



VEHICLE ACCESSORIES

INSTALLATION INSTRUCTIONS

SsangYong Musso SWB

This instructions has QR codes on relevant sections. You must scan the QR codes via your smart phone camera and watch the video to ensure your fitment is to standard.



INSTALLATION TIME: 1 hours and 45 minutes (Approximately)

IMPORTANT	• Do not stand/sit or rest heavy objects on Roll R Cover • Humans or animals are not to be under the closed cover at any given time • Tonneau Cover is not dust or water tight • If contact with volatile chemicals occur, clean Cover with mild detergent and water solution		
Care Instructions	• Read Instructions fully before commencing installation. • Clean Cover with a mild detergent and water solution • Do not use abrasive cleaners or solvents • Refer to manufactures instructions applicable to power drill. • Protect Tub floor against scratches during installation process.		
Maintenance	Refer to Maintenance instructions.		
Tools Required	• Pen / Marker • Centre Punch • Drill & Drill bits • Caulking Gun • Silicon - Non Acetic	• Scissors & Knife • Spanner & Socket • Tape measure • Holesaw • Filing tool	• Soapy water solution • Allen Key set • Screw driver • Rust Inhibitor • Trim Removal Tool

PERSONAL PROTECTIVE EQUIPMENT:



Rubber Gloves



Goggles

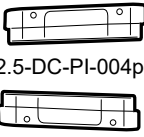
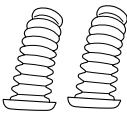
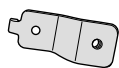
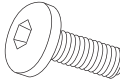
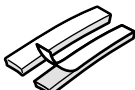


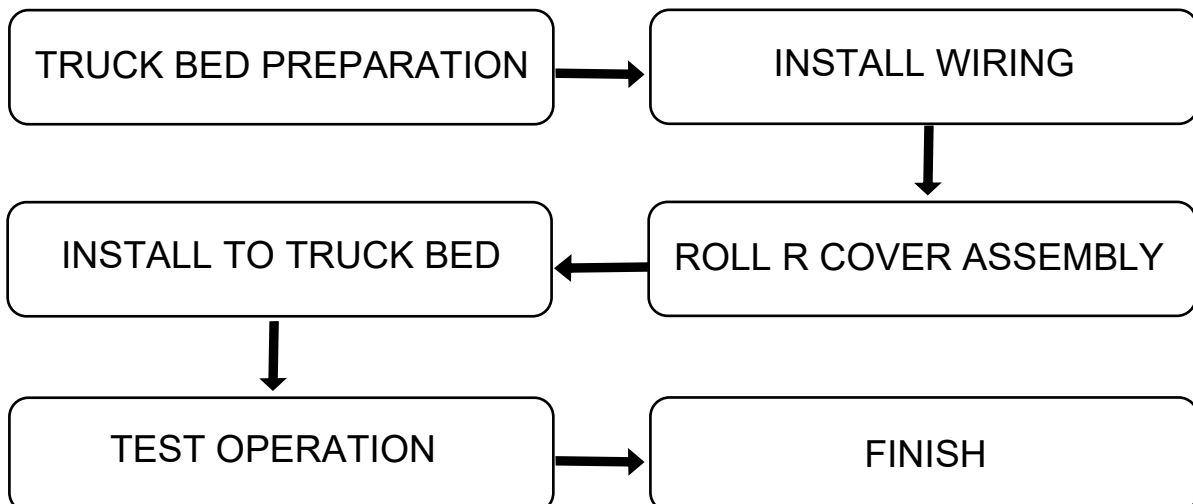
Hearing Protection

BOX CONTENTS

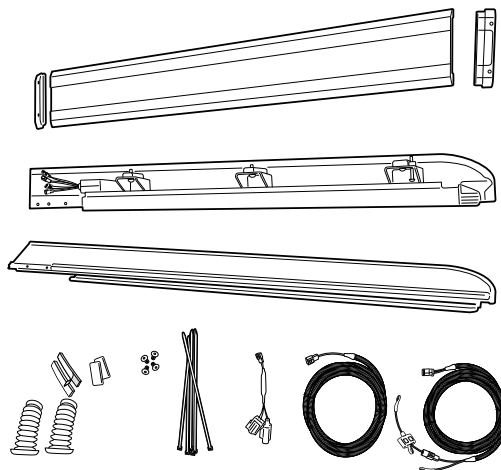
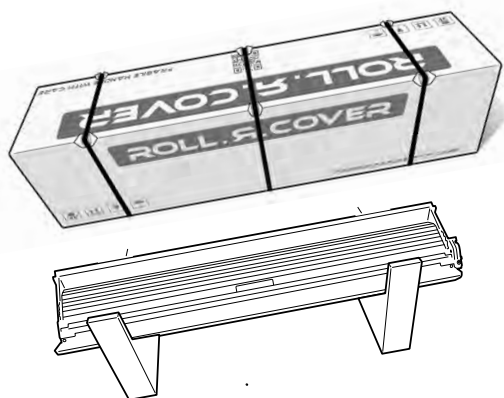
LEFT & RIGHT SIDE RAIL S2.5-DC-AE-002ps-SYS4 S2.5-DC-AE-003ds-SYS4 	CANISTER ASSEMBLY  S3-DC-AF-SYS-001/002
CANISTER TOP COVER 	S2.5-DC-AE-005 -SYL

SPECIFIC KIT SYS4

COVER END CAPS  S2.5-DC-PI-004ps S2.5-DC-PI-004ds	 COUNTERSUNK SCREW Qty - 4	 CABLE TIE Qty x 20	 BATTERY LOOM S2.75	 Drainage pipe Qty - 2	 Rear Drainage pipe Qty - 2
 S3.5-DC-SF-016 Front tub bracket QTY - 2	 S3.5-DC- SF-017 common tub bracket QTY - 2	 S3.5-DC-F-018 LH Rear Bracket QTY - 1	 S3.5-DC-SF-018 RH Rear Bracket QTY - 1	 M8 x 25mm Qty - 4	 M8 WASHER Qty - 6
 M8 SPRING WASHER Qty - 6	 50449 D-SPONGE Qty-2	 CL-LOOM-SHORT	 SY-PATCH	 Clear protective tape (30mm x 65mm) Qty - 2	 M6x20mm Pan head, with spring washer & flat Washer Qty-6



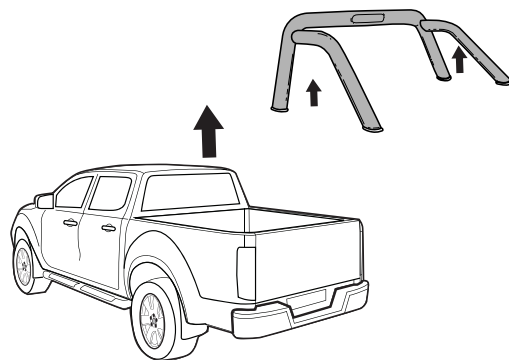
Carefully unpack the box.



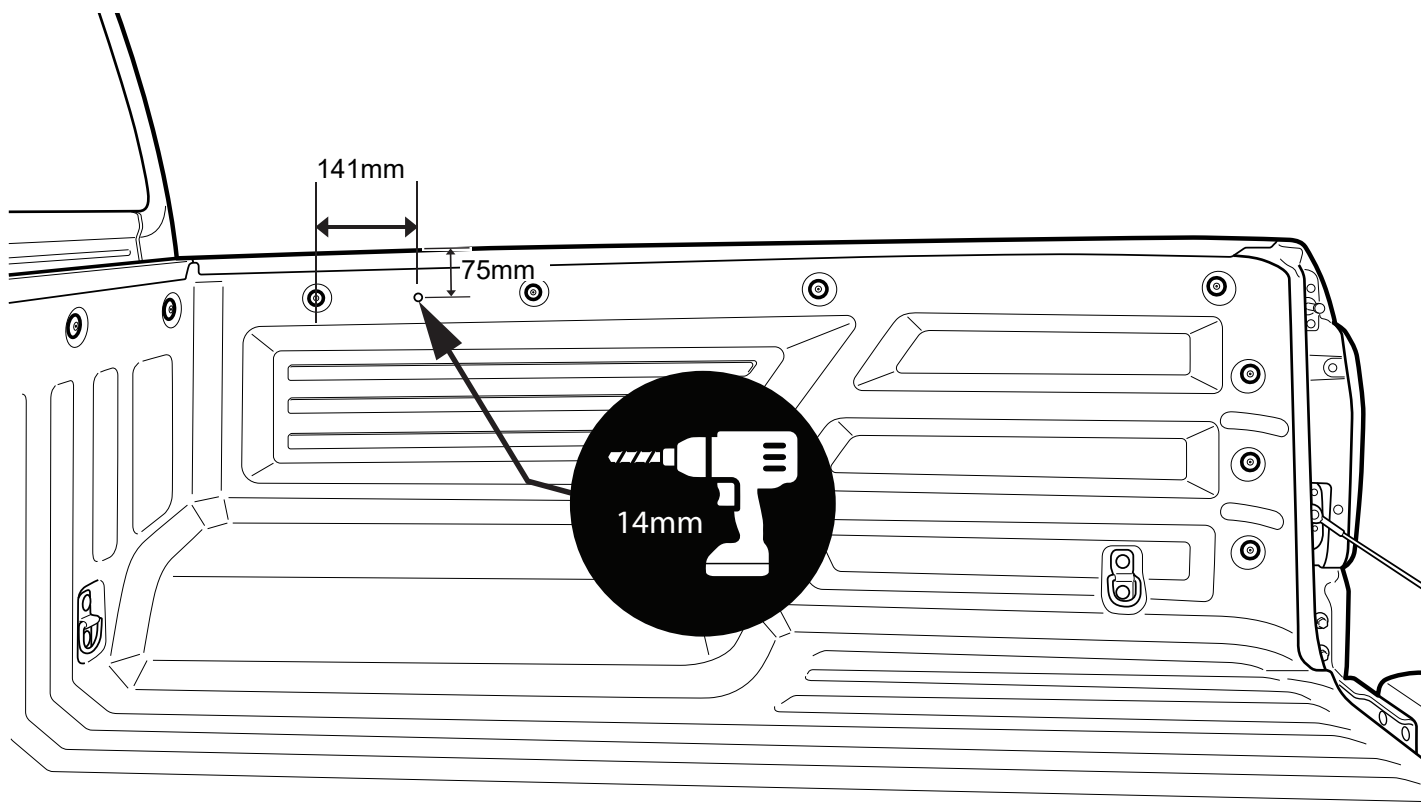
TUB PREPARATION

NOTE: Instructions may refer to one side of vehicle, repeat steps to the other side.

If the Vehicle is fitted with a cabin guard or sports styling bar, remove from Ute Tub (truck bed).

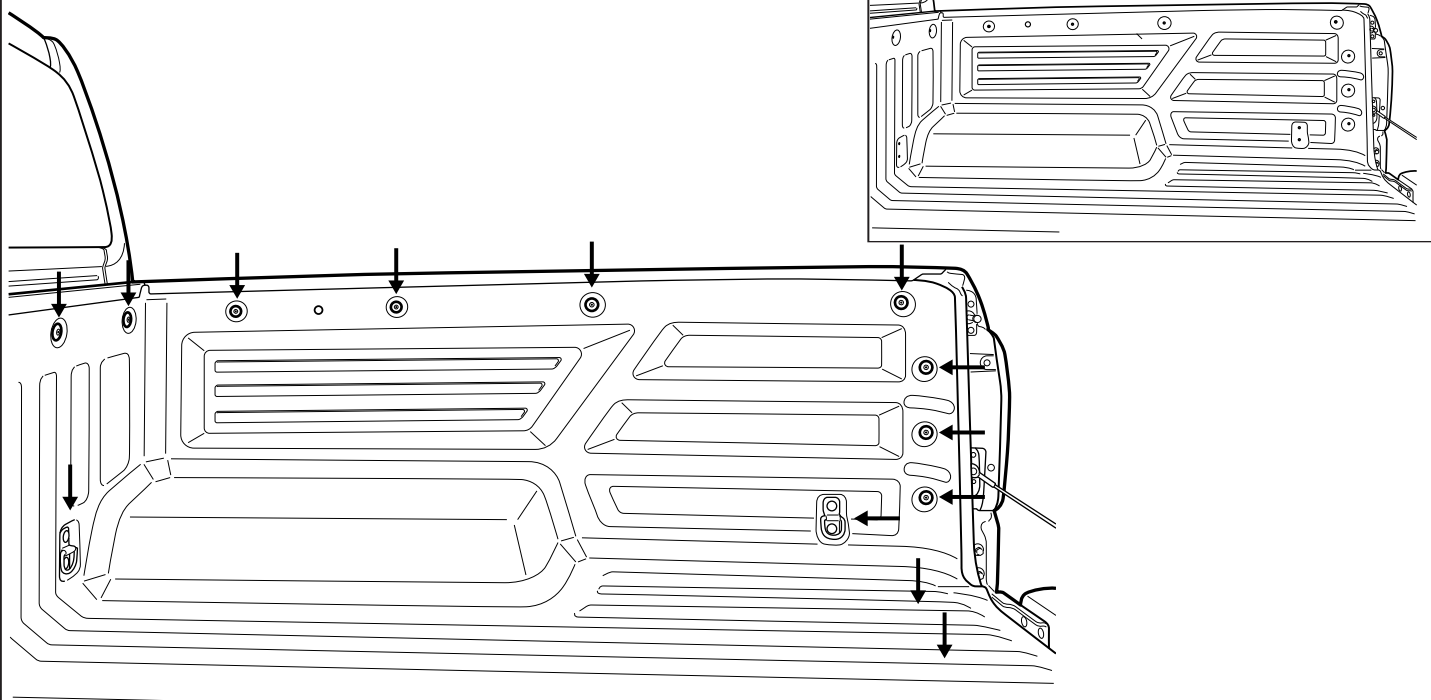


Measure down from top of tub top rail 75mm & 141mm from center of indicated body trim clip towards the tailgate and make a mark on the tubliner as shown. Repeat to the other side.
Using a 14mm hole-saw drill the liner only as indicated.
Repeat to the other side.



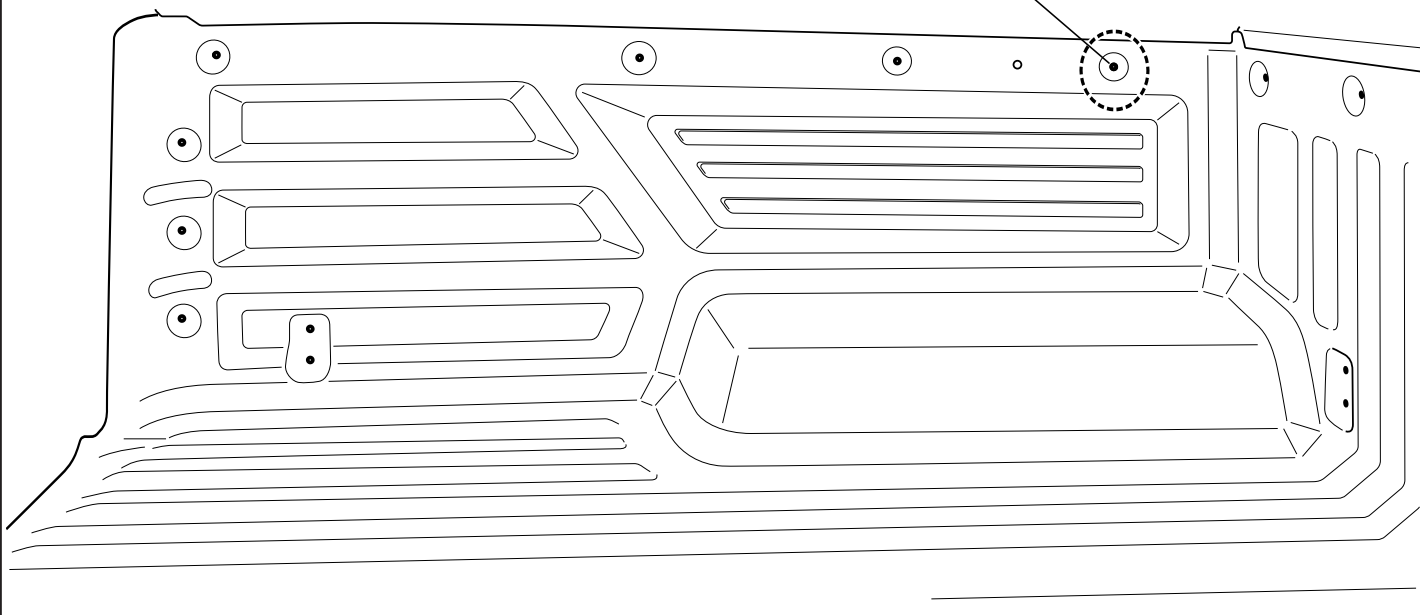
Remove and retain all bolts, body clips and tie down points holding the tub liner in place.

Remove the tub liner from the tub.

