



RAM 1500 DT 2019+

Scout Roof Rack FITTING INSTRUCTION

IMPORTANT! – READ BEFORE INSTALLATION

- This product must be installed exactly as per these instructions using only hardware supplied.
- Take a few moments to read instructions thoroughly before beginning work.
- In the event of damage to any bar component please contact OFFROAD ANIMAL to arrange repair/replacement of components.
- Do not use this product for any vehicle make or model other than that specified on these instructions.
- Do not remove labels from this product.
- This product and its fixings must not be modified in any way unless stated in these fitting instructions.
- The installation of this product is recommended for trained personnel.
- These instructions are correct at time of publication. OFFROAD ANIMAL cannot be held responsible for the impact of any changes subsequently made by the vehicle manufacturer. If you find something has changed please contact us to let us know!
- During installation it is the duty of the installer to check correct operation/clearances of all components.
- If Instructions are to be printed for reference in the workshop, it is recommended that they are printed in colour, for best legibility.

Vehicle roof rated to 100kg on road and 66kg offroad Rack weight = 27kg Load Capacity = 73kg on road and 39kg off road



PARTS LISTING

IMPORTANT: Check all parts are present before beginning work! Contact OFFROAD ANIMAL if something is missing.

Main Parts – In the Box

Qty	Part Number	Description	Image
1	B-0616L	Scout Roof Rack Side Rail - RAM 1500	$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \end{array}\\ \end{array}\\ \end{array}\\ \end{array}\\ \end{array}\\ \end{array}\\ \end{array}\\ \end{array}\\ \end{array}\\ \begin{array}{c} \end{array}\\ \end{array}\\ \end{array}\\ \end{array}\\ \end{array}\\ \begin{array}{c} \end{array}\\ \end{array}\\ \end{array}\\ \end{array}\\ \end{array}\\ \begin{array}{c} \end{array}\\ \end{array}\\ \end{array}\\ \end{array}\\ \begin{array}{c} \end{array}\\ \end{array}\\ \end{array}\\ \end{array}\\ \end{array}\\ \begin{array}{c} \end{array}\\ \end{array}\\ \end{array}\\ \end{array}\\ \begin{array}{c} \end{array}\\ \end{array}\\ \end{array}\\ \end{array}\\ \end{array}\\ \begin{array}{c} \end{array}\\ $
1	B-0616R	Scout Roof Rack Side Rail - RAM 1500	
1	B-0617	Scout Roof Rack Std Wind Deflector - Ram	
6	RR-IDM-RG 21-SCT- ASM2	SCOUT RACK- MOUNTING BLOCK	

Optional Light Bar Kit – Purchased Separately

Qty	Part Number	Description	Image
1	B-0618	Scout Roof Rack Light Bar Wind Deflector - RAM	



Cross Bar Kit

Qty	Part Number	Description	Image
6	E-0006-1375	Scout Roof Rack – Cross Bar Extrusion 1375MM	

Small Parts – Contained in Small Parts Kit Bag

QTY.	PART NO.	DESCRIPTION
17	M8 X 16 BHCS BZP	SCREW, BUTTON HEAD CAP,
		M8X16X1.25
		GR12.9 BLACK ZP
41	M8 FLAT WASHER-	M8 FW- BLACK ZINC
	BLACK ZINC	
17	M8 NUT	Hex Nut, M8x1.25 G8.8 ZP
24	M8 X 20 BHCS BZP	SCREW, BUTTON HEAD CAP,
		M8X20X1.25 GR12.9 BLACK ZP
6	M6 FLANGE NUT	Flange Nut, M6x1 G8.8 ZP
6	M6 FLAT WASHER	M6 FW BLACK ZP
	BLACK ZINC	
6	M6x20 BHCS BLACK	SCREW, BUTTON HEAD CAP, M6X20X1
	ZINC	GR12.9 BLACK ZP
12	M8 Nutsert	M8 Nutsert
6	M8 X 25 HEX	Bolt Hex, M8X25X1.25, 8.8 Grd
12	M8 FLAT WASHER	M8 FW
12	M8 SW	M8 Spring washer
6	M8 FLANGE NUT	Flange Nut, M8x1.25 G8.8 ZP
12	M8 x 35 Hex	M8 x 35 x 1.25 Hex bolt Grd 8.8
2	OFA-LOGO	OFFROAD ANIMAL METAL LOGO



