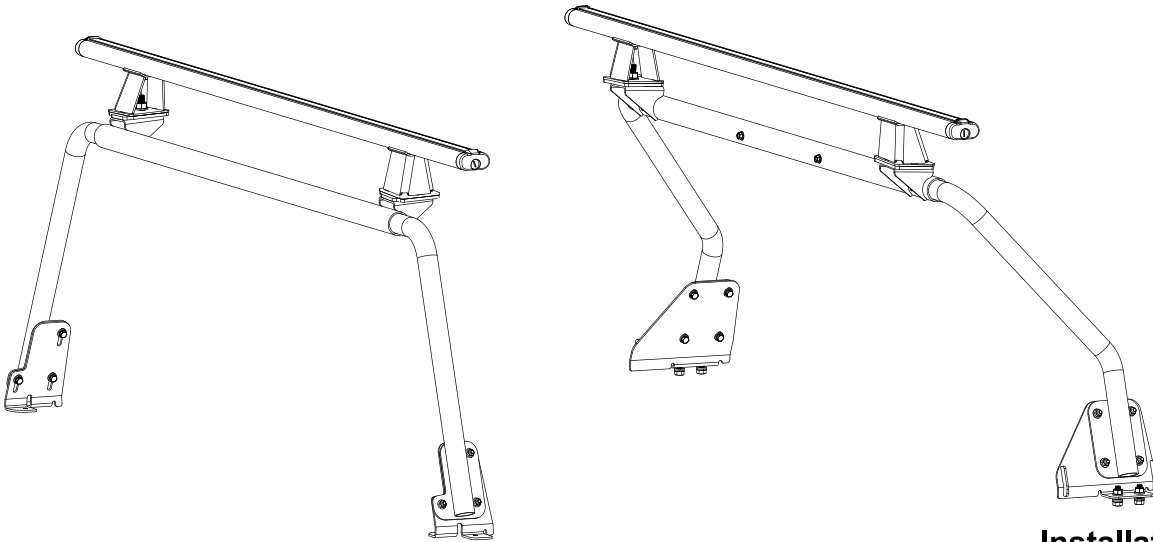


ROOF RACK INSTALLATION INSTRUCTIONS (FOR FITMENT TO EGR CANOPIES)

**MITSUBISHI TRITON MN 2009 -
TOYOTA HILUX AM 2015 -**



Installation Time:
2 Hours (Approximately)

Care Instructions:



Clean Roof Racks with a mild detergent and water solution.



Do not use abrasive cleaners or solvents.

150Kg
MAX.

Roof Racks Maximum
Load to be carried
150Kg

Place these instructions in vehicle's glove box after installation is complete

PLEASE REFER TO PAGE 2, OF THIS INSTRUCTION FOR A LIST OF PARTS AND QUANTITIES.

IMPORTANT!

- Read instructions carefully before installation.
- It is strongly recommended that installation is conducted by an authorised dealer.
- This product must be installed exactly as specified in these instructions.
Failure to do so may result in improper fit and/or retention.
- Recommend installation by 2 people.

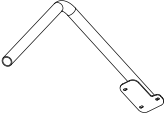
RECOMMENDED TOOL LIST - (Not Supplied in Kit)

- Socket Driver and Sockets - 10mm, 13mm & 17mm
- Spanners - 10mm, 13mm & 17mm
- Silicon Dispensing Gun
- Non Acetic Silicon (Neutral Cure)
- Torque Wrench - 0-10Nm
- File / De-burring Tool
- Non Permanent Marker / Metal Scribe
- Cleaning Cloths / Rags
- Steel Rule and Tape Measure
- Drill and Ø3mm & Ø9mm Drill Bits
- Ø20mm Hole Saw
- 10mm Socket Drive Drill Attachment (for 14G Tek Screw)

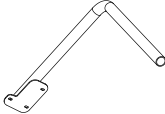
PARTS CHECK SHEET

TOYOTA HILUX/MITSUBISHI TRITON ROOF RACKS

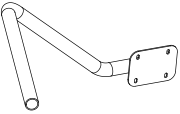
PARTS IN MAIN CARTON



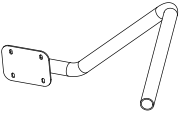
Front Tube LH
Qty - 1



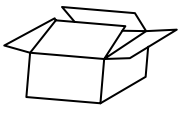
Front Tube RH
Qty - 1



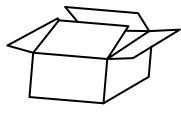
Rear Tube LH
Qty - 1



Rear Tube RH
Qty - 1




Roof Rack Kit
Qty - 1




Hardware Kit
Qty - 1

PARTS IN ROOF RACK KIT

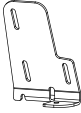


Centre Tube
Qty - 2

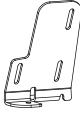


Roof Rack Extrusion with Endcaps & Keys (RACK0006)
Qty - 2


PARTS IN HARDWARE KIT



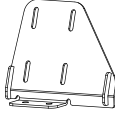
Front Bracket LH
Qty - 1




Front Bracket RH
Qty - 1



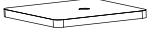
Rear Bracket LH
Qty - 1




Rear Bracket RH
Qty - 1




Internal Foam Pad
Qty - 4




External Foam Pad - A
Qty - 2




External Foam Pad - B
Qty - 2




Pedestal Bracket - A
Qty - 2




Pedestal Bracket - B
Qty - 2




M6x20mm Hex Head Bolt
Qty - 14



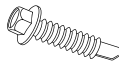
M6 Large Flat Washer
Qty - 28




M6 Spring Washer
Qty - 14



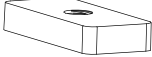
M6 Hex Nut
Qty - 14



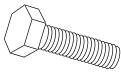
14G Tek Screw
Qty - 8 (8 Spares)



