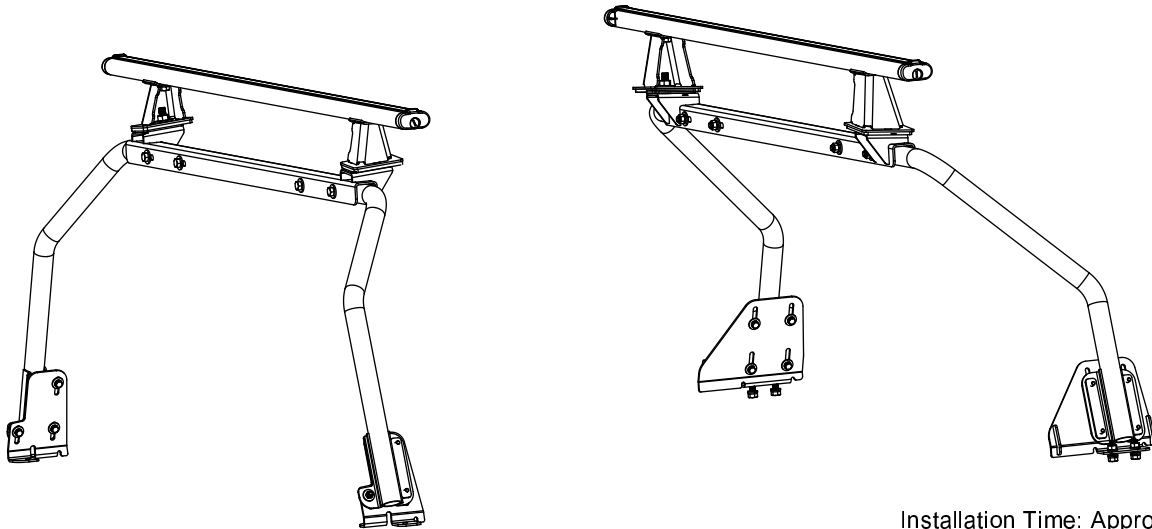


HOLDEN RG COLORADO/ ISUZU D-MAX 2012 - CANOPY ROOF RACK INSTALLATION INSTRUCTIONS



Installation Time: Approx. 2 Hours

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

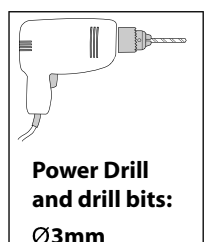
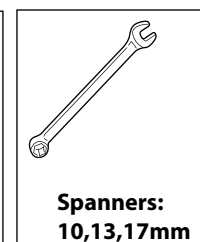
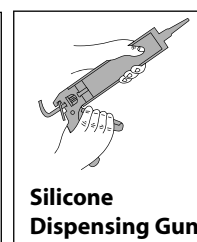
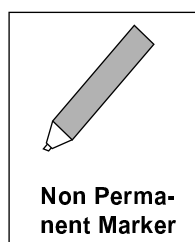
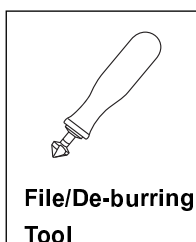
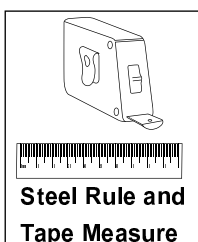
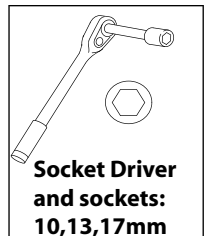
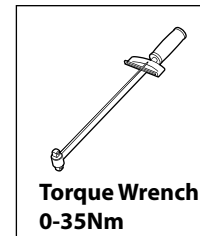
PLEASE REFER TO PAGE 2 OF THIS INSTRUCTION FOR A LIST OF PARTS AND QUANTITIES.

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.

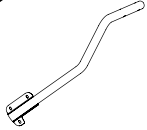
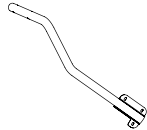
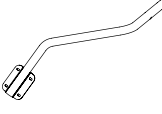
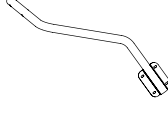
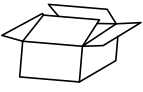
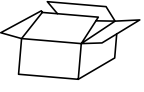
RECOMMENDED TOOL LIST - (Not Supplied in Kit)

- Thread Locking Liquid, Loctite 243
- Non Acetic Silicone (Neutral Cure)
- Cleaning Cloths / Rags



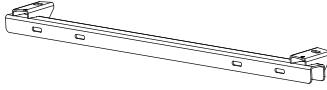
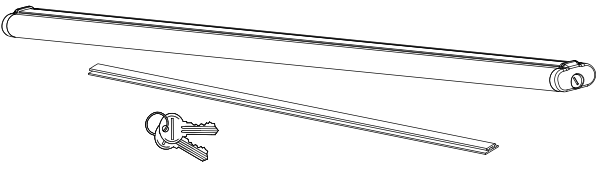
PARTS CHECK SHEET

PARTS IN MAIN CARTON

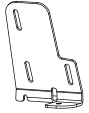
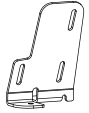
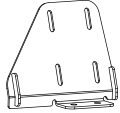















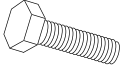
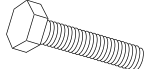
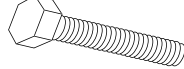




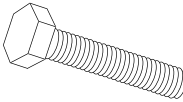




Front Tube LH Qty - 1	Front Tube RH Qty - 1	Rear Tube LH Qty - 1	Rear Tube RH Qty - 1	Roof Rack Kit Qty - 1	Hardware Kit Qty - 1
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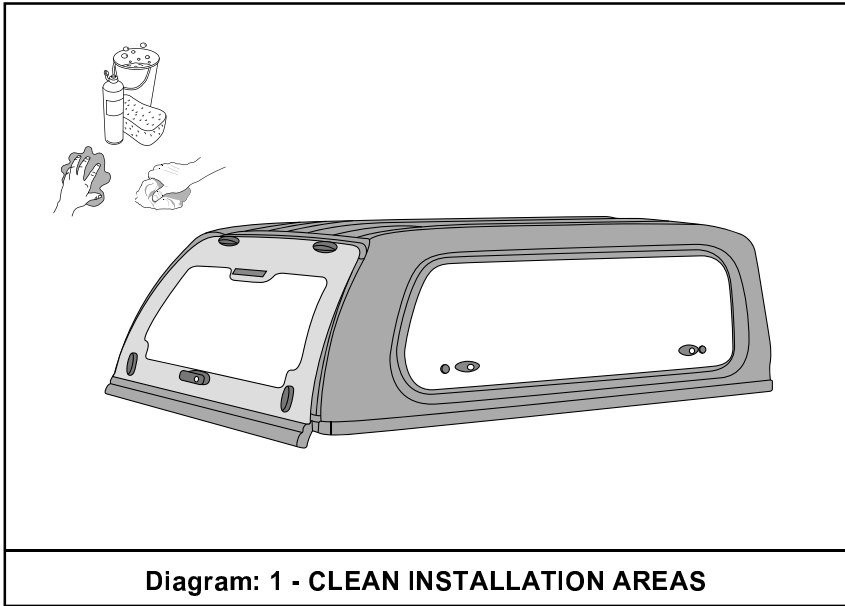
PARTS IN ROOF RACK KIT

