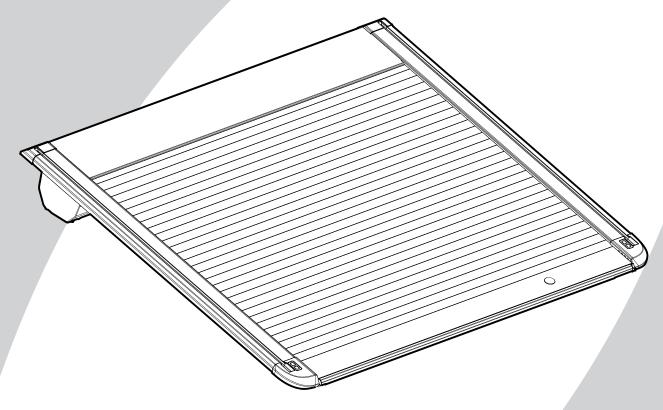
INSTALLATION INSTRUCTIONS



ELECTRIC

Vehicle Model: ISUZU D-MAX MY17

Year of manufacture: June 2016 onwards



Installation time: 115 minutes (without tubliner)

Caution

- Do not attach EGR RollTrac in a location or by a method not speciffied.
- 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

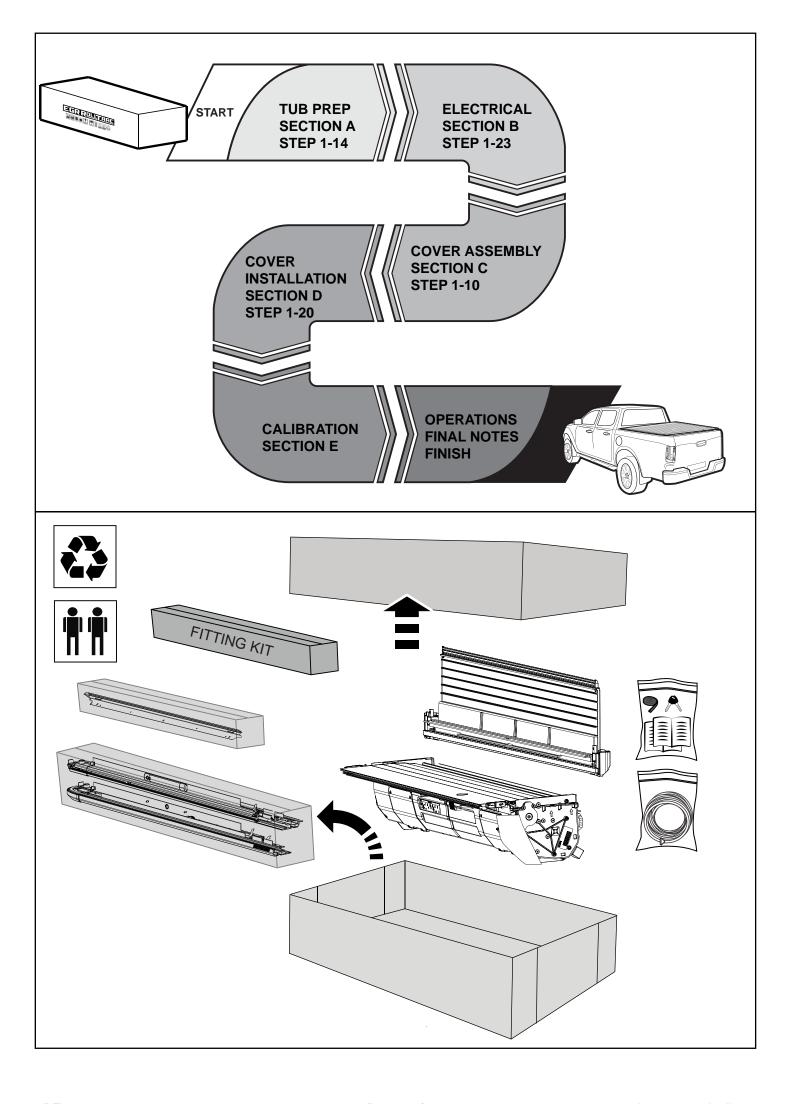
- Check that all work practices comply with safety standards.
- Please wear appropriate clothing and use safety equipment.

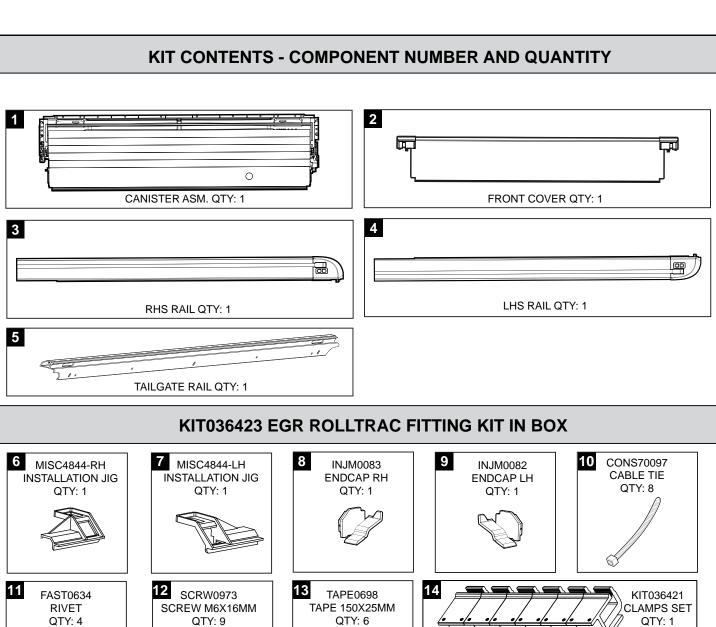










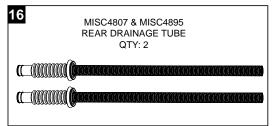


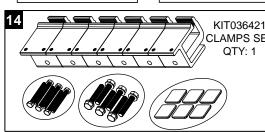








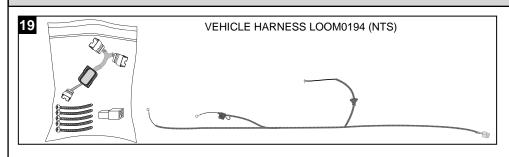








EGR ROLLTRAC FITTING KIT COMPONENTS IN BAGS

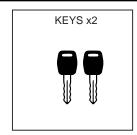


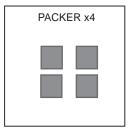


EGR ROLLTRAC FITTING KIT ADDITIONAL ITEMS







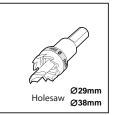




TOOLS REQUIRED - NOT SUPPLIED IN KIT



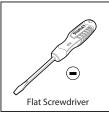
































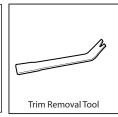








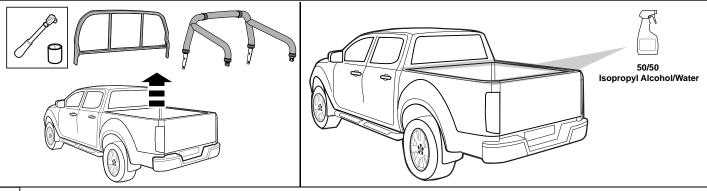






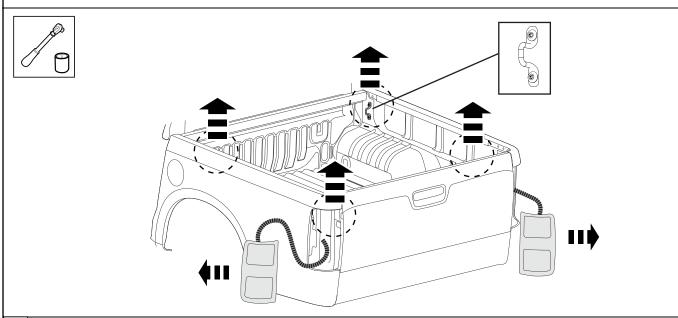


SECTION A TUB PREPARATION

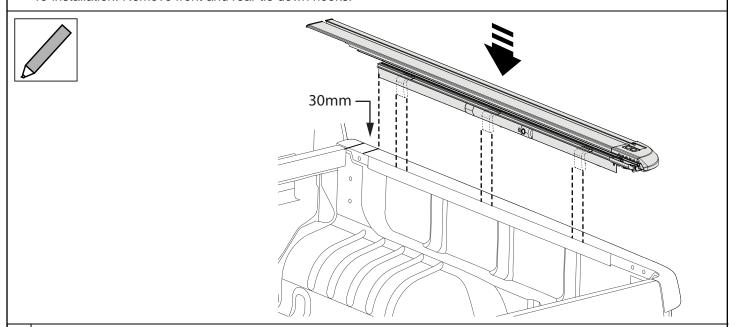


Carefully remove any accessories (Sports Bars, Cabin Guards, etc.) attached to the tub of the vehicle.

