAVY****CONNECT****1 PUSH****2 CLICK****3 PULL**PULL THE CONNECTORS
NOT THE CABLE

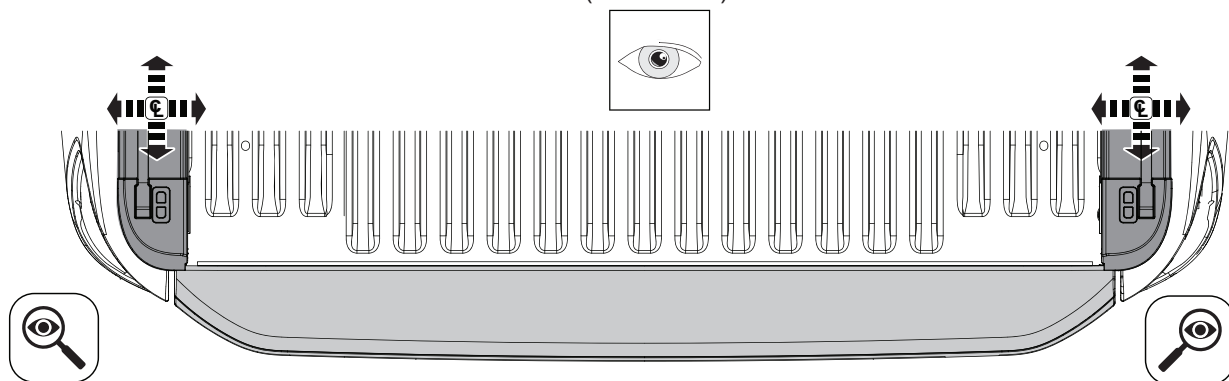
REAR SEAL

- 1** Spray the top surface of the tub liberally with a soapy water solution to enable the Cover to slide easily. Using two people to lift the cover from both sides and carefully lower it onto the tub. Connect the vehicle harness to the ECU as shown. **NOTE:** You may have to lift the LHS of the cover and use packer to aid connection. Ensure rear seals are sitting vertically as illustrated.

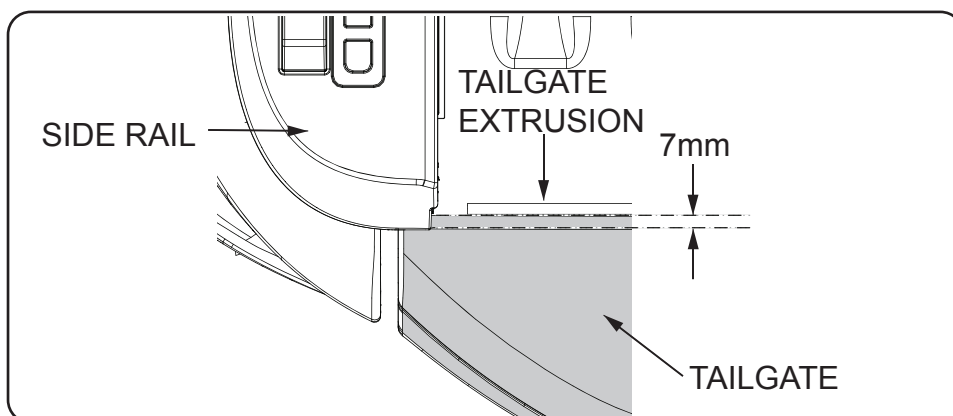


- 2** Apply masking tape at the centre of the tailgate. Measure the distance between the rear corners of the tub and draw a centre line on the masking tape. Measure the distance from the marked centre line to both rear corners of the RollTrac and ensure it is equally distanced.

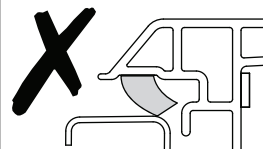
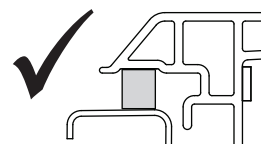
(TOP VIEW)



