

Vehicle: 2023 Toyota Hilux
 Product: Rolla Top
 Part No: HILGD6 DC RC V1 B

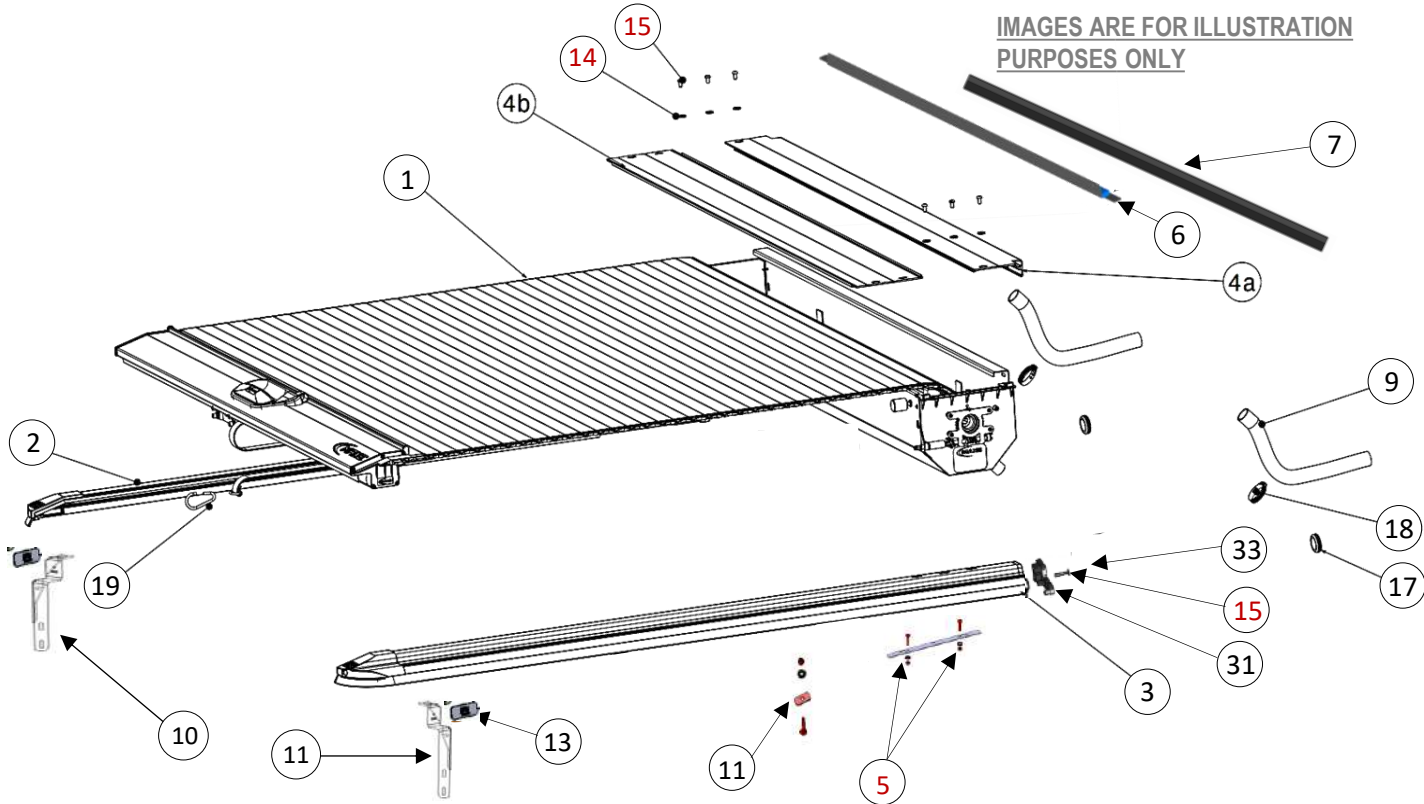
Rev No: 003 Date: 21-10-2024 Doc No: FI000655 Rev3