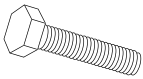
Steel Bush
Qty - 4




M8 Threaded Block
Qty - 4




M8x20mm Hex Head Bolt
Qty - 4




M8x25mm Hex Head Bolt
Qty - 4



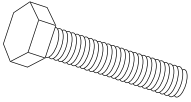
M8 Flat Washer
Qty - 12




M8 Spring Washer
Qty - 8



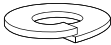
M8 Hex Nut
Qty - 4




M10x40mm Hex Head Bolt
Qty - 4




M10 Flat Washer
Qty - 8



M10 Spring Washer
Qty - 4



M10 Hex Nut
Qty - 4



Fitting Instruction (FIT-CP0003b)
Qty - 1

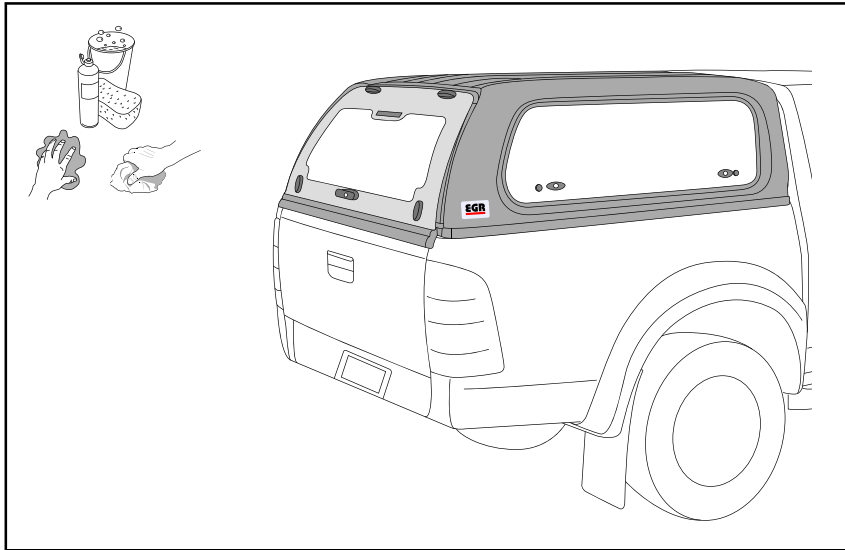


Diagram: 1 - CLEAN INSTALLATION AREAS

1. Thoroughly clean and dry installation areas (canopy and inside of the tub) as shown. (ref. diagram1).

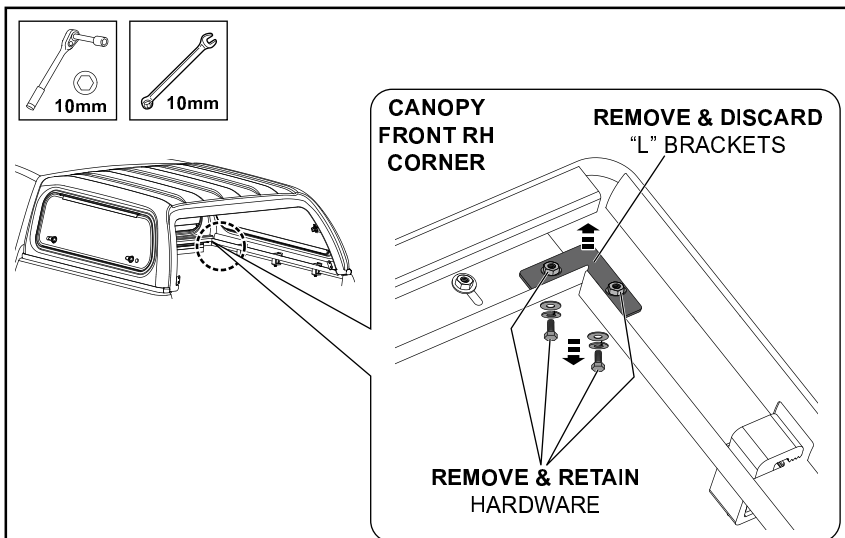


Diagram: 2 - REMOVE EXISTING HARDWARE

2. Open the rear tailgate and canopy rear window. Inside the canopy at the front of the tub remove the corner "L" brackets and hardware as shown for both sides of the vehicle. Retain hardware to secure the front brackets in the next step. Discard the "L" brackets. (ref. diagram2).

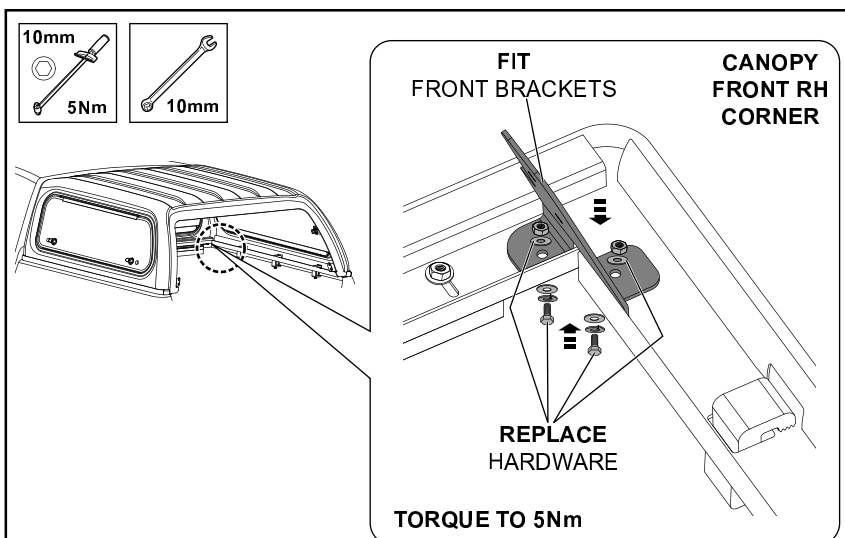


Diagram: 3 - FIT FRONT BRACKETS

3. Position the front brackets LH and RH to the location on the canopy rails where the "L" brackets were previously removed. Secure brackets to rails using hardware previously removed as shown. **Tighten to Torque 5Nm.** (ref. diagram3).

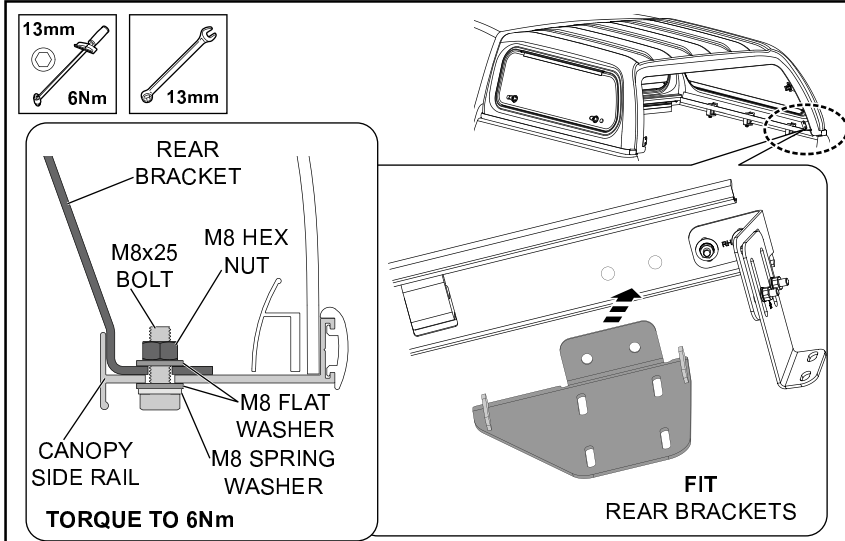


Diagram: 4 - FIT REAR BRACKETS

- Position the rear brackets LH and RH on the canopy rails aligning to previously drilled holes (Ranger & Colorado), or slots in rails (Triton) as shown. Secure clamp brackets to rails using (2) M8x25mm bolts, M8 spring washers (4) M8 flat washers and (2) M8 hex nuts (per side) as shown. **Tighten to Torque 6Nm.** (ref. diagram4).

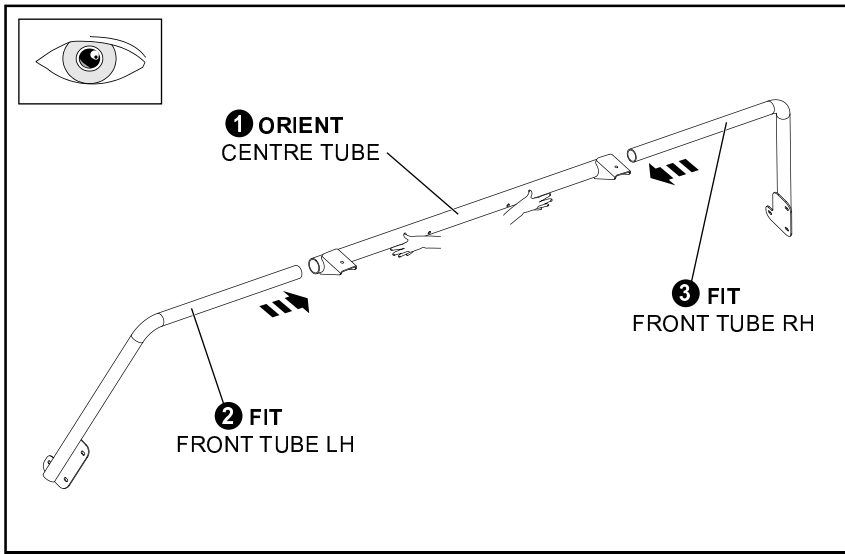


Diagram: 5 - ASSEMBLE FRONT TUBES

- Orient one centre tube so the foam pad on the brackets is facing up and the brackets are coming out towards you. Slide the front tube LH assy into the LH side of the centre tube and the front tube RH into the RH side of the centre tube as shown. (ref. diagram5).