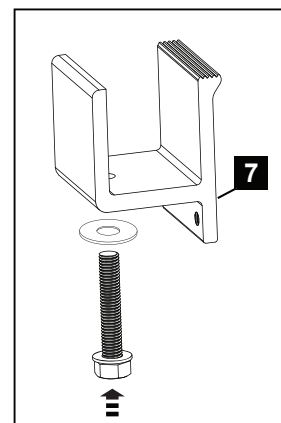
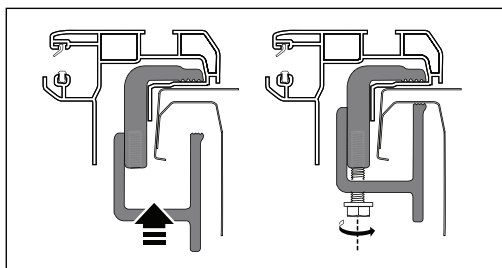
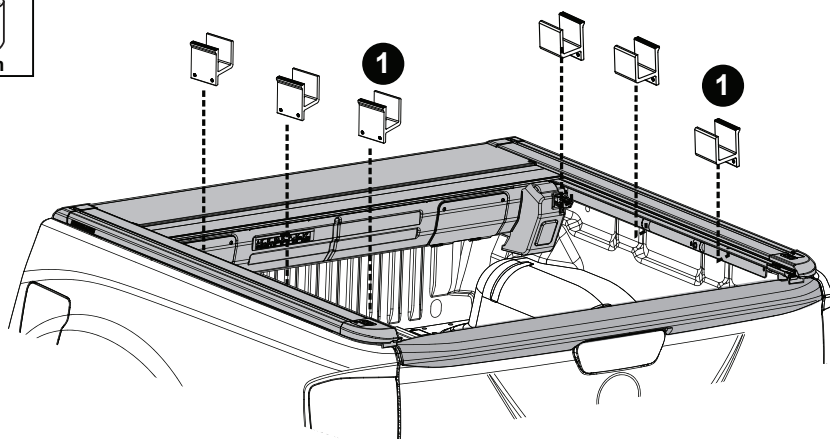
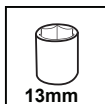
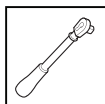
CENTRALISE AND ALIGN THE COVER TO THE MARKINGS



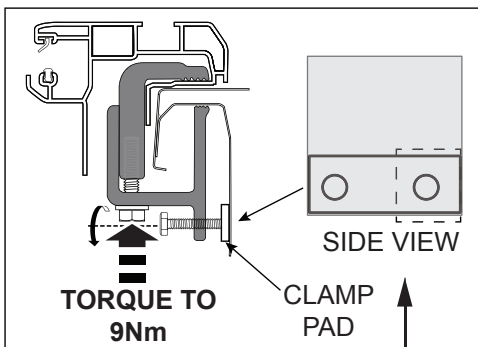
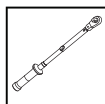
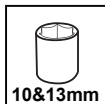
FRONT SEAL



- 2** Adjust the cover so that it is aligned with the markings as shown. Ensure seals are not deformed by lifting cover and dropping vertically on tub.



- 3** Loosely install the LHS and RHS clamp bases (7). DO NOT TIGHTEN. IMPORTANT: Ensure to install washers as supplied in the kit.

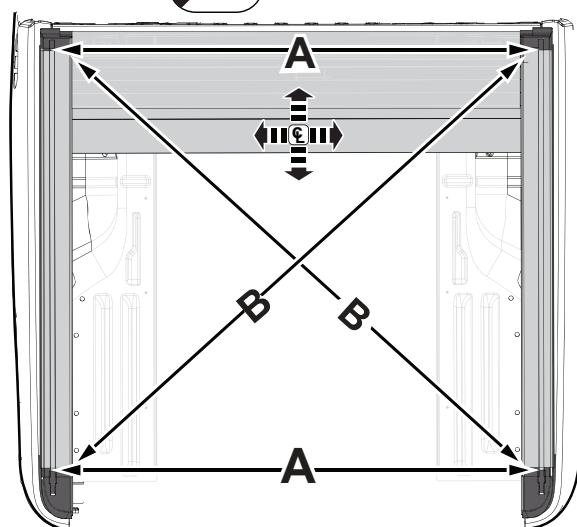


ATTENTION: The side M6 bolts should be tightened until it contacts with the rectangular clamp pad. The bolts should not be tightened any further.