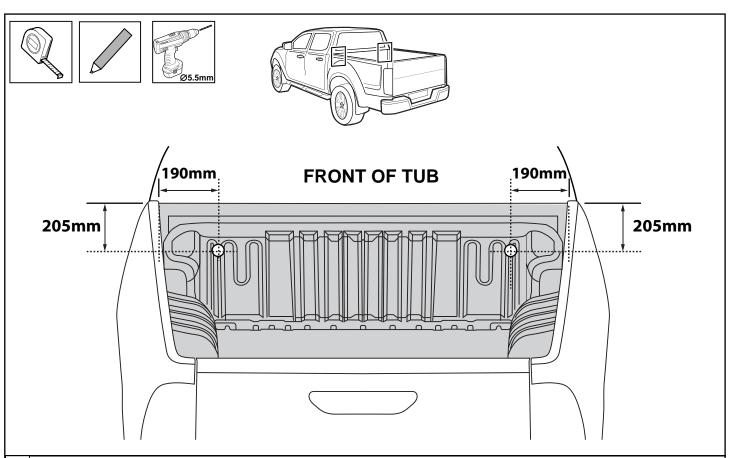
Thoroughly wash the vehicle and tub and ensure that all dirt and grease is removed. Allow to dry. Clean the top surfaces of the tub and tailgate with a mixture of Isopropyl Alcohol and Water (50/50) and allow to dry.



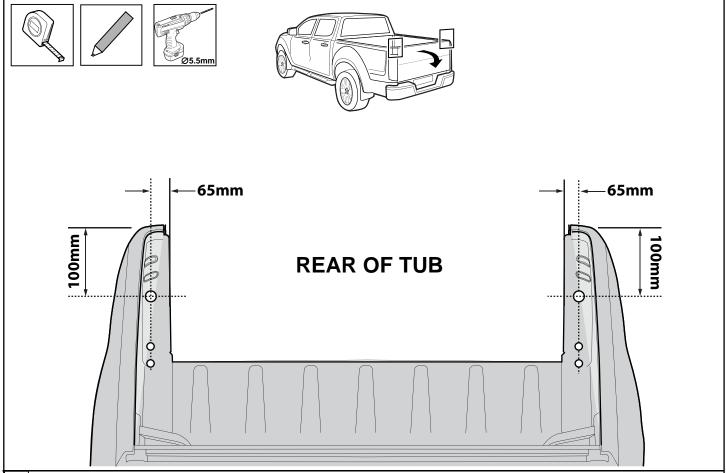
Carefully remove both Rear Tail Lamps with the appropriate tools and store in safe place. Retain all hardware for re-installation. Remove front and rear tie down hooks.



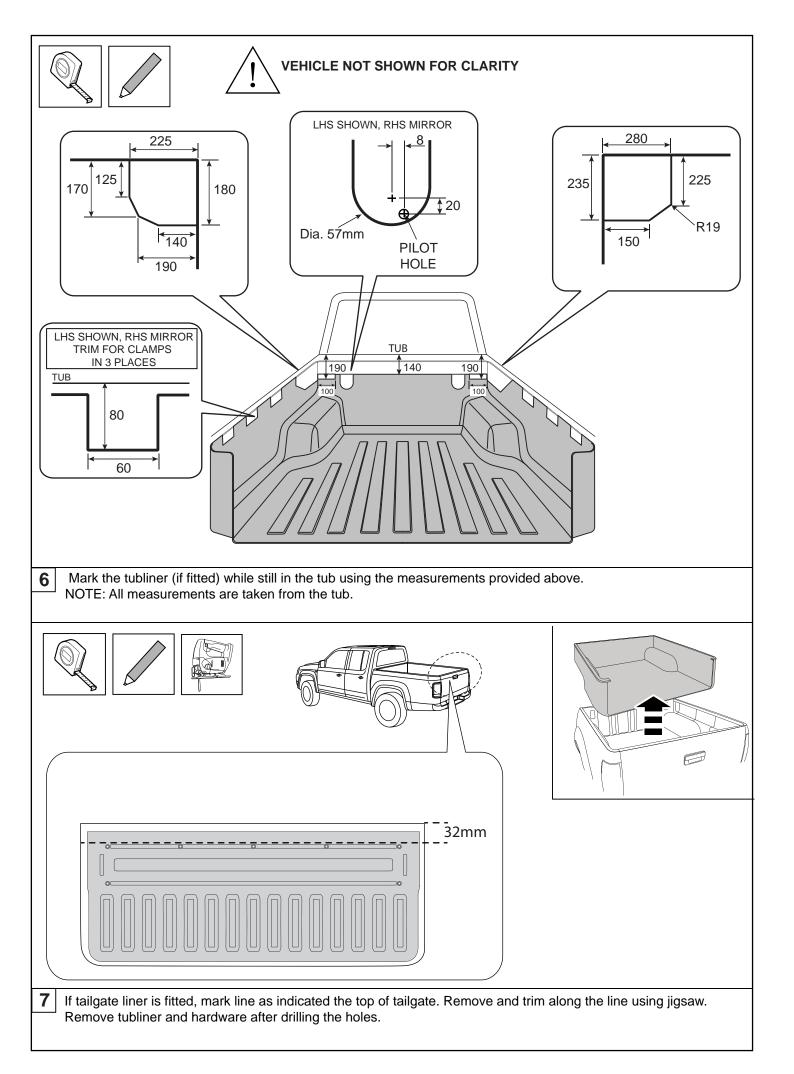
Place side rail on the tub 30mm rearwards from the front face of the inside of the tub and locate the clamp cut outs in the side rails for markup. Mark using non-permanent marker in the inside edge of the tub as well as on the tubliner. Mark two lines per clamp to show the width of cutout.

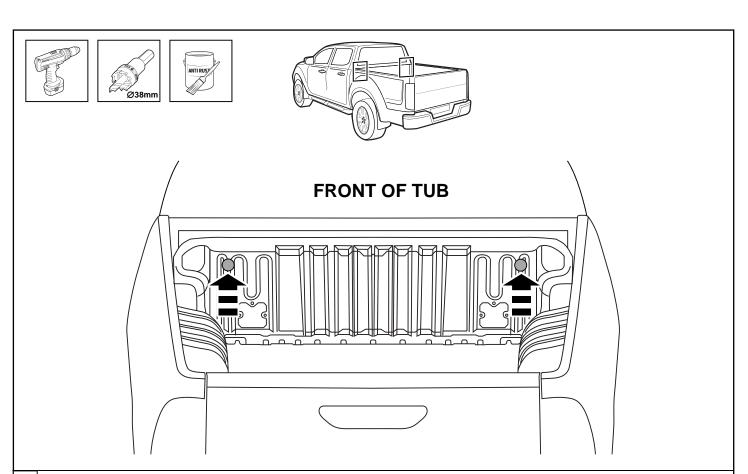


Measure and markup the positions for the front Drain Tubes on both sides. Centre punch the locations and drill through the tub and tubliner (if fitted) with 5.5mm drill.

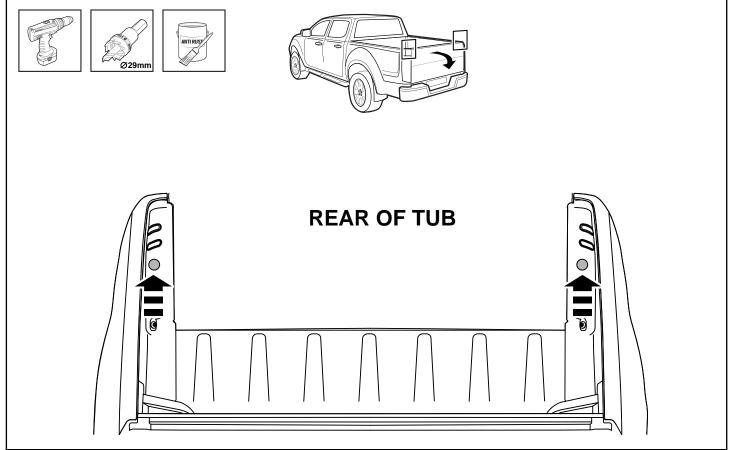


Fully open the tailgate and at the rear of the tub on both sides measure and markup the positions for the Rear Drain Tubes. Centre punch the locations and drill through the tub and tubliner (if fitted) with 5.5mm drill.

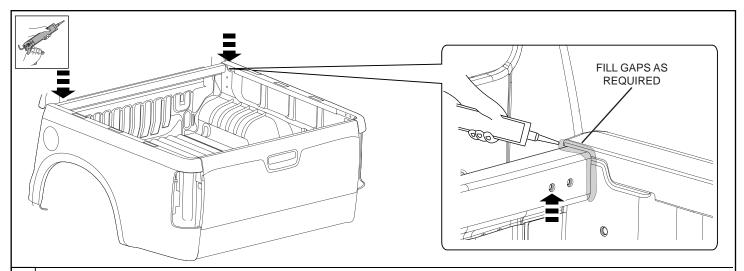




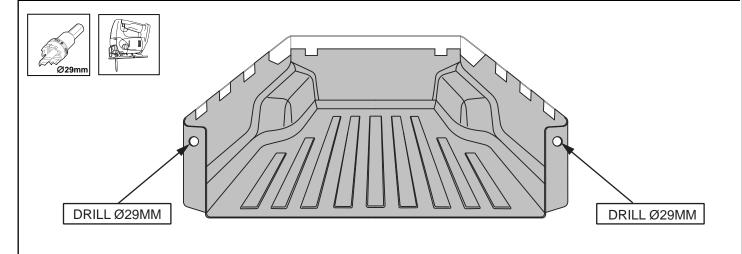
Drill out the pilot holes with 38mm hole saw. Clean all burrs and coat the exposed metal with a suitable rust preventative (not supplied).

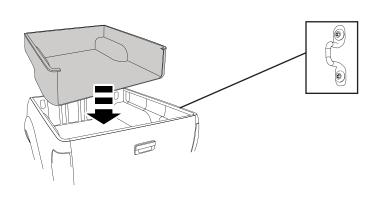


Fully open the tailgate and drill out the pilot holes with 29mm hole saw. Clean all burrs and coat the exposed metal with a suitable rust preventative (not supplied).