VERY IMPORTANT
 PLEASE READ THESE INSTRUCTIONS CAREFULLY
 BEFORE COMMENCING WITH FITMENT

TORQUE SETTINGS: M5 = 5 Nm M6 = 9 Nm M8 = 22 Nm M10 = 42 Nm M12 = 73 Nm M16 = 178 Nm

IMAGES ARE FOR ILLUSTRATION PURPOSES ONLY



ASSEMBLY CONTENT

- 1 1x - AS03520 - COLLECTION CYLINDER UNIT
- 2 1x - AS03204 - SIDE RAIL LH 1510mm
- 3 1x - AS03192 - SIDE RAIL RH 1510mm
- 4 1x - AS03238 - LID ASSEMBLY 1415mm
- 4a 1x - PE00084 - LID EXTRUSION FRONT
- 4b 1x - PE00090 - LID EXTRUSION BACK
- 5 1x - AF00266 - SIDE RAIL ASSEMBLY FASTENER SET
- 6 1x - AS03791 - TOYOTA LONG FRONT BRACKET
- 7 1x - XM0920 - FOAM STRIP - 30mmX30mmX1600mm
- 8 1x - FK00655 - FITTING KIT - HILUX

FASTENERS (FS00528 REV1)

- 14 6x - RM00347 - M6x16x1.6 FLAT WASHER
- 15 6x - RM00484 - M6x12 BUTTON HEAD CAP SCREW
- 16 2x - RM00650 - M5x30 COUNTERSUNK SET SCREW

FASTENERS (FS00533 REV1)

- 20 4x - RM00302 - M6x20 HEX HEAD SCREW
- 21 6x - RM00122 - M8x25 HEX HEAD SCREW
- 22 4x - RM00107 - M6x20x1.6 FLAT WASHER
- 23 8x - RM00605 - M8x25x1.6 FLAT WASHER
- 24 4x - RM00138 - M6 SPRING WASHER
- 25 2x - RM00106 - M6 NYLON LOCK NUT
- 26 6x - RM00113 - M8 SPRING WASHER
- 27 2x - RM00286 - M6 x 16 x 1.6 FLAT WASHER
- 28 2x - RM00285 - M6 RIV-NUT (BLACK)
- 29 2x - RM00741 - M6x25 CUP SQUARE
- 30 2x - RM00115 - M8 NYLOCK NUT

FASTENERS (FS00551 REV1)

- 17 2x - XM0772 - DIAPHRAGM GROMMET
- 18 2x - XM0769 - HOSE CLAMP
- 19 1x - XM0768 - CARABINER

CONTENTS (FK00729 REV5)

- 9 2x - PG00242 - CLEAR PVC TUBE
- 10 1x - PS06447 - LH REAR BRACKET
- 11 1x - PS06448 - RH REAR BRACKET
- 12 2x - PS06993 - M6 NUT PLATE
- 13 2x - AS01501 REV1 - BASE PLATE SPREADER PLATE
- 31 1x - PP00492 - RAIL END CAP RH
- 32 1x - PP00493 - RAIL END CAP LH
- 33 2x - PP00495 - END CAP PLUG
- 34 1x - XM0958 - KITTING BOX (900mm X110mm X60mm)
- 35 1x - XM0892 - ZIP LOCK BAG (40mm x 60mm)
- 36 1x - **FI00655 REV3 - FITTING INSTRUCTION**
- 37 1x - FS00528 REV1 - FASTENER SET
- 38 1x - FS00533 REV1 - FASTENER SET
- 39 1x - FS00551 REV1 - FASTENER SET

TOOLS REQUIRED

- Stanley knife / scissors
- 10mm & 13mm spanner
- 4mm / 5mm / 6mm Allen key sockets
- Torque set
- Riv nut installer gun
- Drill & 32.0mm hole saw & 9,0mm drill bit
- Loctite 243
- Socket set
- Tape measure

PACKER: _____

DATE: [D] [M] [Y]

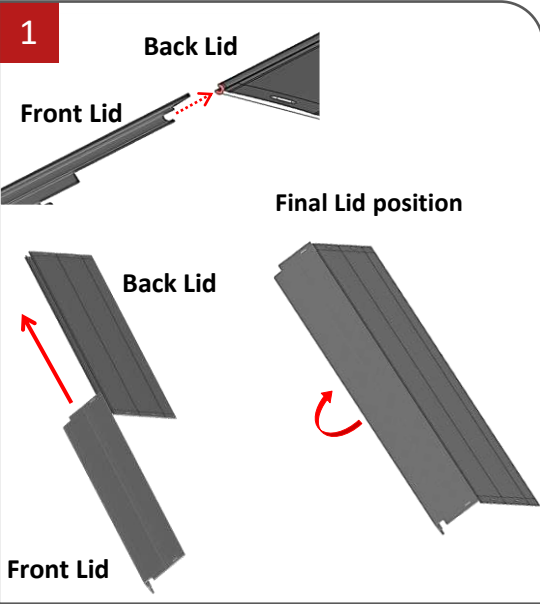


Figure 1

- Unpack the Rollatop kit and check that contents have been correctly supplied.
- Align the front lid and back lid to along the two pieces to interlock. Slide the front lid along the back lid until it is flush with the opposite side.
- Rotate the front lid until it locks into place with the back lid and both lids are flat.