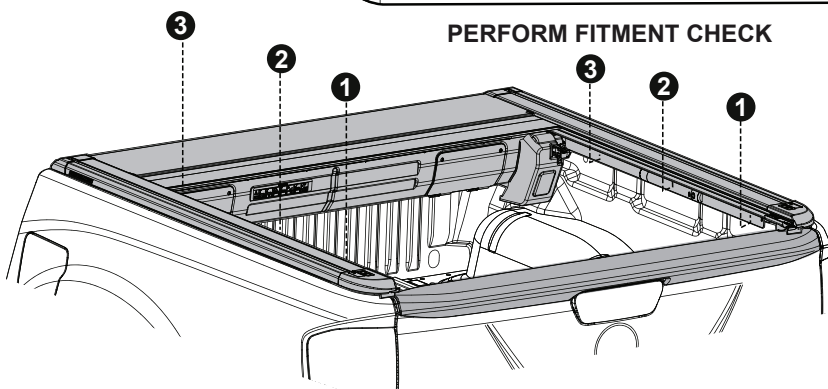


A = A

B = B

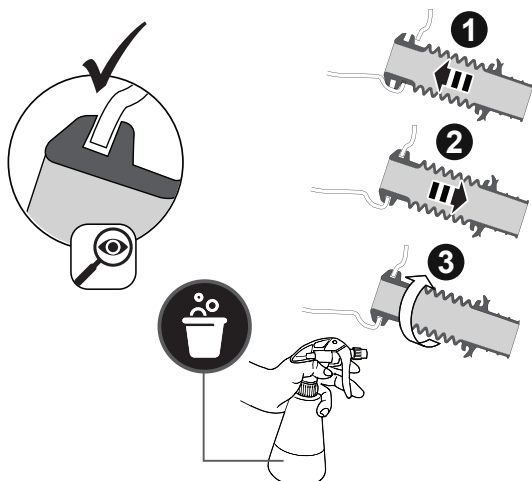


PERFORM FITMENT CHECK

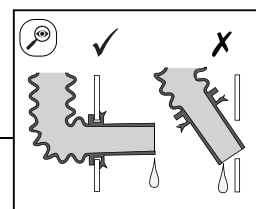
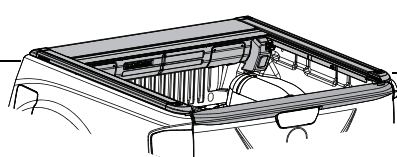
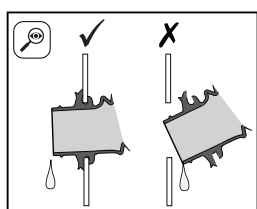
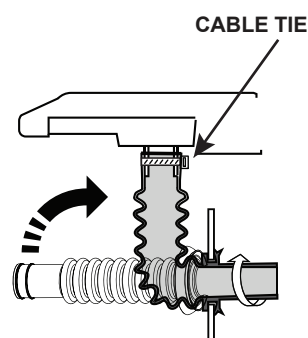


- 4** Torque (9Nm) the rear set of cover clamp bolts, ensuring cover does not move after tightening. Perform diagonal fitment check (bolts may need loosening for adjustment). At this stage the clamp bolts should be tightened from tailgate to the cab to 9Nm.

FIT FRONT DRAIN TUBES TO THE CANISTER



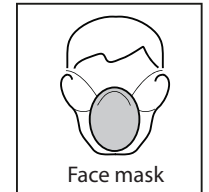
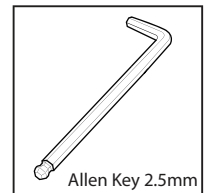
FIT REAR DRAIN TUBES TO SIDE RAILS



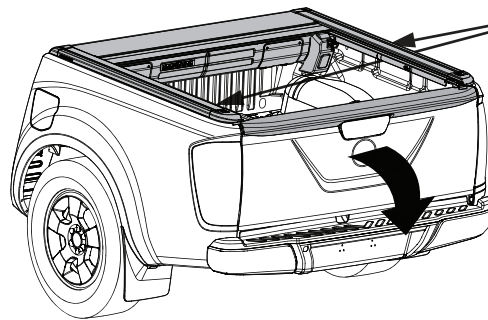
- 5** Connect the front drain tubes (8) to the canister cover. Connect rear (9) drain tubes to the vehicle tub, making sure that both tubes engage over the wall of the tub. Leakage will occur if they are not properly installed.