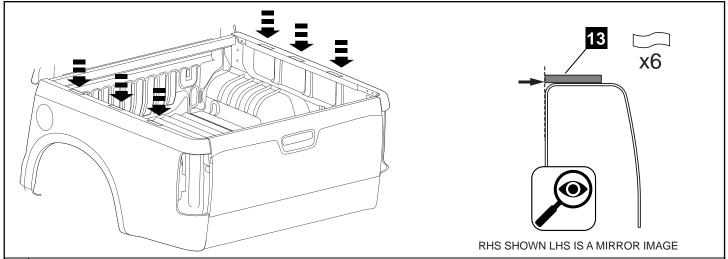


10 To prevent water ingress, apply a bead of silicon (non-acetic) to gaps such as between the front rail and the side rail as shown. Holes in the tub from any removed accessories should be covered using tape or silicone. NOTE: Ensure the Silicone bead transitions smoothly between front and side rail.

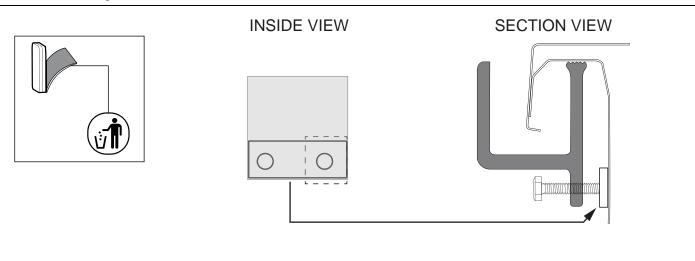




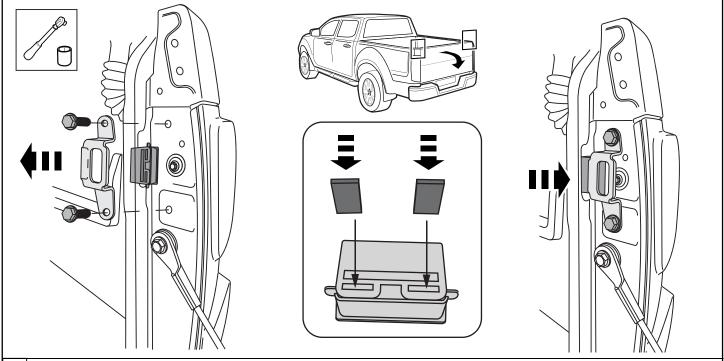
Trim the Tubliner using jigsaw following the markup. Fit tubliner after trimming reusing previously removed hardware. Refit only the rear tie down hooks.



Adhere 6 Abrasive Protection Strips (13) to the top of the tub at clamp locations marked previously. Position the tape so that it is aligned with the inside wall of the tub as shown.

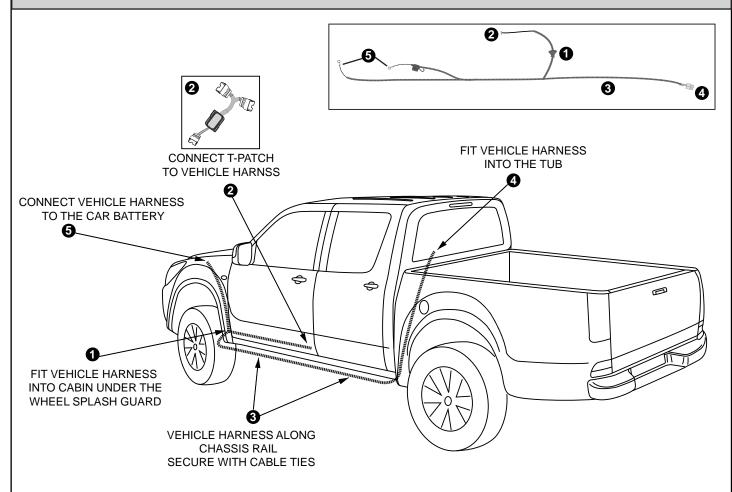


13 Adhesive reinforcing pads must be fitted to tub prior to fitment of cover & clamp Assys. Pads should align centrally with either of the two screw holes on the base clamp. This best location can be identified by placing the clamp base at the location as marked in previous step.

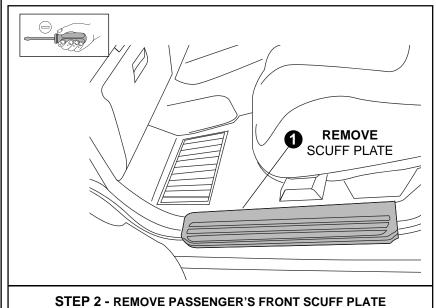


Remove the two bolts holding the tailgate stop. Remove the rubber stop and insert 2 packers into the cavities as shown. Reinstall the stop and repeat for the opposite side.

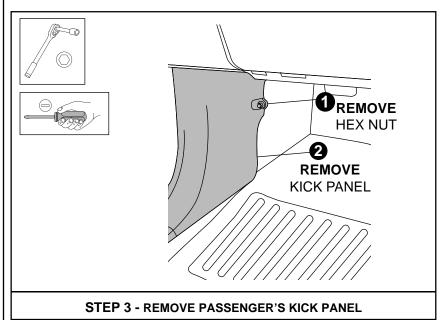
SECTION B ELECTRICAL LOOM INSTALLATION



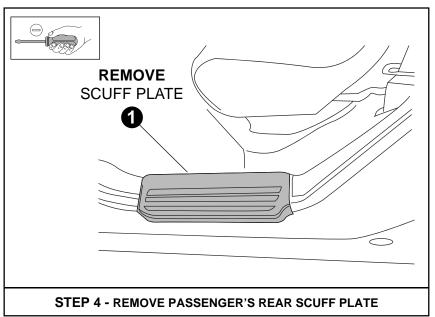
STEP 1 - VEHICLE HARNESS LAYOUT



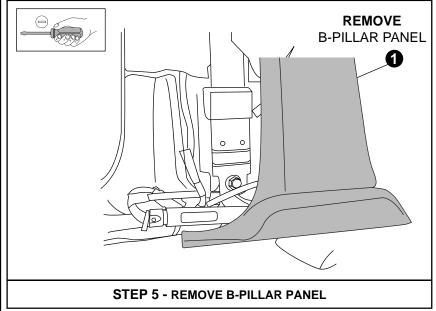
Remove the passenger's front side scuff plate by lifting it with flat screwdriver or trim removal tool.



Remove the passenger's kick panel by removing the hex nut and lifting it with flat screwdriver or trim removal tool.

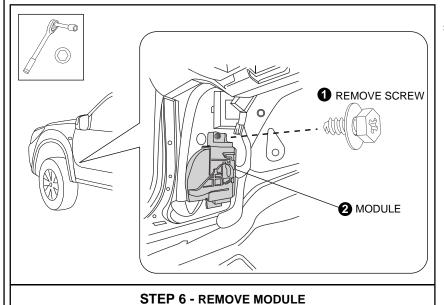


Remove the passenger's rear side scuff plate by lifting it with flat screwdriver or trim removal tool.

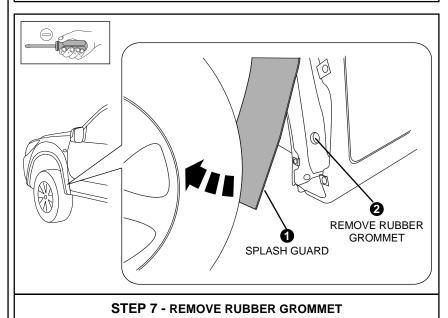


Remove the B-pillar panel with screwdriver or trim removal tool.

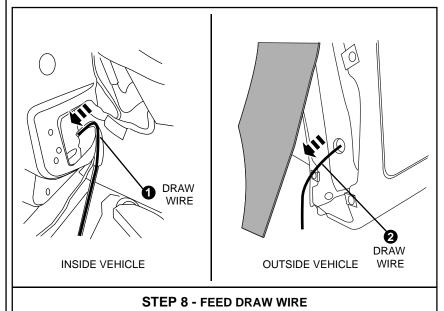
Note: The B-pillar panel will need to be pulled aside as it has the seat belt attached.



Inside the passenger footwell, remove the screw holding the module and pull it to side.

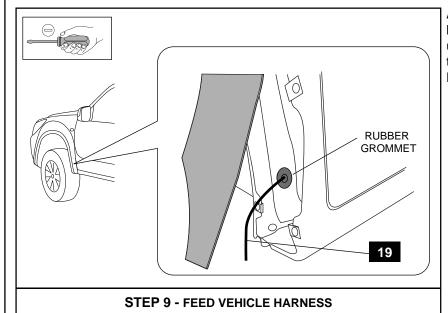


Remove the fasteners securing the rear side of the passenger wheel splash guard. Pull the splash guard forward and remove the rubber grommet from the hole as shown.

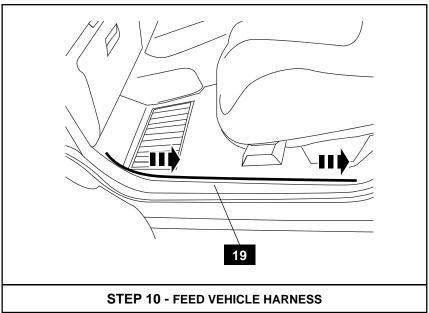


Feed a Draw Wire from inside of the foot well into the hole until the wire comes out inside the wheel arch as shown.