TOOLS REQUIRED

The following tools will be required to install the product. Note Extra Tools will be required for fitment of track kit. Refer to track kit

Hand Tools	Power Tools	Workshop Supplies
Metric Socket Set 8-	5mm Drill Bit	Soft Blanket
19mm	9mm Drill Bit	Rag
Socket Extension Bar	11mm Drill Bit	Isopropyl Alcohol
Metric Spanner Set 10-	Electric Drill	Automotive grade
19mm	Angle Grinder w Cutoff	sealant (Sikaflex 227
Hex (Allen) Key Set 4-	Wheel	Recommended)
6mm		Masking Tape
Marker Pen		
Centre Punch		
De-Burring Tool		
Trim Tool		
Nutsert Tool		
M8x1.25p Nutsert		
Mandrel		

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WORKSHOP SAFTEY

It is the responsibility of the installer to always complete works in a safe manner. Make sure the following safety equipment is available and precautions are observed whilst fitting this product.

Hearing Protection	Always wear ear protection when using power tools.
Eye Protection	Ensure eye protection is always worn when cutting or drilling.
Manual Handling	Do not attempt to lift bar assemblies or rock sliders on your own. Always use two people to lift or use mechanical Lifting aid such as hydraulic lifting trolley.
Vehicle Support	Always ensure vehicle is properly supported when working on it. Do not attempt to fit products whilst suspension work is being carried out. Do not work under a vehicle supported only by a jack.



180mm Approx	
 Assemble the roof rack. Start by setting out the 6 extrusion cross bars on a table. Position them so they sit approximately 180mm apart (edge to edge). 	TOOLS REQUIRED
	FASTENERS

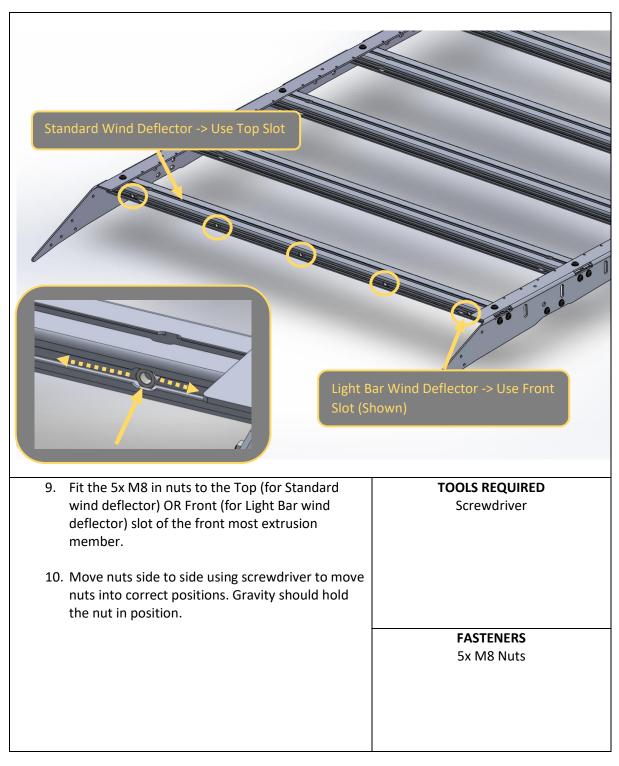


2. Fit the side rail to the ext	trusion,	TOOLS REQUIRED
	n the ends of the extrusions ge of a table / workbench.	5MM Hex Key
 Secure with M8x20mm E Washers as shown. 	Button head bolts and M8 Flat	
4. Complete for other side	of rack also.	FASTENERS M8x20 BHCS and Flat Washers