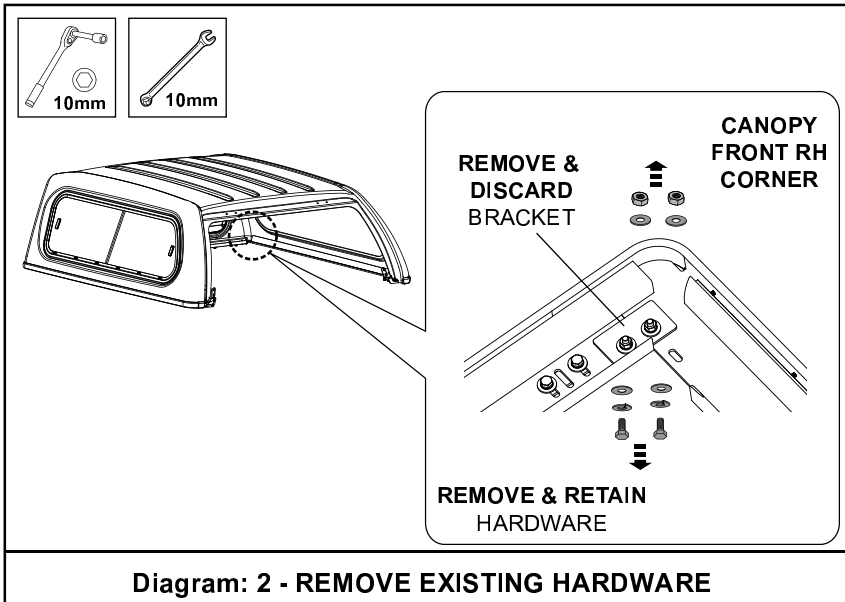
Centre Cross Brace Qty - 2	Roof Rack Extrusion with Endcaps, Keys & Rubber Extrusion (RACK0019) Qty - 2
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PARTS IN HARDWARE KIT

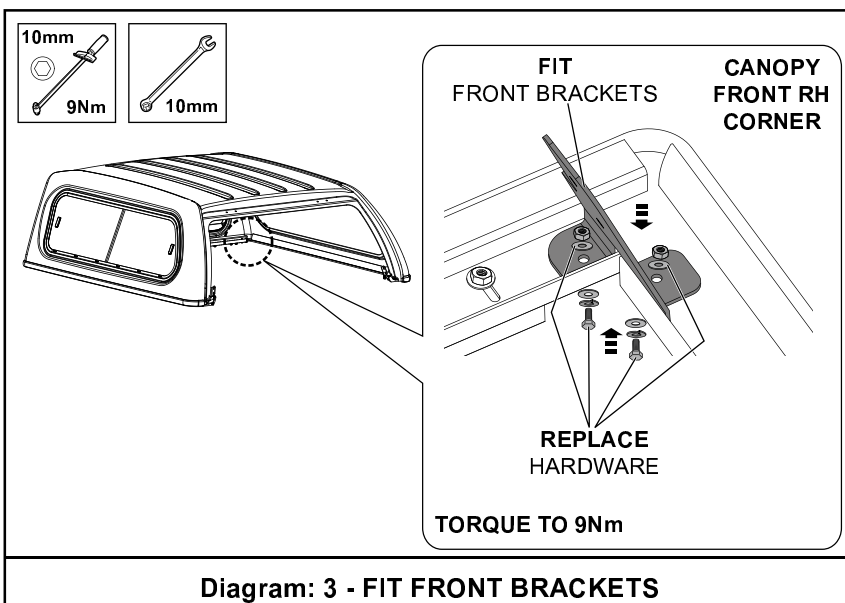
 Front Bracket LH Qty - 1	 Front Bracket RH Qty - 1	 Rear Bracket LH Qty - 1	 Rear Bracket RH Qty - 1	 Front Pedestal Bracket - A Qty - 1	 Front Pedestal Bracket - B Qty - 1
 Rear Pedestal Bracket - A Qty - 1	 Rear Pedestal Bracket - B Qty - 1	 M6 Threaded Plate Qty - 6	 M8 Threaded Block Qty - 4	 Steel Bush Qty - 4	 Internal Foam Pad 70x40mm Qty - 4
 External Foam Pad - A 83x80mm Qty - 2	 External Foam Pad - B 83x80mm Qty - 2	 M6x20mm Hex Head Bolt Qty - 14	 M6 Large Flat Washer Qty - 16	 M6 Spring Washer Qty - 14	 M6 Hex Nut Qty - 2
 M8x20mm Hex Head Bolt Qty - 4	 M8x25mm Hex Head Bolt Qty - 4	 M8x60mm Hex Head Bolt Qty - 8	 M8 Flat Washer Qty - 12	 M8 Flat Washer 22mm OD Qty - 16	 M8 Hex Nut Qty - 12
 M8 Spring Washer Qty - 16	 M10x40mm Hex Head Bolt Qty - 4	 M10 Flat Washer Qty - 8	 M10 Spring Washer Qty - 4	 M10 Hex Nut Qty - 4	 Fitting Instruction (FIT-CP0296) Qty - 1