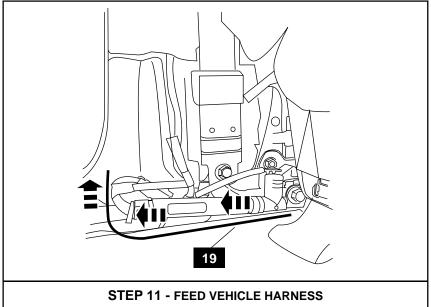
One person feeding the wire from inside of the cab and other person looking for the wire at the grommet hole.



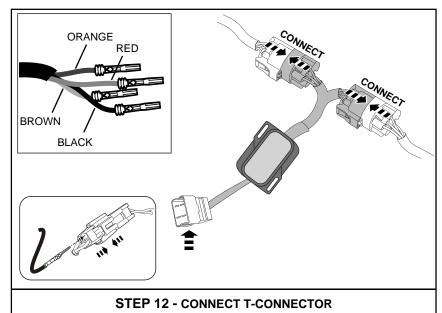
Attach the thin end of the vehicle harness to the draw wire outside the vehicle using PVC tape and pull into the foot well until the rubber grommet located on the Vehicle Harness is fitted into the hole in the chassis.



Run the Vehicle Harness (20) inside the cabin along the door seal to the B-pillar, near the electrical connectors.



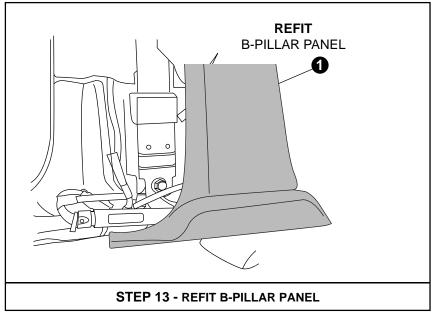
Make sure routing is underneath seat belt pretensioner and other wiring.



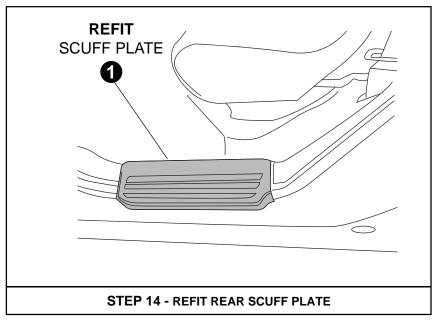
Disconnect the main wiring near the B-pillar and join using the supplied T-connector. Fit the 4 terminals (black, red, orange & brown) on the Vehicle Harness into the Male terminal housing.

Connect the T-connector to the Vehicle Harness.

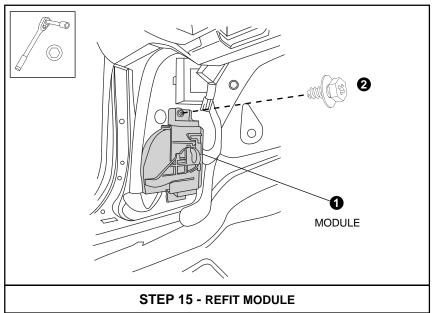
Note: Make sure the wires are colour matched to the wires in the T-connector



Position the t-connector and wiring so it will not interfere with other components. Refit the B-pillar panel.

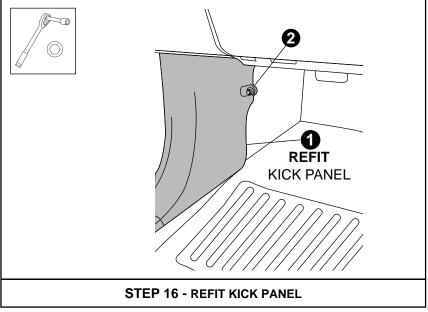


Refit the rear scuff plate.

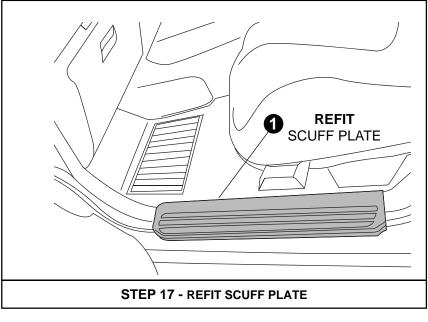


Inside the passenger footwell, secure the module with the screw.

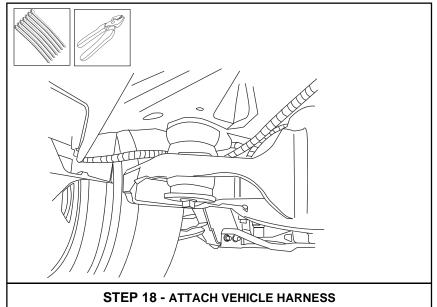
Make sure the vehicle harness does not get pinched and can not rub on sharp edges.



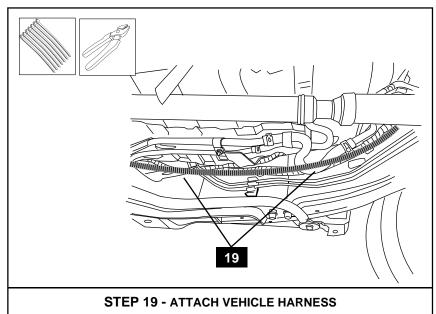
Refit the kick panel ensuring the wiring does not get trapped by clip fasteners.



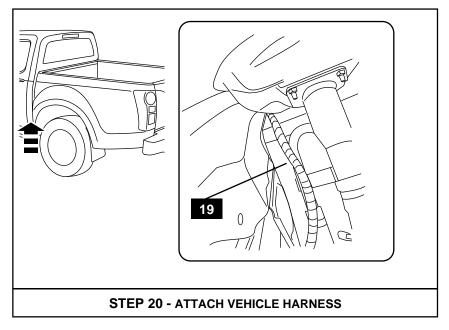
Refit the scuff plate ensuring the wiring does not get trapped by clip fasteners.



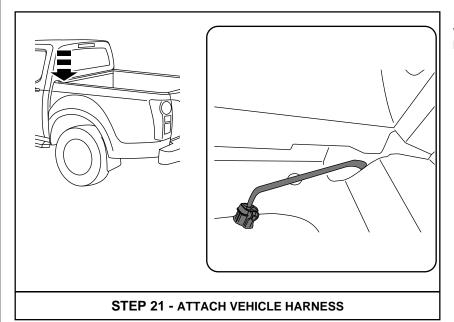
Run the Vehicle Harness from the front wheel arch to the rear along the chassis rail and secure with cable ties. Make sure harness is clear of sharp edges.



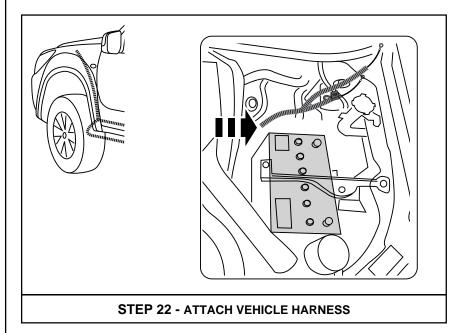
Run the Vehicle Harness to the rear along the chassis rail and secure with cable ties to existing vehicle harness.



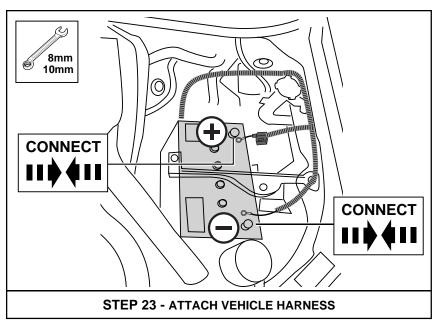
Remove wheel arch front section to allow feeding a draw wire from inside the tub down to the vehicle harness.



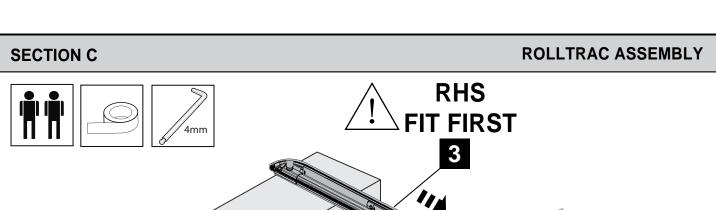
Feed the harness up into the tub using the draw wire fitted inbetween the sheet metal at the front left of the tub rail.

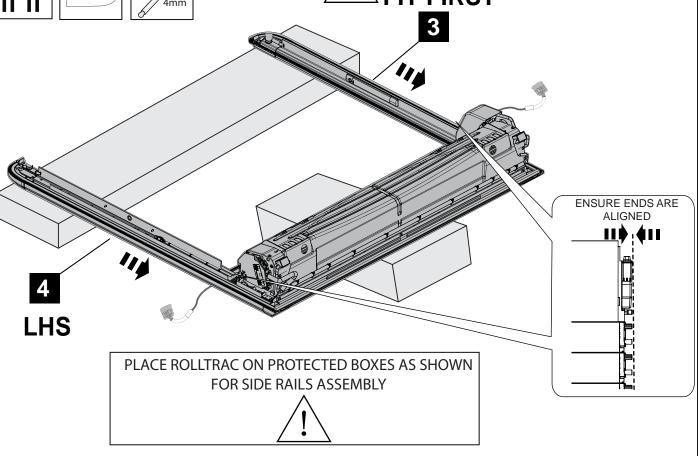


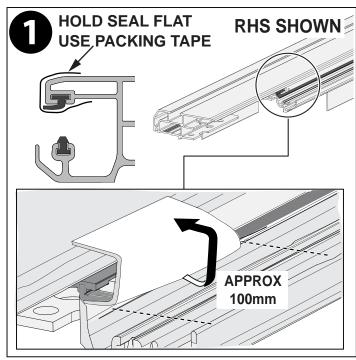
Feed the harness up into the engine bay.