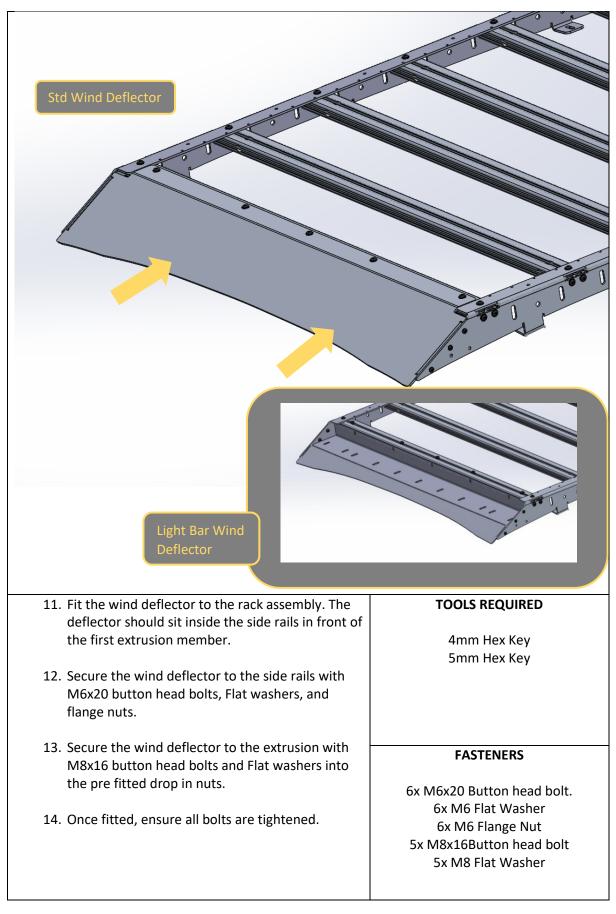


	Align With Hole	
5.	Insert M8 Nut into each track for securing top face of side rail.	TOOLS REQUIRED 5MM Hex Key
6.	Drop nut into slot in extrusion, then slide nut sideways in slot and align with hole in the side arm.	
7.	Secure with M8x16 Button head bolt and washer.	FASTENERS
8.	Complete steps for the other side of the rack assembly to fit the other side rail.	M8x16 Button head bolts. M8 Flat Washers