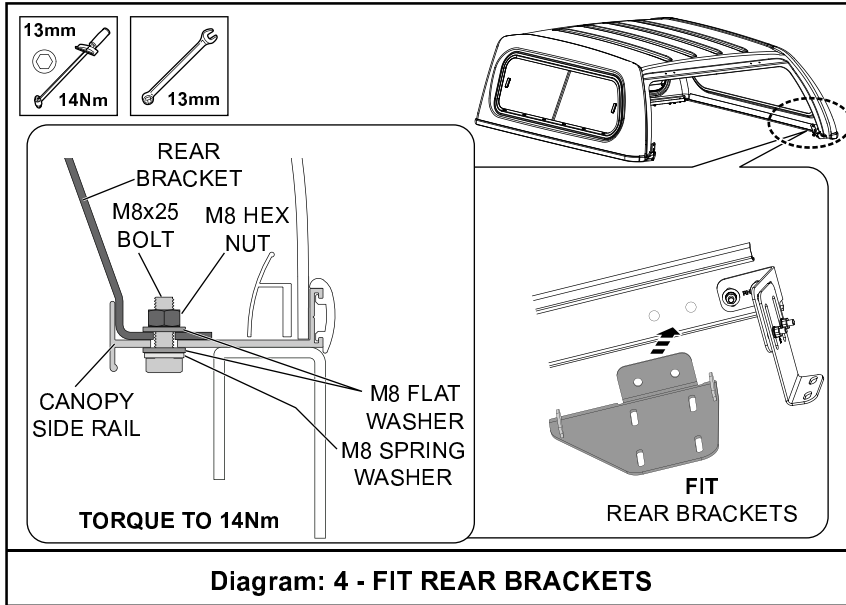
1. Thoroughly clean and dry installation areas (canopy and inside of the tub) as shown. (ref. diagram1).



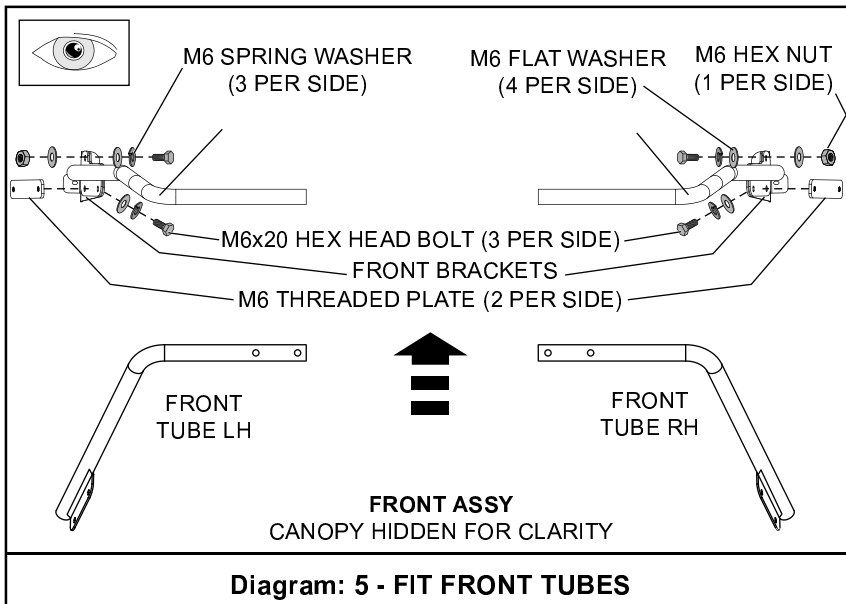
2. Open the vehicle's tailgate and canopy rear window. Inside the canopy at the front of the tub remove the corner brackets and hardware from both sides of the canopy as shown. Retain hardware to secure the front brackets in the next step. Discard the brackets. (ref. diagram2).



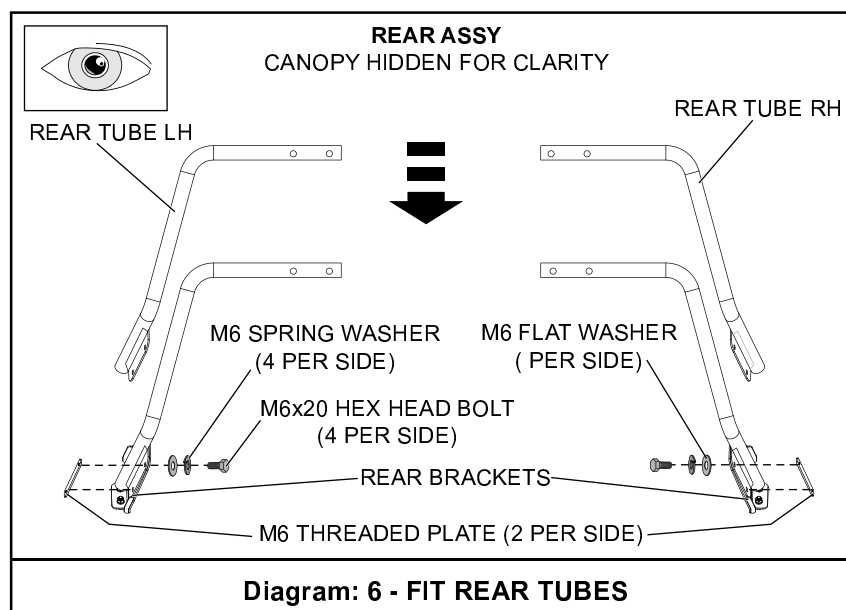
3. Position the front brackets LH and RH to the location on the canopy rails where the brackets were previously removed. Secure brackets to rails using hardware previously removed as shown. **⚠ Tighten to Torque 9Nm.** (ref. diagram3).



- Position the rear brackets LH and RH on the canopy rails aligning to the slots in rails as shown. Secure clamp brackets to rails using two M8x25mm bolts (liberally apply Loctite 243 to bolt threads), M8 spring washers four M8 flat washers and two M8 hex nuts (per side) as shown. **⚠ Tighten to Torque 14Nm.** (ref. diagram4).



- Fit the front tubes into the canopy. For the single hole at the front of the bracket, temporarily secure each side with one M6x20 hex head bolt, M6 Spring washer, two M6 flat washers and one M6 hex nut as shown. For the two holes at the rear, loosely secure each side with two M6x20 hex head bolts, M6 Spring washers, M6 flat washers and one M6 threaded plate as shown. **Finger Tighten only at this stage.** (ref. diagram5).



- Fit the rear tubes into the vehicle. Loosely secure each side with four M6x20 hex head bolts, M6 Spring washers, M6 flat washers and two M6 threaded plates as shown. **Finger Tighten only at this stage.** (ref. diagram6).