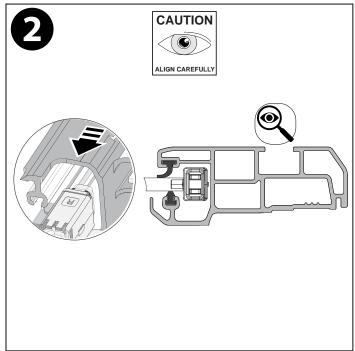


Connect the Vehicle Harness to the positive and negative terminals of the battery. NOTE: Once harness is in position secure in place using cable ties.



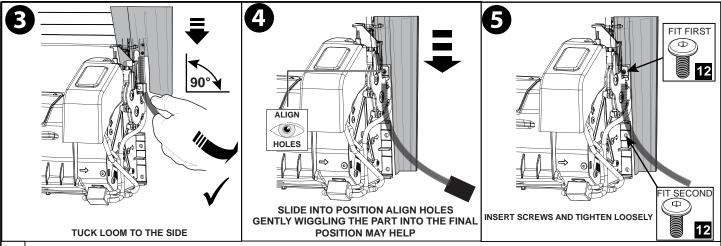




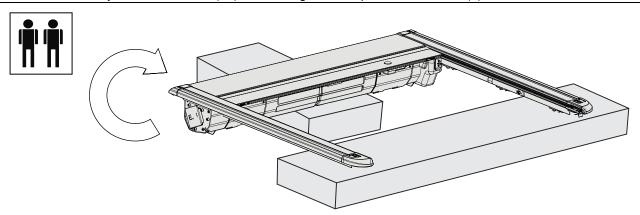


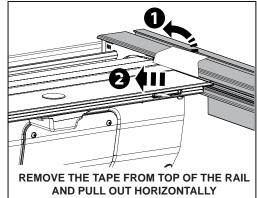
Place the canister (1) on two protected boxes as shown, ensure hand rail and slat ends are aligned. Tape up the seal on the Side Rail (3) as shown.

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

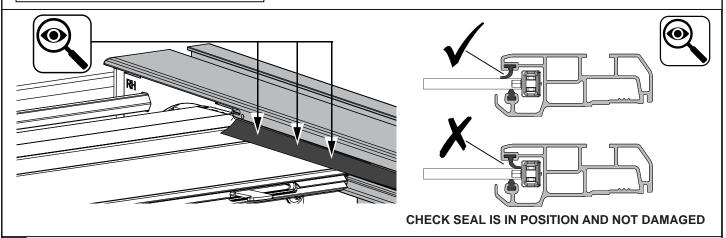


Pull hand rail to expose 3 slats. Slide the Rail over slat ends and onto endcap location pins. Align the holes and secure loosely with two screws (12). Do not tighten. Repeat for LHS Rail (4)

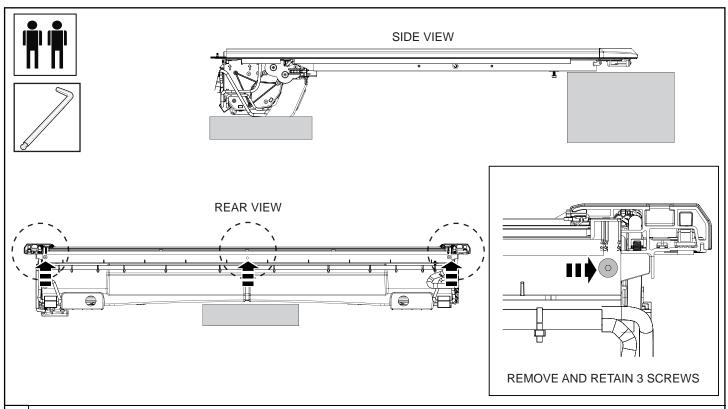




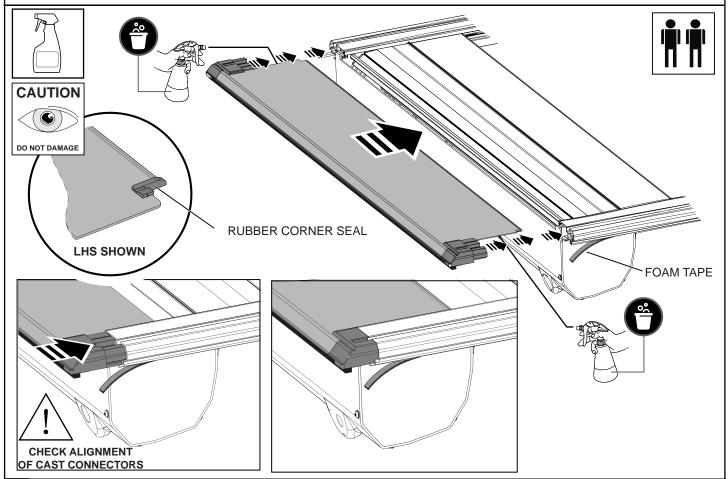
PLACE ROLLTRAC ON PROTECTED BOXES AS SHOWN FOR SIDE RAILS ASSEMBLY



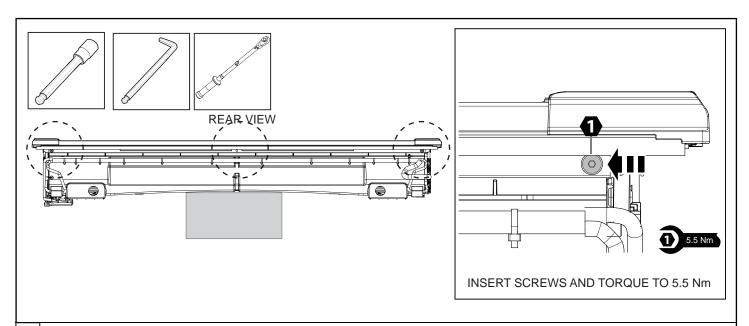
Carefully lay the assembly over onto a protected surface. Remove the tape holding the rubber seal and check the seal position as shown. Repeat for LHS Rail (4)



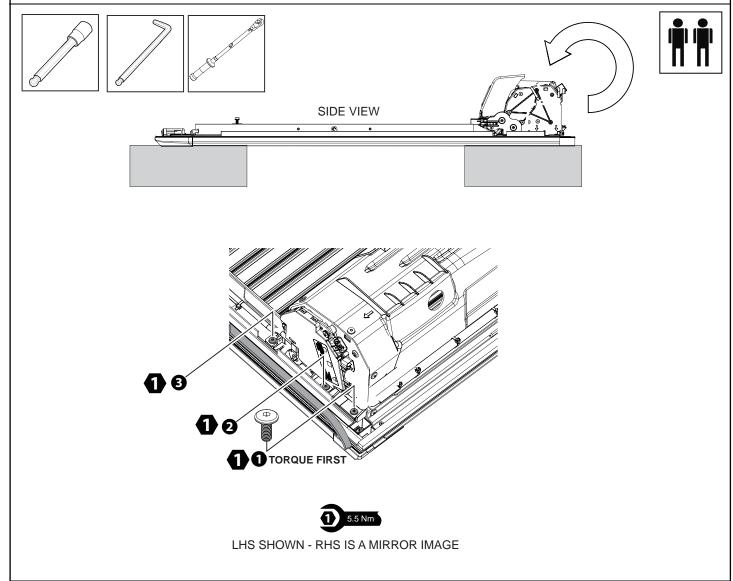
Remove the 3 pre-fitted screws (12) from the rear of the cover which will be used to secure the Front Plate (1) to the assembly. Ensure the product is not scratched or damaged when laying flat. **IMPORTANT:** Do not apply load to the endcaps and do not sit product on motor cover.



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.

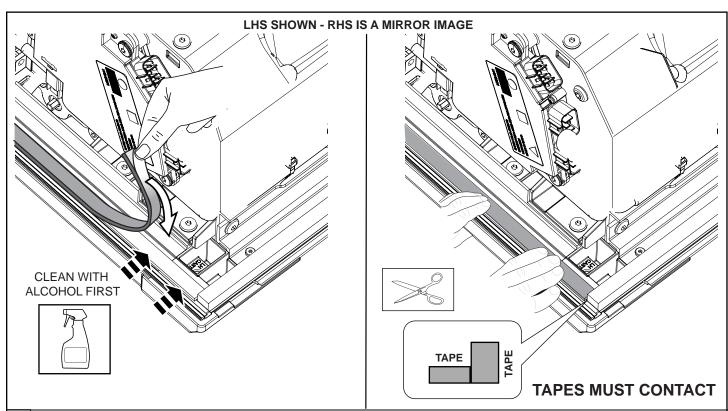


6 Using the 3 screws removed in step 4, screw the Front Plate (2) to the Canister Assembly (1) and torque to 5.5 Nm.

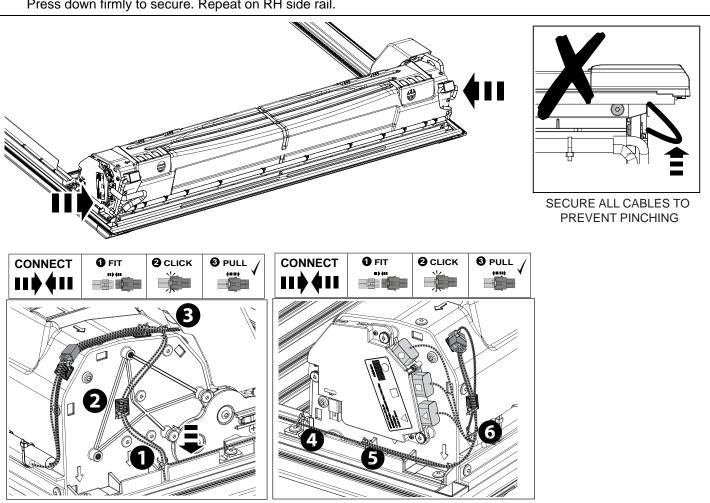


Carefully flip the assembly over onto a flat protected surface which will not damage the cover or scratch the paint work. Install the 2 screws (12) at the most rearward position first through the front cover to the side rails and torque to 5.5Nm followed by the remaining 4 screws (12) and torque to 5.5Nm.

scampbel



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.