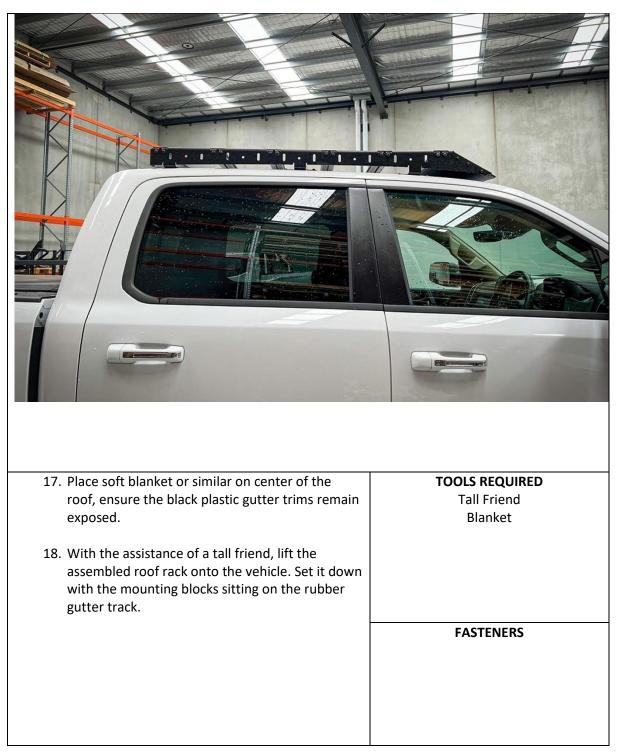




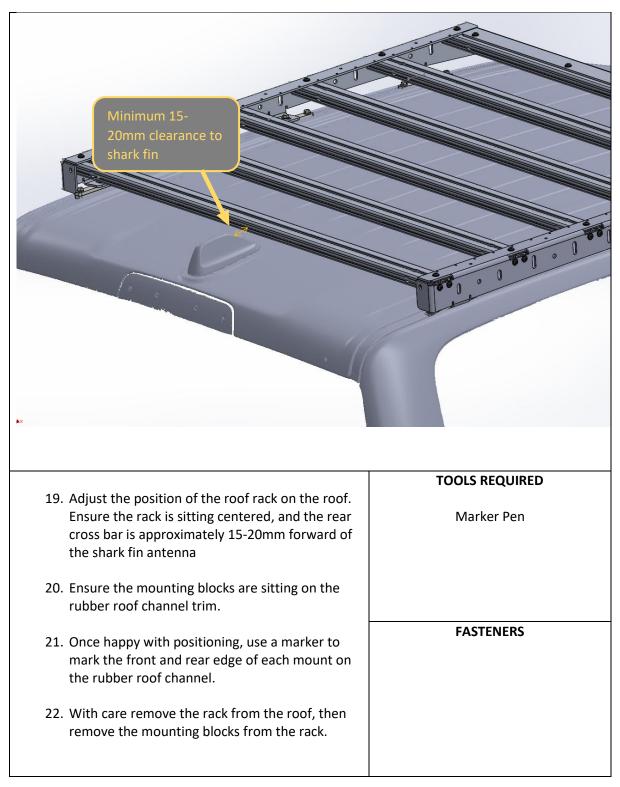


OFFROAD ANIMAL	RR-R15-DT-19-SCT-ASM Fitting Instruction	40 RAM1500 DT 2019+ Scout Roof Rack
Insert bolt from underneath block		
 15. Temporarily fit the mounti rack feet, using M8x25 Here 16. Position the mounting bloch of the foot and approxima slot. Tighten nuts finger tig position. 	x Bolts M8 Flange Nuts cks parallel to the edge tely centered in the	TOOLS REQUIRED FASTENERS 6x M8x25 Bolt 6x M8 Flange Nut