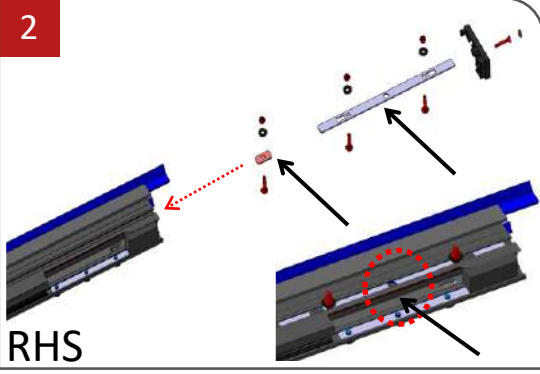


Figure 2

- Locate & assemble the M6x25 CUP SQUARE bolts with the square holes in the plates before sliding them into the slot on the underside of the side rail.
- Insert PS06993 (short) first followed by PS06994 (Long)
- Slide the canister locking plate so the centre hole aligns with the cut-out round notch on the underside of the Aluminium profile.

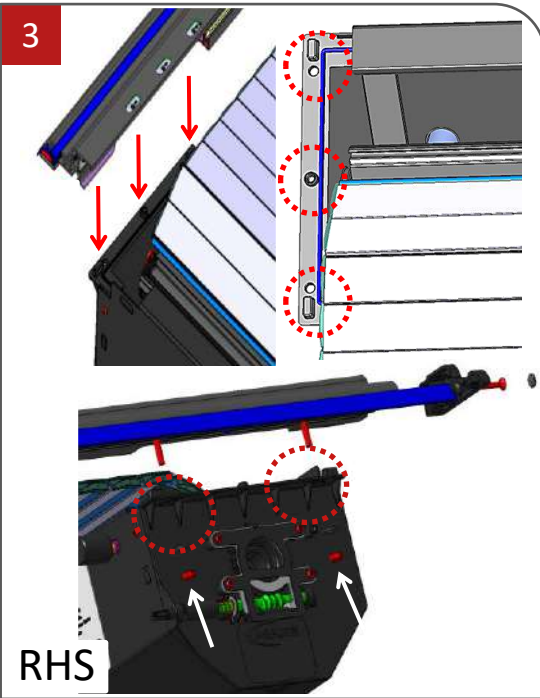
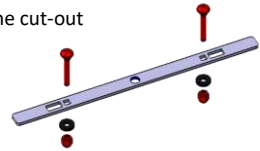


Figure 3

- Locate the 3 mounting points on the RHS of the canister.
- Feed the Slats and the Lock housing into the Side rail channel.
- Position the RH Side rail above the canister where the canister locking plate aligns with the 3 canister mounting points.
- Secure the Side rail with two M6 lock nuts and washers.
- **Repeat Steps 2 & 3 on the LHS**

WARRANTY

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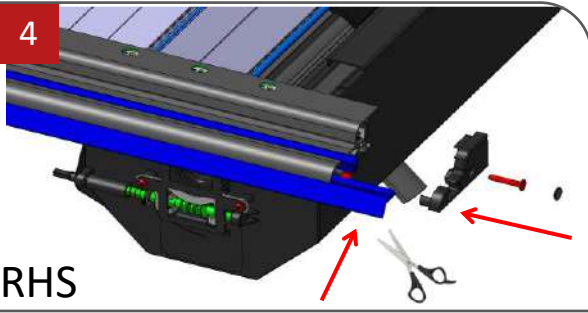


Figure 4

- **Trim off the excess sill rubber seal on the RH & LH Side rails.** (Trim so seal is 10mm longer than the aluminium)
- See Step 5 & 6 below.