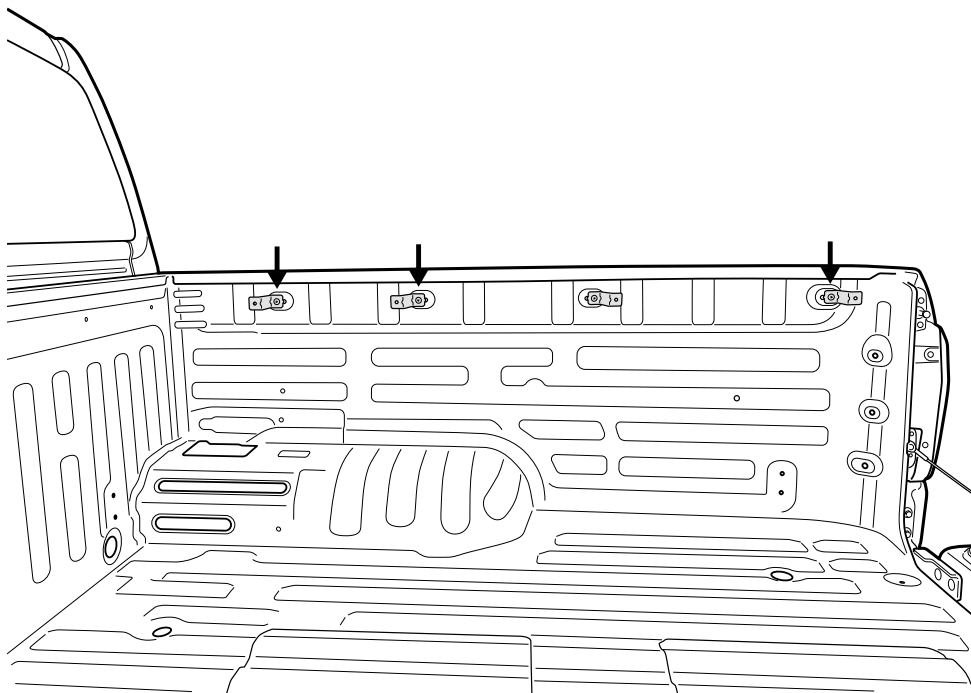


Passenger side:

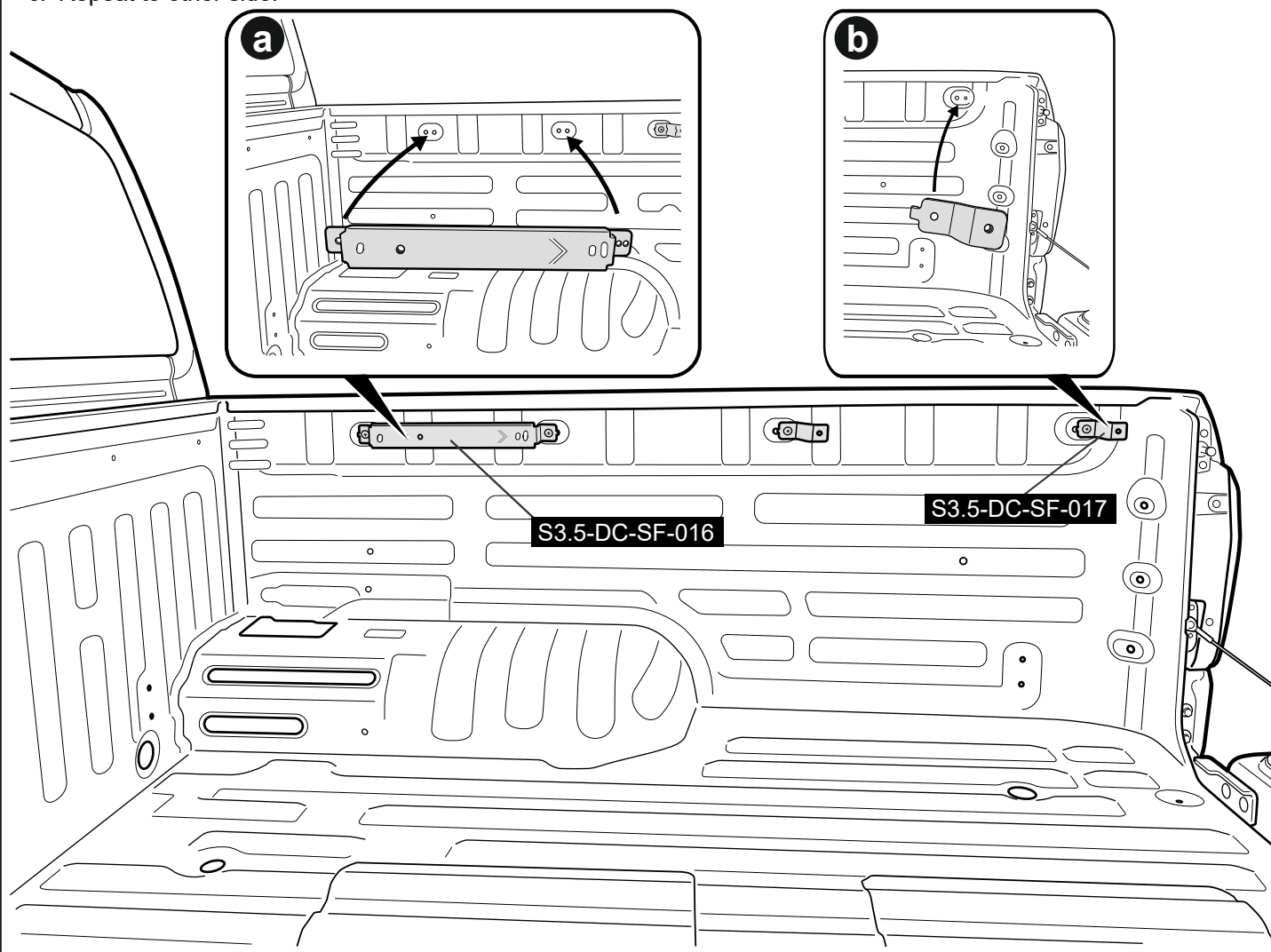
The indicated hole on the tub liner (which is for the body clip) needs to be enlarged to 20mm.



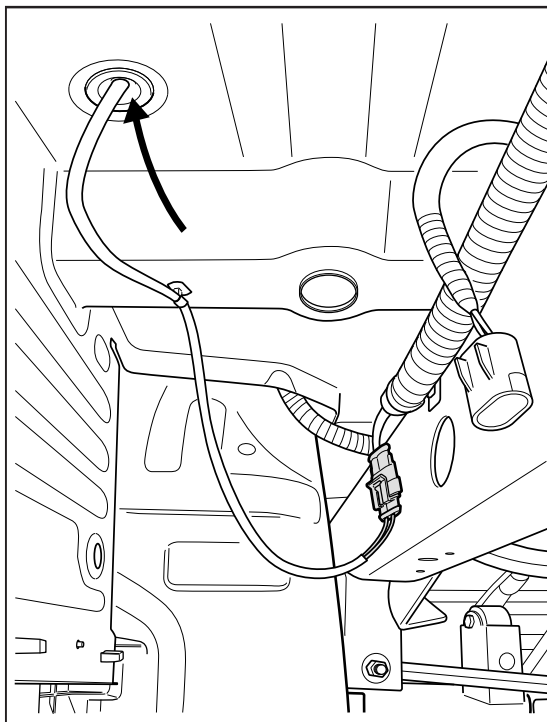
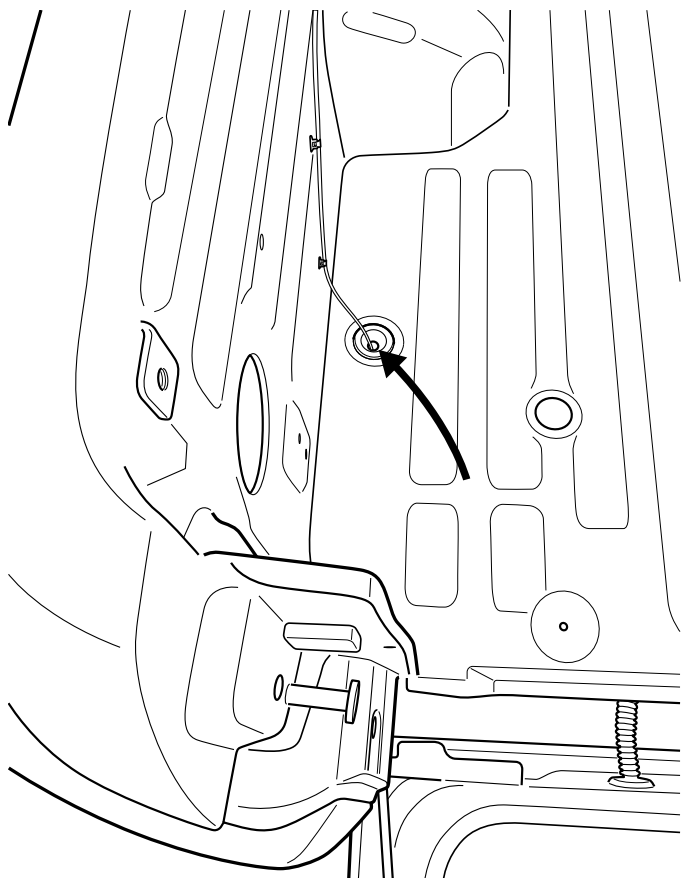
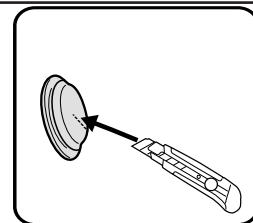
Remove indicated factory brackets.
Discard the removed bolts brackets. Repeat to the other side.



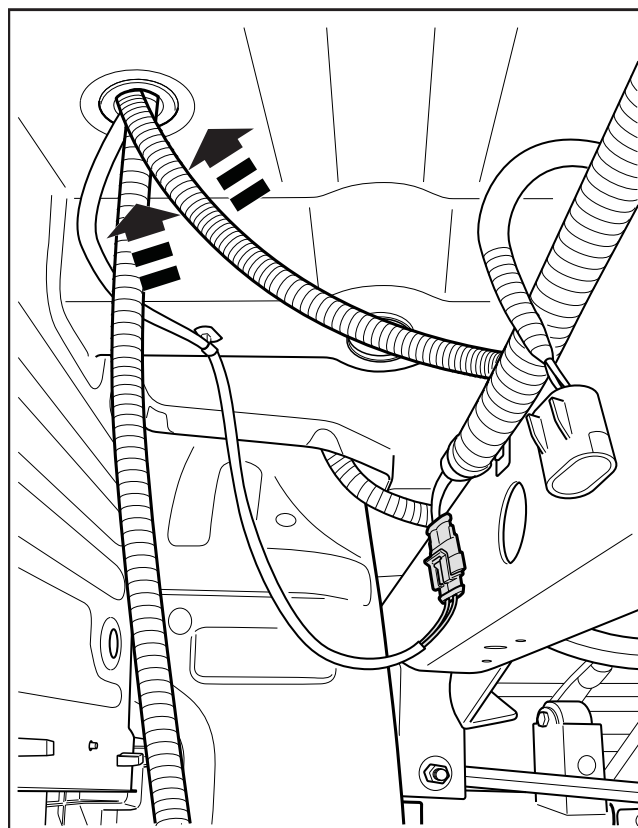
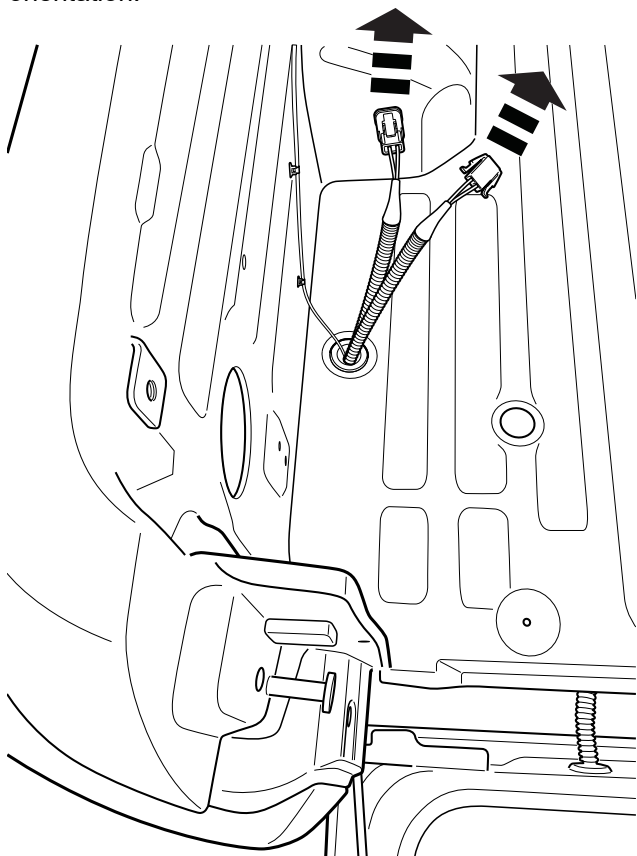
- In the indicated location, align and fasten into place bracket S3.5-DC-SF-016 using supplied M6 x 20mm assembled pan head bolts.
- In the indicated locations and orientation, align and fasten into place bracket S3.5-DC-SF-017 using supplied M6 x 20mm assembled pan head bolts.
- Repeat to other side.



1. Locate indicated rubber grommet located on the left hand side rear of the ute tub.
2. With care to not disturb any of the other wiring,make a small incision to the side of the grommet.

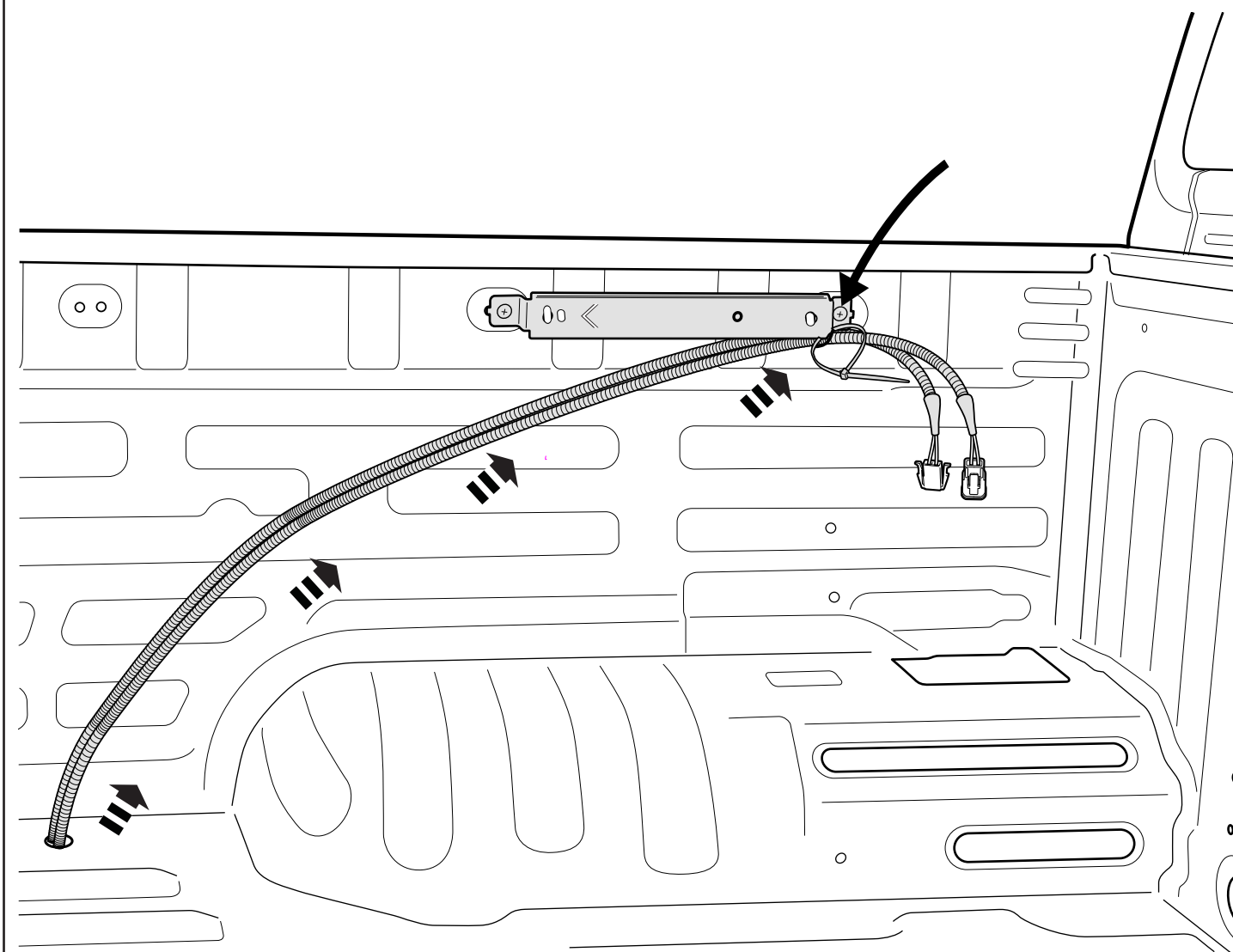


From the underside of the tub feed up into the tub both CL-Short-Loom and The battery loom S2.75 in the indicated orientation.

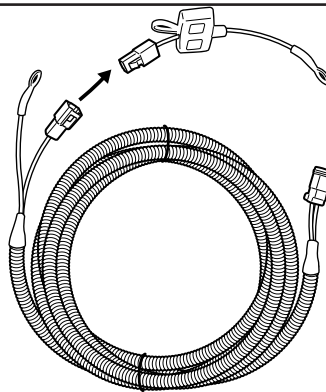


Pull loom towards the indicated bracket and making sure to leave a 200mm overhang now cable tie to the bracket in the indicated location.

Note: keep loom away from the face of the bracket.

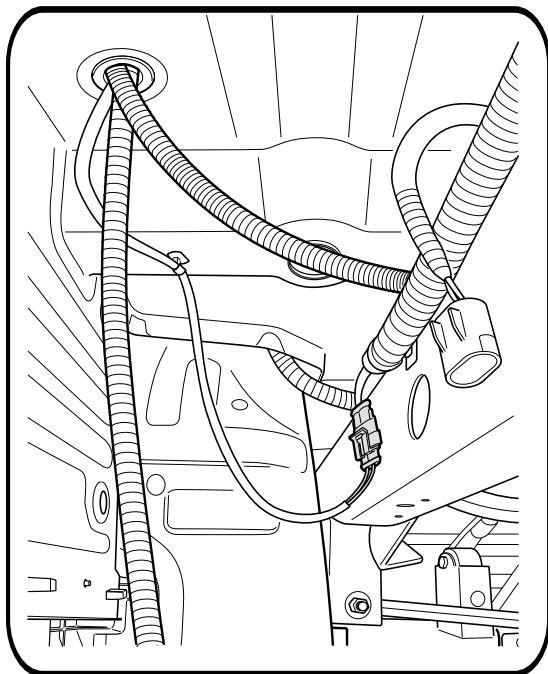


Disconnect fuse patch from battery loom S2.75.