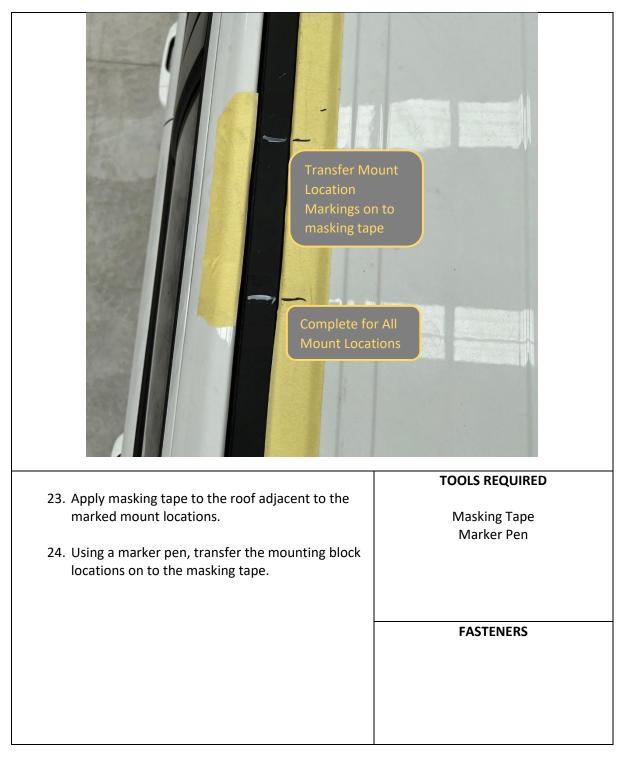




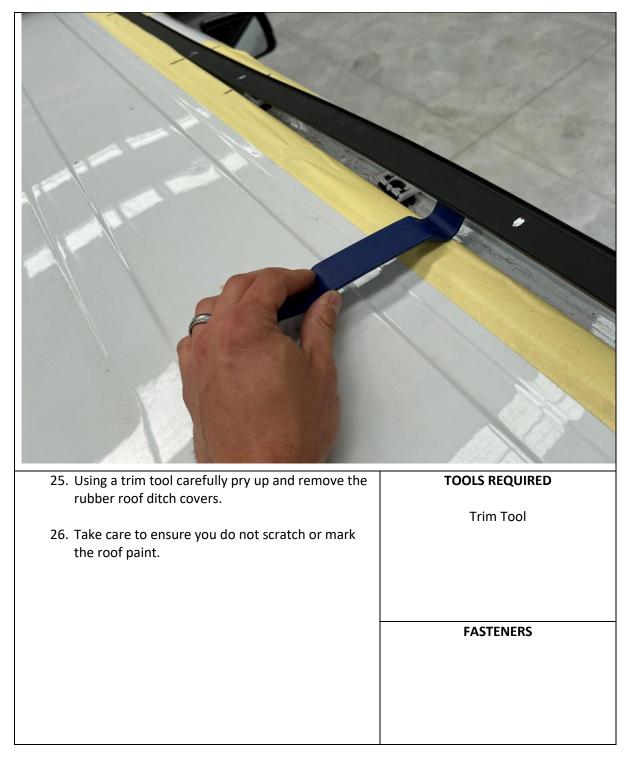




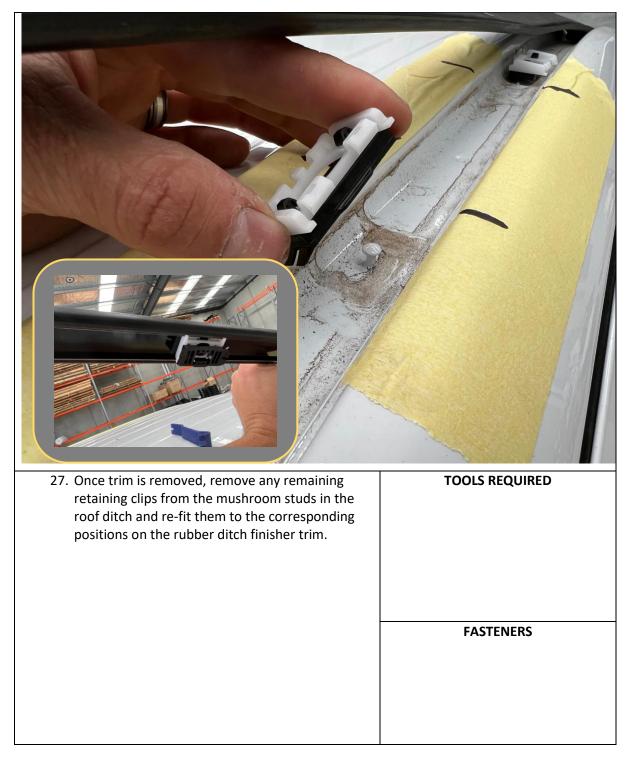
RAM1500 DT 2019+ Scout Roof Rack



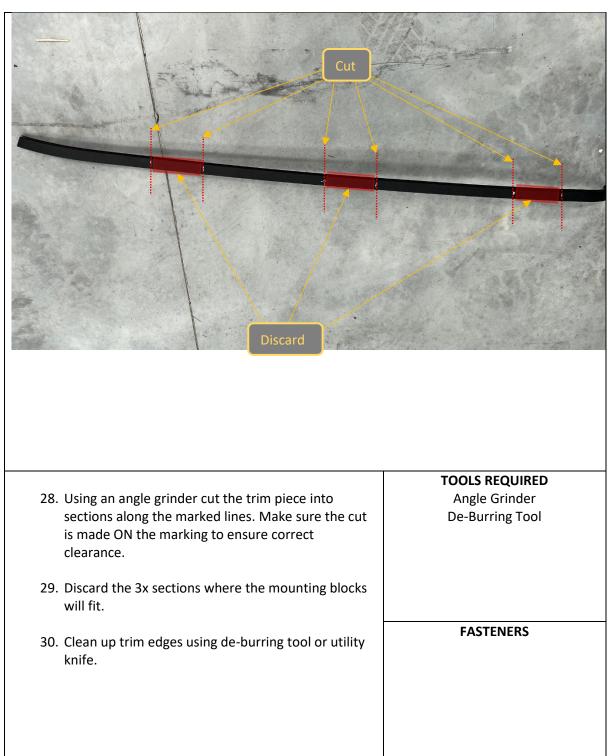


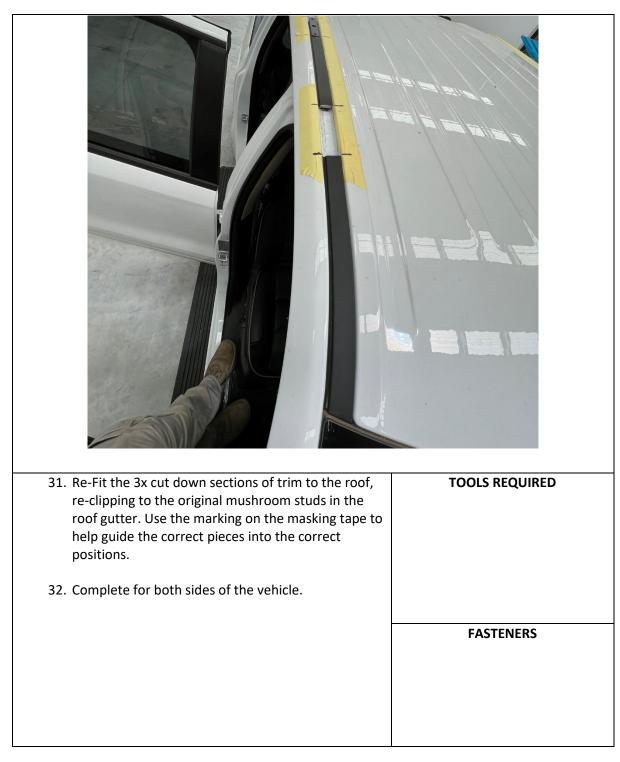














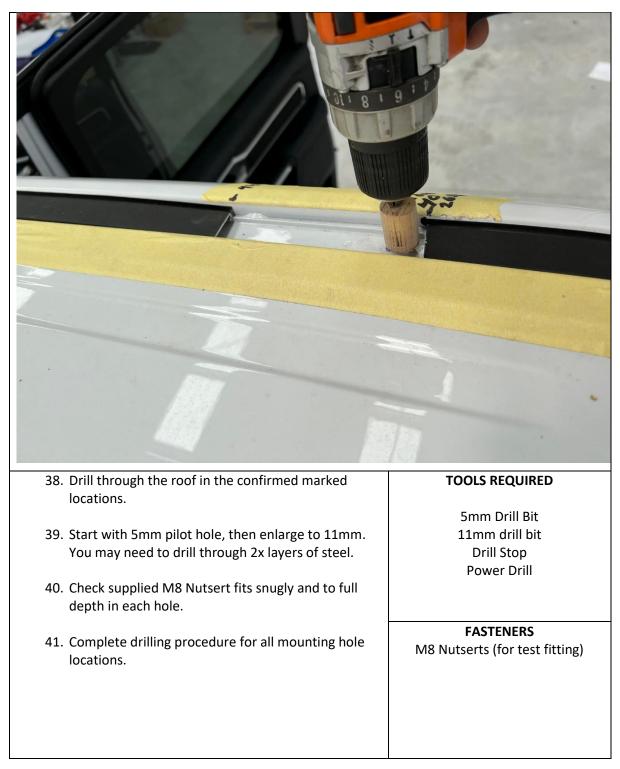


- 33. Apply masking tape to the roof ditches in the mounting block locations.
- 34. Place the 6x mounting blocks in the gaps from the gutter sections.
- 35. **IMPORTANT:** Double check if the block positioning is correct, by lifting and placing the rack on the blocks to ensure the center holes of the block and slots of the rack line up
- 36. Use 9mm drill bit and spin it by hand to mark the centre spot in the tape. Then remove and use a centre punch to mark the drill locations on roof (the outside holes on each block)
- 37. For all drilling operations ensure you use a drill stop or create one by wrapping many layers of tape on the drill bit so you can ensure only 10mm of drill bit pokes through the roof