RECOMMENDATION: SILICONE LUBRICATION TO THE SPIRALS & SIDE RAILS

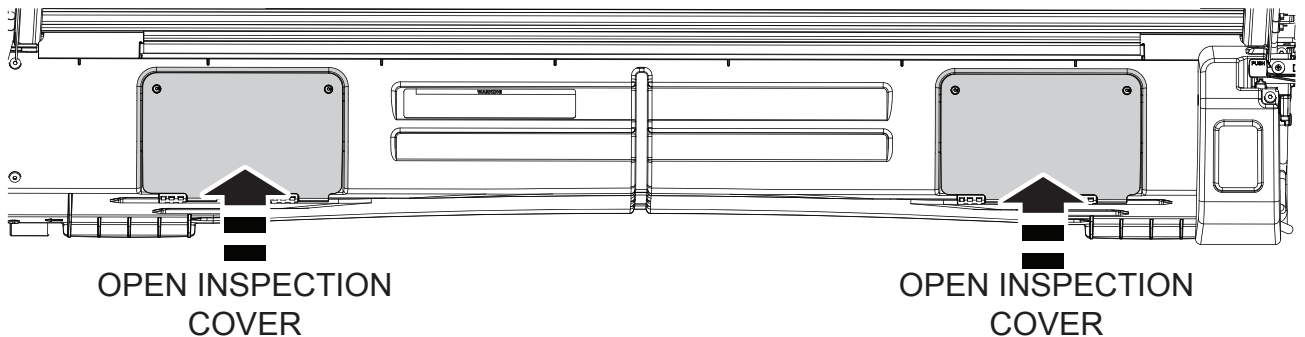
1. Open the tailgate (EGR RollTrac is in open position).
Using Silicone Spray (ONLY) spray onto both side rails.
2. Open both inspection covers.
3. Close the EGR RollTrac manually. NOTE: The motor clutch must be disengaged.
4. Using Silicone Spray (ONLY) spray onto the spirals on both sides of the canister.
5. Open EGR RollTrac manually.
6. Close and secure the inspection covers.



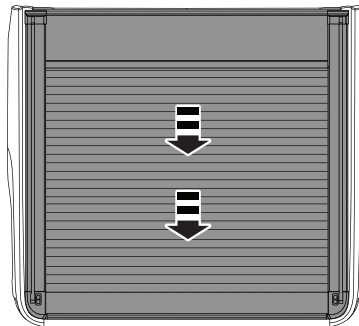
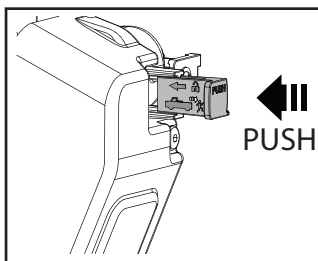
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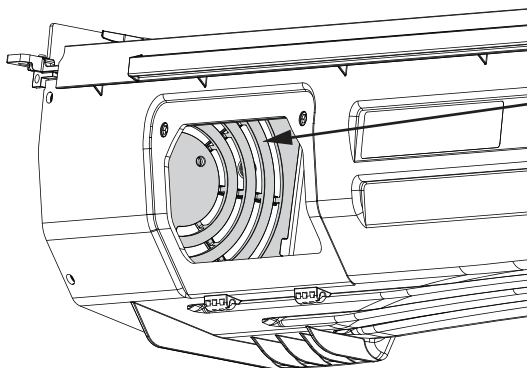
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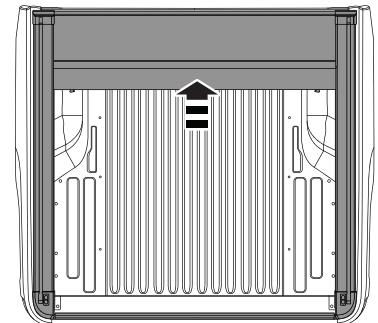
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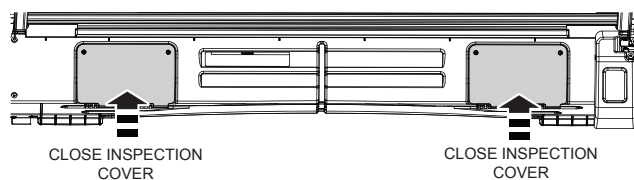
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5