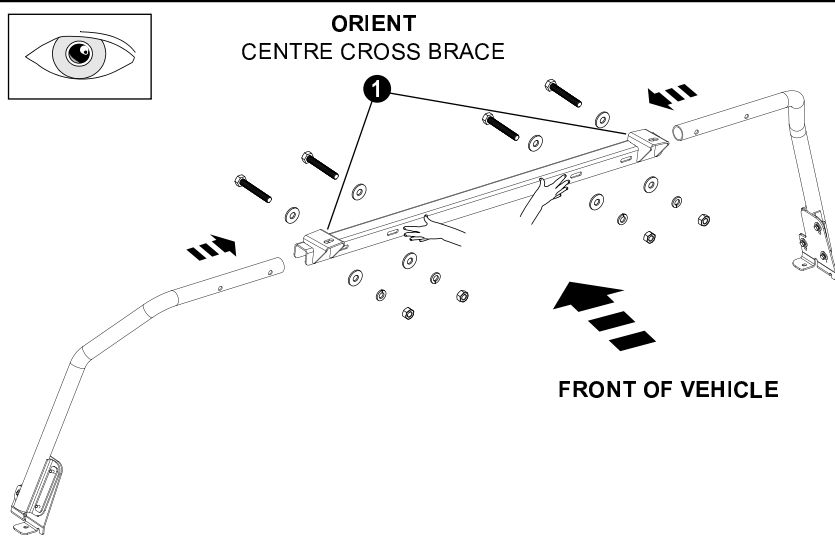


Diagram: 7 - ASSEMBLE FRONT TUBES

- Fit the centre cross brace over the top of side tubes and secure with bolts and nuts as shown. (ref. diagram7).

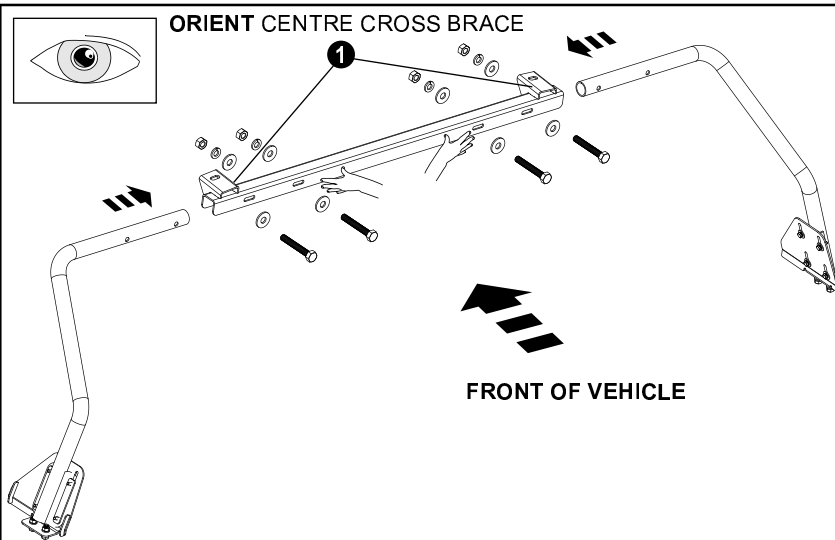


Diagram: 8 - ASSEMBLE REAR TUBES

- Fit the centre cross brace over the top of side tubes and secure with bolts and nuts as shown. (ref. diagram8).

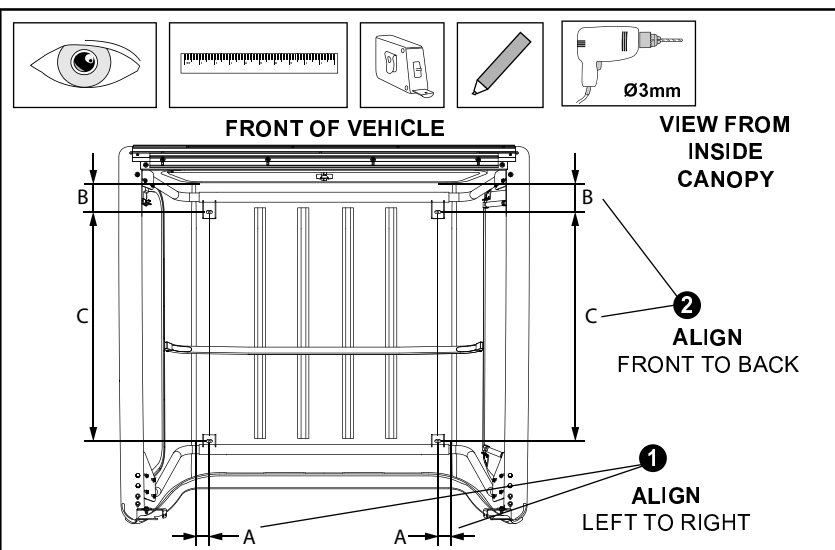


Diagram: 9 - ALIGN TUBE ASSEMBLIES & DRILL HOLES

- Check that the centre cross brace brackets are evenly positioned inside canopy roof, front and rear.
IMPORTANT: Adjust the centre cross braces 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 four bracket slots on the inside of the canopy roof as shown. From inside the canopy carefully drill the four holes with $\varnothing 3\text{mm}$ pilot drill. (ref. diagram9).

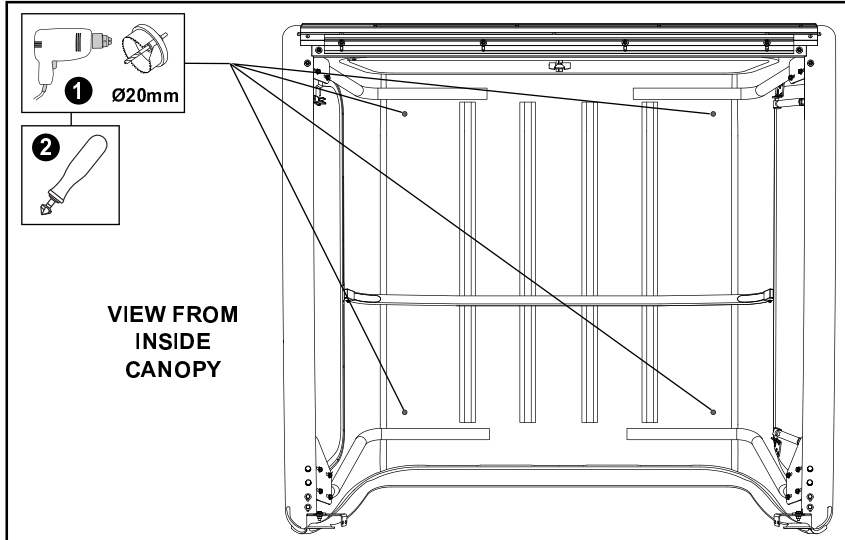
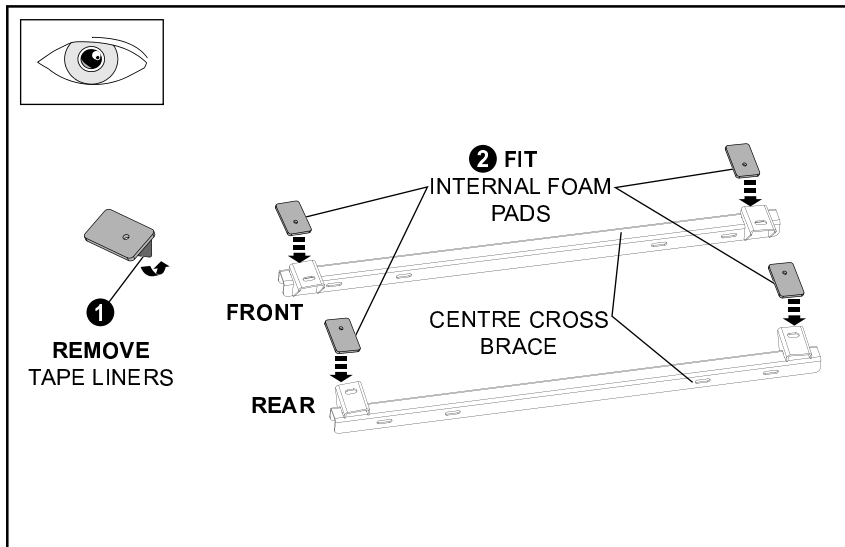