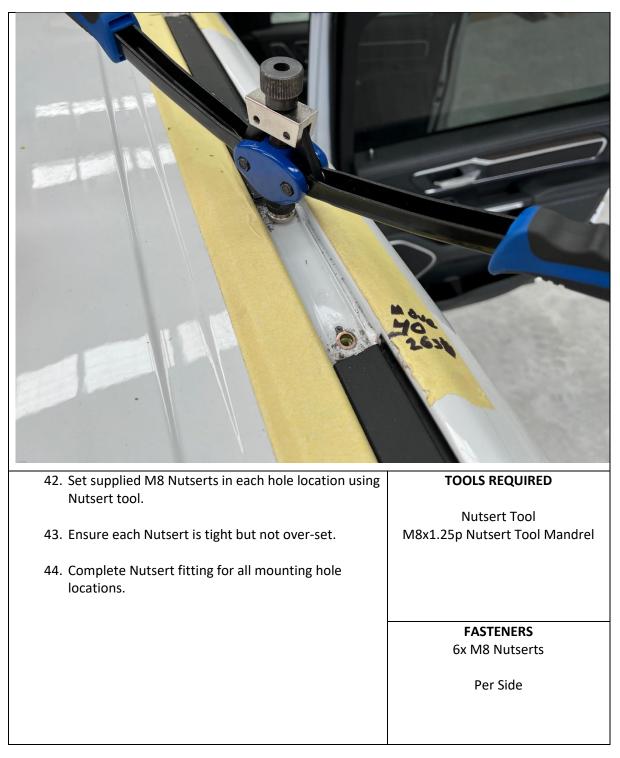
TOOLS REQUIRED Tall Friend 9mm Drill Bit Centre Punch Drill Stop Masking Tape

FASTENERS



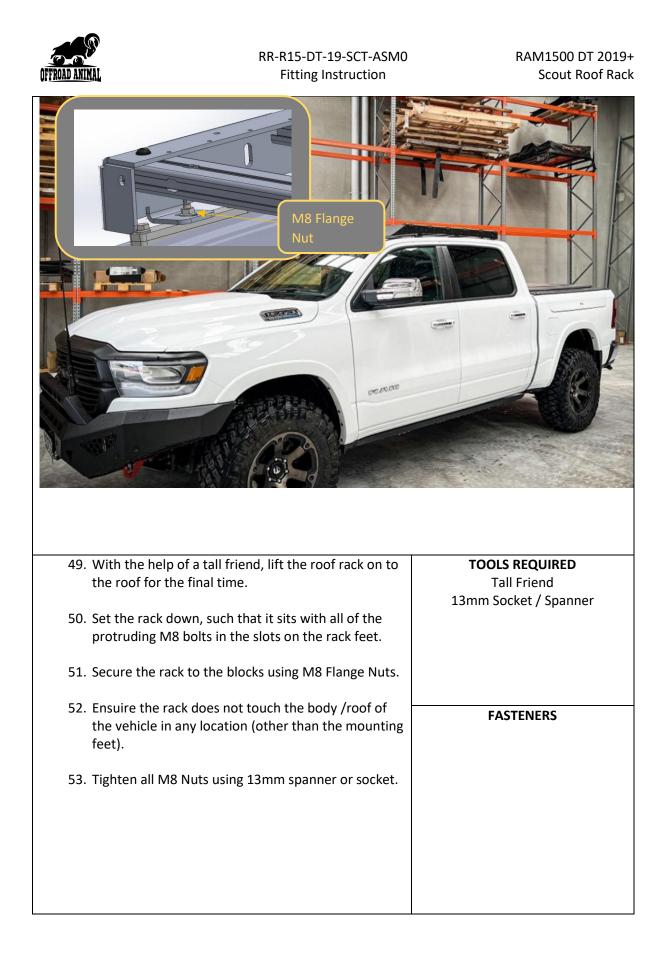








M8x25 Bolt	
M8x35 Hex, Flat Washer + Spring washer into Nutsert	
 45. Fit M8x25 Hex bolt into the mounting block. 46. Apply generous beads of automotive sealant, such as Sikaflex 227 around each Nutsert location and along the length of the block 47. Fit the block to the roof, securing to the Nutsert with M8x35 hex bolts, M8 Flat washers and spring washers. 48. Complete mounting block fitment procedure for all mounting blocks. 	TOOLS REQUIRED 13mm Socket / Spanner FASTENERS 6x M8 Nutserts Per Side







- 54. Double Check all Fasteners are tight.
- 55. Fit the Offroad Animal logo plates to the rack using the adhesive backing. We recommend putting them on the side near the front mount.
- 56. With That you are done! Head Bush and Enjoy your new rack!

For contact details see www.offroadanimal.com