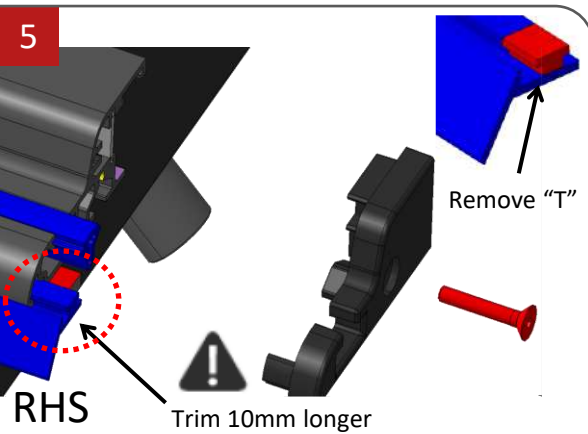


Figure 5

- **Trim off the excess sill rubber seal on the RH & LH Side rails.** (Trim so seal is 10mm longer than the aluminium)
- Next cut out the "T" section of the seal so that the Plastic cap fits into the Side rail.

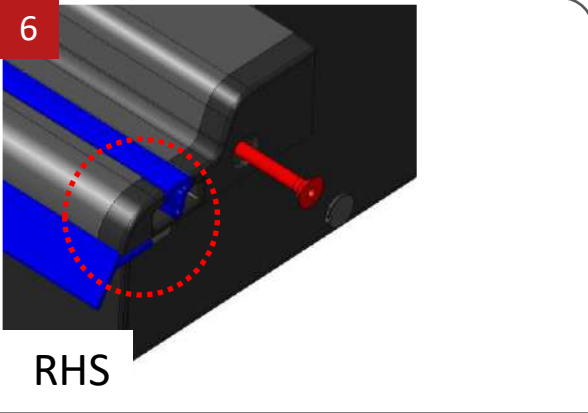


Figure 6

- Once the "T" sections have been cut out on the RH & LH Side rails, place the plastic end caps (PP00492 & PP00493) on making sure that the trimmed seals sit underneath the plastic end caps.
- This gives a nice seal all the way along the Side rail assembly.
- If additional trimming is required, do so before fitting to vehicle.
- Next use the counter sunk M5x30mm screws from **FS00528** and the small round plastic cap to cover the screw head.
- **Repeat Steps on the LHS**

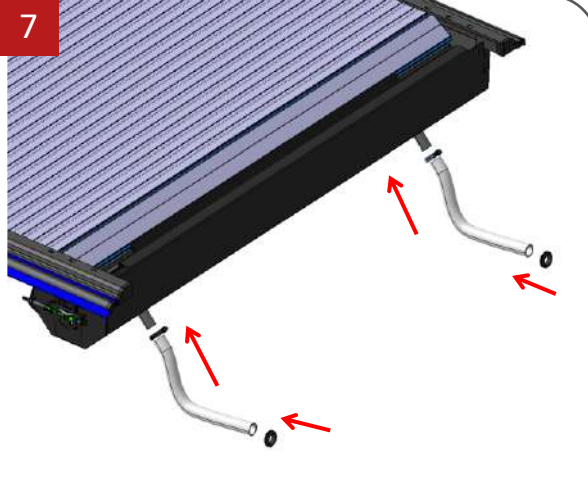


Figure 7

- Locate the two drainage outlet pipes on the front underside of the steel canister.
- Cover the two drainage outlet pipes with the supplied clear PVC tubing.
- Feed the supplied hose clamps from fastener set **FS00551** over the PVC tubes.
- Tighten the hose clamps where the PVC tubes meet the drainage pipes to create a seal.
- Locate the two rubber grommets supplied in the fastener set **FS00551**, fit them over the open ends of the PVC tubes.

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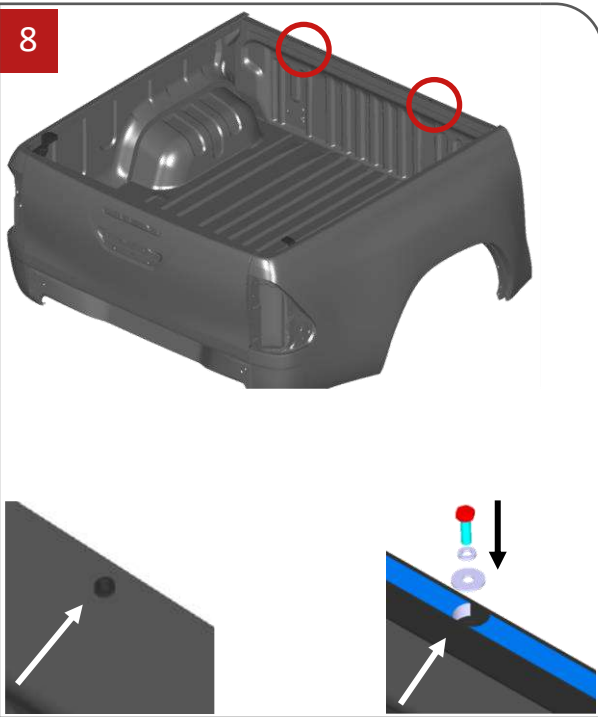