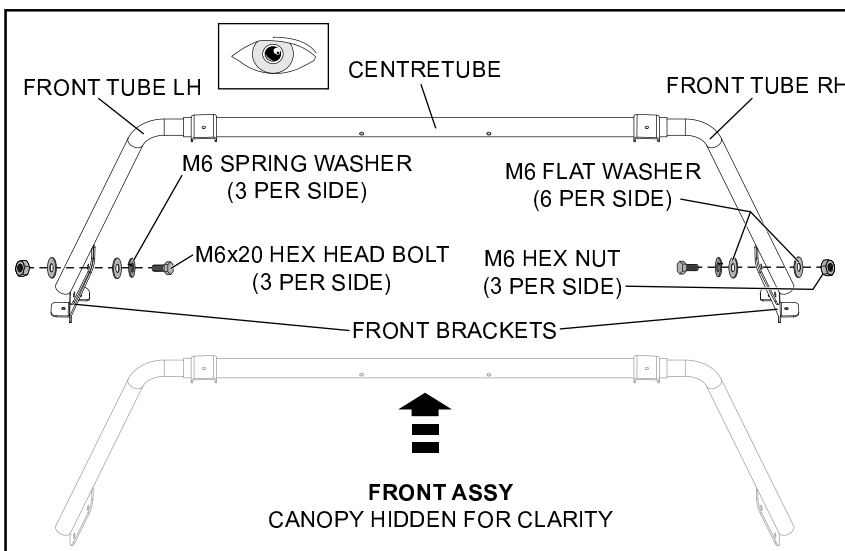


Diagram: 6 - FIT FRONT TUBES

- Fit the front tubes into the vehicle and position the tube brackets to the outside of the front brackets. Loosely secure each side with (3) M6x20 hex head bolts, M6 Spring washers (6) M6 flat washers and (3) M6 hex nuts as shown. Rotate the centre tube so the brackets are located against the canopy roof as shown. **Finger Tighten only, Do Not Torque.** (ref. diagram6).

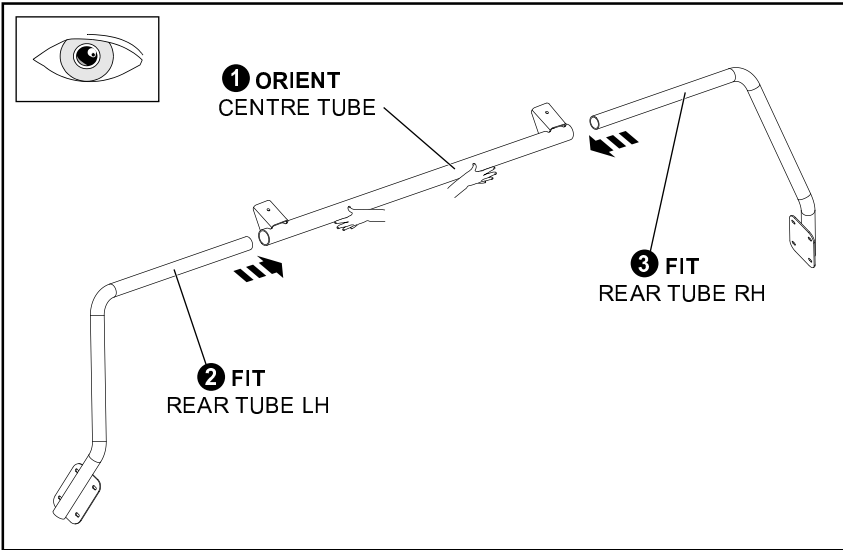


Diagram: 7 - ASSEMBLE REAR TUBES

7. Orient the other centre tube so the foam pad on the brackets is facing up and the brackets are pointing away from you. Slide the rear tube LH into the LH side of the centre tube and the rear tube RH into the RH side of the centre tube as shown. (ref. diagram7).

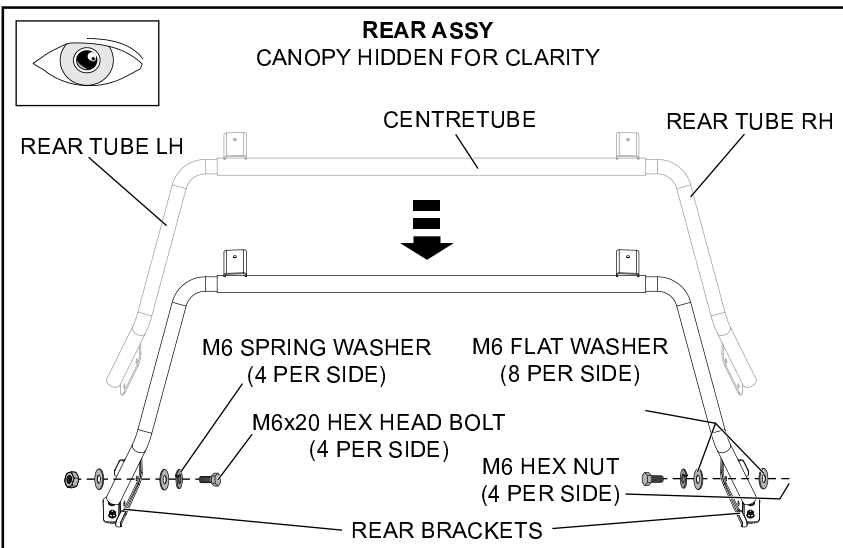


Diagram: 8 - FIT REAR TUBES

8. Fit the rear tubes into the vehicle and position the tube brackets to the outside of the rear brackets. Loosely secure each side with (4) M6x20 hex head bolts, M6 Spring washers (8) M6 flat washers and (4) M6 hex nuts as shown. Rotate the centre tube so the brackets are located against the canopy roof as shown. **Finger Tighten only, Do Not Torque.** (ref. diagram8).