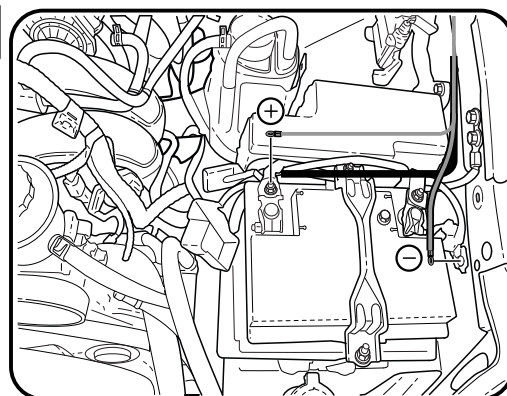


Run the wiring (battery loom S2.75), from the rear to the battery over the chassis rail. Making sure to keep away from hot obstructions and cable tie loosely every 400mm. Reconnect fuse patch to battery loom S2.75, now attach fuse patch to positive of battery and earth to the body of the Ute. Now fasten cable ties up tight.

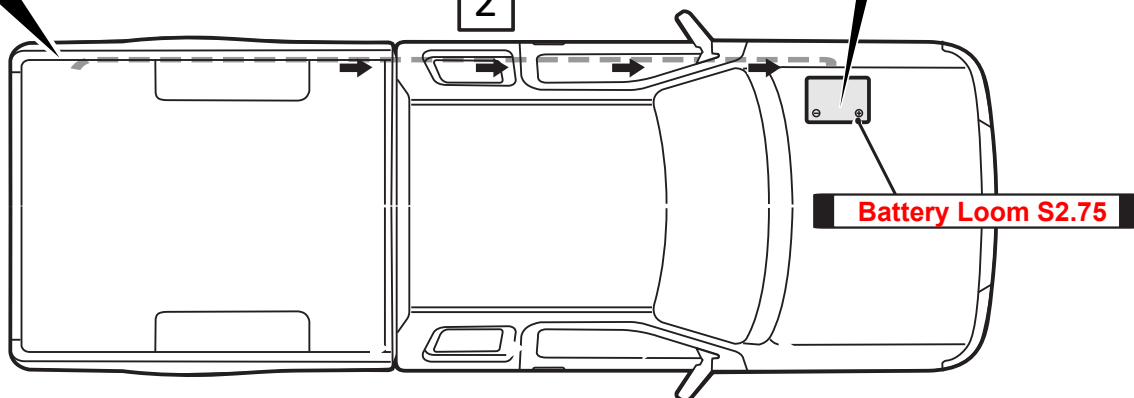
1



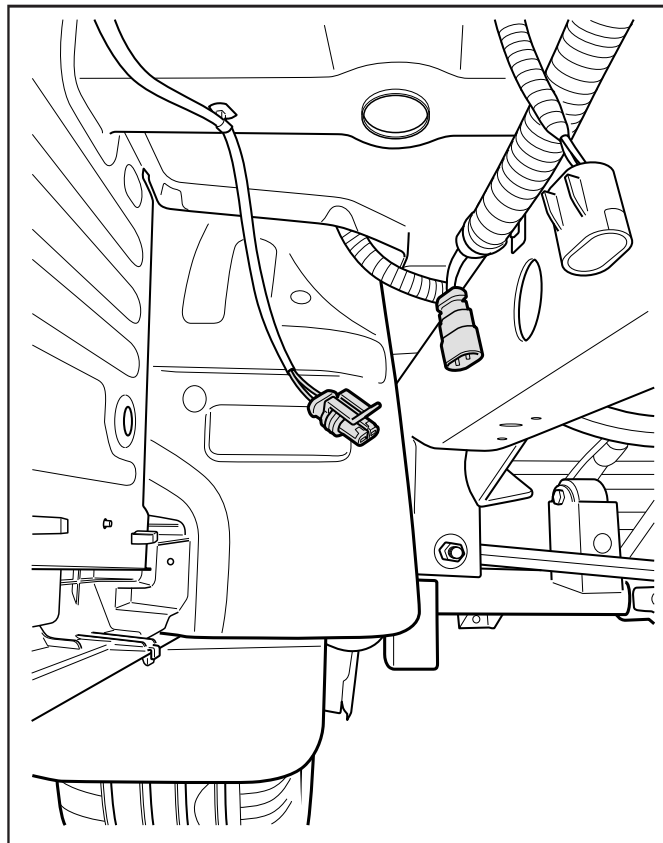
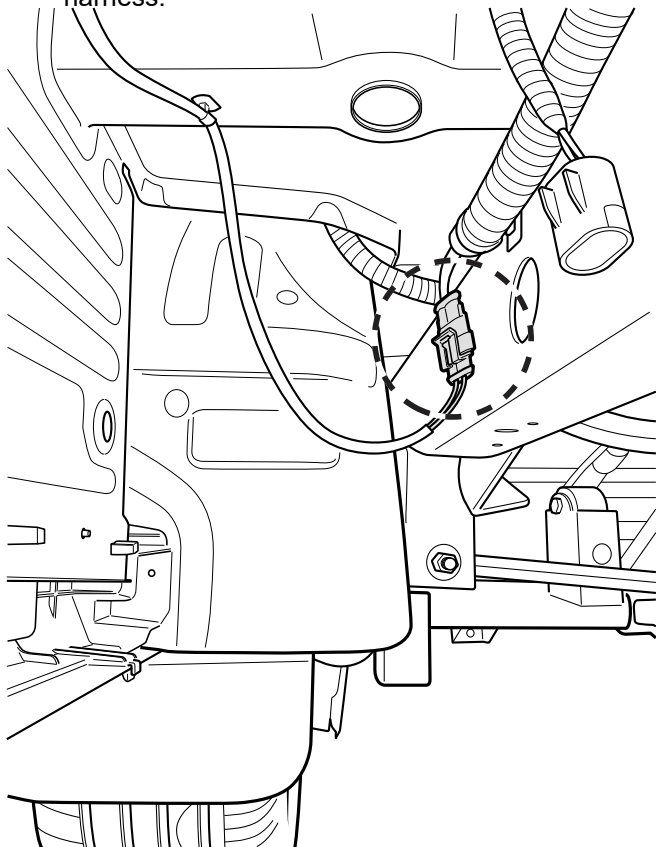
3



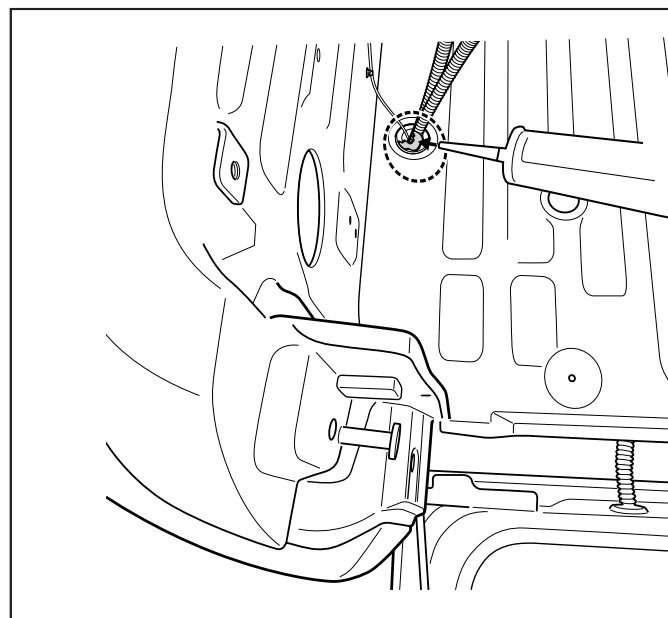
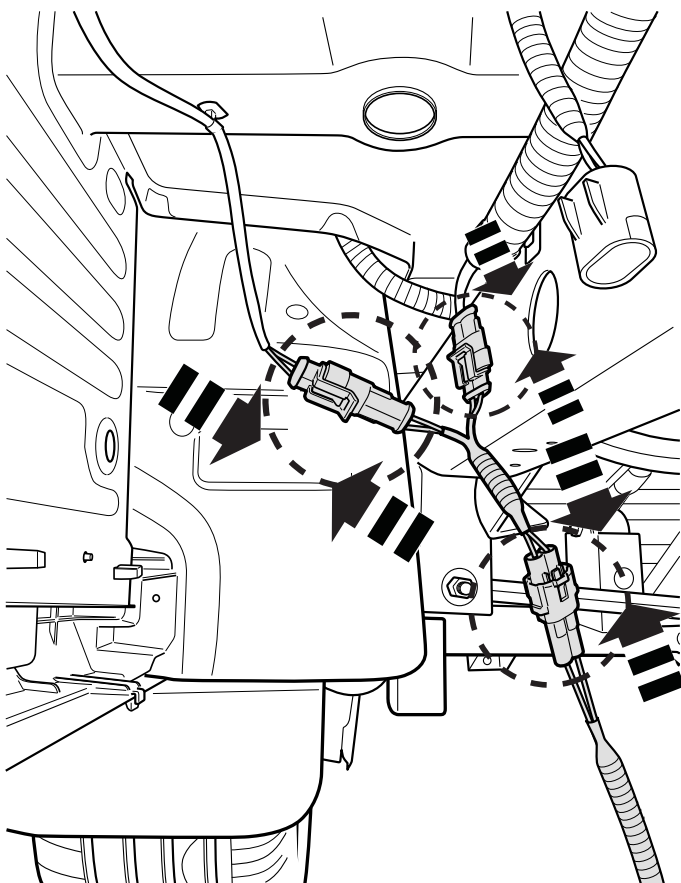
2



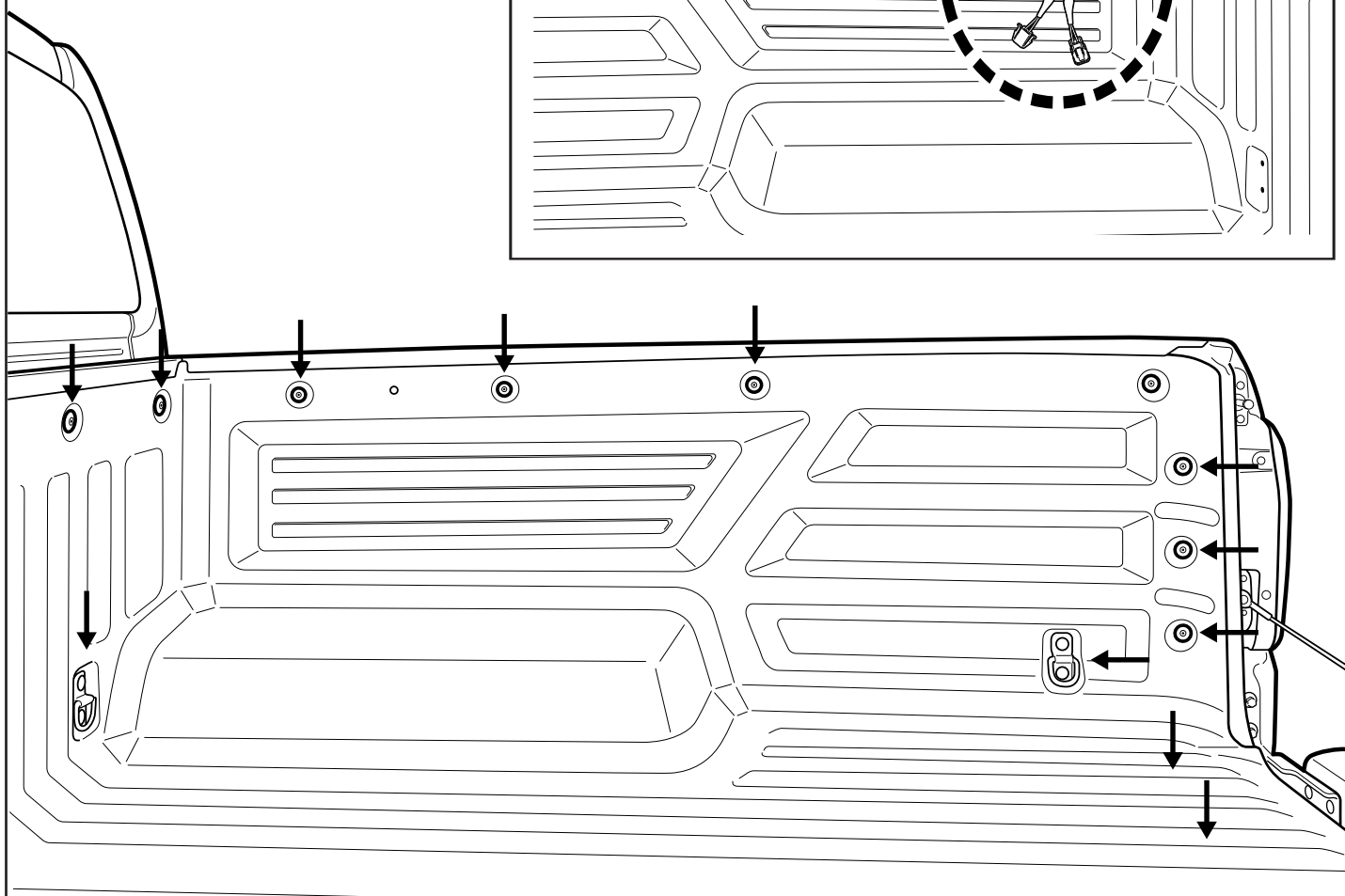
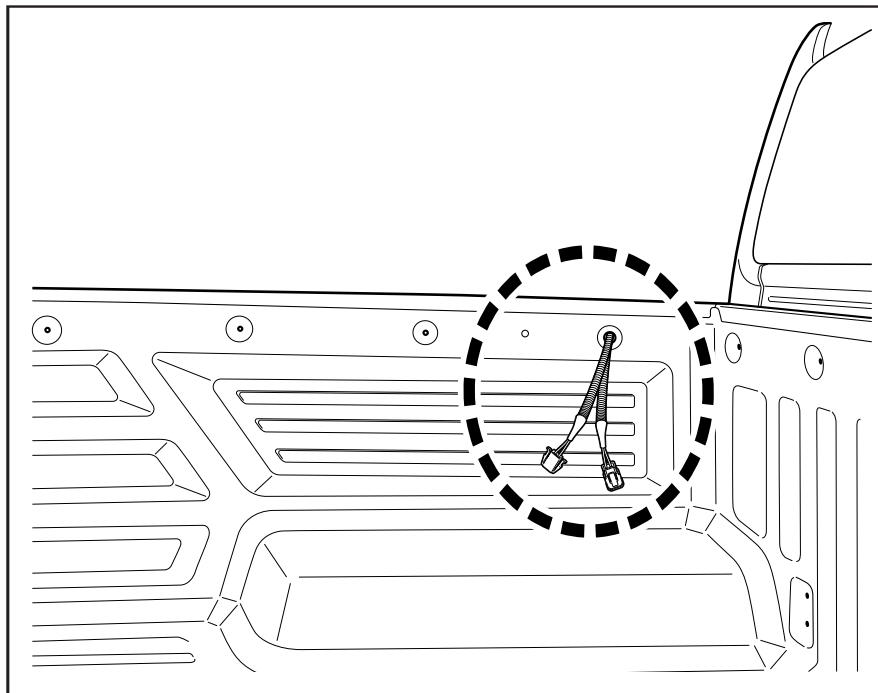
1. Locate the indicated fuel flap factory central locking connector.
2. Unplug the male and female connectors from the harness.



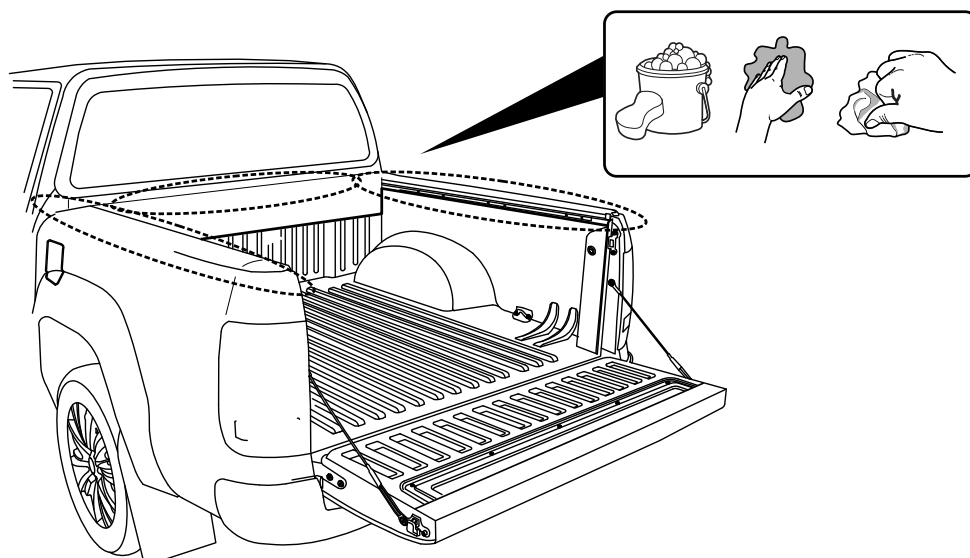
1. Connect the SY-Patch to both the male and female connectors of the harness.
2. Now connect CL-Loom-short to SY - Patch.
3. Cable tie any loose wiring neatly tucked away.

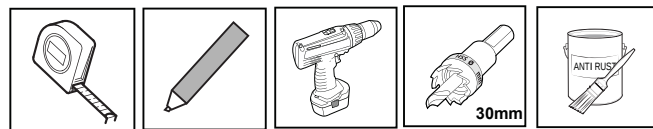


1. Re-fit the tub liner back on to the tub.
2. Pull through the CL & Battery looms through the enlarged hole of the tub liner.
3. Re-fit all retained bolts, body clips and tie down points holding the tub liner in place.