Figure 8

- Install the two M6 Rivnut supplied in the fastener set **FS00533**, next before applying the long front bracket, wipe the top surface of the bin sill with thinners or a surface preparation cleaner to ensure the surface is clean.
- Place the long front bracket over the two M6 Riv-nuts and tighten down with the M6x20mm Hex bolts, spring washers and washers from fastener set **FS00533**,

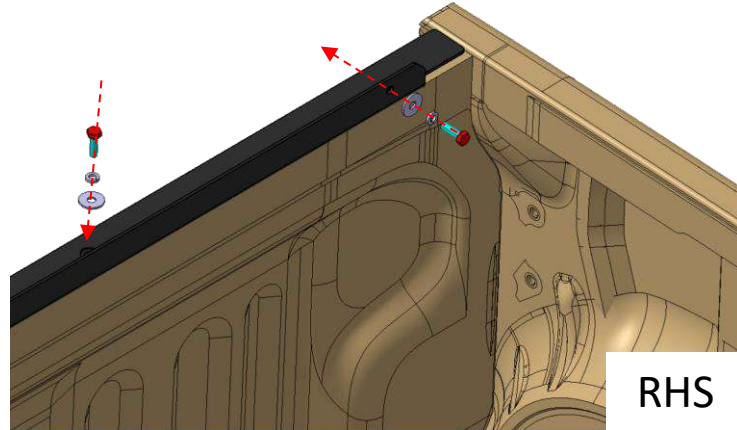


Figure 9

- Place the long front bracket over the two M6 Riv-nuts and tighten down with the M6x20mm Hex bolts, spring washers and washers from fastener set **FS00533** as shown in **Figure 9** .
- **Direction of Long front bracket is shown in Figures 8 & 9**

Vertical bent up edge / flange faces into the bin, with the two welded-on nuts facing towards the glass window.

- Stick down the long foam strip (30mmx30mm) over both front brackets and trim off extra length.
- Be sure to place the foam strip so that the RH & LH side lengths are equal.
- Later on, the Side rails will be placed on top of this foam seal to create a barrier for water resistance.

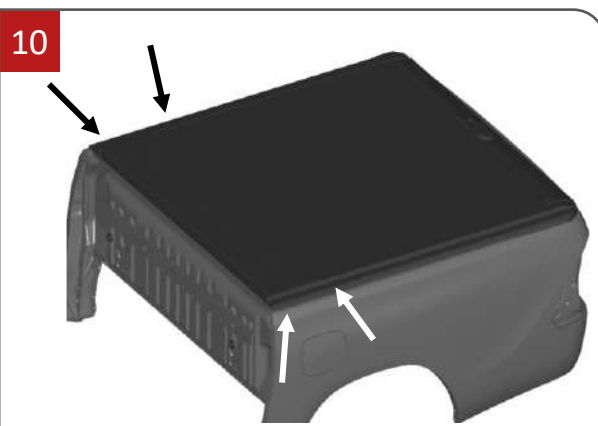
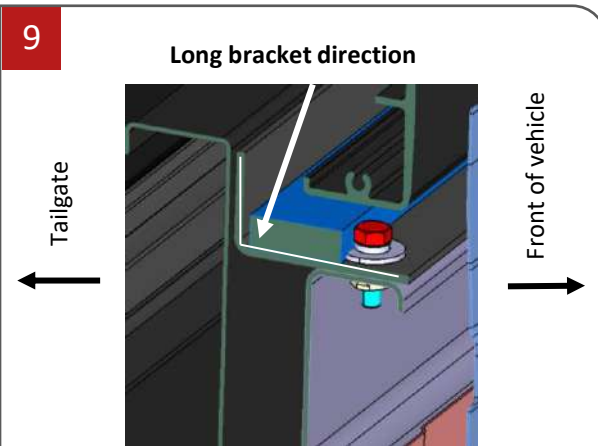


Figure 10



- **This step requires two people, lift the preassembled Rollatop over the bin of the vehicle with a person on either side and the Canister at the front of the bin.**
- Lift the preassembled Rollatop in the areas shown in **Figure 10**.
- Align the Canister with the front bin sill and the side rails with the side bin sills.
- Lower the assembly into position ensuring each corner of the assemble meets the corners of the bin sill.