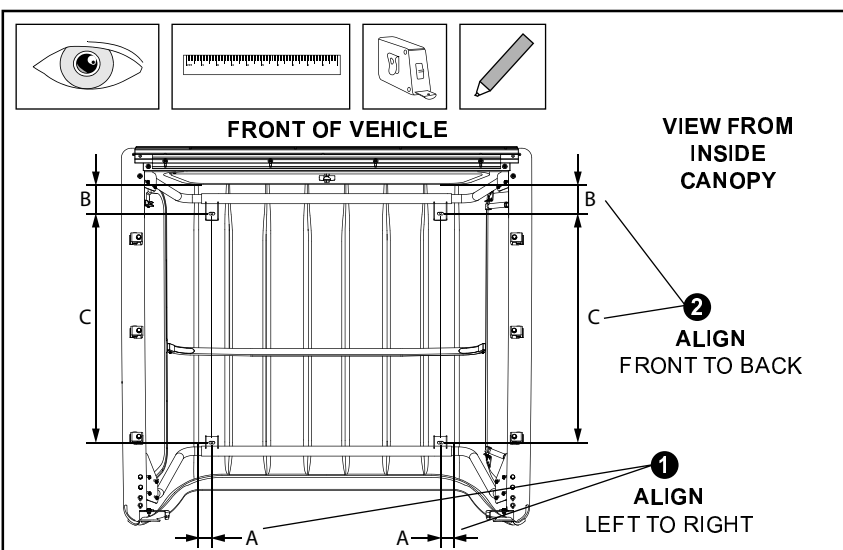


Diagram: 9 - ALIGN TUBE ASSEMBLIES & MARK HOLES

9. Check that the centre tube brackets are evenly positioned inside canopy roof, front and rear. Adjust the centre tube's so they are parallel across the canopy, by measuring from a flat surface at the front of the canopy, back to each bracket as shown. Recheck alignment across the vehicle and mark the centre of the (4) bracket slots as shown. (ref. diagram9).

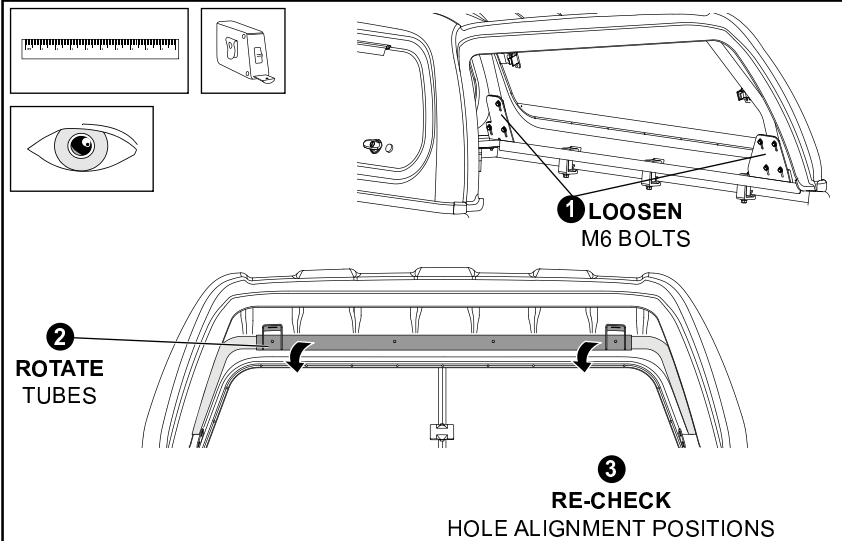


Diagram: 10 - LOOSEN TUBES & RE-CHECK HOLES

- 10.** When holes are marked loosen all M6 bolts finger tightened in steps 7 and 9, and rotate centre tube down away from the roof as shown, to gain access to drill holes in canopy roof. Before drilling re-check position and alignment of all (4) hole positions marked. (ref. diagram10).

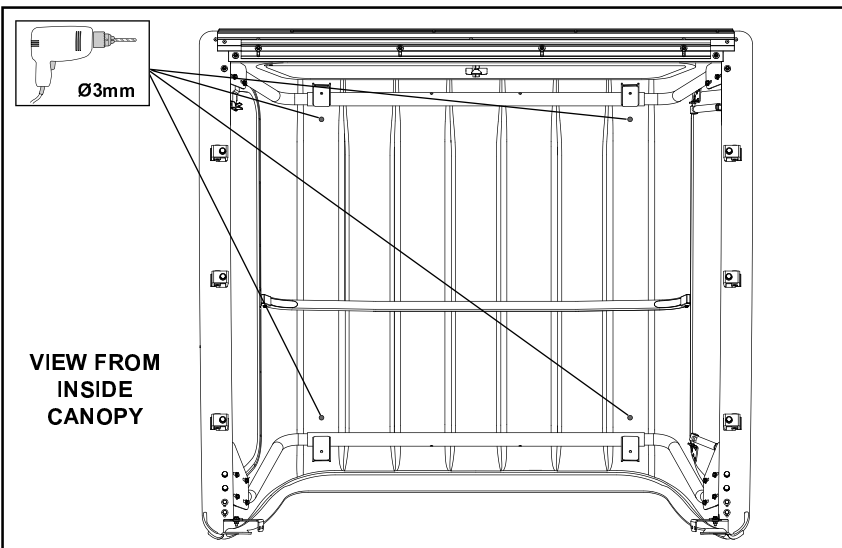


Diagram: 11 - PILOT DRILL HOLES

- 11.** From inside the canopy carefully drill the (4) holes with $\varnothing 3\text{mm}$ pilot drill. (ref. diagram11).

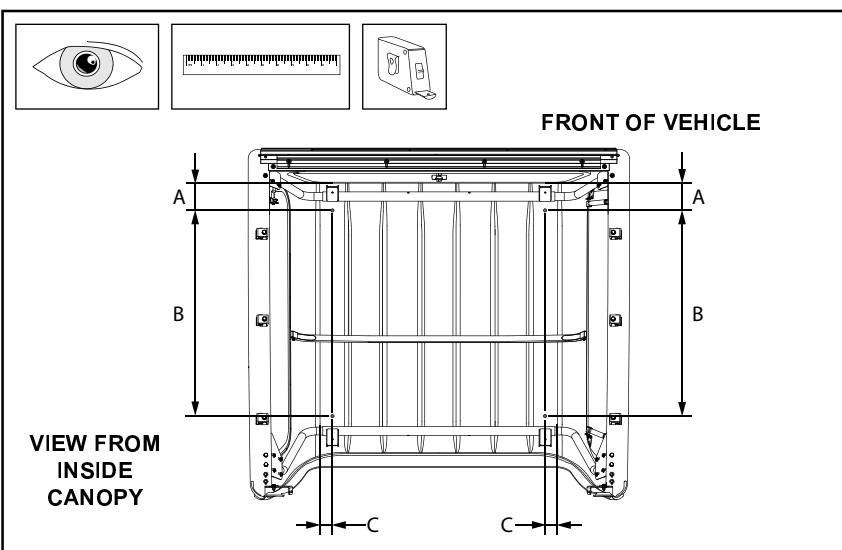


Diagram: 12 - RE-CHECK HOLE POSITIONS

- 12. IMPORTANT:** Before proceeding ensure you spend some time to recheck the (4) hole positions across the vehicle and down the length of the vehicle. This will ensure the pedestal brackets on the top of the canopy will sit in line and parallel to the canopy and vehicle. (ref. diagram12).

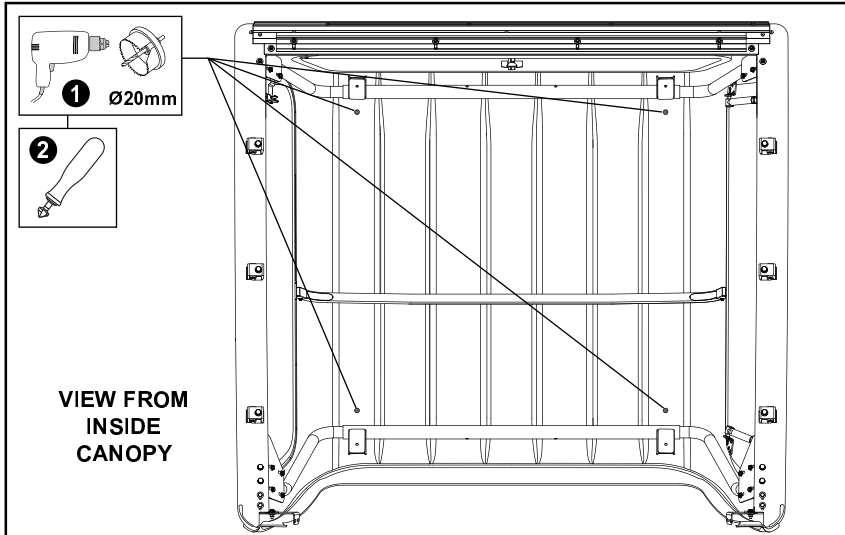


Diagram: 13 - DRILL HOLES AND DEBURR

13. Carefully re-drill the (4) holes with a $\text{\O}20\text{mm}$ hole saw. Remove all burrs and sharp edges. (ref. diagram13).