Diagram: 10 - DRILL HOLES AND DEBURR

10. Carefully re-drill the four holes with a Ø20mm hole saw. Remove all burrs and sharp edges, both inside canopy and on the roof of canopy. (ref. diagram10).



11. Remove tape liners from all four internal foam pads, and fit to the centre cross braces as shown. (ref. diagram11).

Diagram: 11 - APPLY FOAM PADS TO CENTRE CROSS BRACES

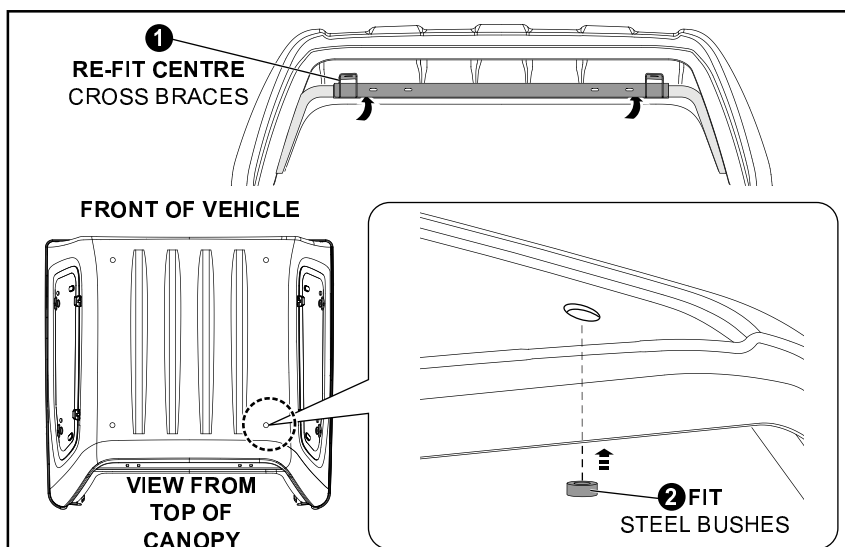


Diagram: 12 - RE-FIT TUBES & FIT STEEL BUSHES

12. Re-fit the centre cross braces front and rear. Finger tighten all M8 bolts and nuts. Fit the four steel bushes into the four Ø20mm drilled holes. (ref. diagram12). **IMPORTANT: If the steel bushes are very tight to fit, ream the holes out gradually until the steel bushes are a neat fit.**

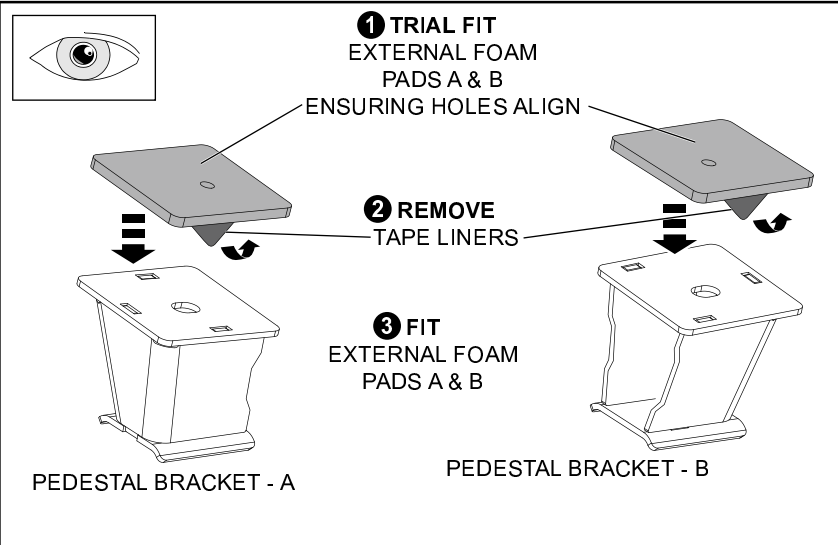


Diagram: 13 - FIT FOAM PADS TO PEDESTAL BRACKETS

- 13.** 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. diagram13). (Pedestal bracket ID's **A & B** are stamped on the base plate)

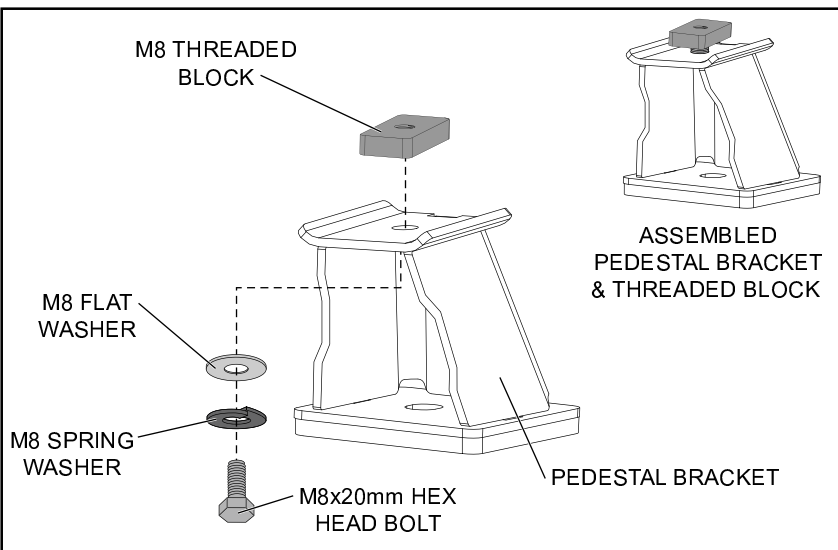


Diagram: 14 - FIT THREADED BLOCKS TO PEDESTAL'S

- 14.** Loosely fit one M8 threaded block to each of the four pedestal brackets using one M8x20 hex head bolt, M8 spring washer and M8 flat washer as shown. **Leave loose temporarily at this stage.** (ref. diagram14).