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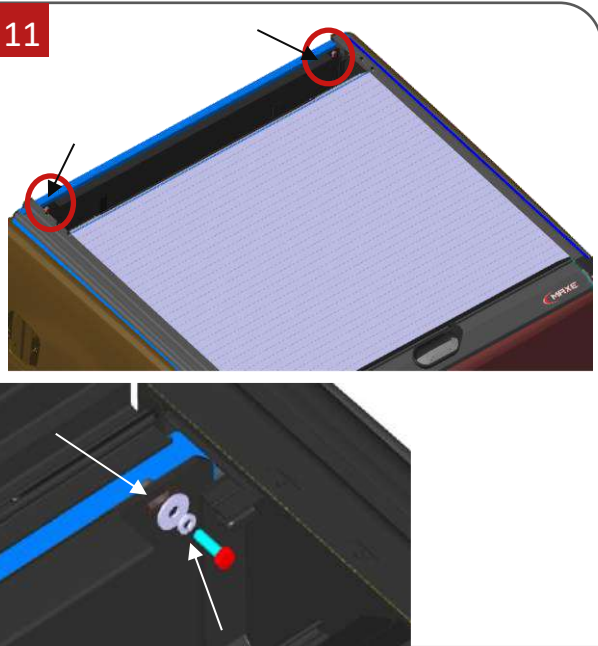


Figure 11

Fitment on to the front load body brackets

- Align the slots on the front of the Collection cylinder to the brackets installed in **Step 9**.
- Tighten the Collection cylinder to the brackets with the two M6x25mm Hex bolts, spring washers and washers from fastener set **FS00533**.
- Once completed the lid assembly can be installed into position on top of the Rollatop.

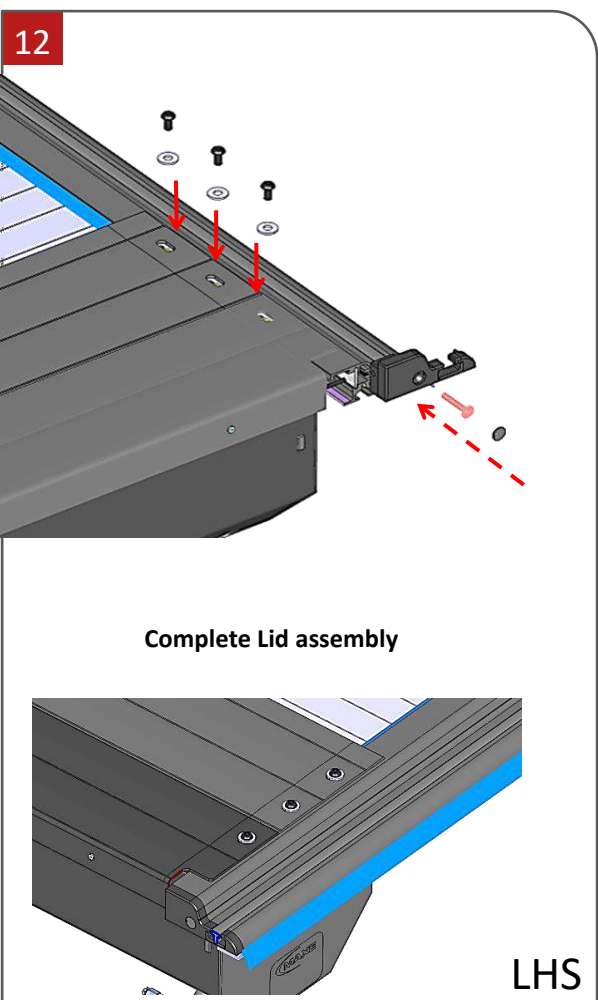


Figure 12

- Using the supplied lid fastener set **FS00528** to secure the Lid to the Side rails.
- Using three M6x12mm button head cap screws and washers for each side, tighten down the Lid on either side.