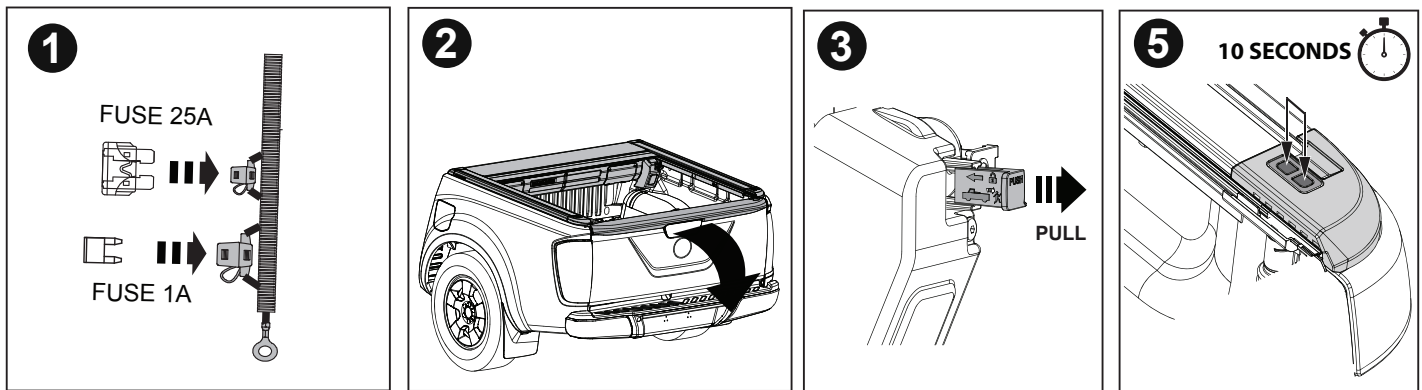
6



1. Insert fuse to EGR RollTrac harness.
2. Make sure the tailgate is open.
3. Engage motor, pull out lever (clutch).
4. Make sure the vehicle is unlocked and driver door open.
5. Press both buttons and hold for 10 sec. until light illuminates.