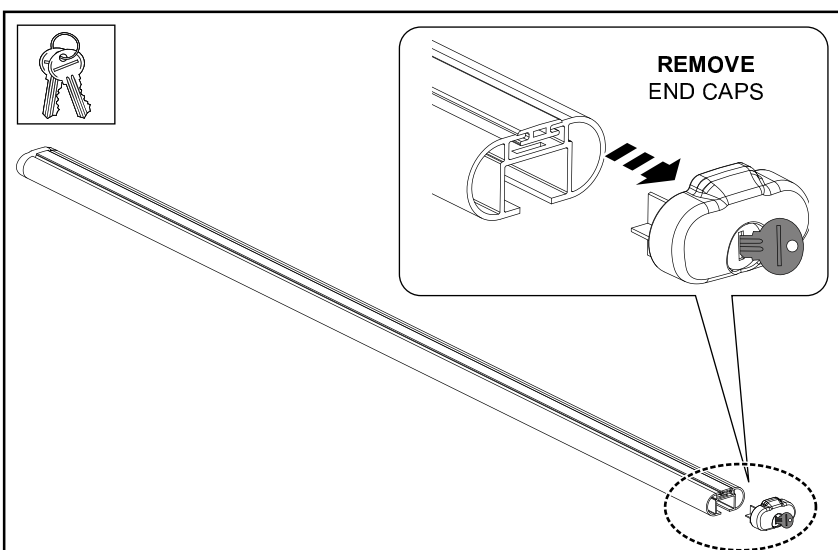


Diagram: 15 - REMOVE END CAPS FROM ROOF RACKS

- 15.** Using keys supplied remove and retain all end caps from the roof rack extrusions as shown. (ref. diagram15).

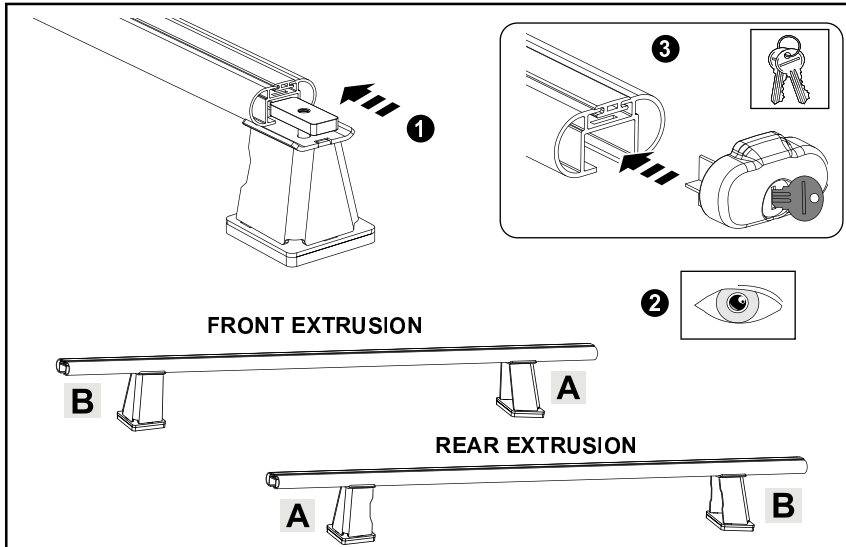


Diagram: 16 - FIT ROOF RACK EXTRUSIONS, REPLACE END CAPS

- 16.** 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.**
- NOTE:** Replace the end caps ensuring they are locked back in place with the keys. (ref. diagram16).

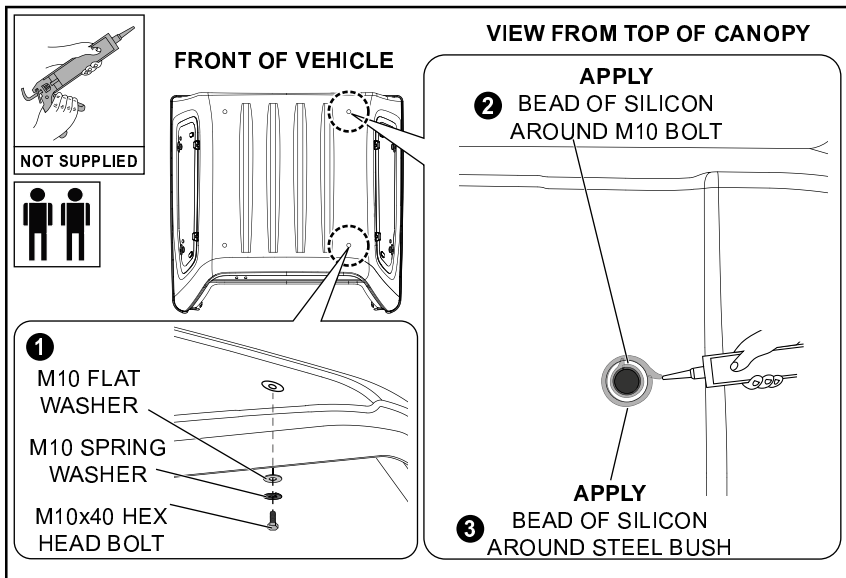


Diagram: 17 - FIT M10 BOLTS & APPLY SILICON

- Complete step 17 then step 18 for the rear pedestal brackets. Then repeat the process for the front pedestal brackets.
- 17.** 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. diagram17).