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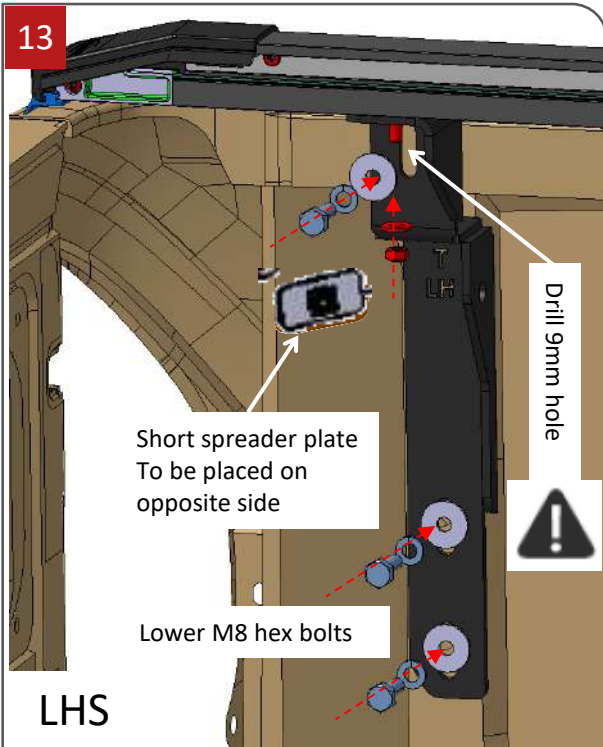


Figure 13

- Locate the RHS and LHS rear brackets.
- Install lower M8 hex bolts to hold bracket in position.
- Locate the slot on the underside of the Side rail.
- Find the M6x25 CUP SQUARE bolt and feed the bolt through the slot at the top of the bracket, place a washer and M6 locknut on.
- Ensure that the bracket is straight.
- **Next measure 22mm down from top of sill, this should be in the centre of the bracket slot. Make a mark. Next drill a 9mm hole.**
- This hole will allow you to place the M8 bolt, spring washer, washers, Short m8 spreader plate or the M8 lock nut.
- Please note that the spreader plates are placed at the back of the drilled holes.
- Fasten the rear brackets using the M6 locknut.
- Fasten the M8 bolts once **Step 14.2** is completed.
- Repeat the above steps for the opposite rear bracket.



Toyota rear brackets are compatible with Maxe Dust defence kit
 Sales code: PZN76DD201

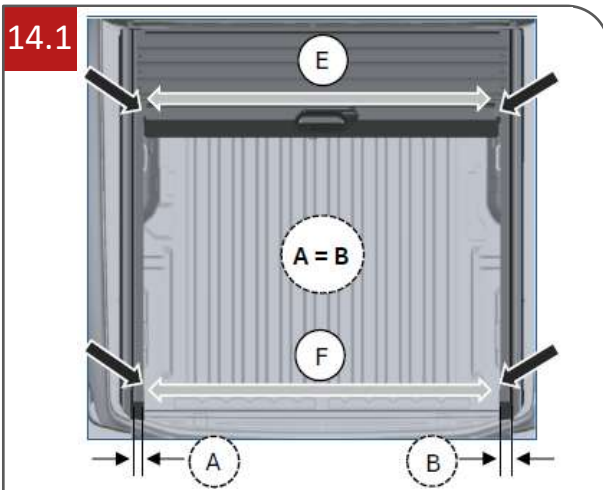
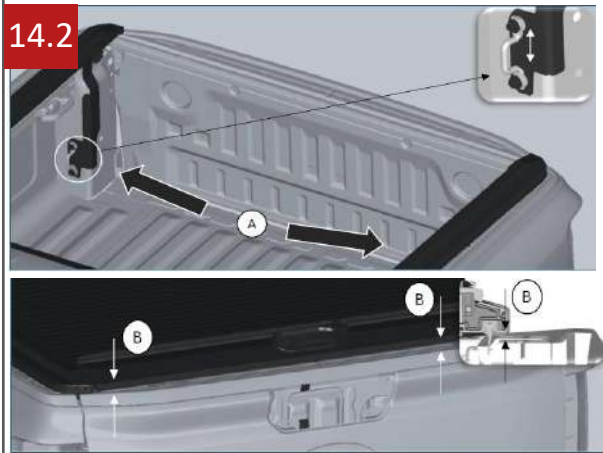


Figure 14

- Before fully tightening the rear brackets measure the internal width of the Side rails.
- Measure between the side rail just after the fixed Lid profile.
- Use this measurement to re-align the side rails at the back.
- Ensure that measurement E = F.
- See **Table 1** for standard measurements. (E=F)
- RollaTop is centred (A=B).