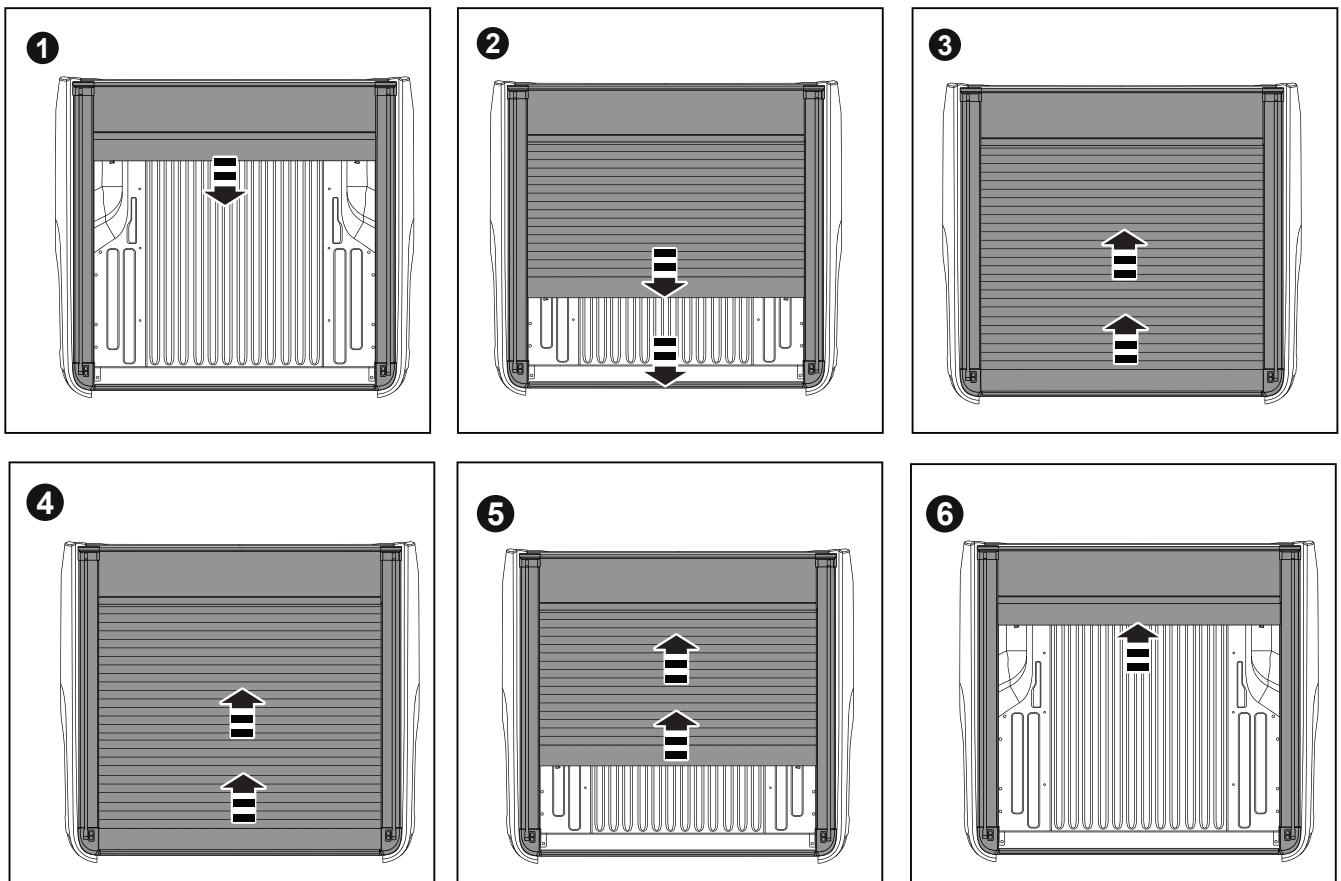


WARNING: Keep obstructions clear of cover during calibration mode.



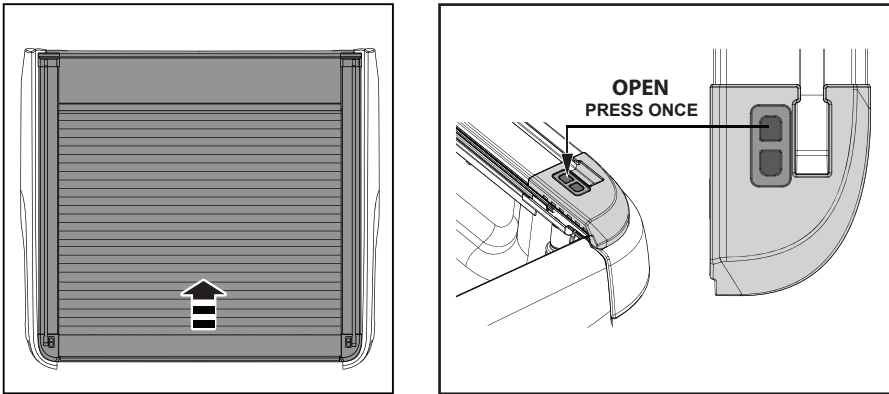
- Cover will open and close twice automatically.
- The EGR RollTrac internal LED light will pulse slowly during calibration and stop pulsing when calibration is complete.

START OF CALIBRATION 2 SECOND PULSE DURING CALIBRATION



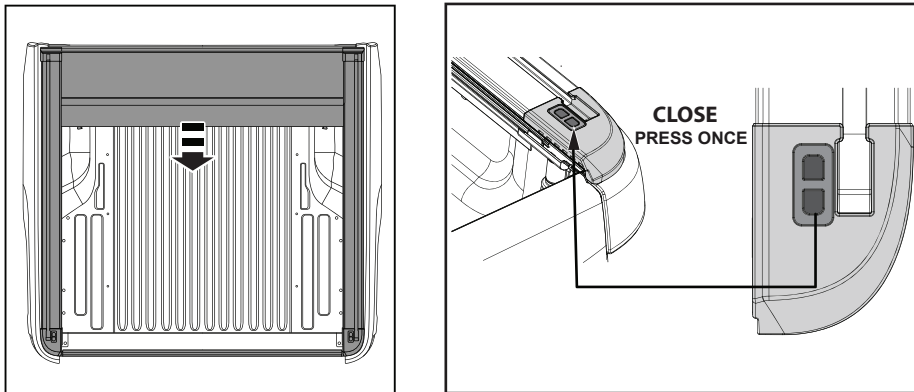
END OF CALIBRATION 2 SECOND PULSE DURING CALIBRATION

Electric Opening Procedure:



1. Press the front button on the EGR RollTrac side rail as shown.

Electric Closing Procedure:



1. Press the rear button on the EGR RollTrac side rail as shown.

NOTE: EGR RollTrac should open and close smoothly. If cover does not lock or open correctly, please refer to the trouble shooting section in the Owners Manual. If the EGR RollTrac closing is slow, clean the siderails and ensure that no dirt or debris is inside the drive rail.

Manual Opening and Closing Procedure:

Locate the Clutch Disengagement Lever on the RH side of the cover and push the Clutch inward to disengage the motor. Pull the cover rearward or forward as required. Before driving vehicle ensure you re-engage the clutch.

IMPORTANT: If clutch was disengaged, calibration procedure needs to be re-run prior to electric operation.