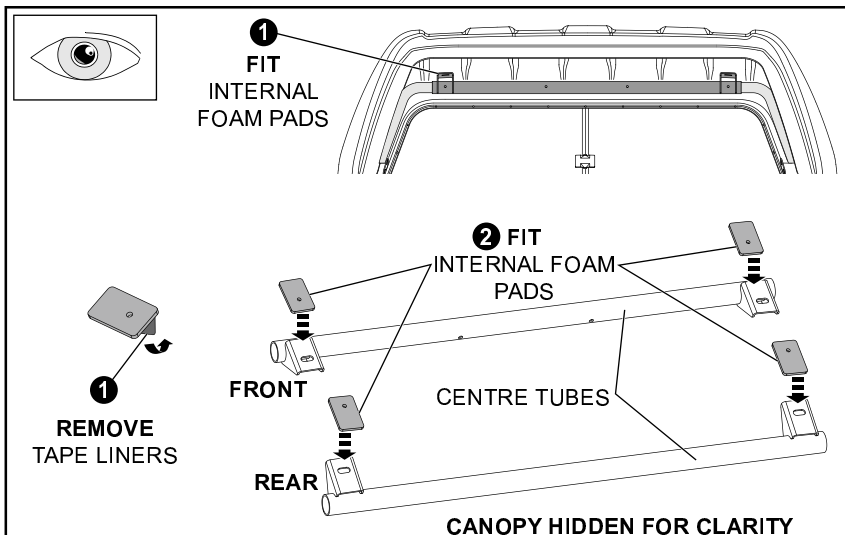


Diagram: 14 - APPLY FOAM PADS TO CENTRE TUBE

14. Remove tape liners from all (4) internal foam pads, and fit to the centre tube brackets as shown. (ref. diagram14).

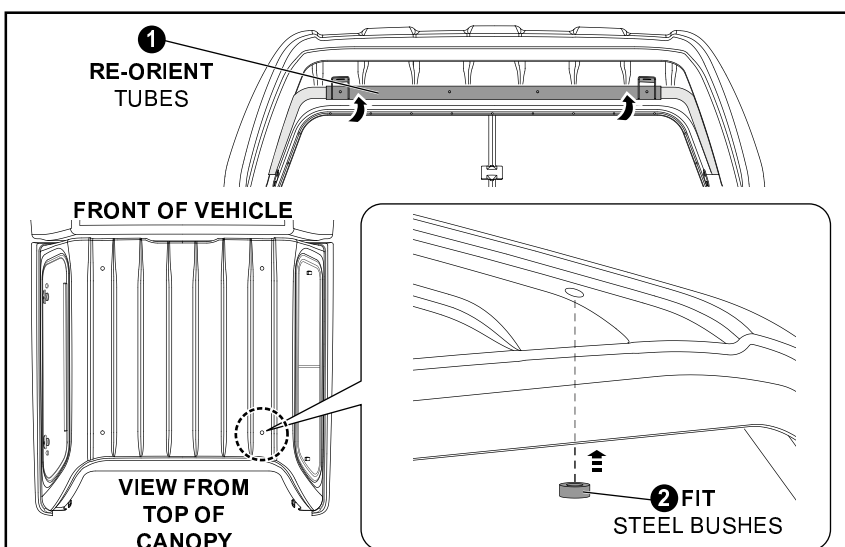


Diagram: 15 - RE-ORIENT TUBES & FIT STEEL BUSHES

15. Re-orient tube assembly and rotate centre tube back up to the roof. Finger tighten all M6 bolts previously loosened in step 13. Fit the (4) steel bushes into the (4) $\text{\O}20\text{mm}$ drilled holes. (ref. diagram15). **IMPORTANT: If the steel bushes are very tight to fit, ream the holes out gradually until the steel bushes are a neat fit.**

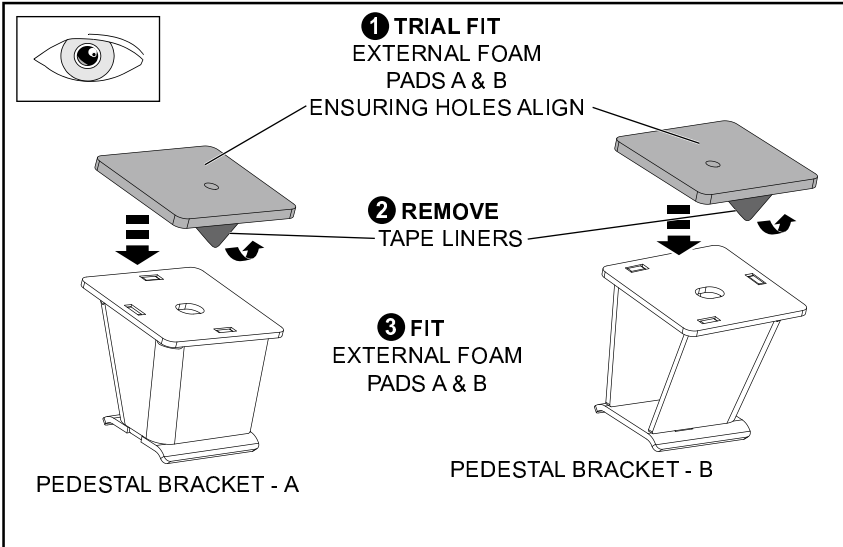


Diagram: 16 - FIT FOAM PADS TO PEDESTAL BRACKETS

16. Trial fit the external foam pads A & B to the pedestal bracket's A & B (with the tape liner against the bottom of the brackets). Check you have the correct gasket by ensuring the holes line up. When correct, remove the tape liner from the foam pads and adhere to the pedestal bracket's as shown. (ref. diagram16). (Pedestal bracket ID's **A & B** are stamped on the base plate)

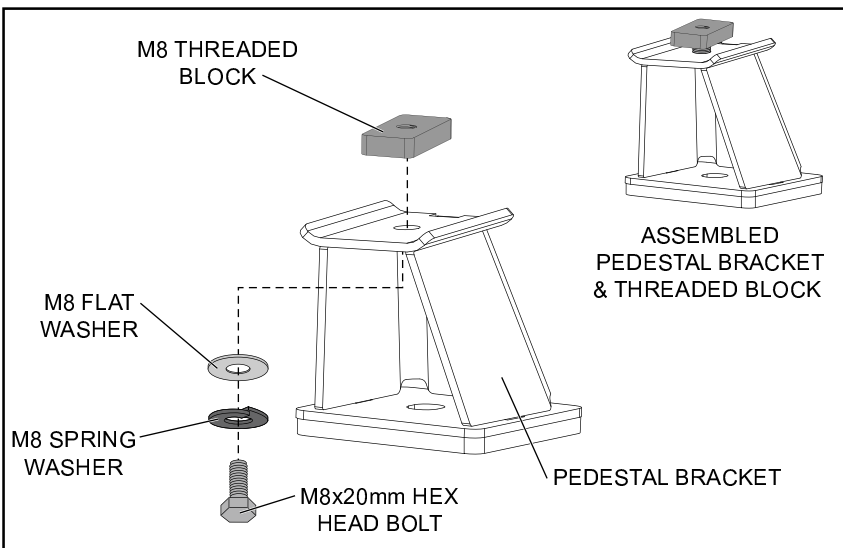


Diagram: 17 - FIT THREADED BLOCKS TO PEDESTAL'S

17. Loosely fit (1) M8 threaded block to each of the (4) pedestal brackets using (1) M8x20 hex head bolt, M8 spring washer and M8 flat washer as shown. **Leave Loose, Do Not tighten at this stage.** (ref. diagram17).