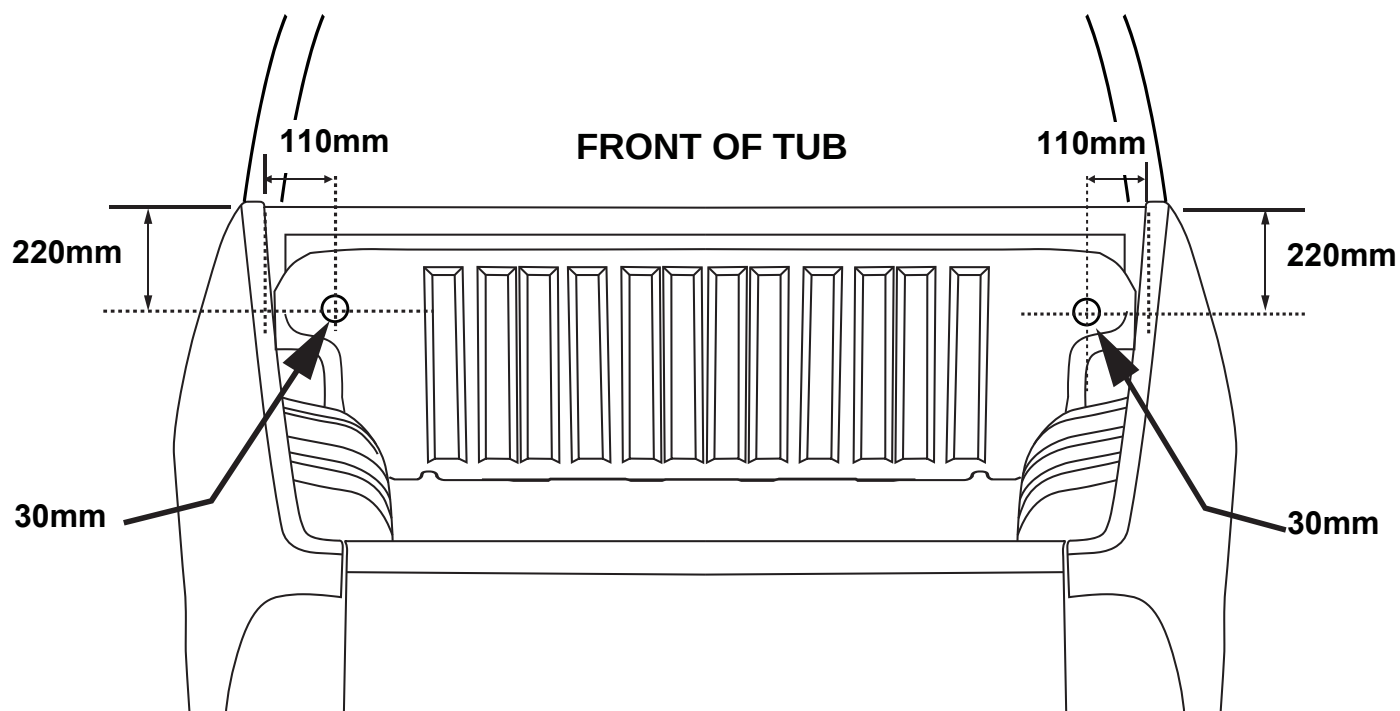


Clean area as indicated.



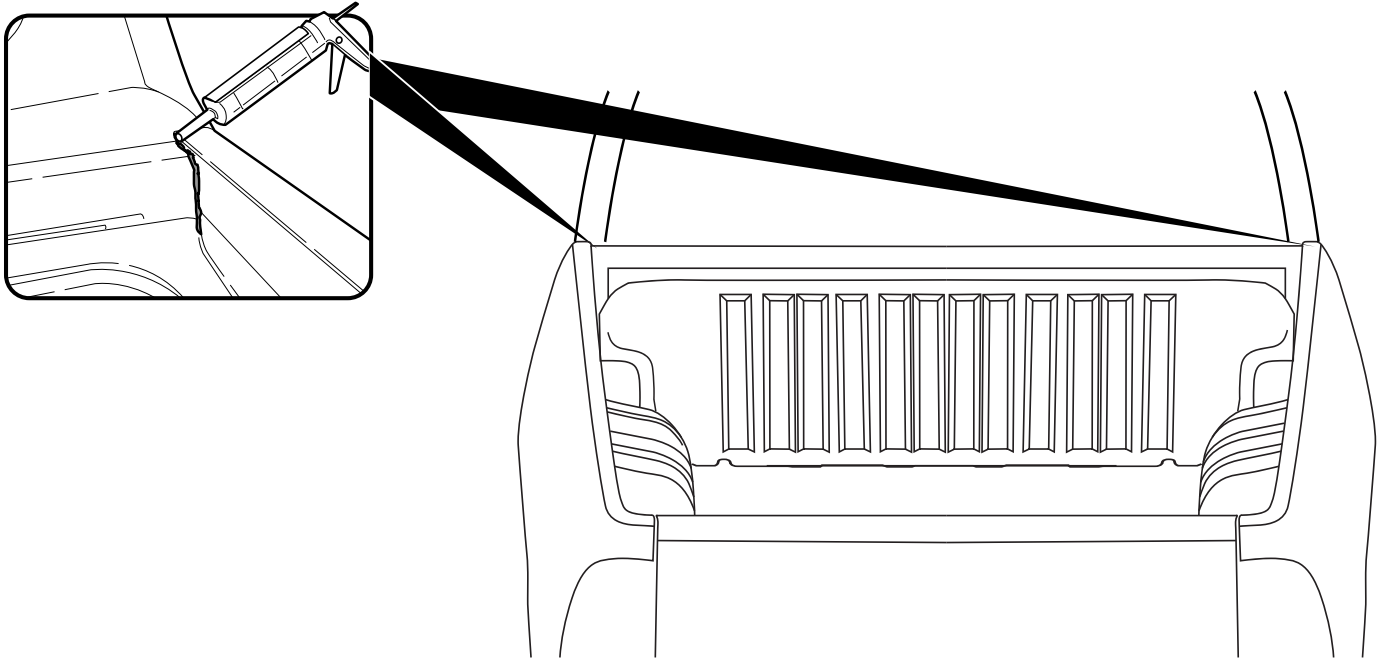
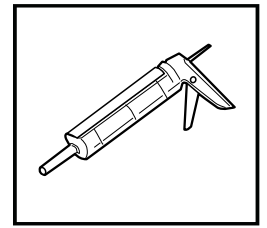


Measure down from top of headboard 220mm & 110mm from inside wall of bed as shown. Using a 50mm hole-saw drill through tub liner **only**, then using a **30mm** hole-saw drill trough the front tub panel, file away any sharp edges. Apply anti rust coating.



 **ATTENTION:** Do not exceed 30mm hole.

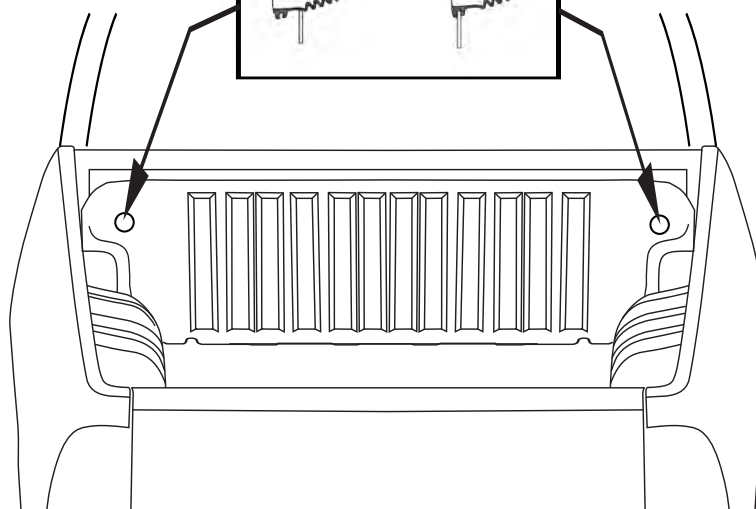
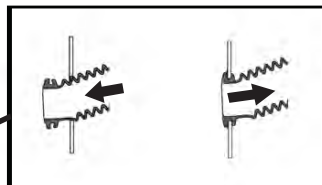
Seal any exposed gaps or holes on the front panel of the Ute bed with sealant.



Install front drain pipes (55mm diameter end of hose) through pre-drilled holes on the front tub panel.



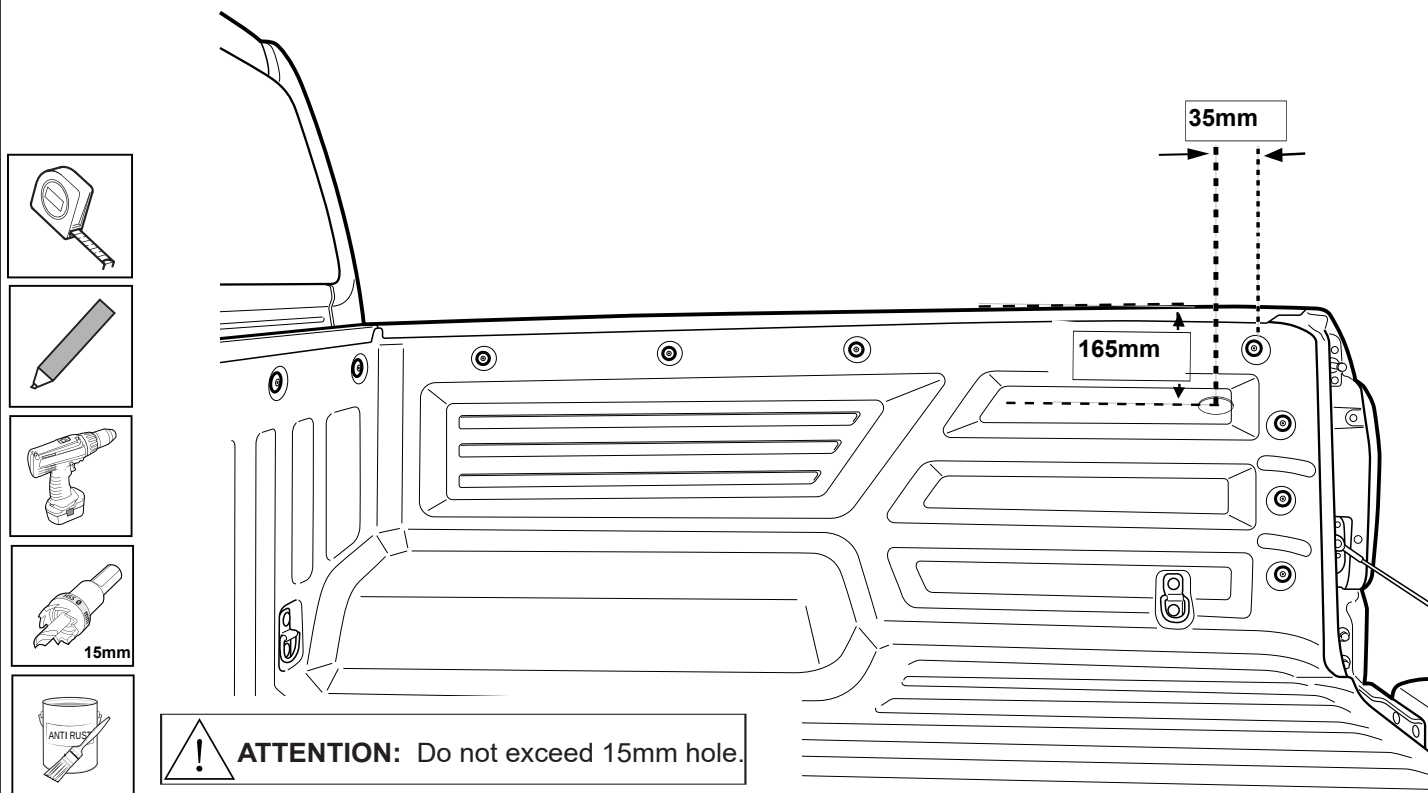
Note: With care push tube in.
Taking care pull the tube back so it seals
correctly against the front panel of the tub.



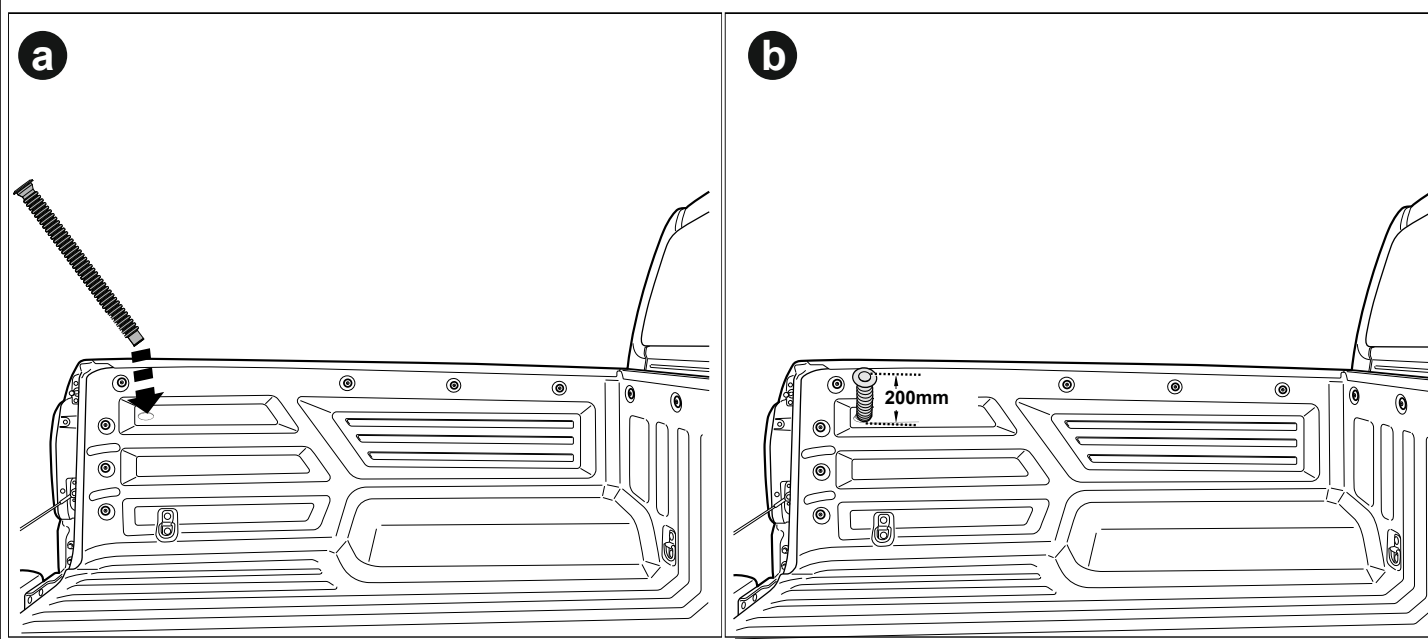
Measure 35mm from the center of the indicated factory body clip towards the front of the tub. Measure down 165mm from the top edge of the tub as directed and make a mark.

Use a 15mm hole-saw to drill through the tub liner only, and file away any sharp edges.

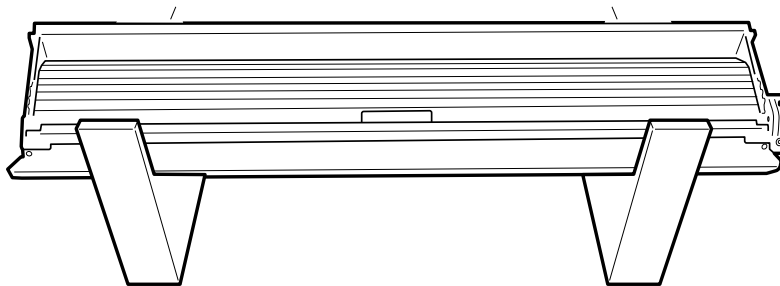
Repeat the same steps on the other side.



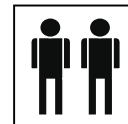
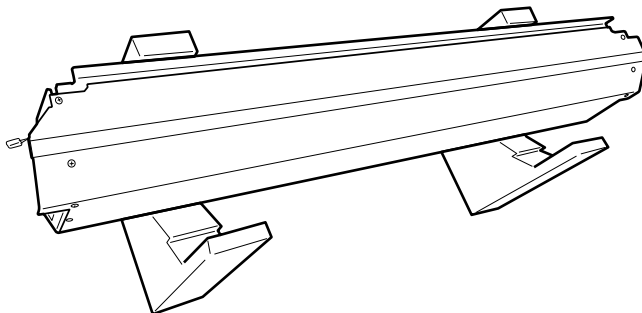
- a** In the specified orientation insert the rear drainage pipe into the previously drilled hole.
- b** Leaving 200mm of the pipe hanging out.



keep the cannister in the foam blocks from the packaging for assembly.

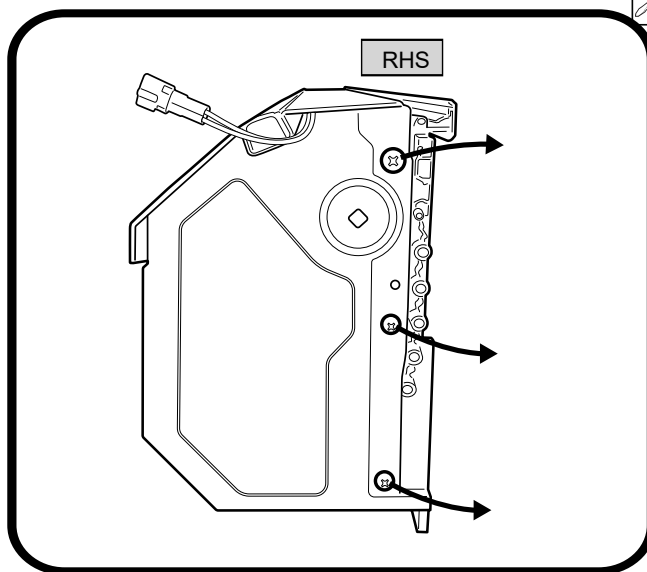
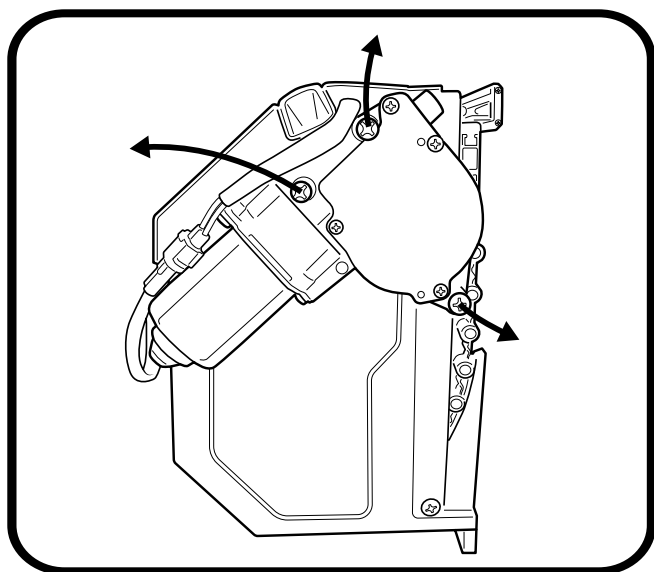


With assistance turn the canister on its back on the foam blocks.