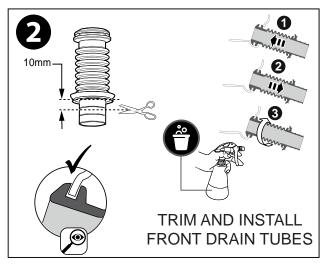


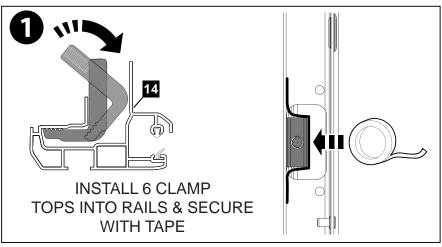
Gonnect side rail harness connectors to the connectors on the canister on the LHS and RHS.

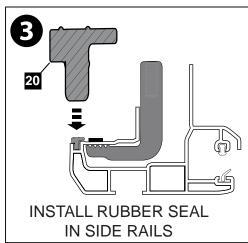
Secure all harness's to the canister using cable ties and mounting pads as required at the six locations shown.

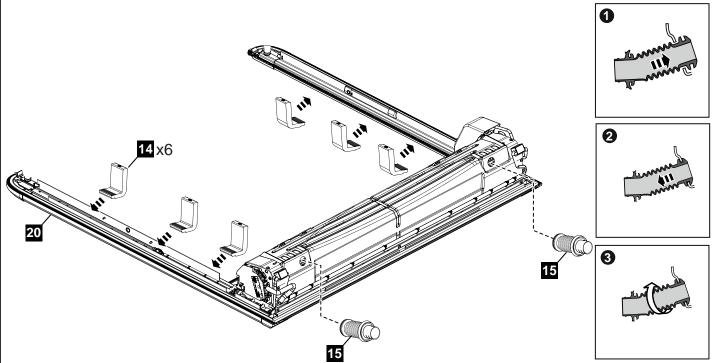
Ensure all cables are retained to prevent pinching during instalation and abrasion during service.



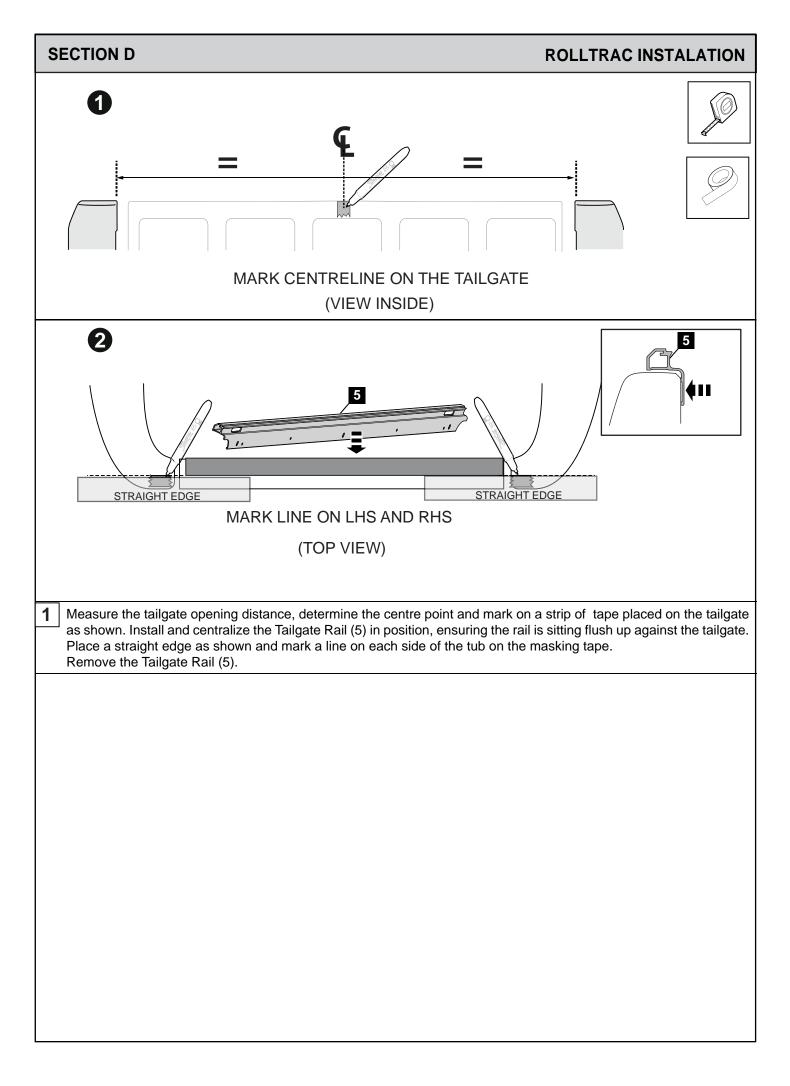


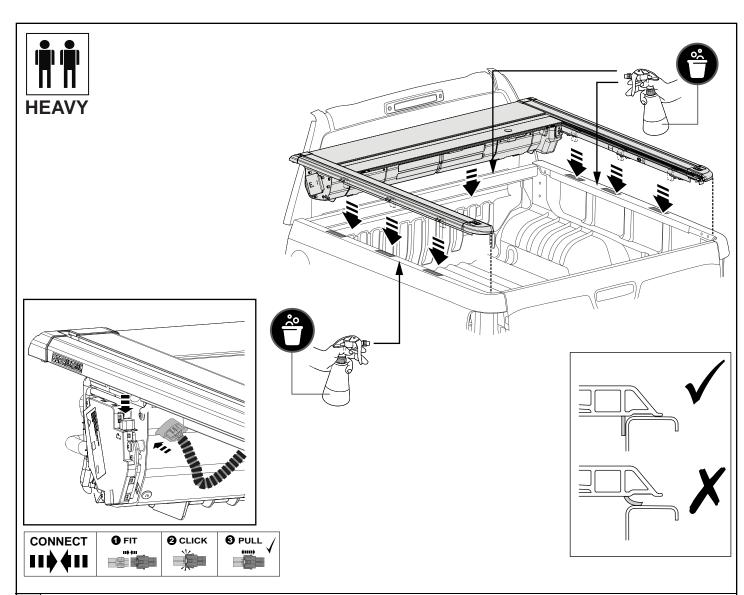




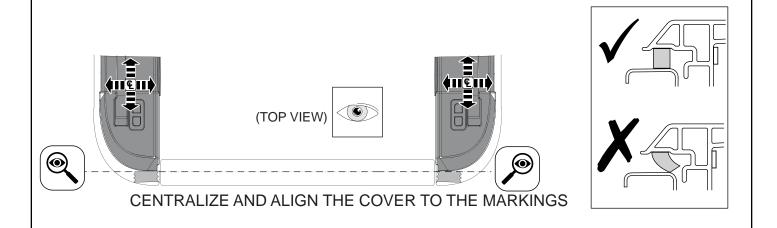


- 1) Install the six Clamp Tops (14) into the LHS and RHS side rails and secure with tape to temporarily hold in position.
 - 2) Trim the Front Drain Tubes and install into the holes in the canister.
 - 3) Install the Rubber Perimeter Seal into each side rail, ensure seal is firmly seated (note the seal orientation) and trim to length with snips.

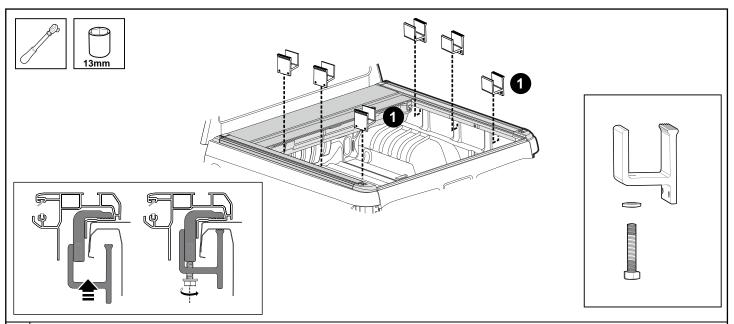




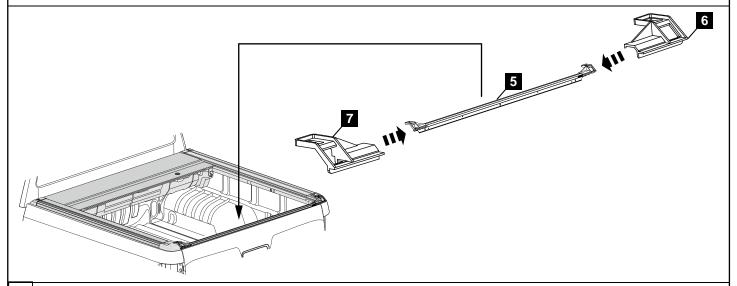
Spray the top surface of the tub liberally with a soapy water solution to enable the Cover to slide easily. Using two people to lift the cover from both sides and carefully lower it onto the tub. Connect the vehicle harness to the ECU as shown. **NOTE**: You may have to lift the LHS of the cover and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



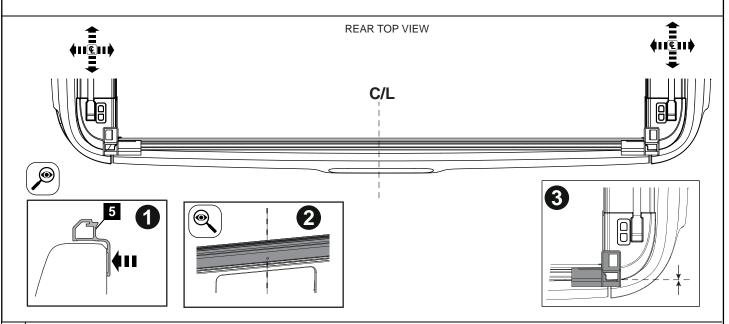
Adjust the cover so that it is aligned with the previous markings as shown. Ensure seals are not deformed by lifting cover and dropping vertically on tub.