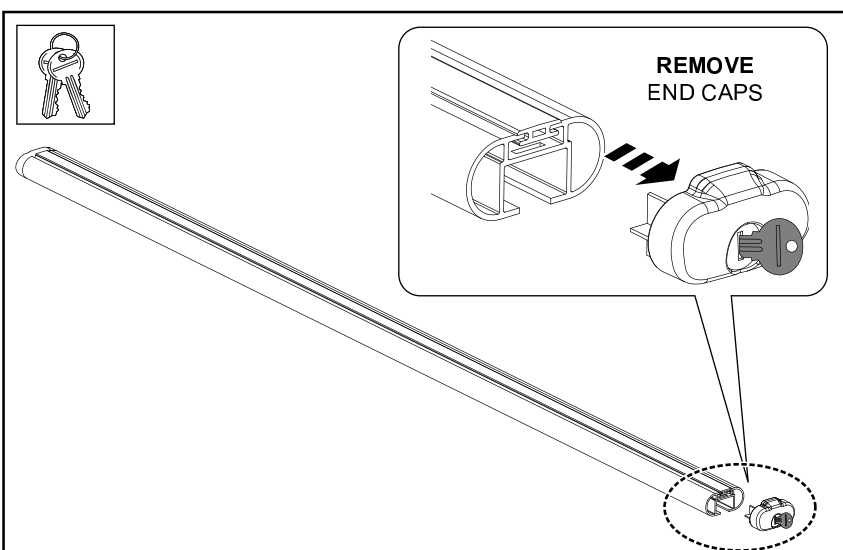
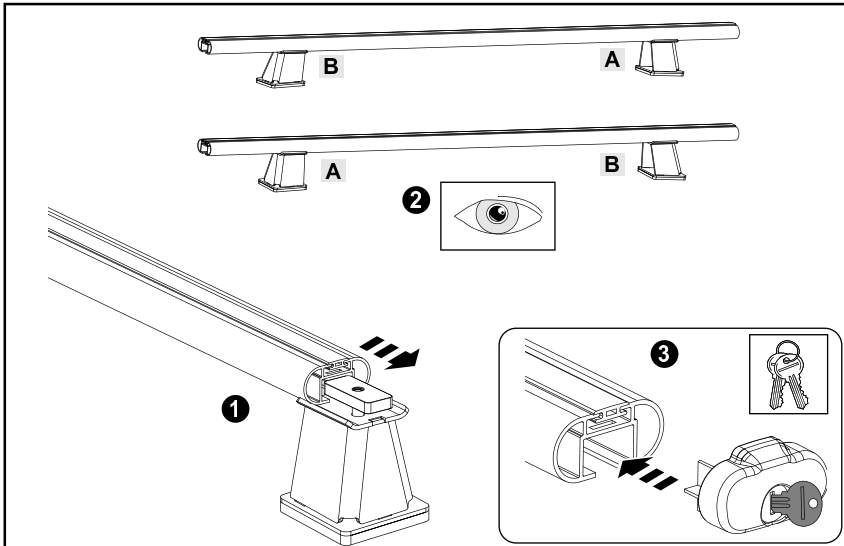


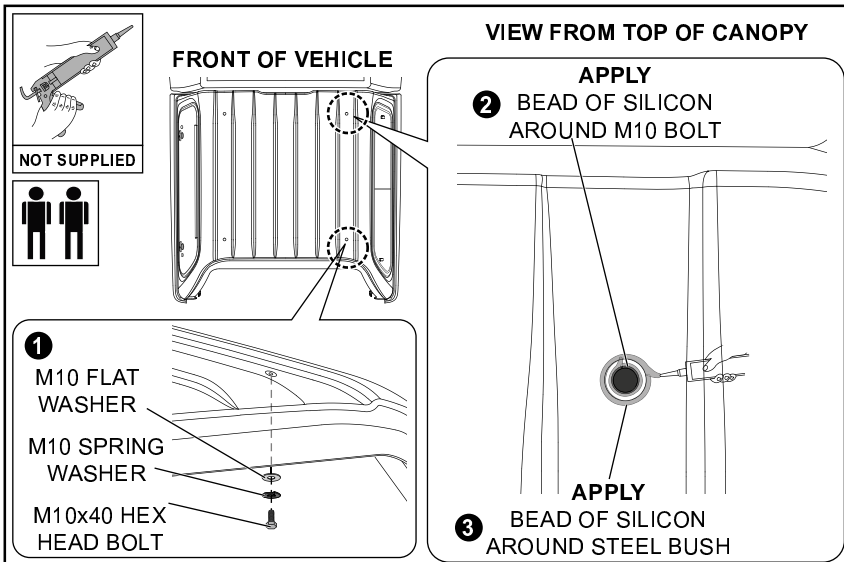
Diagram: 18 - REMOVE END CAPS FROM ROOF RACKS

18. Using keys supplied remove and retain all end caps from the roof rack extrusions as shown. (ref. diagram18).



- 19.** Carefully slide the M8 threaded blocks & pedestal bracket assemblies into the roof rack extrusion ensuring brackets 'A' and 'B' are oriented as shown. Repeat process for the other roof rack. **IMPORTANT: Take care to avoid scratching the roof rack extrusion and pedestal brackets.** Replace the end caps ensuring they are locked back in place with the keys. (ref. diagram19).

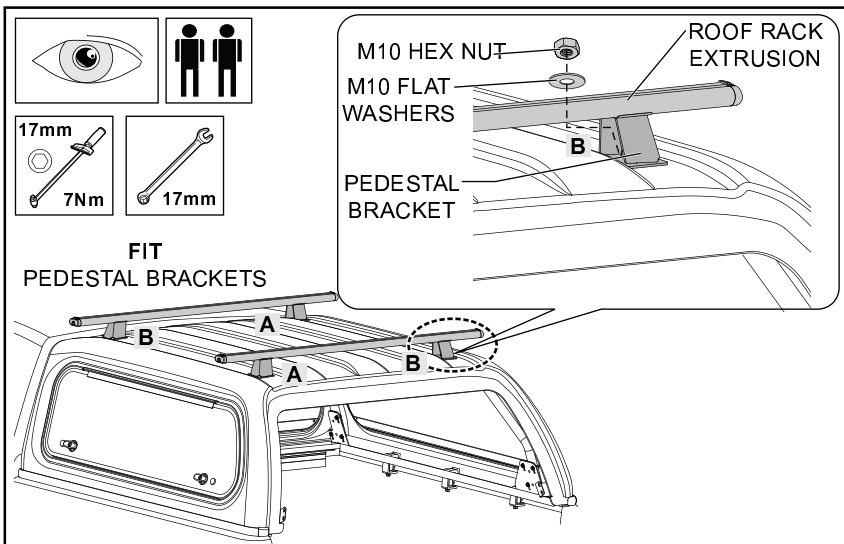
Diagram: 19 - FIT ROOF RACK EXTRUSIONS, REPLACE END CAPS



Complete step 20 then step 21 for the rear pedestal brackets. Then repeat the process for the front pedestal brackets.