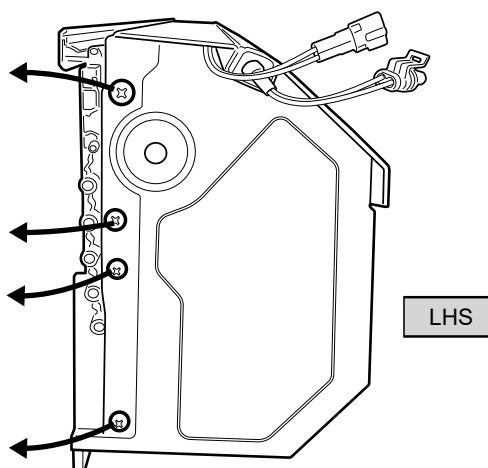
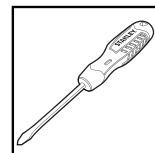


Disengage motor from the axle by unfastening the 3 Screws as indicated. Retain all parts.

Remove and retain the 3 screw from the canister as indicated.

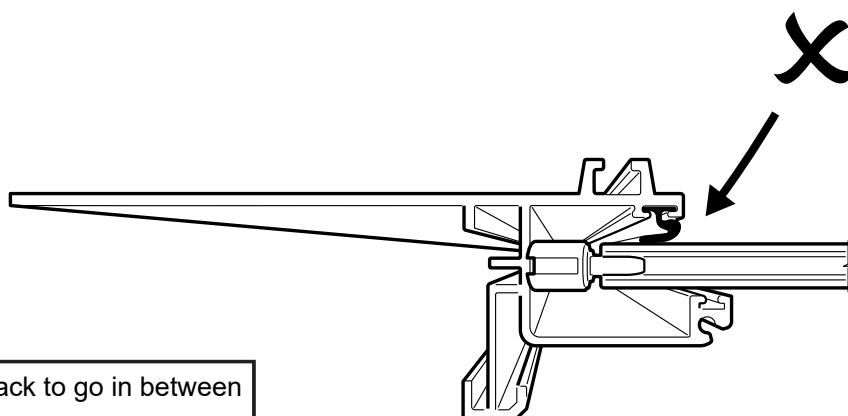
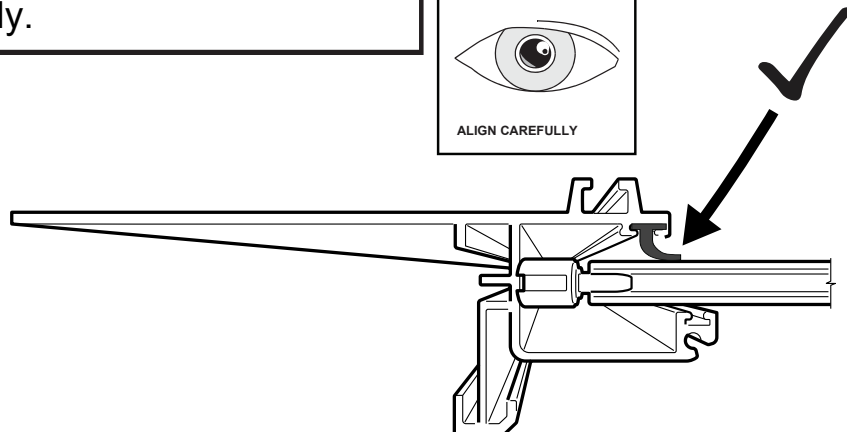
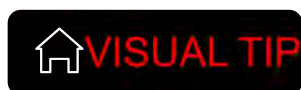
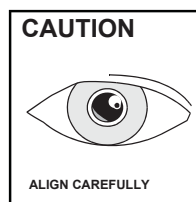


Now on the other side, remove and retain the 4 screws from the canister as indicated.



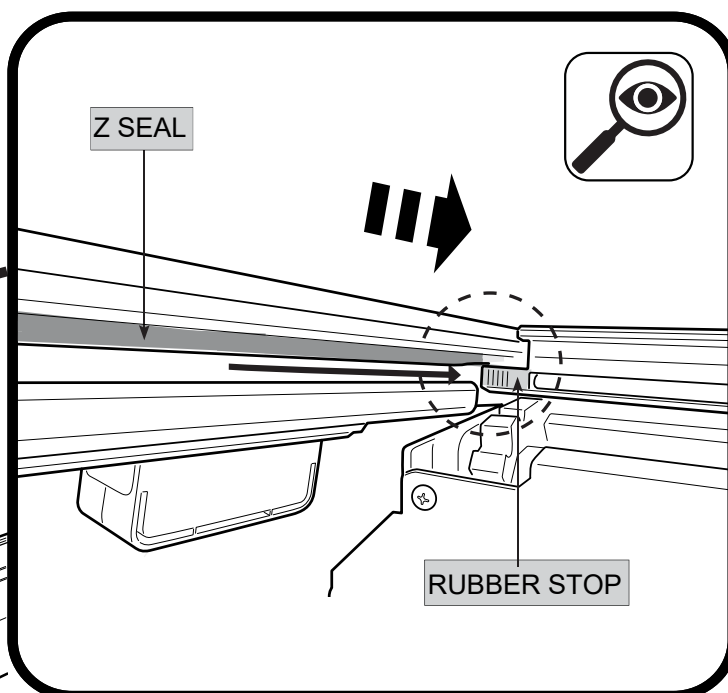
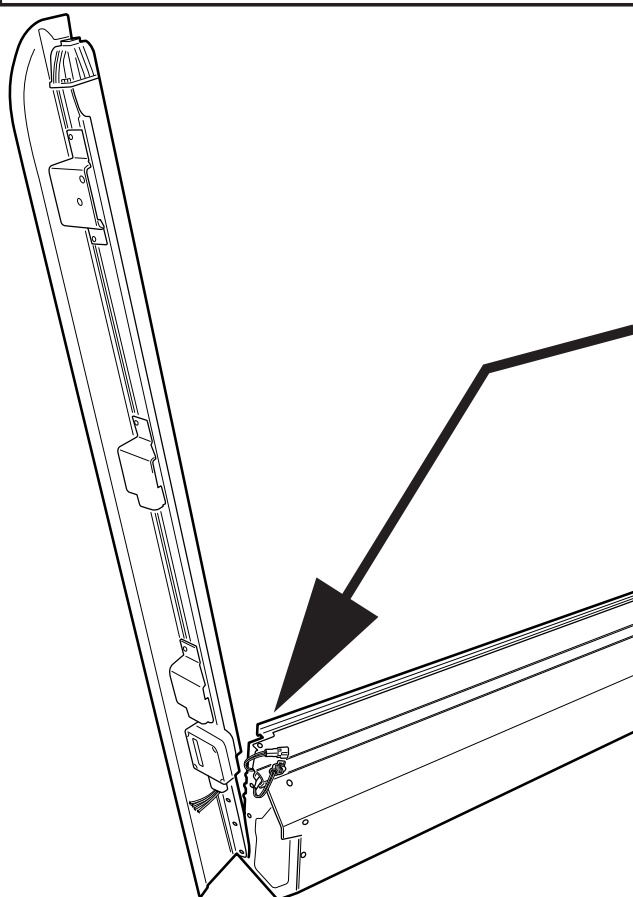


Important Note: Ensure that the Z seal within the track is positioned over the curtain and not folded inward. **WARRANTY** voided if assembled incorrectly.

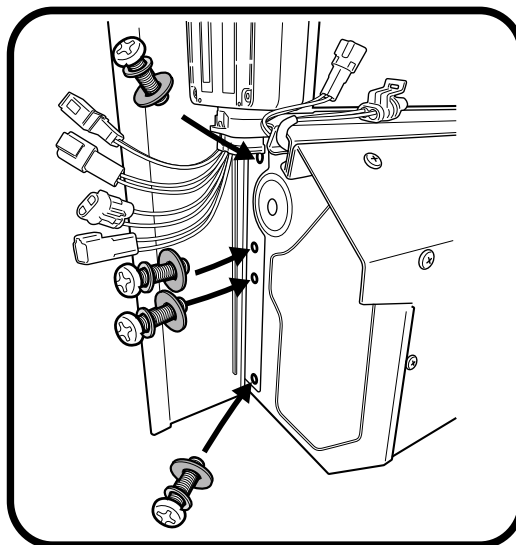
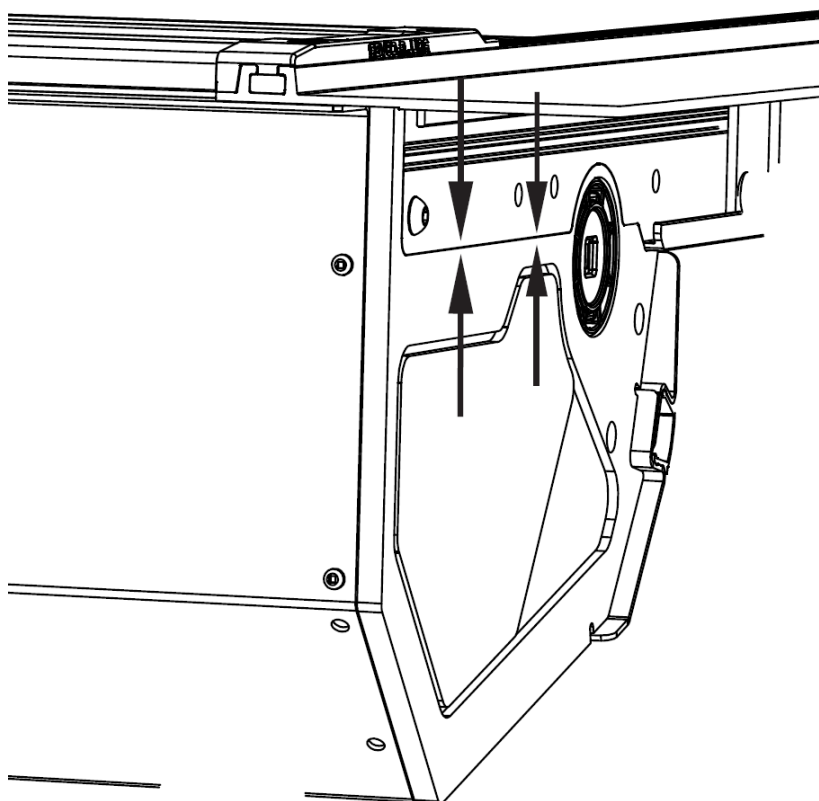
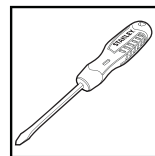


Align side rail to side of canister, guide the track to go in between the curtain end rubber stop.

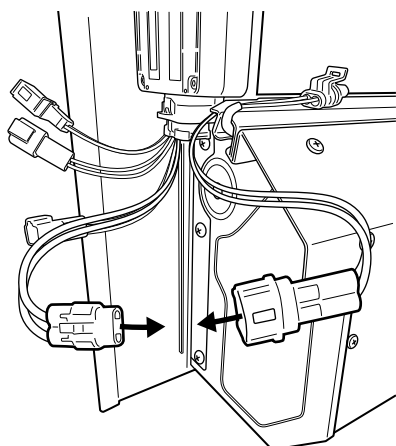
NOTE: LHS side rail to be assembled first.



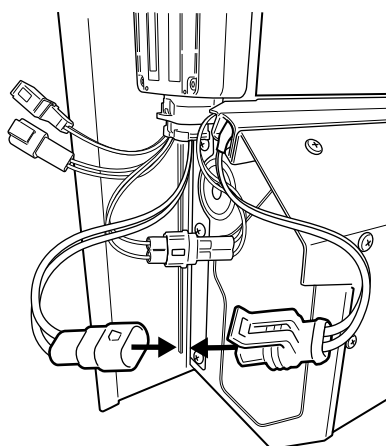
1. Using the retained screws, spring washer and washer, Loosely fasten the side rail to the location indicated.
2. Side rail edge must compress and meet with the canister profile as indicated below.
3. Fasten all screws tight.



Connect motor connector to receiver

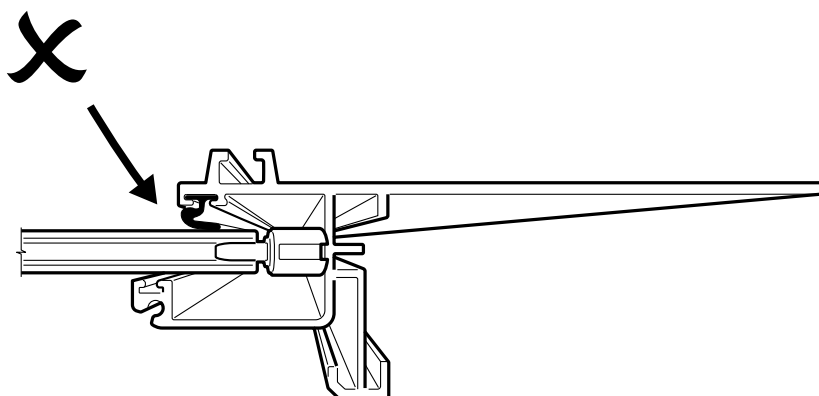
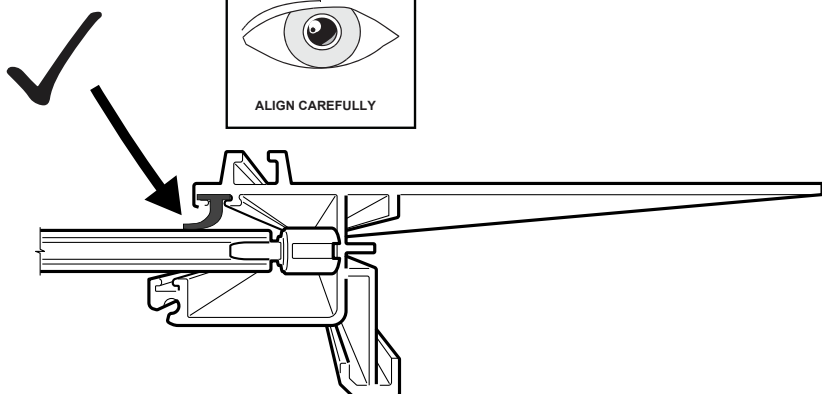
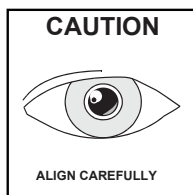


Connect LED Loom to receiver



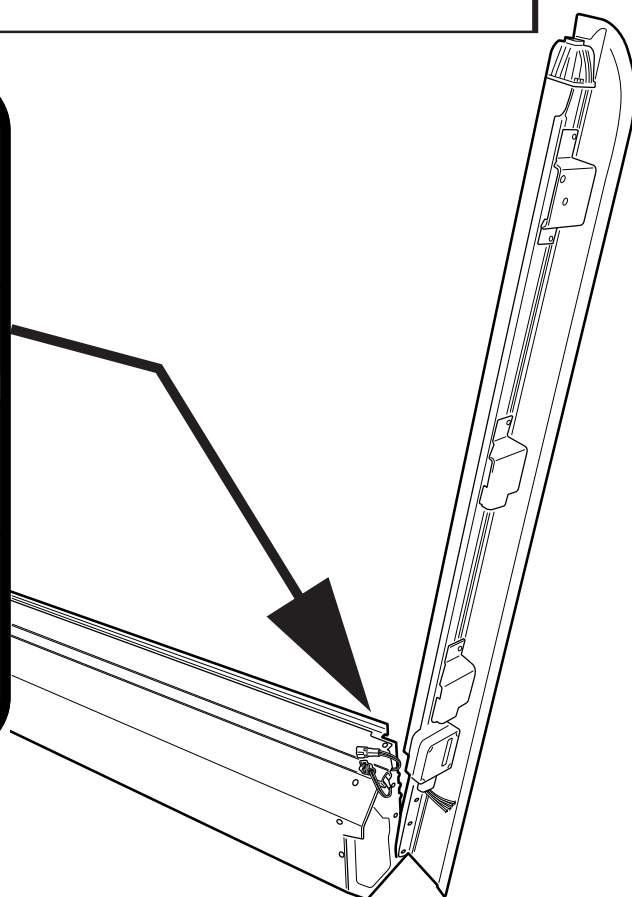
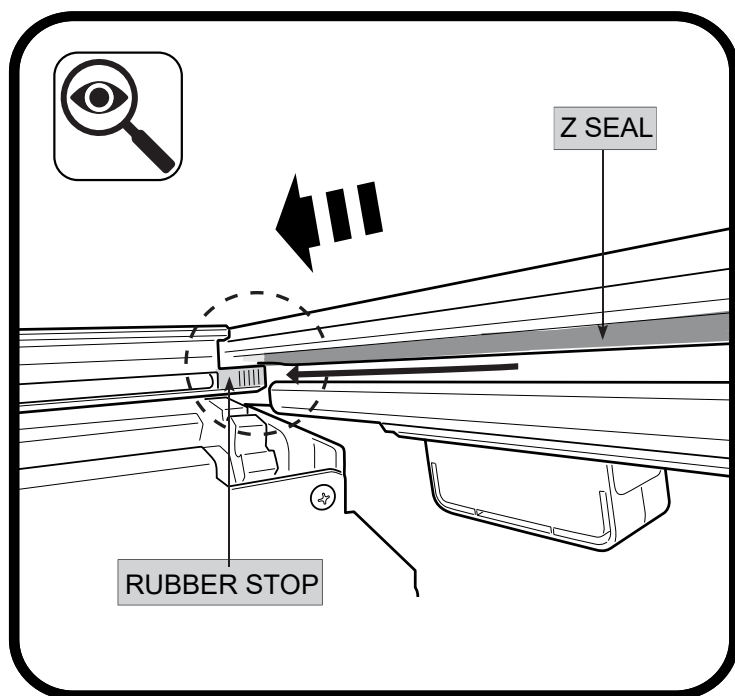


Important Note: Ensure that the Z seal within the track is positioned over the curtain and not folded inward. **WARRANTY** voided if assembled incorrectly.