Loosely install the LHS and RHS clamp bases (14). DO NOT TIGHTEN. IMPORTANT: Ensure to install washers as supplied in the kit.



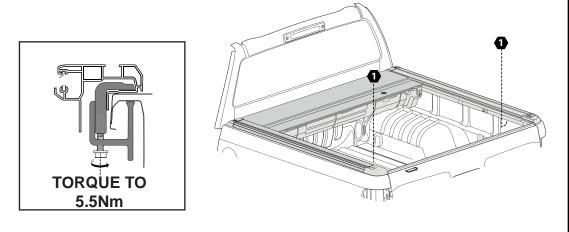
5 Open the tailgate. Assemble jigs to the tailgate rail, position on rear corners of the cover. Gently close tailgate.



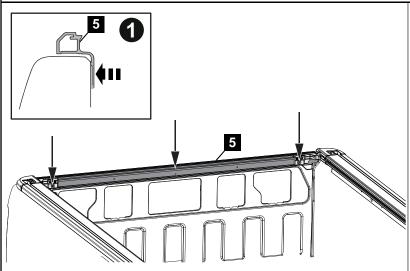
Press tailgate rail firmly against the tailgate. Check and adjust side to side by aligning the centre slot of the tailgate rail with pre marked center line. Check front to back position of cover on tub using jigs as a guide.

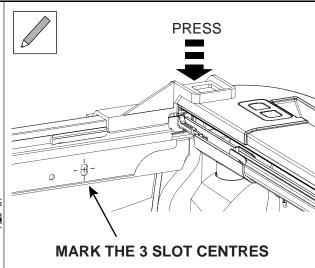






7 Torque (5.5Nm) the rear set of cover clamp bolts, ensuring cover does not move after tightening.





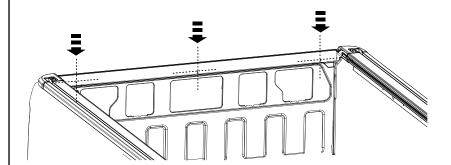
Ensure the Tailgate Rail (5) is level and in position and mark the centre point of the 3 slot hole positions on the tailgate. Remove the tailgate rail and jigs.

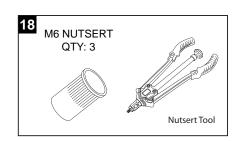






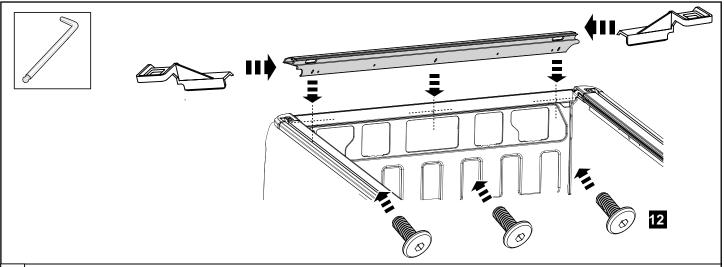




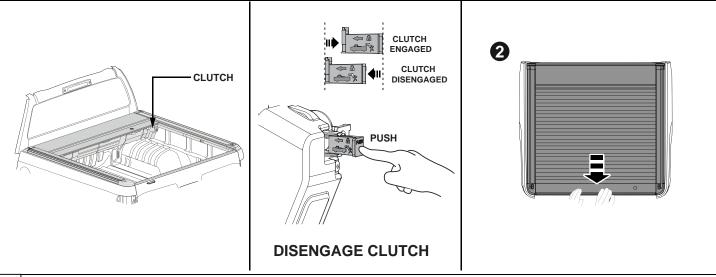


9 Centre punch and drill the 3 marked slot position with 9mm Step Drill. Apply rust inhibitor to the holes in the tailgate. Using Nutsert tool fit 3 Nutserts to the tailgate.

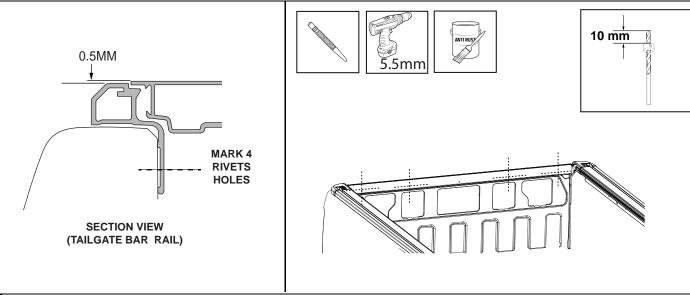
2020-07-31 09:38:34



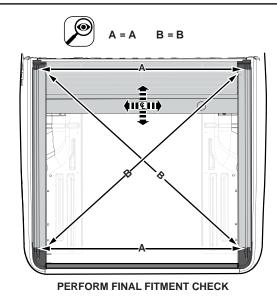
10 Refit the tailgate rail with jigs attached loosely secure to the tailgate with 3 screws (12).



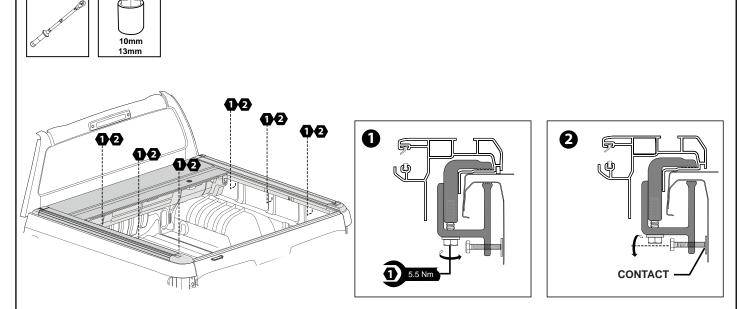
Locate the Clutch Disengagement Lever on the RH side of the cover and push the Clutch inward to disengage the motor. Pull the cover rearward.



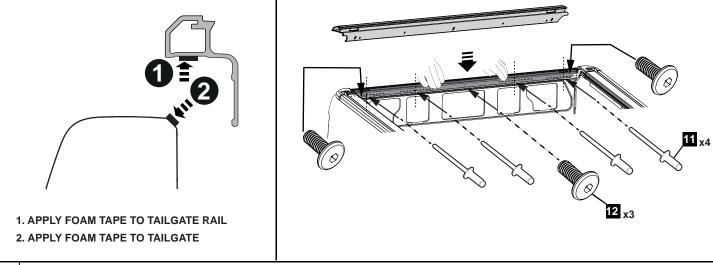
Check the alignment of the Tailgate Rail, it should be aligned with and slightly lower than the handrail by about 0.5mm. Once in position, partially open the EGR RollTrac and tighten the tailgate rail using the 3 screws. Mark the 4 rivets hole positions on the tailgate. Remove the Tailgate Rail and screws. Centre punch the marked rivet hole locations, drill with 5.5mm drill bit with drill stop set to 10mm. Apply corrosion inhibitor to all 4 holes on the tailgate.



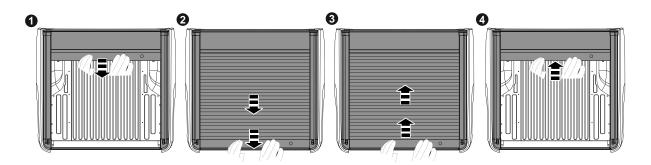
Perform a final positional fitment check, ensure that the cover is square by checking side to side and diagonal dimensions.



Adjust if required and Torque up the Clamps. The main bolt to a torque of 5.5Nm and the smaller side bolt only untill it makes contact with the reinforcing pad.



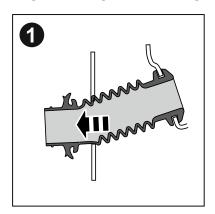
Clean the Tailgate Rail and tailgate with ISO Alcohol. Apply foam tape (17) to the underside of the tailgate rail and tailgate as shown. Fit tailgate rail, push down to previous position and tighten with M6 screws, check alignments and install rivets.

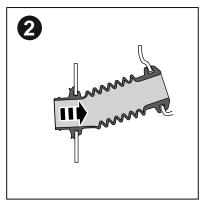


OPEN AND CLOSE 3X TO CONFIRM

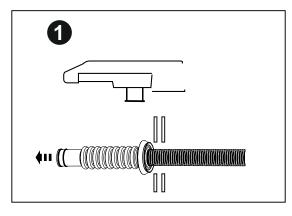
Open and close the cover by hand to confirm the cover slides smoothly and without jamming. Readjustment may be necessary if cover does not roll smoothly. Loosen clamps and return to installation section. Pull the Clutch Disengagement button fully outward to re-engage motor when complete.