- 20.** Two people are required for this step. One person to fit and hold the M10 bolts, spring washers and flat washers from inside the canopy. The second person to apply a bead of non-acetic silicon (not supplied) to the top of the canopy around the M10 bolt thread, and around the previously fitted steel bush, as shown. **IMPORTANT: Ensure there is a continuous bead of silicon all around the steel bush and M10 bolt thread to prevent water entering the canopy. Ensure the silicon contacts the M10 bolt thread all around.** (ref. diagram20).

Diagram: 20 - FIT M10 BOLTS & APPLY SILICON



- 21.** One person continues holding the M10 bolts, while the second person carefully positions the pedestal brackets and extrusion on top of the canopy aligning the holes with the M10 bolts as shown, (Bracket A to the Front RH & Rear LH side, Bracket B to the Front LH & Rear RH side). Secure each bracket to the M10 bolt with a M10 hex nut as shown. **Tighten to Torque 7Nm, ensure the pedestal brackets sit parallel across the canopy and do not rotate when tightening.** (ref. diagram21).

Diagram: 21 - FIT PEDESTAL BRACKETS / EXTRUSIONS TO CANOPY

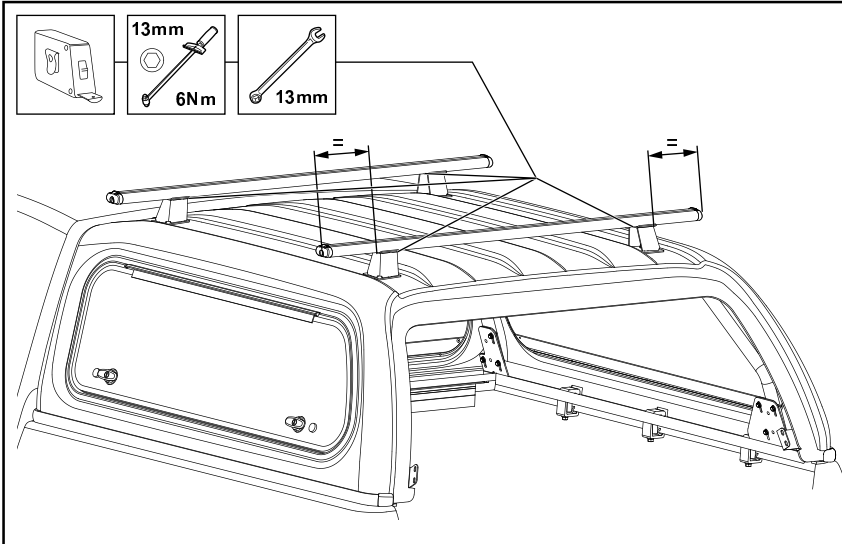


Diagram: 22 - SECURE ROOF RACKS

- 22.** Measure and adjust the roof rack extrusions so they are evenly positioned on the pedestal brackets as shown. Tighten the (4) M8 hex head bolts securing the roof rack extrusions to the pedestal brackets. **Tighten to Torque 6Nm, ensure the extrusion remain parallel across the canopy and the pedestal brackets do not rotate when tightening.** (ref. diagram22).

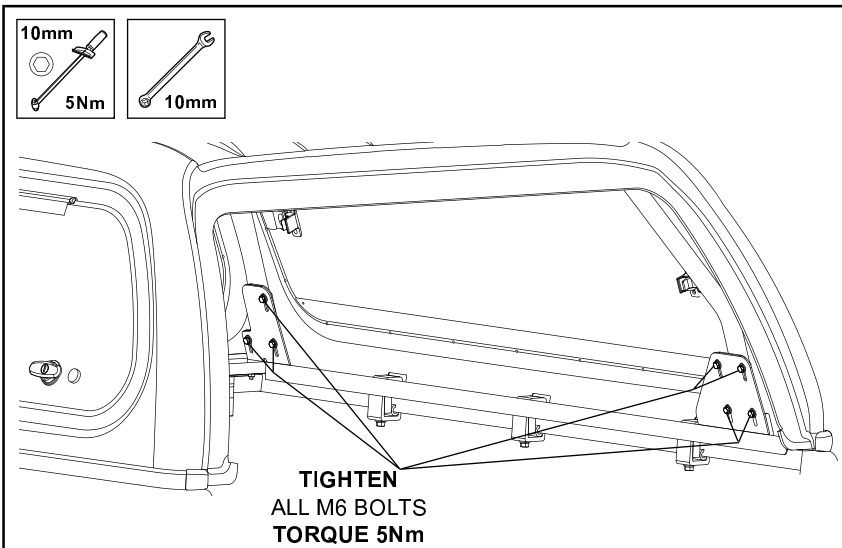


Diagram: 23 - TIGHTEN TUBE ASSY M6 BOLTS

- 23.** Tighten all the M6 hex head bolts securing the tube assemblies to the brackets. **Tighten to Torque 5Nm.** (ref. diagram23).

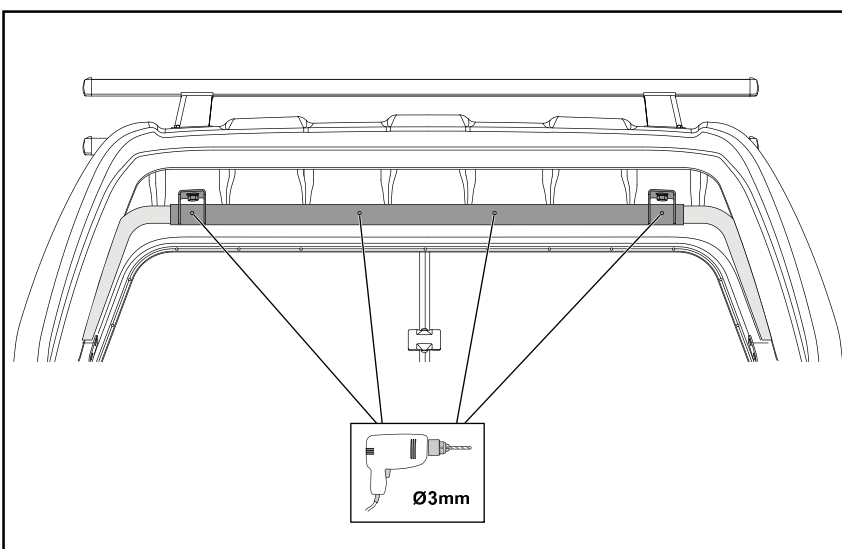


Diagram: 24 - PILOT DRILL TUBE ASSEMBLIES

- 24.** Using the (4) holes in each of the top tube assemblies as a guide, drill (8) Ø3mm pilot holes into the tubes as shown, through one side only. **IMPORTANT: DO NOT DRILL THROUGH BOTH SIDES OF THE TUBE.** (ref. diagram24).