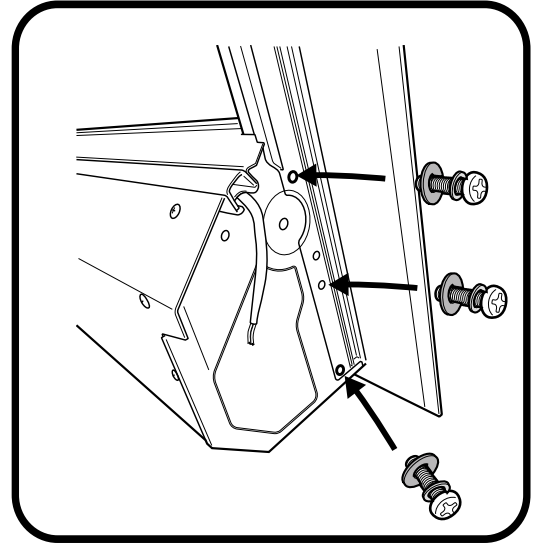
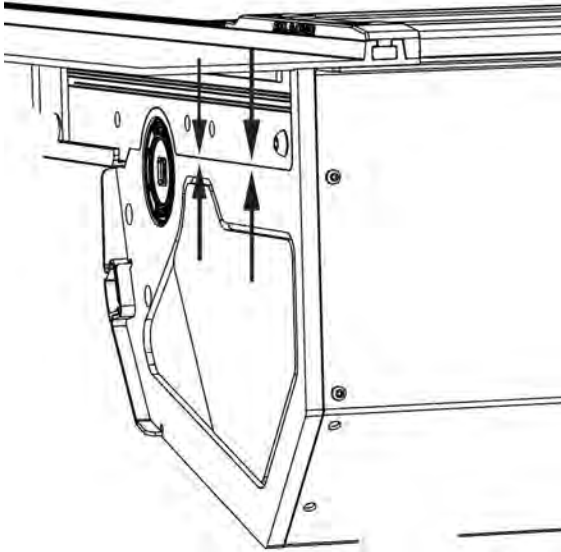
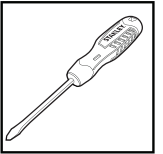


Align side rail to side of canister, guide the track to go in between the curtain end rubber stop.

NOTE: LHS side rail to be assembled first.

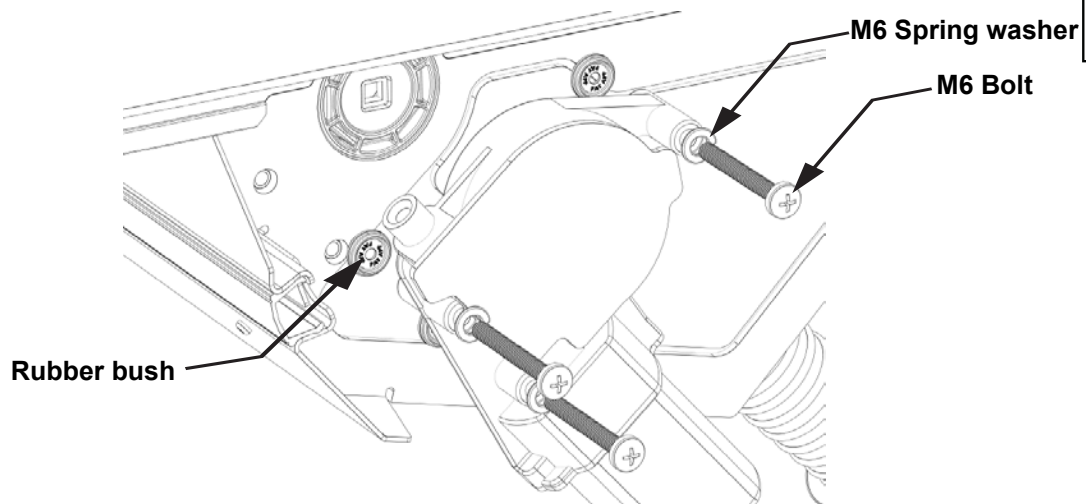


1. Using the retained screws, spring washer and washer, Loosely fasten the side rail to the location indicated.
2. Side rail edge must compress and meet with the canister profile as indicated below.
3. Fasten all screws tight.



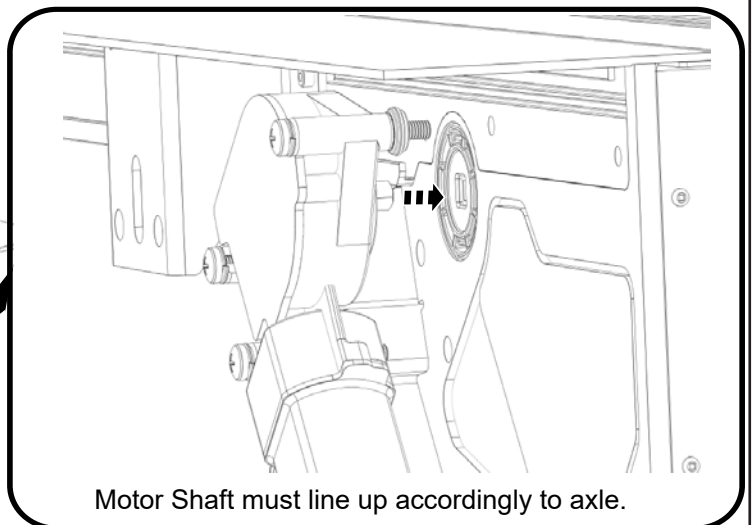
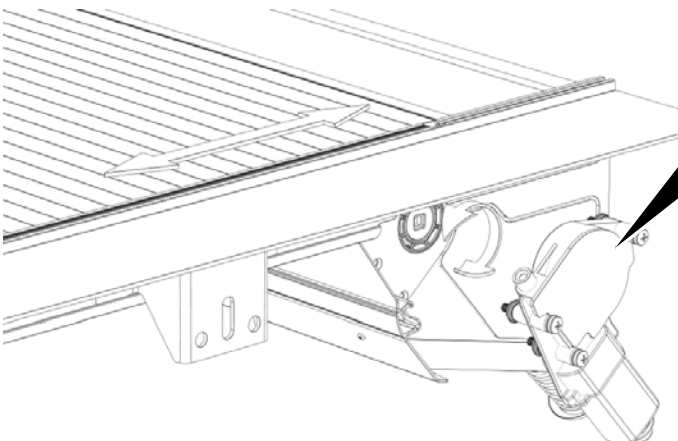
Feed M6 bolt through spring washer, motor and rubber bush.

NOTE: Rubber bush orientation has to be as per image. (side with text on rubber, to face the motor).



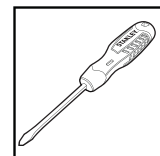
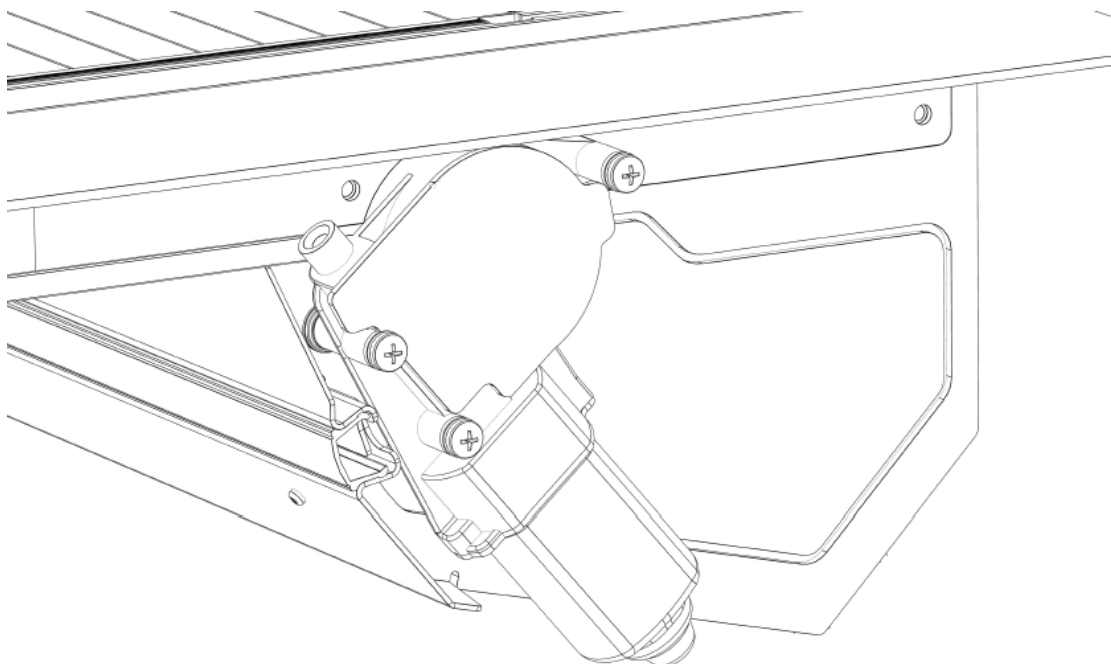
Align & insert motor shaft to axle.

NOTE: Pull / push curtain for axle to rotate.



Motor Shaft must line up accordingly to axle.

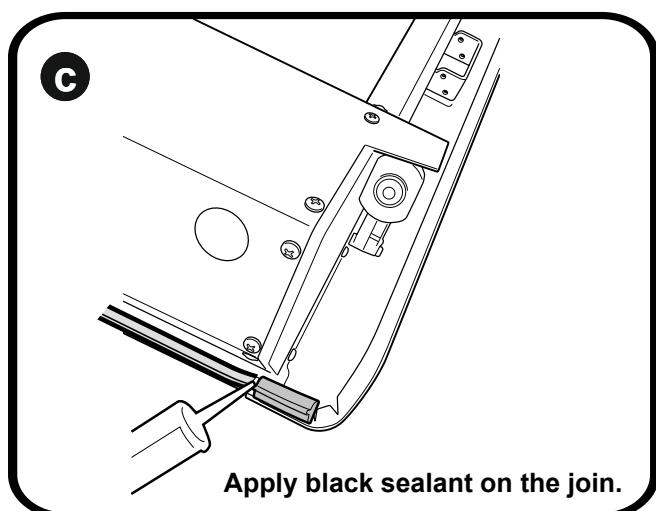
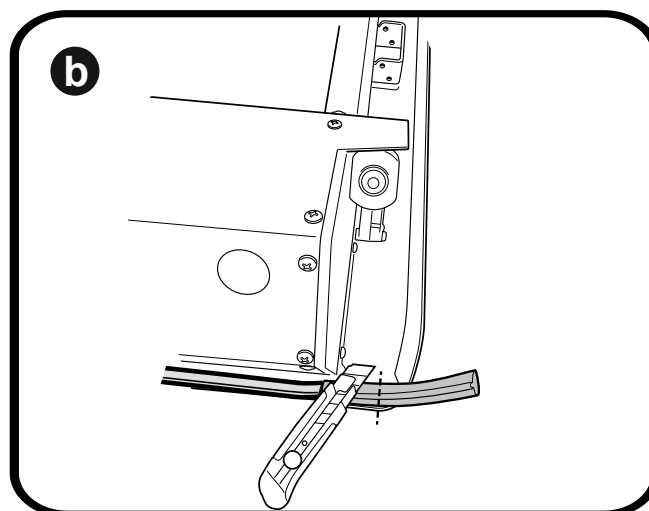
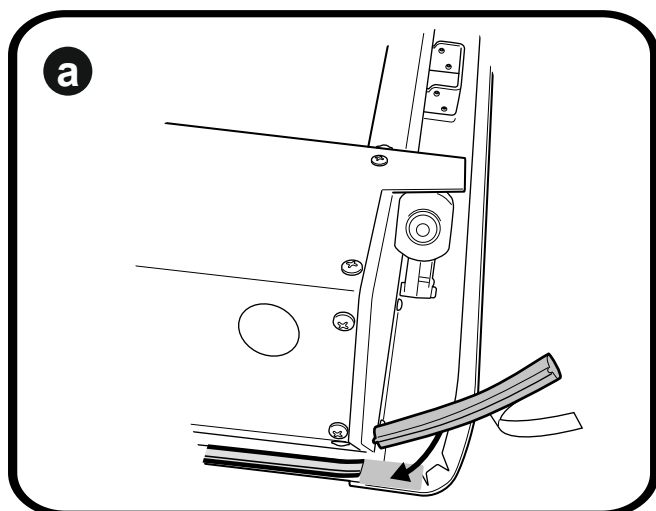
Fasten all 3 screws to 2nm torque. Over tensioning will cause operating issue's.



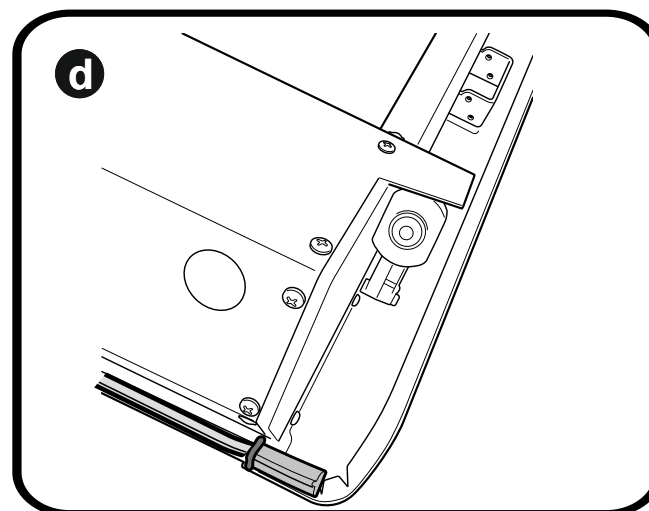
Motor is to sit level.

Any obstructions between motor and canister may cause operating issues.

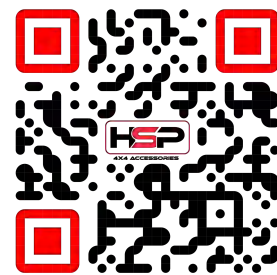
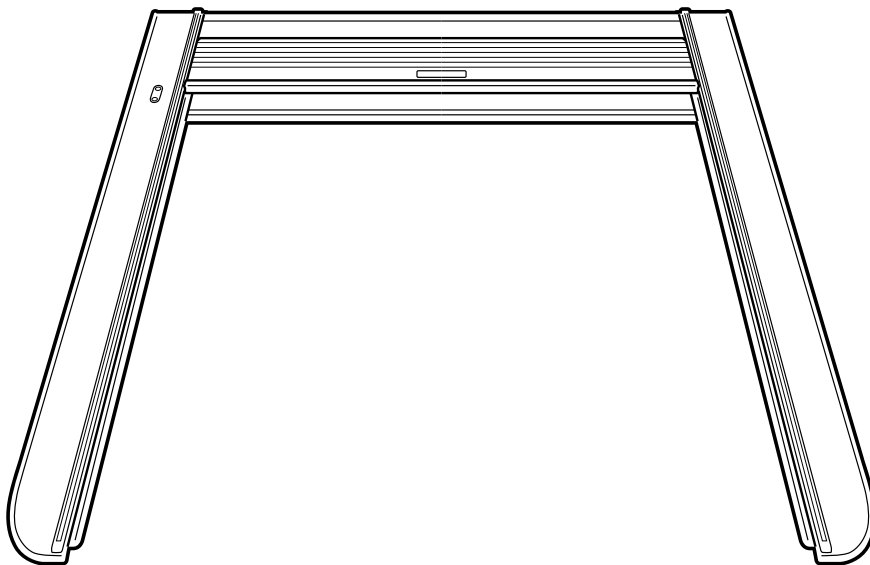
Apply D-sponge foam tape to side rail as indicated. NOTE: Join foam firmly to the per-fitted foam of the canister. Carefully trim excess off & discard as indicated. Repeat on the other side.



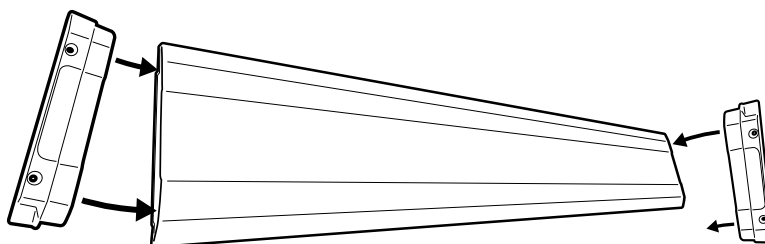
Apply black sealant on the join.



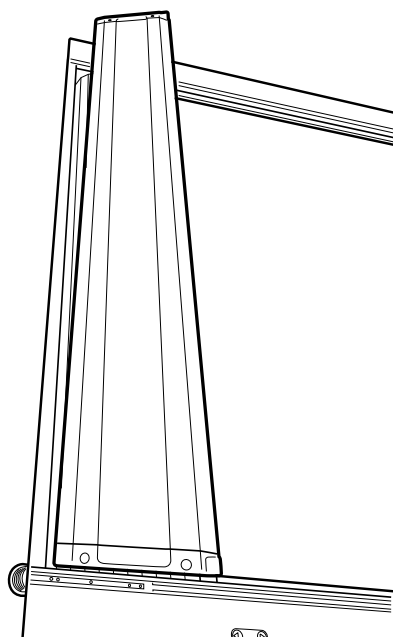
Carefully bring down the assembled unit.
If side seal on the side rails has moved, carefully bring back into position.



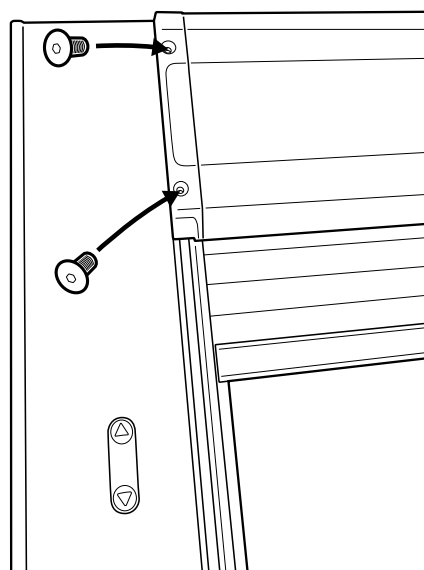
Insert side end caps to the top cover.