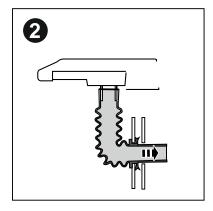
INSTALL FRONT DRAIN TUBES TO TUB

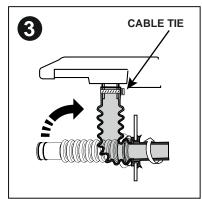


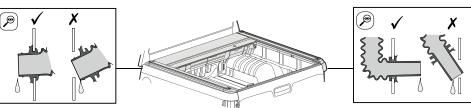


INSTALL REAR DRAIN TUBES TO TUB

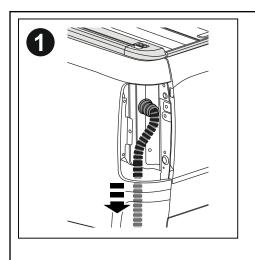


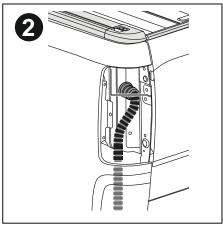




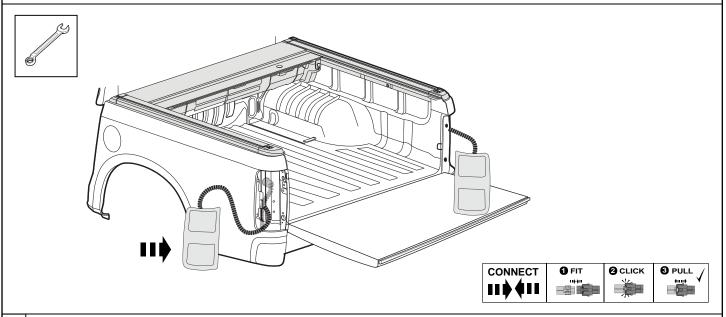


Connect the front (15) and rear (16) drain tubes to the vehicle tub making sure that both tubes engage over the wall of the tub. Leakage will occur if they are not properly installed.

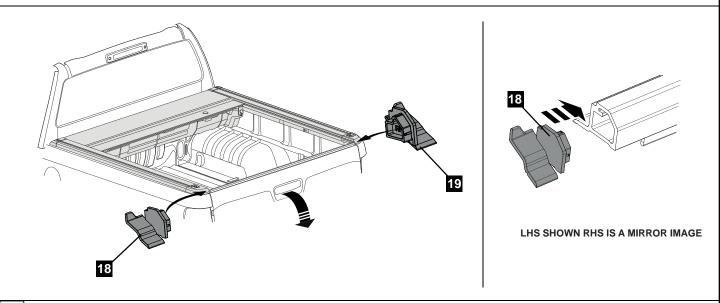




18 Install the water conduit (18) into the gap in the LHS and RHS tail lamp recess.



19 Re-connect the rear tail lamps with the previously removed hardware.



Open the tailgate and install the LHS (18) and RHS (19) Wiper Seals into the Tailgate Rail (3).

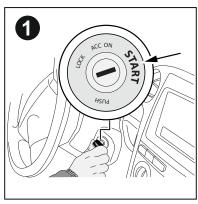
CALIBRATION PROCEDURE

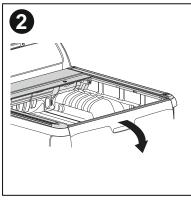
- 1. Start the vehicle in an open area (note exhaust fumes are a health and safety hazard!).
- 2. Open the tailgate.
- 3. Ensure the motor clutch is engaged.
- 4. Ensure car doors are unlocked and disable auto-locking during calibration procedure. Press the two side rail buttons simultaneously for 10 seconds to START calibration mode.

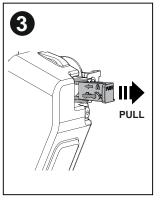


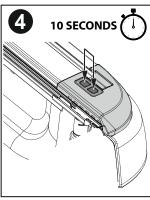
WARNING: Keep obstructions clear of cover during calibration mode.





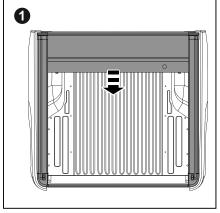


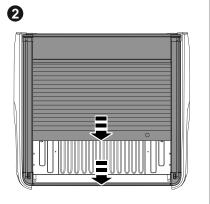


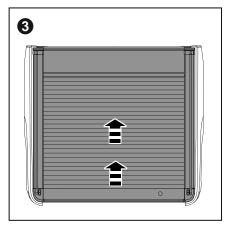


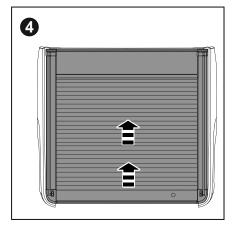
- Cover will open and close twice automatically.
- The cover internal LED light will pulse slowly during calibration and stop pulsing when calibration is complete.

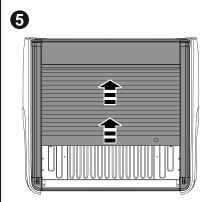


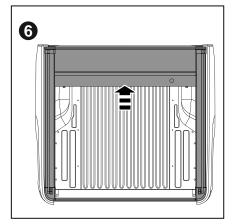








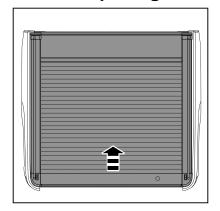




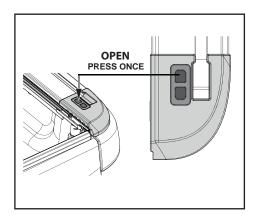
END OF CALIBRATION O

OPENING AND CLOSING PROCEDURE

Electric Opening Procedure:

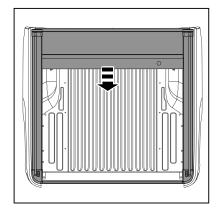


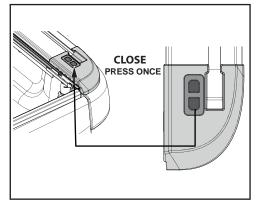




- 1. Press the "UNLOCK" button on the car remote.
- 2. Press the front button on the EGR RollTrac side rail as shown.

Electric Closing Procedure:





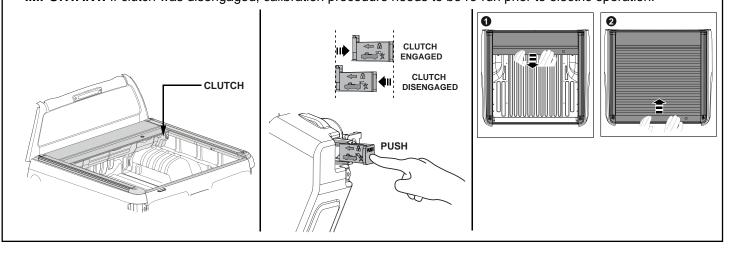


- 1. Press the rear button on the EGR RollTrac side rail as shown.
- 2. Press the "LOCK" button on the car remote.

NOTE: Cover should open and close smoothly. If cover does not lock or open correctly, please refer to the trouble shooting section in the Owners Manual.

Manual Opening and Closing Procedure:

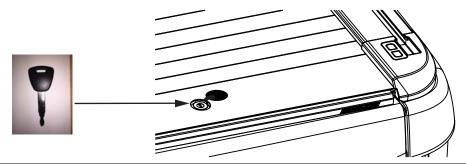
Locate the Clutch Disengagement Lever on the RH side of the cover and push the Clutch inward to disengage the motor. Pull the cover rearward or forward as required. Before driving vehicle ensure you re-engage the clutch. **IMPORTANT:** If clutch was disengaged, calibration procedure needs to be re-run prior to electric operation.



LOCKING PROCEDURE

Manual locking / unlocking using key:

- 1. Ensure cover is fully closed.
- 2. Open the rubber cap covering the lock and using the provided key turn RIGHT to lock and LEFT to unlock the cover.
- 3. Check lock engagement by opening the tailgate, if lock does not engage recheck cover installation

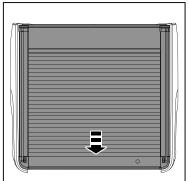


Electric locking / unlocking using key:

- 1. Ensure cover is fully closed.
- 2. Lock or unlock the cover by using button on the key remote.
- 3. Check lock engagement by opening the tailgate, if lock does not engage recheck cover installation **NOTE:** If vehicle is locked, buttons are deactivated and cover will not open/close.

Lock latches will not activate until cover is in fully closed position.

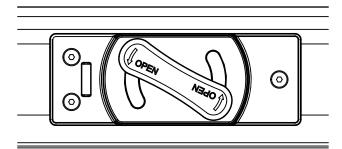
Ensure to return tailgate to fully closed position prior to lock/unlock.





Emergency Opening:

- 1. The EGR RollTrac has an internal manual unlocking handle.
- 2. Test the operation by twisting the handle as indicated by the arrows and ensure latches move.



FINAL NOTES:

Dispose of all packaging and waste according to local regulations.

Retain your Owners Manual, Fitting Instructions and fitting jigs for future reference.

Refer to Owners Manual for operation, warranty, service and product care guidelines.

Complete the installation check list in Owners Manual and store keys safely.

Clean the EGR RollTrac using multi purpose cleaner to remove any residue from packaging and installation.