Table 1	
Standard side rail cross measurements	
Vehicle:	Millimetre (mm)
Ford Ranger T6 / T7	1400 mm
Toyota Hilux	1400 mm
Isuzu D-Max RG06	1430 mm
P-Series GWM	1405 mm
Mazda BT50	1430 mm
Mahindra Karoo	1400 mm
Ford Ranger P703	1320 mm
Nissan Navara H60	1360 mm
VW Amarok J73	1320 mm



- Ensure that the vertical gap between the underside of the rear profile and the top surface of the tailgate in a closed position is +8mm as shown in **Figure 14.2**.
- **If this gap isn't correct opening & closing of the tailgate & Rollatop will be difficult.**

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Figure 15

- Open and close the Rollatop & tailgate to ensure free movement.

What to do if the Rollatop gets stuck during opening or closing:

- Check the height setting of the rear brackets.
- Check the cross dimensional measurements. See **Table 1** in **Step 14**.
- Check gap between tailgate top and underside of rear aluminium profile. This should be not less than 8mm.
- Lastly the tension spring can be set. See **Step 17**

See troubleshooting manual for in-depth solutions.

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Figure 16

- Locate the position of the grommets on this inside of the bin against the front wall as shown in **Figure 16**.
- Drill through the bin wall to create a 32,0mm hole alternatively if your vehicle has rubber grommet inserts use a Stanley blade to cuts an "X" shape hole.
- The original vehicle grommets can be used or replaced with the supplied grommets from the Kitting package.
- Feed the clear PVC tubes through the holes / grommets to allow for drainage.
- Place the carabiner hook onto D-shackle at the end of the draw chord & attach to rear bracket.

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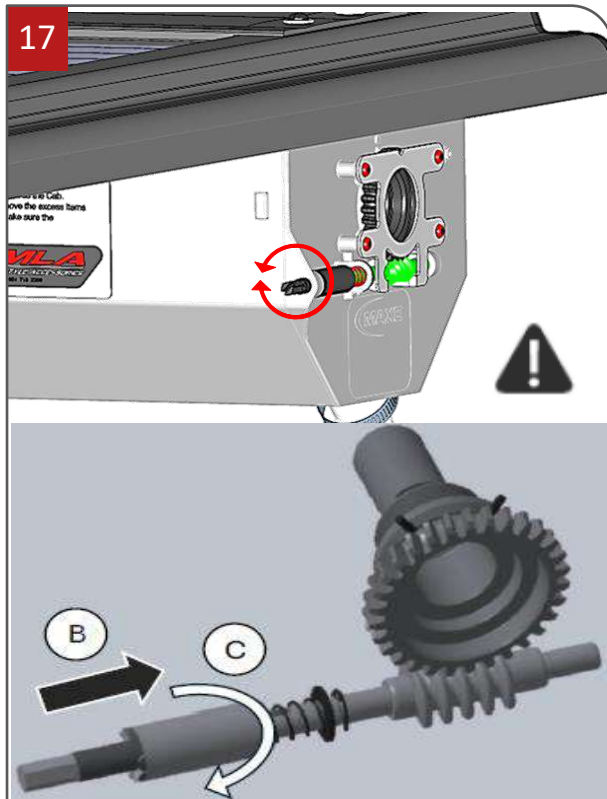


Figure 17



- **Overtightening the main spring will cause damage to the Rollatop. Before tightening it further, make sure nothing else is preventing the Rollatop from operating correctly.**
- Adjusting the main spring in clockwise rotation will increase the tension and make manually closing the cover harder but opening the cover will be easier.
- Then if the opposite is done, adjusting the spring in an anti-clockwise rotation the tension shall be reduced making the cover easier to manually close but opening will become semi-automatic / manually assisted too fully manual.
- **Please note reducing the tension of the main spring too much will cause the Rollatop to be noisy as tension is released the slats become free to bump into the collection cylinder casing & fixed lid. Furthermore, when opening the Rollatop the slats will bunch up and jam during opening due to not enough tension on the main spring.**
- Adjust the tension in increments, a cordless drill with a 7mm socket may be used. Try rotating the index tensioning pin by ten (10) rotations and the try closing and opening the Rollatop. If the result isn't satisfactory then try adjusting the tension further.
- **If damage has been done and the collection cylinder tensioning system needs to be replaced. Please contact Maxe or your dealer for replacement parts.**

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