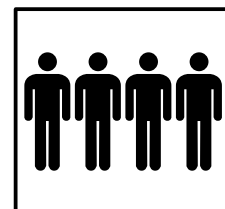
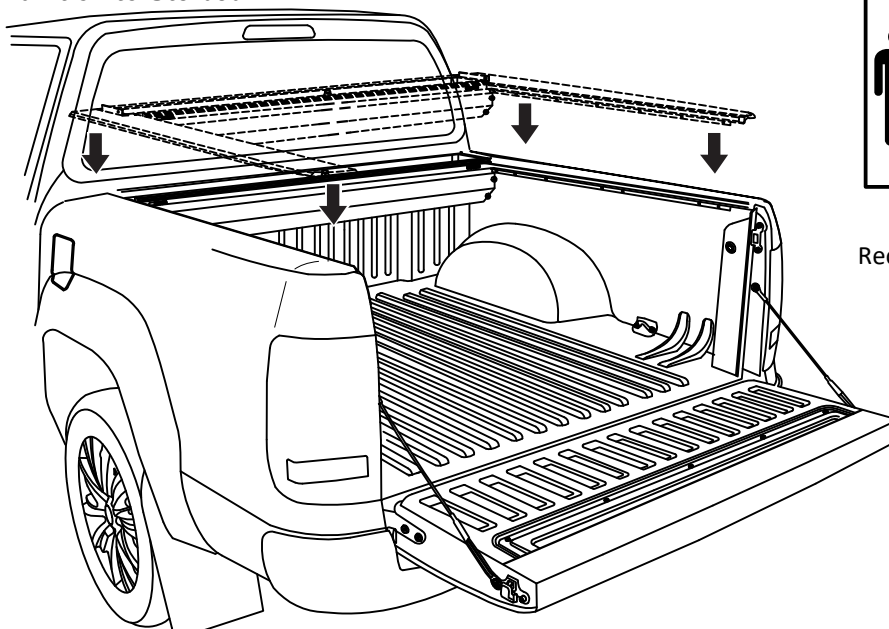
Place & Align top cover over the
canister and side rails.



Using countersunk screws provided, line up end cap
holes to the threads on the side rail.
Fasten to 3nm torque. Repeat to the other side.

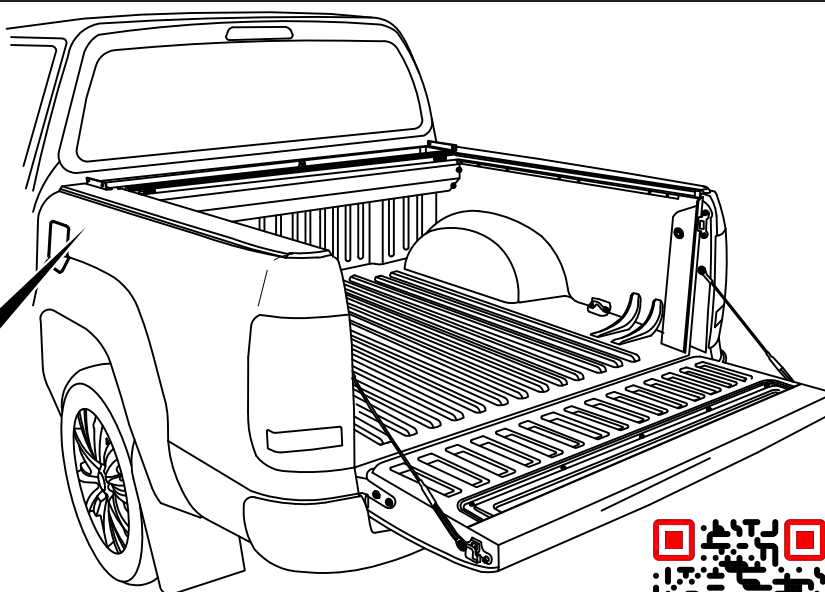
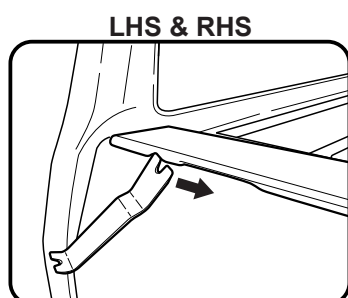


Place the Roll-R-Cover unit on to Ute bed.



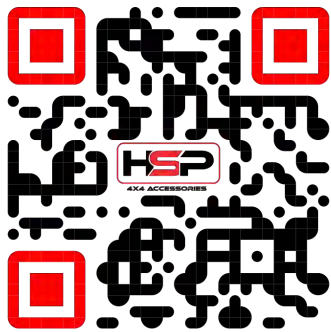
4 People
Recommended for lift

With care, pull out any side rubber
that has folded under the side rail.

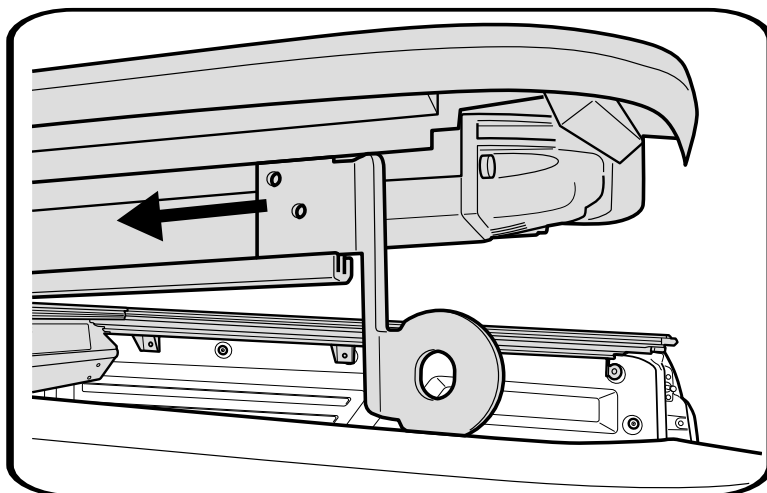
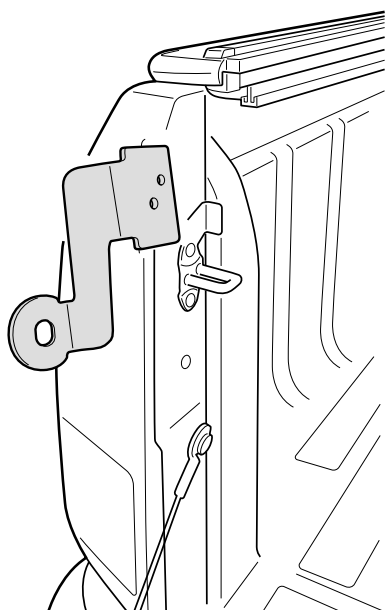
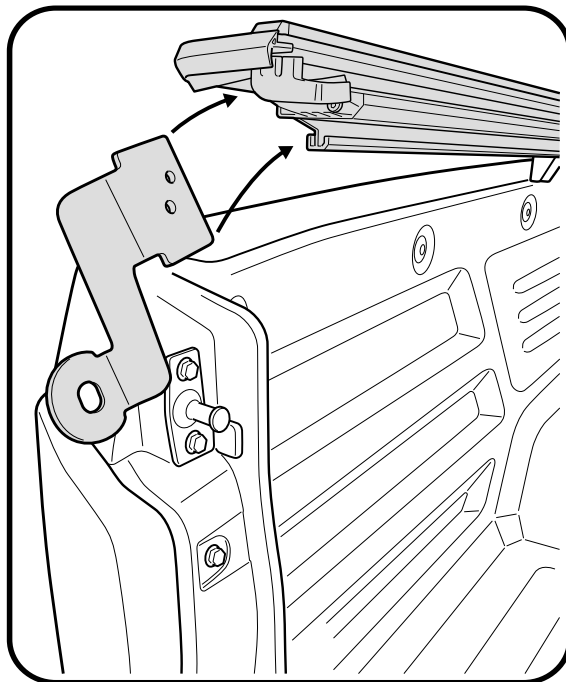


 VISUAL TIP

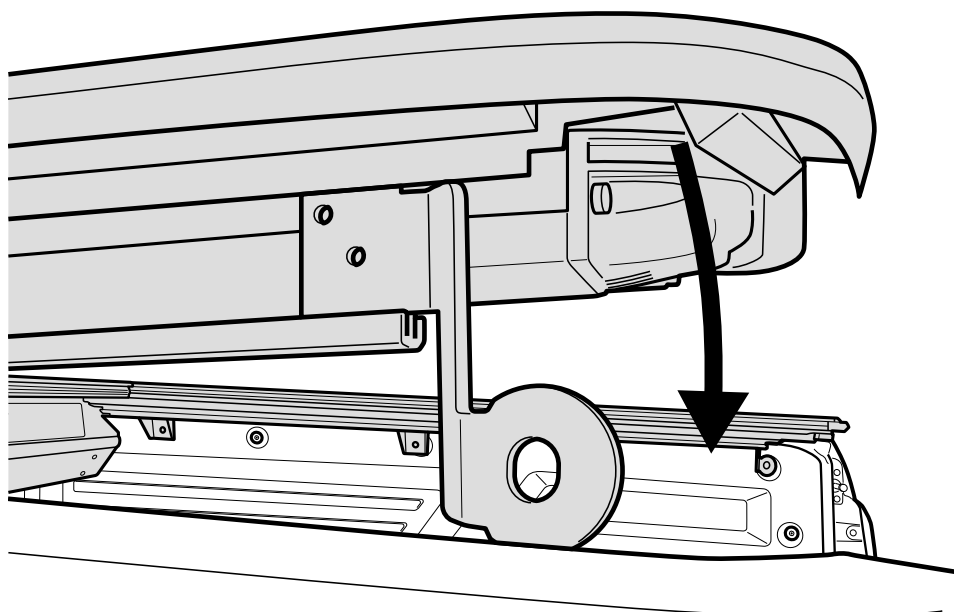
Passenger side: As indicated slide (S3.0-DC-AE-003 LH) rear Bracket into the channel of the side rail and push forward. **It is strongly recommended to scan the QR code and watch this step.** Repeat to the other side using S3.0-DC-AE-003 RH Bracket.



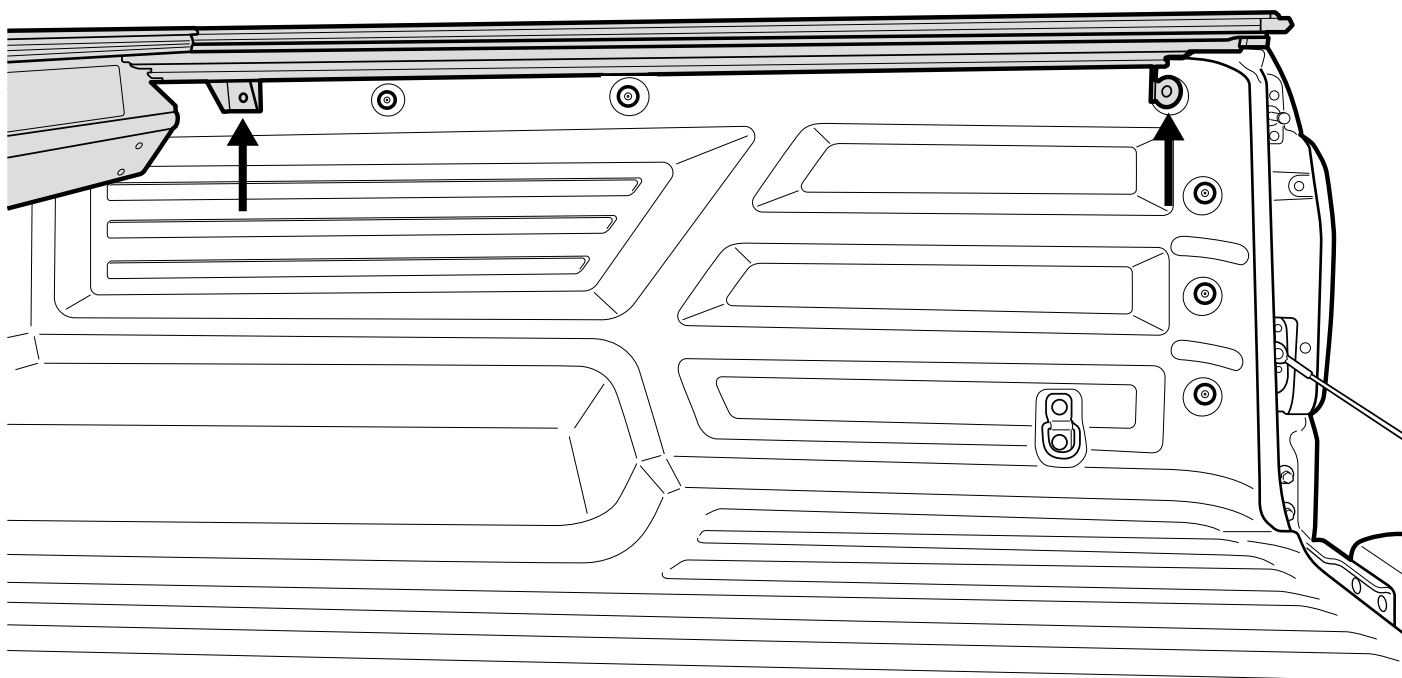
 **VISUAL TIP**



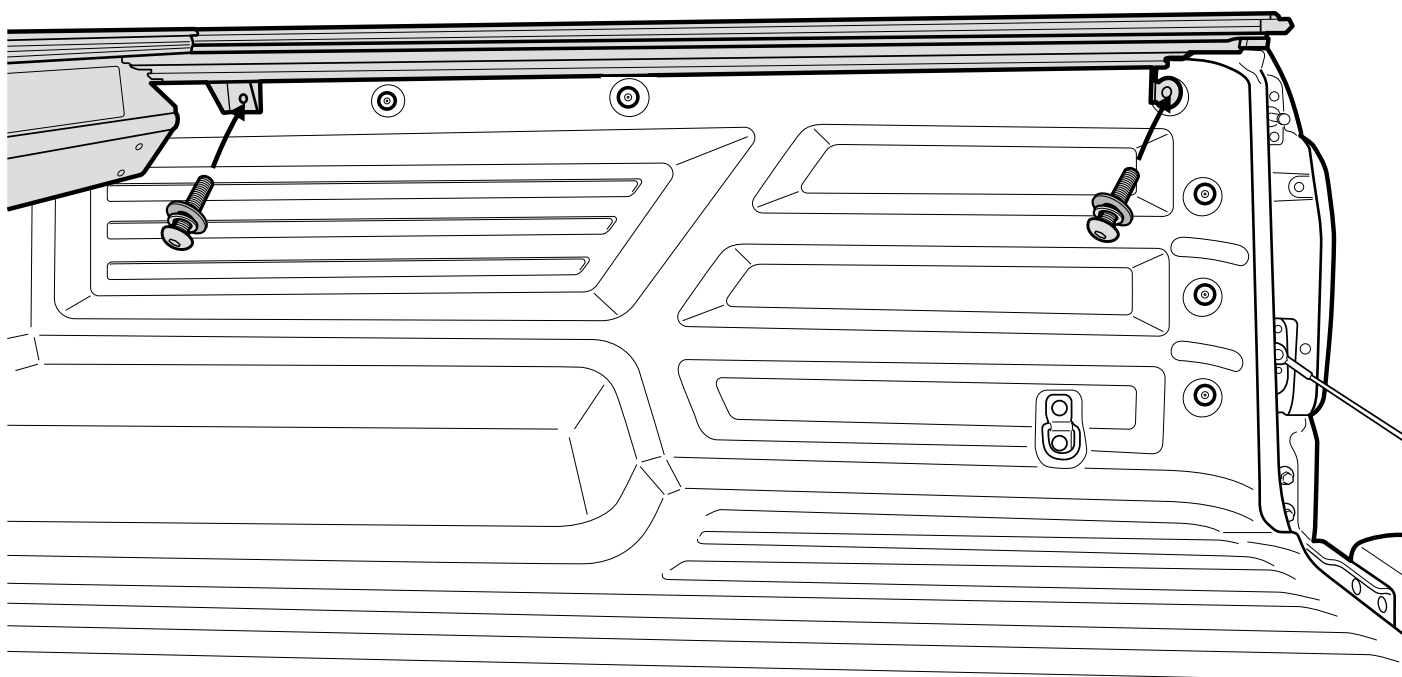
With care bring the side rail down onto the tub.



Align the hole of the brackets to the threads of the bracket on the tub.



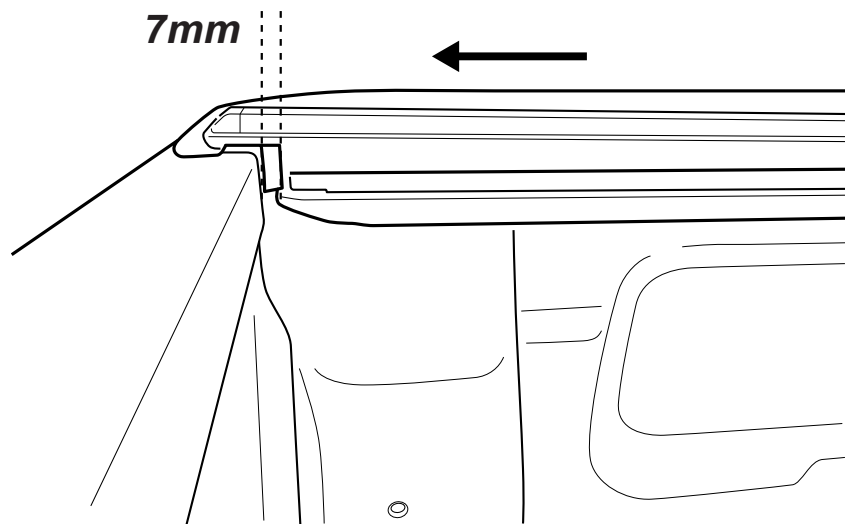
Fasten brackets loosely into position using M8 washer, M8 spring washer and M8 x 25mm bolt.