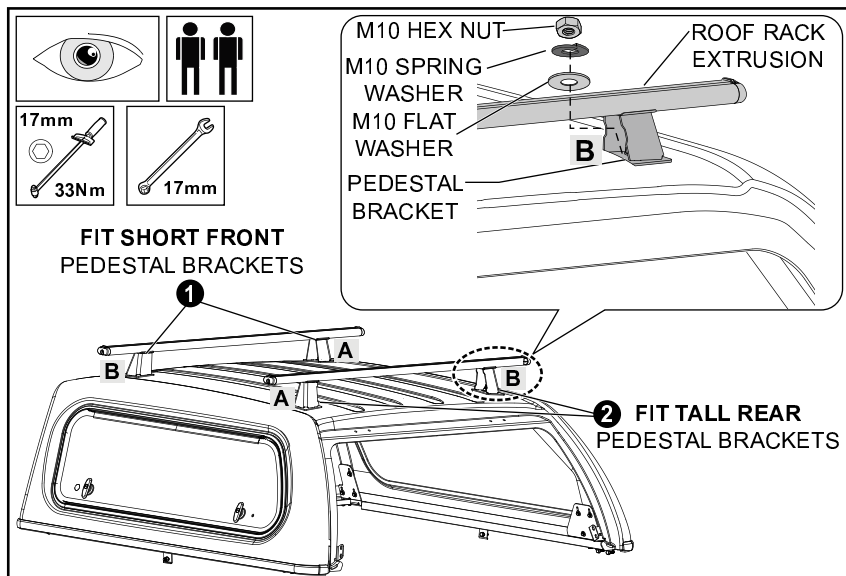
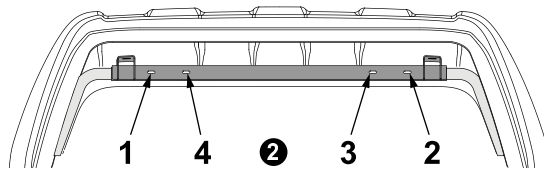
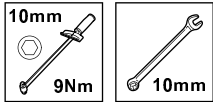


Diagram: 18 - FIT PEDESTAL BRACKETS / EXTRUSIONS TO CANOPY

- 18.** 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. **NOTE: Short bracket A to the Front RH and B to the LH side. Tall bracket A to the rear LH side and B to the RH side.** Secure each bracket to the M10 bolt with a M10 hex nut as shown.
- NOTE:** Tighten to Torque 33Nm. Ensure the pedestal brackets sit parallel across the canopy and do not rotate when tightening. (ref. diagram18).



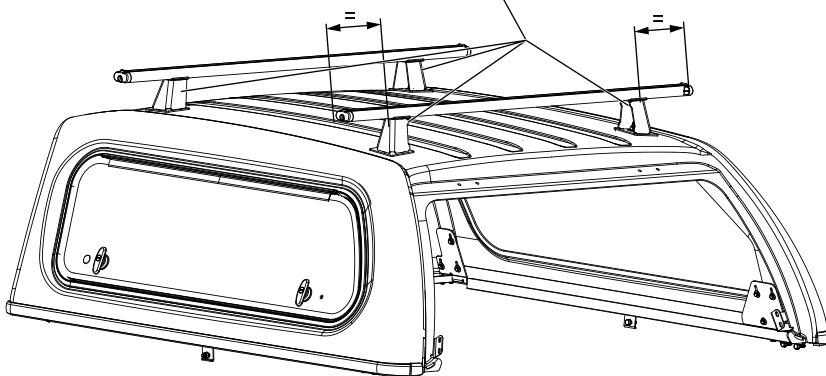
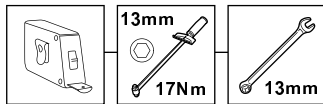
**TIGHTEN
ALL M8 BOLTS
TORQUE 17Nm**

**TIGHTEN
ALL M6 BOLTS
TORQUE 9Nm**



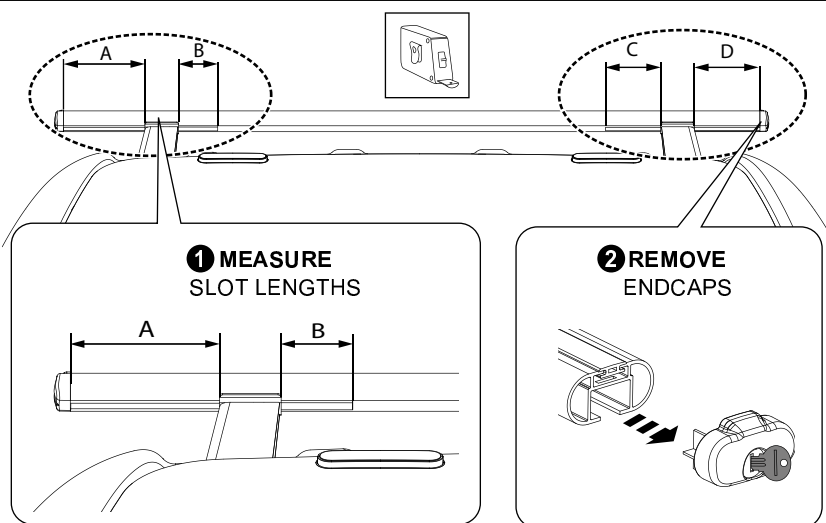
- 19.** First tighten the M8 bolts holding the centre cross brace to torque 17Nm, follow the order as shown.
- Next tighten all the M6 hex head bolts securing the tube assemblies to the brackets to torque 9Nm. (ref. diagram19).

Diagram: 19 - TIGHTEN TUBE ASSY M6 BOLTS



- 20.** Measure and adjust the roof rack extrusions so they are evenly positioned on the pedestal brackets as shown. Tighten the four M8 hex head bolts securing the roof rack extrusions to the pedestal brackets.
- Tighten to Torque 17Nm. Ensure the extrusion remain parallel across the canopy and the pedestal brackets do not rotate when tightening.** (ref. diagram20).