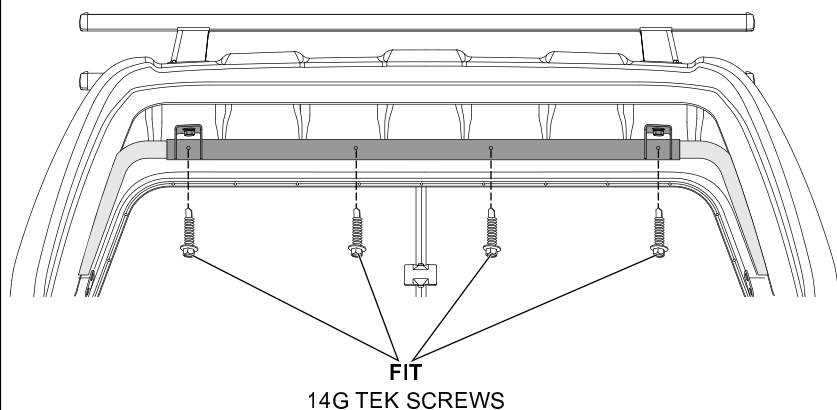
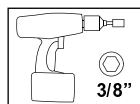


Diagram: 25 - SECURE TUBE ASSEMBLIES TOGETHER

- 25.** Using the $\varnothing 3\text{mm}$ pilot holes as a guide secure the tube assemblies with (8) 14G-tek screws as shown. (ref. diagram25).

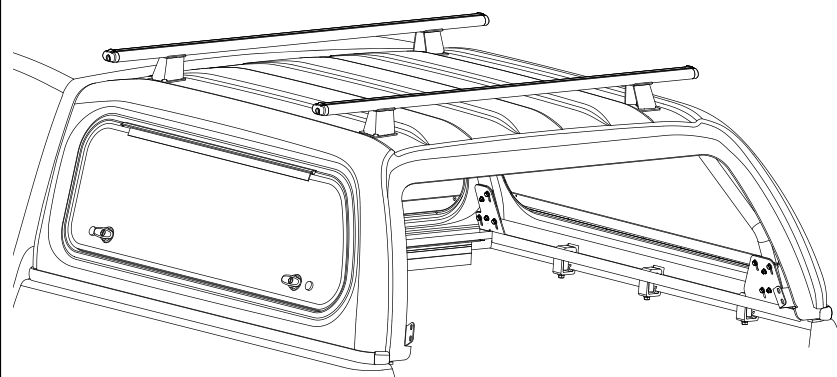


Diagram: 26 - CLEAN VEHICLE & HANDOVER TO CUSTOMER

- 26.** Clean the Tub, Canopy, Roof Racks and vehicle thoroughly ensuring all drill swarf is removed.

PLACE FITTING INSTRUCTIONS IN THE CUSTOMERS LOG BOOK, AND ENSURE PAGE 13 OF THESE INSTRUCTIONS ARE DISCUSSED WITH THE CUSTOMER AND A COPY GIVEN TO THE CUSTOMER.
(ref. diagram26).



OWNERS MANUAL SUPPLEMENT
IMPORTANT: PLACE THIS PAGE IN THE CUSTOMER'S
VEHICLE SERVICE BOOK.



WARNING! - SAFETY!

- Total Load to be carried on EGR Roof Rack system is 150Kg Maximum.
- Loads must be distributed as evenly as possible across EGR Roof Rack system, and the loads centre of gravity to be kept as low as possible. Narrow and Heavy loads (example: metal tubes) must be positioned over or near the Roof Rack Mounting Brackets attached to the vehicle roof.
- Loads that over-hang the ends of the Roof Racks must conform to any relevant laws and must be adequately secured.
- All loads must be firmly and independently secured, to both Front and Rear Roof Rack Extrusions.
- Loads must be secured using suitable straps or similar tightening devices.
- After loading, recheck the security of the load and Roof Racks regularly throughout the journey.
- Elastic straps with securing hooks must not be used.
- Where surfboards are carried (or similar items that may produce high lifting forces), they must not be carried side by side, but stacked one upon the other and secured independently to Front and Rear Roof Rack Extrusions using straps or other methods capable of with-standing the lifting forces.
- Where specialised accessories are available to carry or secure loads (example bicycle carriers), it is recommended that are used, and must be installed correctly.
- The handling characteristics of a vehicle will change when a carrier system (Roof Racks) is fitted, and especially when it is loaded (in particular cross wind sensitivity, handling on bends and braking). Driving techniques should be altered to allow for these changes, reducing speed especially on bends, and allow for longer braking distances.

Maintenance

- Only use mild detergents or wax polish.
- Do Not use abrasive compounds on painted or plastic finished Roof Rack surfaces.
- Roof Racks and any accessories, straps or other tightening devices must be maintained and kept in good working order.
- Regularly check and tighten Roof Rack attachment hardware to specified values, (if required).
- If Roof racks are removed, all bolts must be re-tightened on refitting to specified values.

Warranty Terms

EGR warrants that the Roof Racks will be free from defects in material and workmanship for a period of three (3) years from the retail date of purchase. This warranty only applies to the original purchaser and is nontransferable. Warranty must be claimed with original sales receipt for proof of purchase.

Exclusions

This warranty does not cover failure due to neglect, improper installation, including any modifications to installation hardware, alterations, addition of non genuine equipment, abuse, accident, normal wear and tear, lack of maintenance, misuse, and exposure to chemicals that are not safe for plastics or hardware components.

Incidental or consequential damage or loss of contents due to use, neglect, lack of maintenance, misuse of EGR Roof Racks is sole responsibility of the vehicle owner and operator.

Our products are sold as Roof Rack Systems and not a Roll Bar. In the event of a collision or rollover, the vehicle and any persons or objects travelling in the rear of the vehicle will not be protected by this product. The manufacturer assumes no liability for injury, loss, incidental or consequential damages in the event of a collision or rollover.

Disclaimer

In the event that your EGR Roof Racks are found to be defective under the terms of this warranty, it is at the discretion of EGR to repair or replace the defective part. Transportation costs and labour are not associated with this warranty claim.

(Subject to vehicle manufacturer's recommendations)

INSTALLATION CHECKLIST**Dealer Name:**

Dealer Code:

Model:

Stock No:

Order Date:

Order No:

Required By:

Vin No:

Canopy Colour**Vehicle Damage Check:****Detail:** _____**Vehicle Type:****Roof Rack Checklist - Details of rectifications required:****KEY No. :**

- | | |
|--|--------------------------|
| 1. Cleanliness of vehicle, canopy & roof racks | <input type="checkbox"/> |
| 2. Silicon applied to top of canopy around bush spacer & M10 Bolt Thread | <input type="checkbox"/> |
| 3. EPDM foam tape pads adhered to internal and external brackets | <input type="checkbox"/> |
| 4. All end caps locked onto roof rack extrusions with the keys supplied | <input type="checkbox"/> |
| 5. Roof rack end cap keys handed over to the Customer | <input type="checkbox"/> |
| 6. Roof Racks positioned evenly on the vehicle. | <input type="checkbox"/> |
| 7. All M6 Bolts tightened to Torque 5Nm | <input type="checkbox"/> |
| 8. All M8 Bolts tightened to Torque 6Nm | <input type="checkbox"/> |
| 9. All M10 Bolts tightened to Torque 7Nm | <input type="checkbox"/> |
| 10. Clean up of work area | <input type="checkbox"/> |

11. Comment

Fitted By:**Vehicle received and Checked by Dealer Staff:****Record Roof Rack Serial Number:****Checked By:**