With the tailgate up (Closed position), Pull left & right hand side rails towards the tailgate, stopping short by 7mm between tailgate and side-rail end-cap. Repeat to other side.



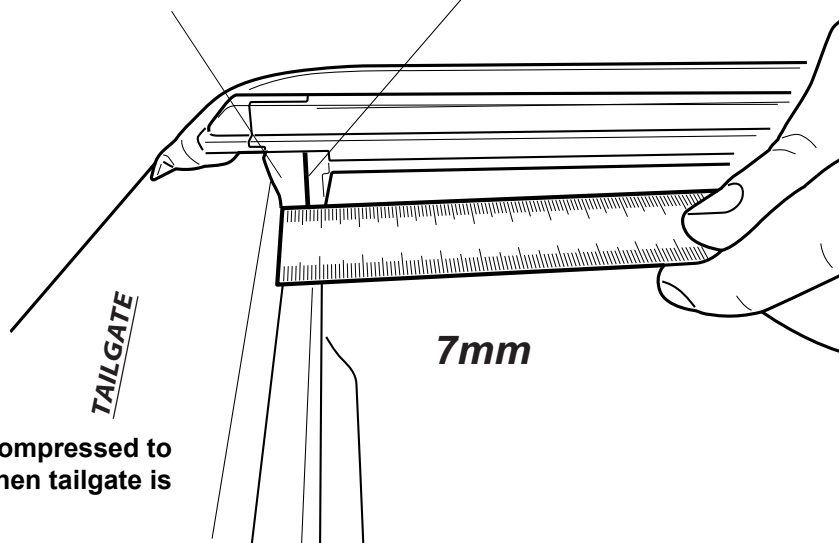
Foam compressed to 7mm when tailgate is closed.



Gap between tailgate and side-rail end cap to be 7mm.

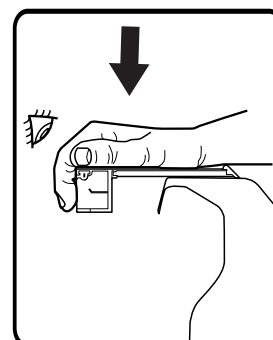
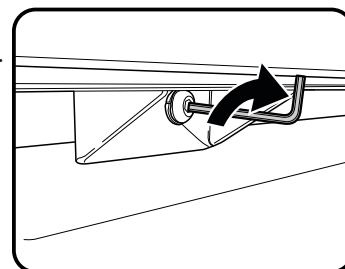
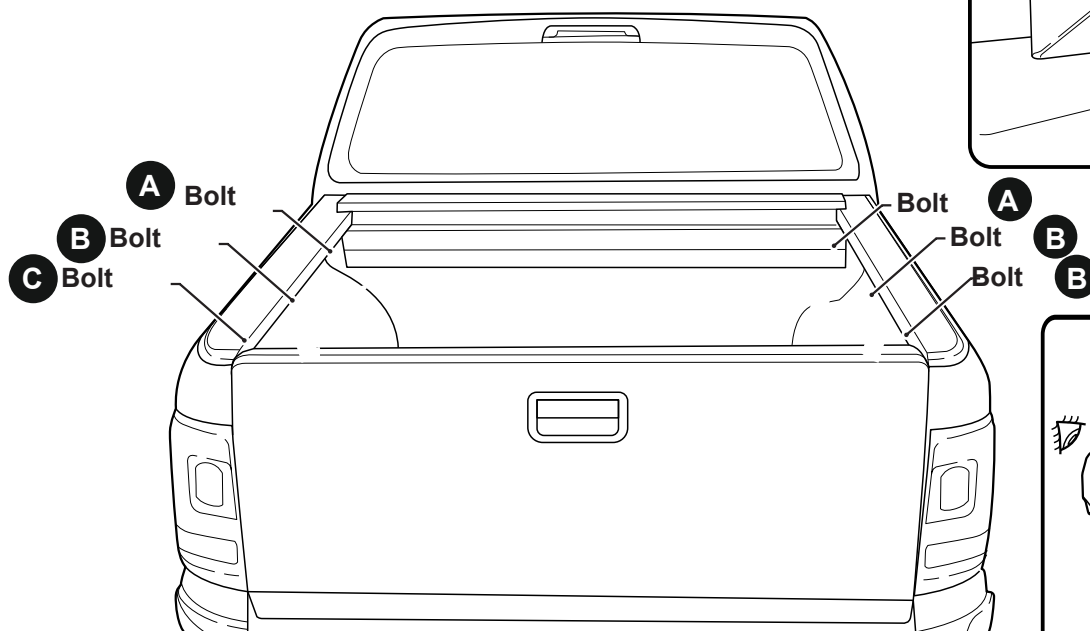
Foam seal

Side rail end cap



Foam compressed to 7mm when tailgate is closed.

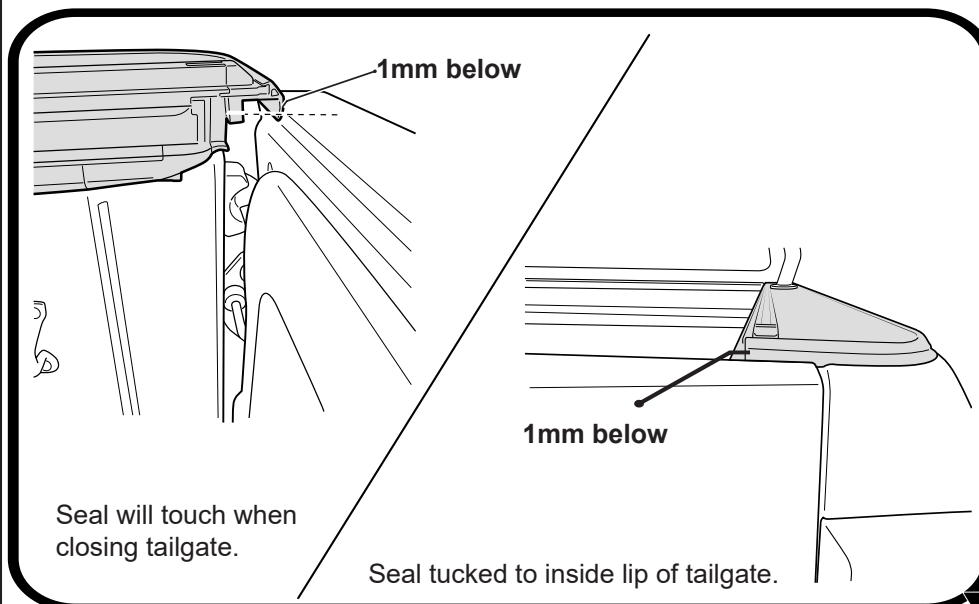
1. Apply slight downward pressure on side rails.
2. Securely fasten the M8 bolts in the specified order (A), (B) and then (C) to a torque of 8Nm.



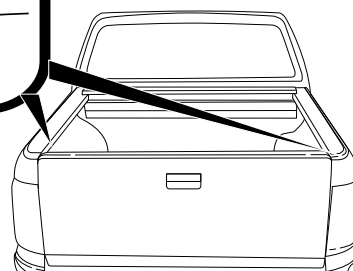
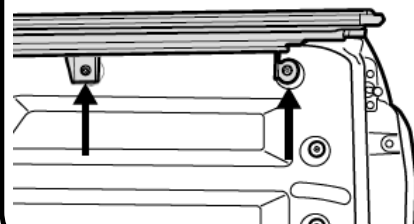
Side rail rubber to sit 1mm below from the top of the tailgate in the closed position. It is strongly recommended to scan the QR code and watch this step.



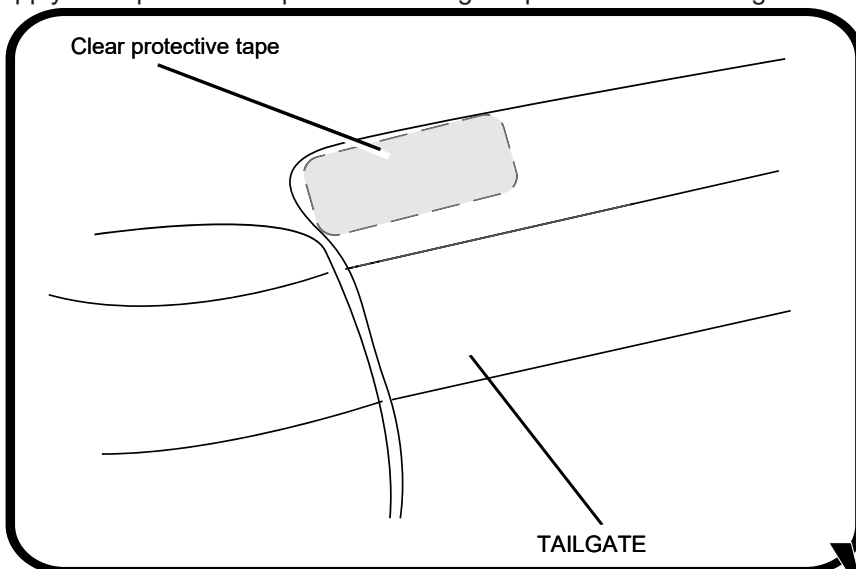
 **VISUAL TIP**



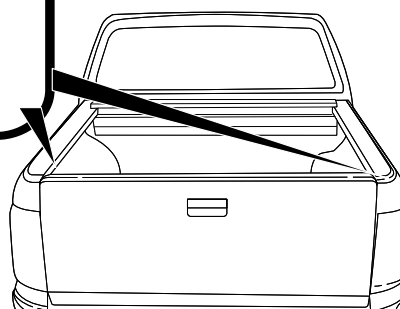
If required M8 button head bolts can be loosened to push the side rails further down or lift up. Fasten bolt to 8Nm torque.



1. Clean area with non oil based cleaner, ie alcohol wipe.
2. Apply clear protective tape to left and right top corners of the tailgate as indicated.



 **VISUAL TIP**



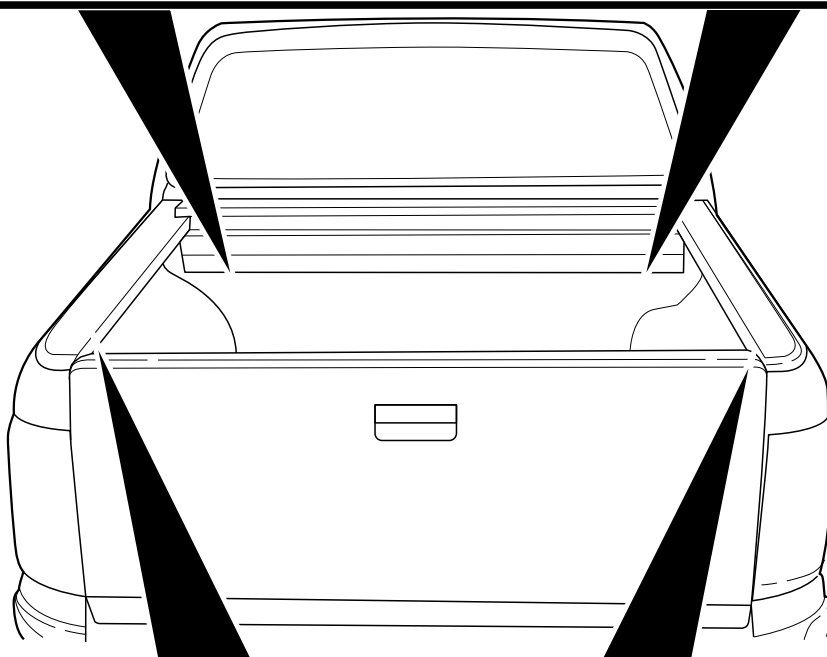
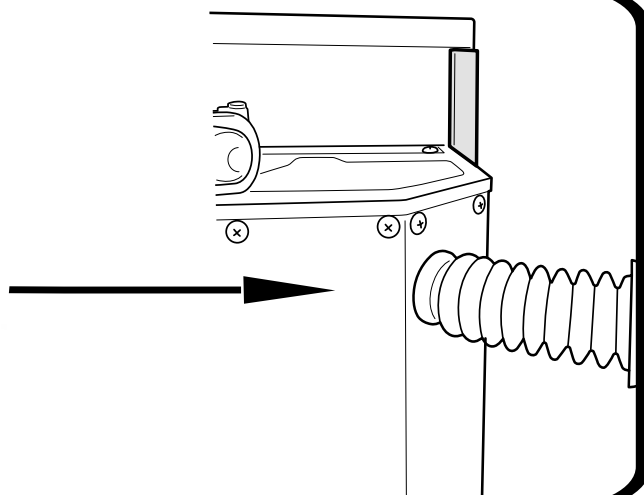
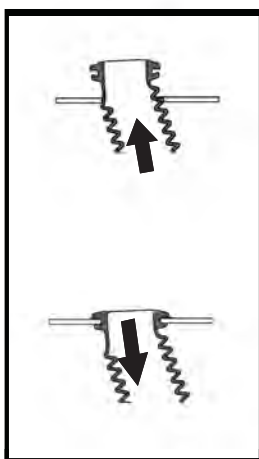
Install front drain pipes through pre-drilled holes of the canister. (RHS/LHS)



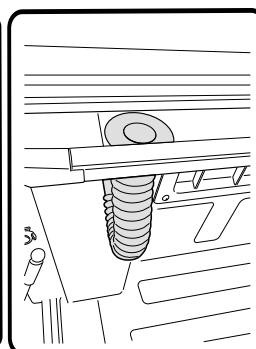
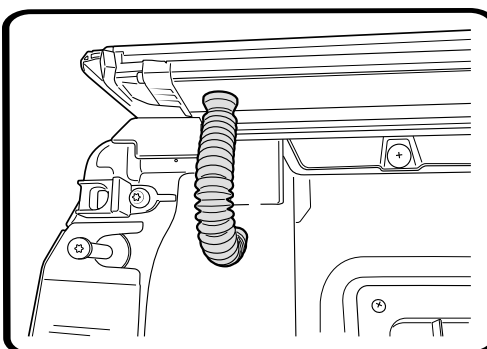
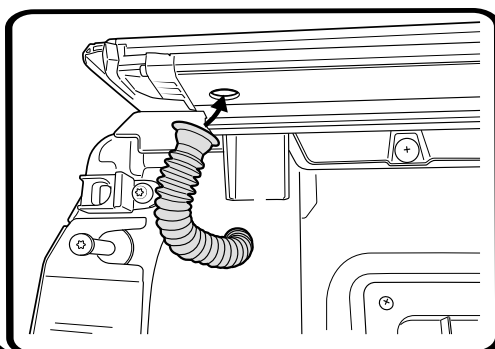
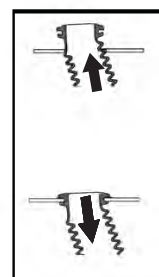
Note: With care push tube in. Gently pull the tube back so it seals correctly against the front panel of the tub.



VISUAL TIP



Note: With care push rear pipe in. Gently pull the pipe back so it seals correctly within the side rail channel.

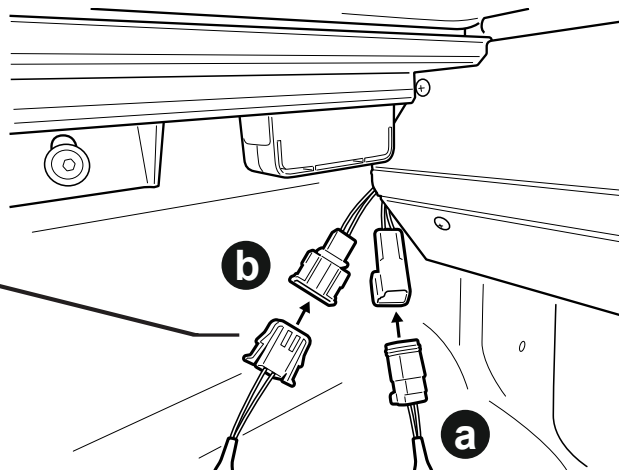


Install rear drain pipes through pre-drilled holes of the siderails. (RHS/LHS)

- a. Connect Battery loom S2.75 to Receiver loom.
- b. **Carefully** connect CI-Loom-short to Receiver loom.



Align connectors carefully to avoid pushing pins out.



NOTE: 1. To wear in the Roll R Cover please fully open & close the cover approximately 15 times after install is complete.

2. Set your vehicle locking system to unlock all doors with one press of the factory remote unlock button. This setting can be found in your vehicle settings.

Operating instructions:

Press unlock on vehicle key fob to activate controller.

When vehicle is unlocked the side rail sensor buttons will be active to control.

When vehicle is locked the side rail sensor buttons will be inactive.

Using factory key fob to operate:

Pressing unlock twice on the factory key fob within 4 seconds, will activate the roll r cover to open.

Pressing lock twice on the factory key fob within 4 seconds, will activate the roll r cover to close.

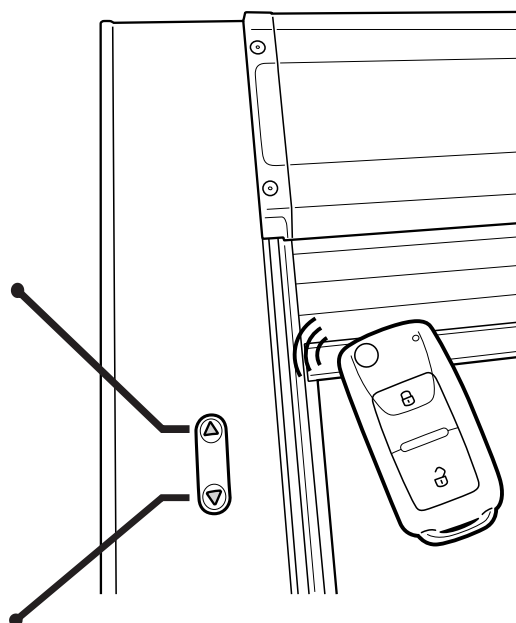


Vehicle proximity:

Tapping the proximity twice to open or lock the car door will act exactly the same way as the key fob being pressed twice.

Touch & let go to open, touch & let go again to pause.

Touch & let go to close, touch & let go again to pause.



Trouble shooting visual tips:

side rail Parallel test