Diagram: 20 - SECURE ROOF RACKS

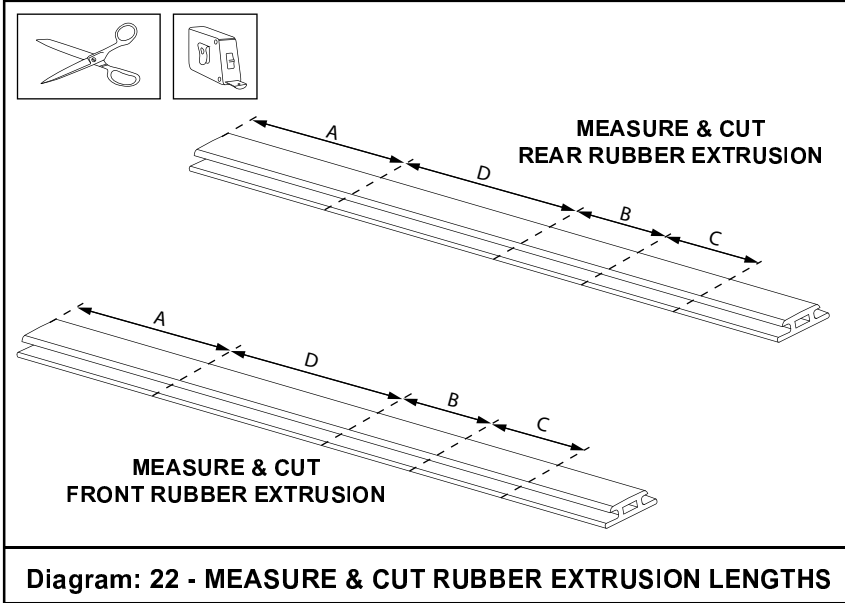


**1 MEASURE
SLOT LENGTHS**

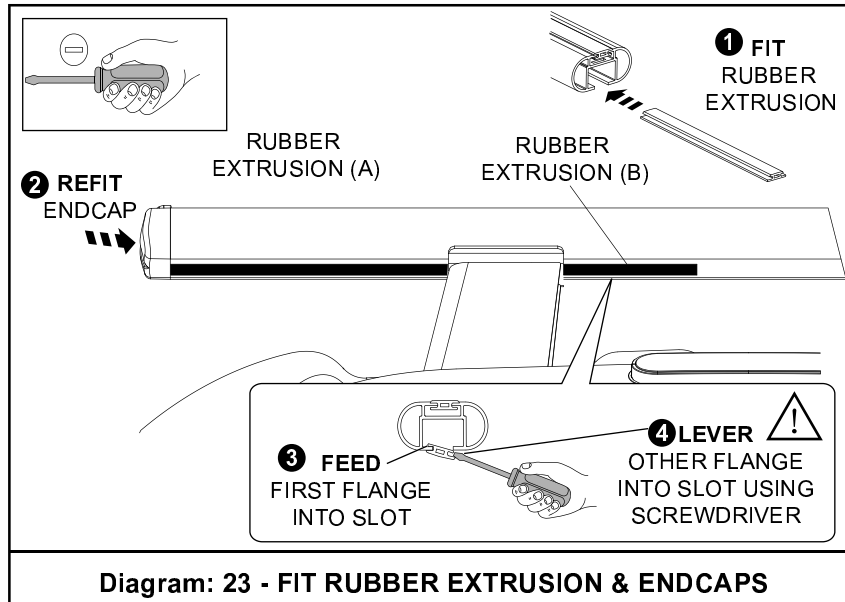
**2 REMOVE
ENDCAPS**

- 21.** Measure & note dim A, B, C and D. Repeat process for the other rail. Remove all endcaps.
- IMPORTANT: Ensure you measure all slot lengths so rubber extrusion fits neatly, as slot lengths may vary slightly from manufacture process.** (ref. diagram21).

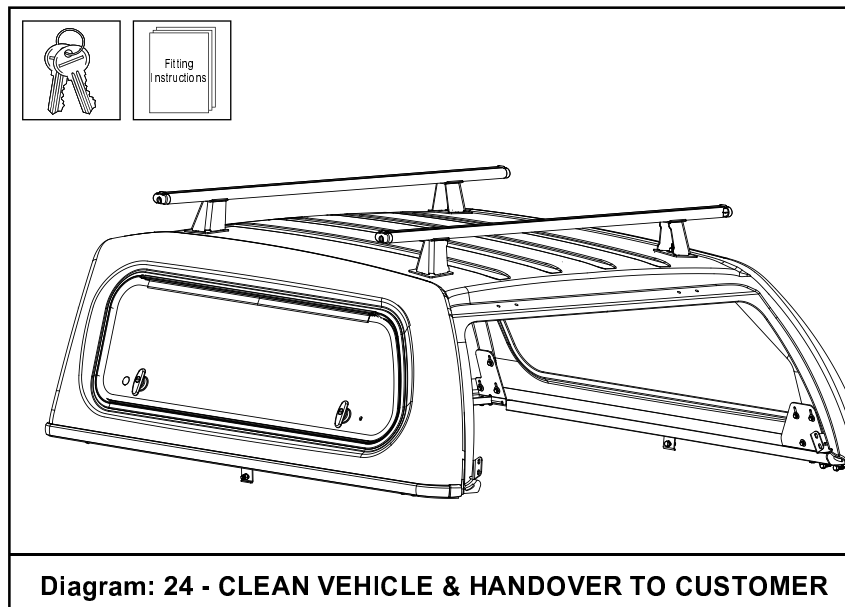
Diagram: 21 - MEASURE SLOTS & REMOVE ENDCAPS



22. One length of rubber extrusion has been supplied. Measure and cut length of extrusion into 4 pieces as measured in step 21. (ref. diagram22).



23. Slide rubber extrusion (A) into end of roof rack extrusion and refit the endcap. Fit rubber extrusion (B) into the internal slot of roof rack extrusion, by placing one flange of extrusion inside slot and carefully use a screwdriver to lever the other flange into the slot as shown. **IMPORTANT: Take care with screwdriver to ensure you do not scratch the painted roof rack extrusion.** Repeat process for remaining extrusion. (ref. diagram 23).



24. IMPORTANT: Re-check that all bolts have been correctly torqued. 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. diagram24).



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



WARNING! - SAFETY!

- Total Load to be carried on this Roof Rack system is 150kg Maximum for on-road and off-road driving.
- Loads must be distributed as evenly as possible across 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 they 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.
- Remember that the roof racks increase the overall height of the vehicle.

Maintenance

- Only use mild detergents.
- 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.
- If Roof racks are removed, all bolts must be re-tightened on refitting to specified values.
- The roof racks should be removed regularly to clean adjoining vehicle surfaces and attachment locations. Bolts and nuts should be lubricated at regular intervals. Tightening torque must be checked to be as indicated at least once every 1000km.



ROOF RACK

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

2. Silicon applied to top of canopy around bush spacer & M10 Bolt Thread

3. EPDM foam tape pads adhered to internal and external brackets

4. All end caps locked onto roof rack extrusions with the keys supplied

5. Roof rack end cap keys handed over to the Customer

6. Roof Racks positioned evenly on the vehicle.

7. All M6 Bolts tightened to Torque 9Nm

8. All M8 Bolts tightened to Torque 17Nm

9. All M10 Bolts tightened to Torque 32Nm

10. Clean up of work area

11. Comment

Fitted By:

Vehicle received and Checked by Dealer Staff:

Record Roof Rack Serial Number:

Checked By: