



Toyota Hilux Dual Cab Ute

N80 2015 - on

Scout Roof Rack

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.
- **This Product requires the fitment of Rhino Rack RTS-556 roof track kit.**

GENERAL CARE AND MAINTENANCE

Only wash the product with a PH neutral car wash to prevent paint damage and discolouration.

Plastic parts may be maintained with silicone spray.

Do not use acidic or alkaline based cleaning products.

It is important to perform regular checks (pre trip or on an annual basis) on the installed product. Checks include:

- Visual inspection for damage (eg. cracks, chips, dents etc.)
- Electrical wiring is not rubbing anything or worn out
- Bolts are torqued to correct specification (see torque guide below)

For touching up small stone chips, Offroad Animal recommends the following paint products:

- Dupli-Color Trim & Bumper Paint Black (TB101)
- VHT Hood, Bumper & Trim Paint Black (SP27)

BOLT TORQUE SETTINGS

Use the following bolt torques on all general fasteners, unless otherwise specified.

GENERAL FASTENERS	
Size	Torque Nm
M5	5 Nm
M6	9 Nm
M8	22 Nm
M10	44 Nm
M12	77 Nm

Use the following bolt torques on all structural front bar mount and tow point fasteners, and rear towbar fasteners, unless otherwise specified.

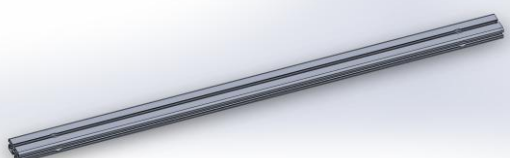
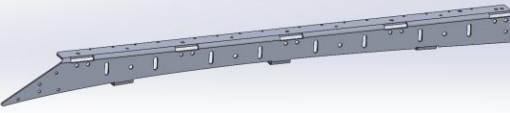
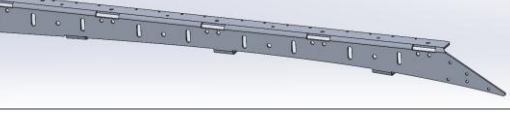
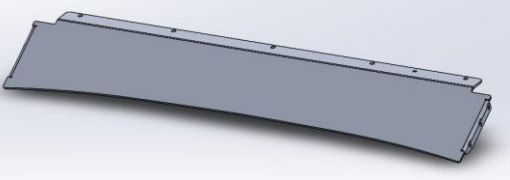
FRONT BAR MOUNTS AND TOW POINTS + REAR TOWBAR	
Size	Torque Nm
M10	57 Nm
M12	100 Nm
M14	164 Nm
M16	248 Nm

Always use a torque wrench to set correct torque settings. Ensure torque wrench is set to Nm unit of measurement. Otherwise perform conversion to lb-ft.

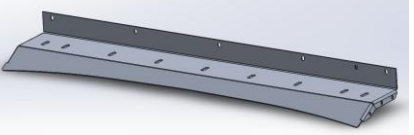
PARTS LISTING

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
5	E-0006 - 1150	Scout Roof Rack – Cross Bar Extrusion 1150MM	
1	B-0509L	Scout Roof Rack Side Rail - N80 Hilux	
1	B-0509R	Scout Roof Rack Side Rail - N80 Hilux	
1	B-0510	Scout Roof Rack Std Wind Deflector - N80 Hilux	

Optional Light Bar Kit – Purchased Separately

Qty	Part Number	Description	Image
1	B-0511	Roof Rack Light Bar Wind Deflector – N80 Hilux	



Small Parts – Contained in Small Parts Kit Bag

QTY.	PART NO.	DESCRIPTION
17	M8 X 12 BHCS BZP	SCREW, BUTTON HEAD CAP, M8X12X1.25 GR12.9 BLACK ZP
20	M8 X 16 BHCS BZP	SCREW, BUTTON HEAD CAP, M8X16X1.25 GR12.9 BLACK ZP
6	P-0127	Roof Rack - Rhino Track Nut Plate M8
6	M6 FLANGE NUT	Flange Nut, M6x1 G8.8 ZP
6	M6 FLAT WASHER BLACK ZINC	M6 FW BLACK ZP
6	M6x20 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M6X20X1 GR12.9 BLACK ZP
17	M8 Nut	Hex Nut, M8x1.25 G8.8 ZP
43	M8 FLAT WASHER- BLACK ZINC	M8 FW- BLACK ZINC
6	M8 X 20 HEX	Bolt Hex, M8X20x1.25, GR8.8 ZP
2	OFA-LOGO	OFFROAD ANIMAL METAL LOGO



TOOLS REQUIRED

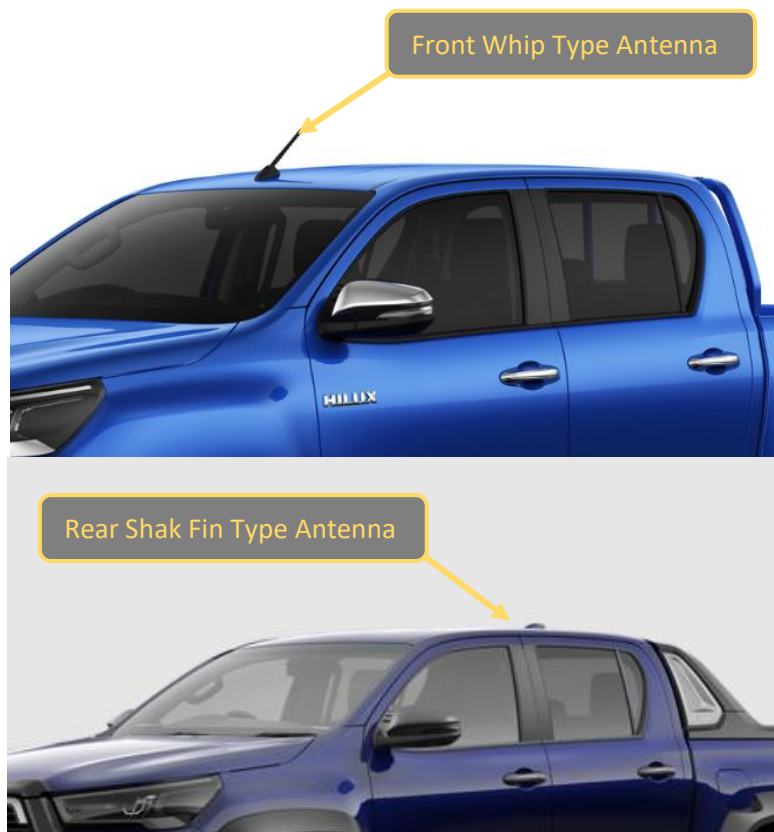
The following tools will be required to install the product. Note Extra Tools will be required for fitment of track kit. Refer to track kit

Hand Tools	Power Tools	Workshop Supplies
Metric Socket Set 8-19mm Socket Extension Bar Metric Spanner Set 10-19mm Hex (Allen) Key Set 4-6mm		Soft Blanket

WORKSHOP SAFETY

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.



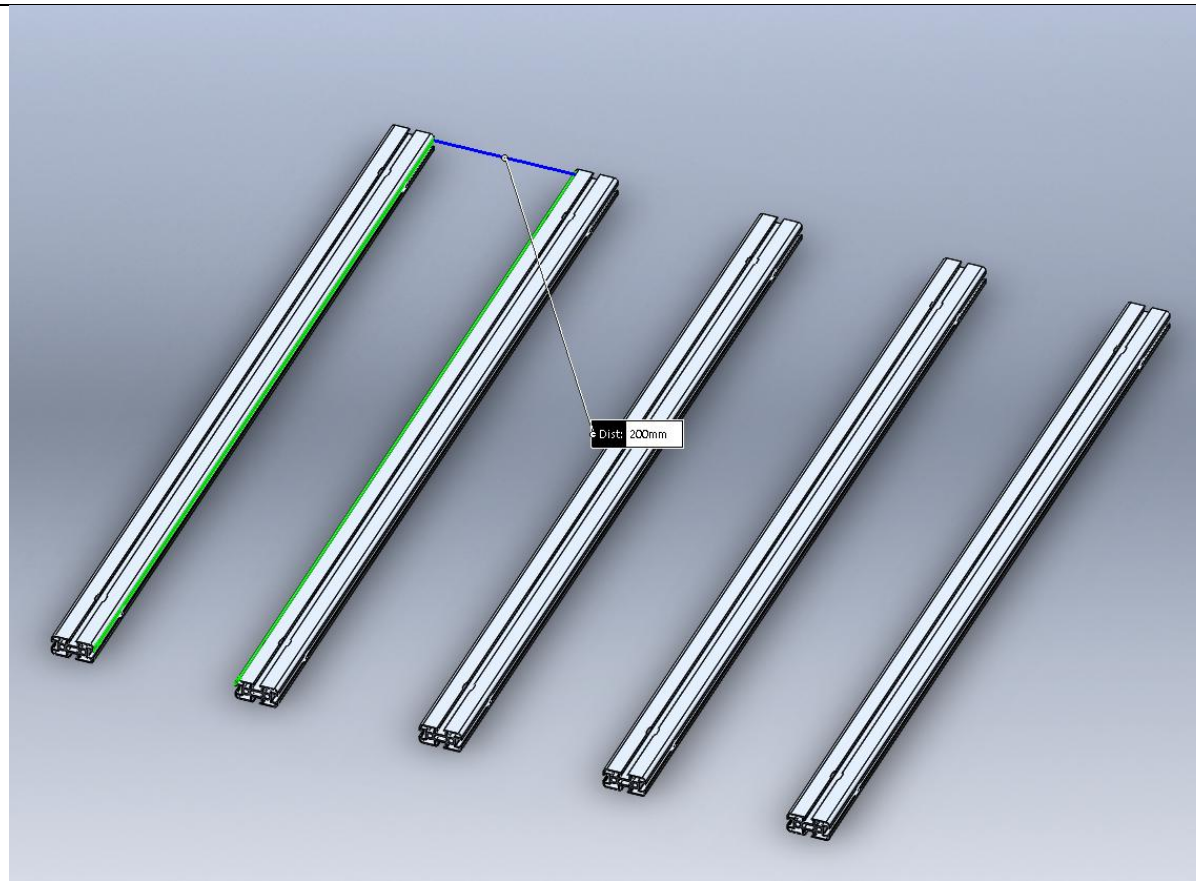
1. Visually inspect the roof to determine if vehicle is fitted with front whip type or rear shark fin type antenna. Ensure specific steps relevant to each antenna type are followed in the subsequent steps.
2. Fit the Track kit to the vehicle. Follow the instructions provided with the track kit.

TOOLS REQUIRED

Refer to track fitting instructions

FASTENERS

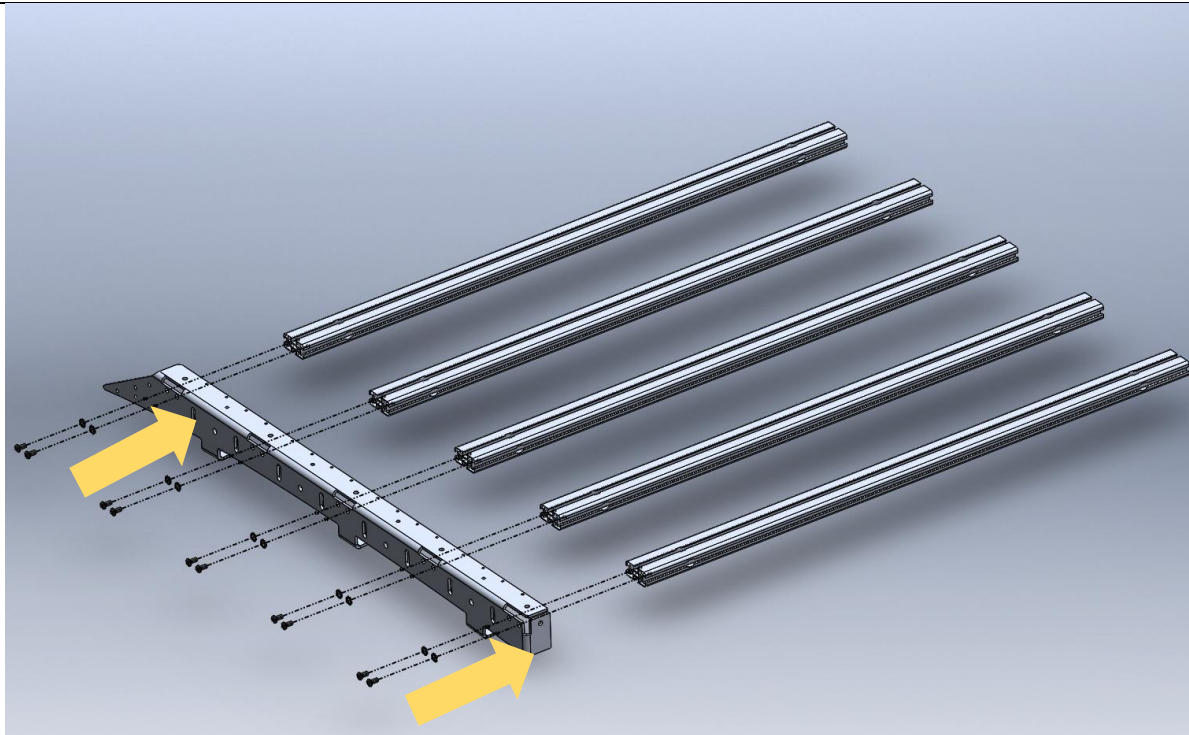
Refer to track fitting instructions.



3. Next Assemble the roof rack. Start by setting out the 5 extrusions on a table. Position them so they sit approximately 200mm apart.

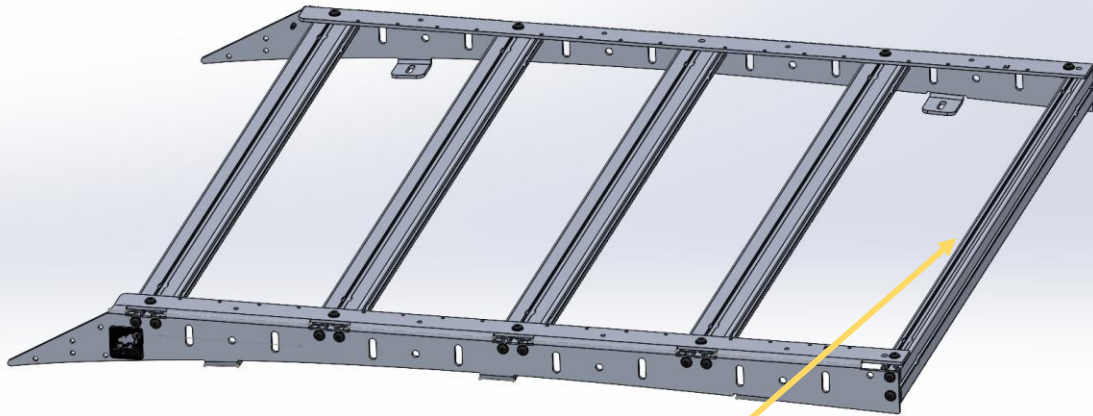
TOOLS REQUIRED

FASTENERS



4. Fit the side rail to the extrusion, This is easiest to do when the ends of the extrusions are hanging over the edge of a table / workbench. 5. Secure using M8x16 Button Head bolts through the side face into the Tapped holes on the side face of the extrusion. 6. Complete steps 4 through 5 for the other side of the rack assembly to fit the other side rail.	TOOLS REQUIRED 5mm Hex Key
	FASTENERS 10x M8x16 Button head bolt. 10x M8 Flat Washer Per Side

Rear Shark Fin Type Antenna Vehicles ONLY



Fit Rear Extrusion Vertically

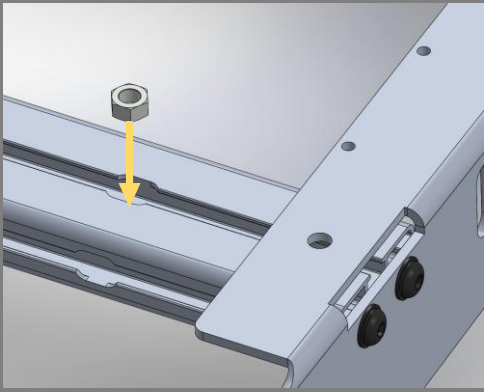
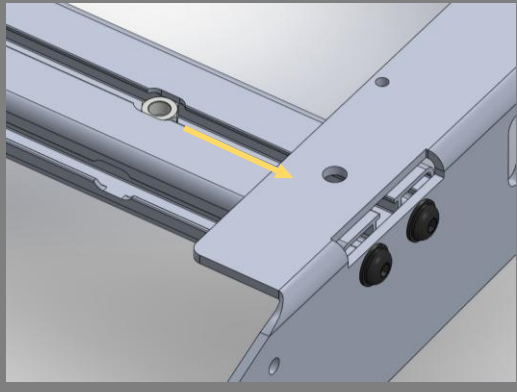
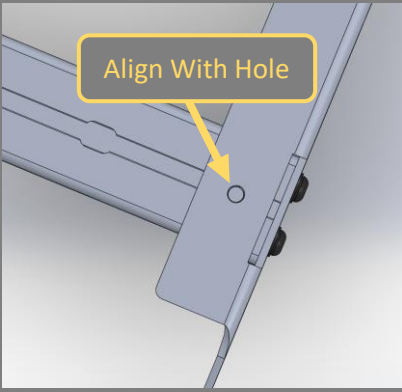
7. For vehicles with rear shark fin antennas the rear most extrusion needs to be fitted vertically.
8. Fit the extrusion to the side rail using the alternate vertical mounting holes and same fasteners.

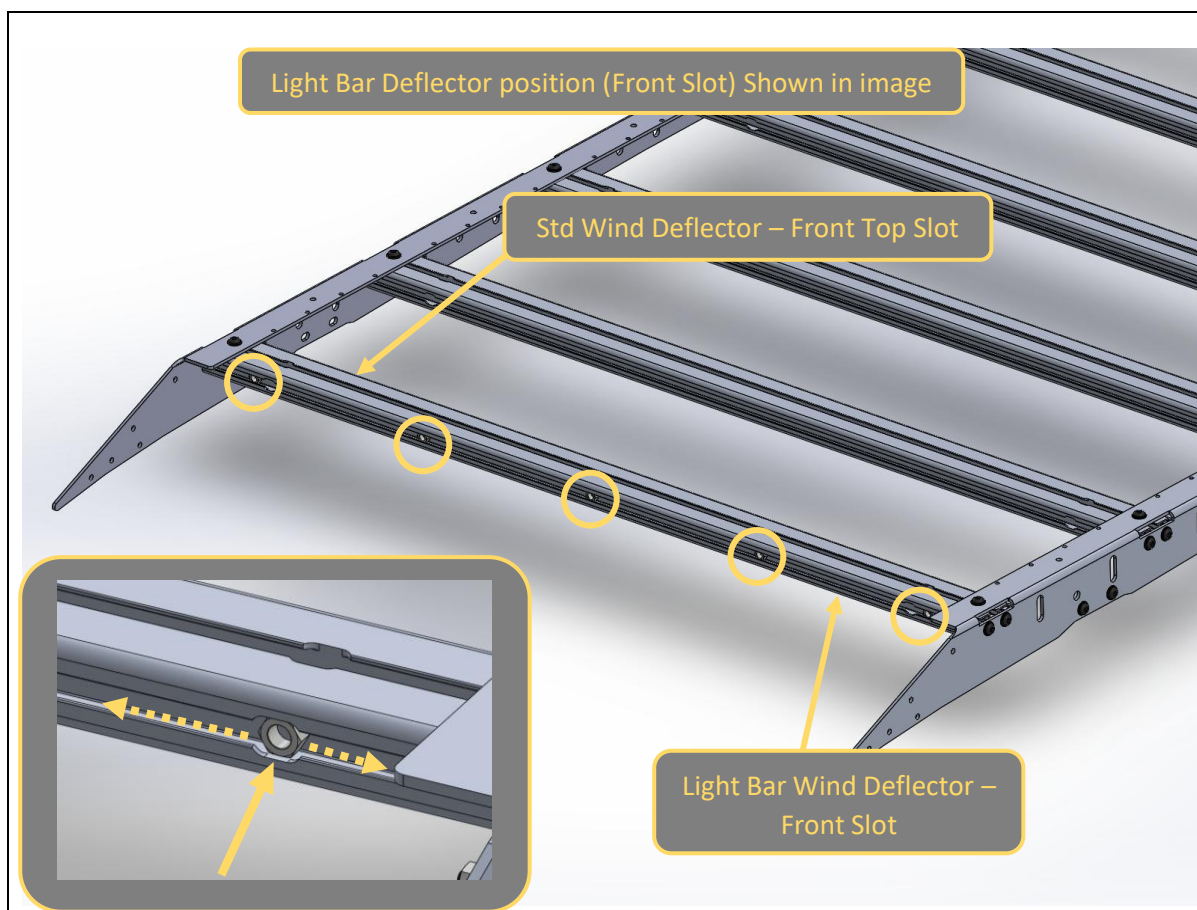
TOOLS REQUIRED

5mm Allen Key

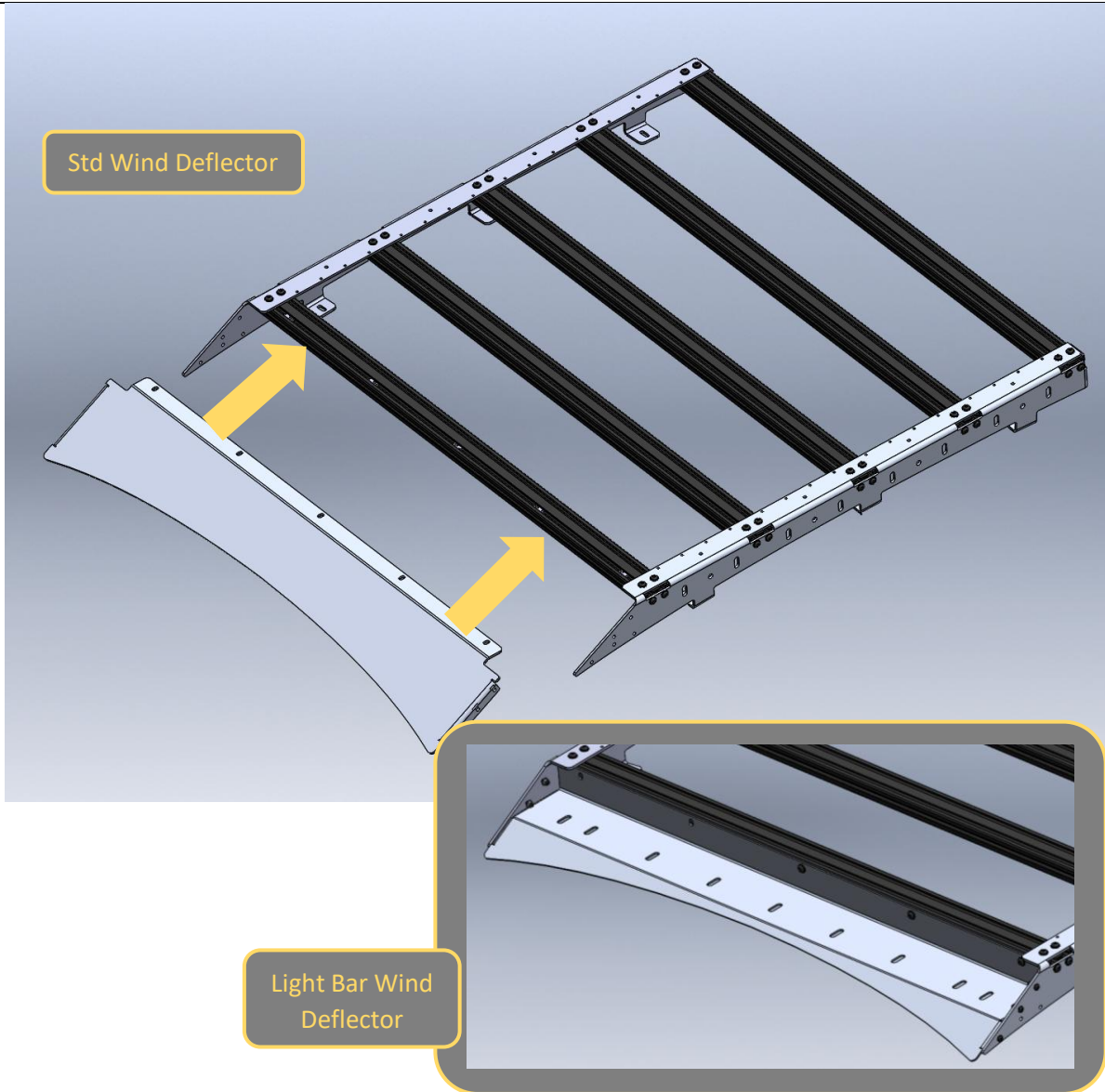
FASTENERS

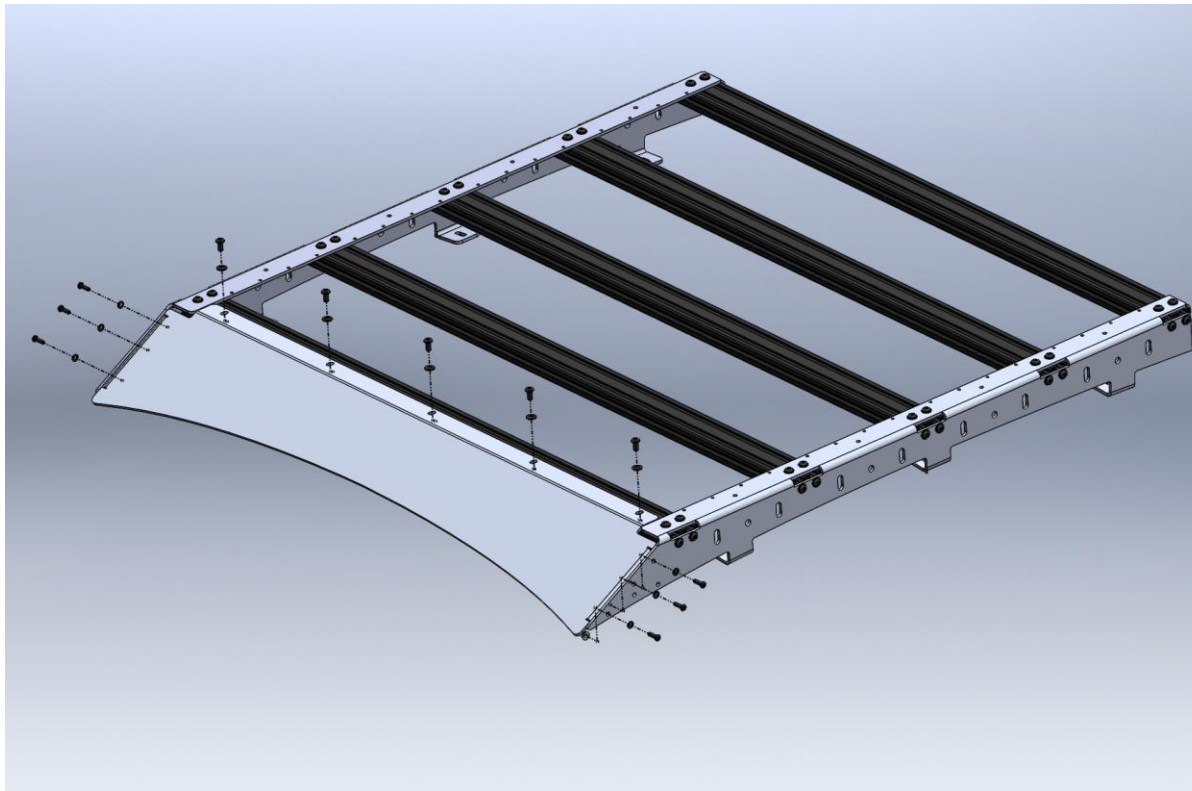
2x M8x16 Button head bolt.
2x M8 Flat Washer
Per side

	
	
9. Insert M8 Nut into each track for securing top face of side rail. 10. Drop nut into slot in extrusion, then slide nut sideways in slot and align with hole in the side rail. 11. Secure with M8x12 Bolt + Flat Washer. 12. Complete steps 9 through 11 for the other side of the rack assembly to fit the other side rail.	
TOOLS REQUIRED 5mm Allen Key	
FASTENERS 5x M8 Nuts 5x M8x12 Button head bolt 5x M8 Black Washer Per Side	



13. If fitting the standard wind deflector fit the 5x M8 in nuts to the top front slot of the front most extrusion member. 14. Move nuts side to side using screwdriver to move nuts into correct positions. Gravity should hold the nut in position.	TOOLS REQUIRED Screwdriver
15. If fitting the optional light bar wind deflector, fit the nuts to the front slot of the front first extrusion member.	FASTENERS 5x M8 Nuts

	
16. Fit the wind deflector to the rack assembly. The deflector should sit inside the side rails and on top of (Standard type) or in front (Light bar type) the first extrusion member.	TOOLS REQUIRED
	FASTENERS



17. Secure the wind deflector to the side rails with M6x20 button head bolts, Flat washers, and flange nuts.
18. Secure the wind deflector to the extrusion with M8x12 button head bolts and Flat washers into the nuts in the front extrusion.
19. Once fitted ensure all bolts are tightened.

TOOLS REQUIRED

4mm Hex Key
5mm Hex Key

FASTENERS

6x M6x20 Button head bolt.
6x M6 Flat Washer
6x M6 Flange Nut
5x M8x12 Button head bolt
5x M8 Flat Washer

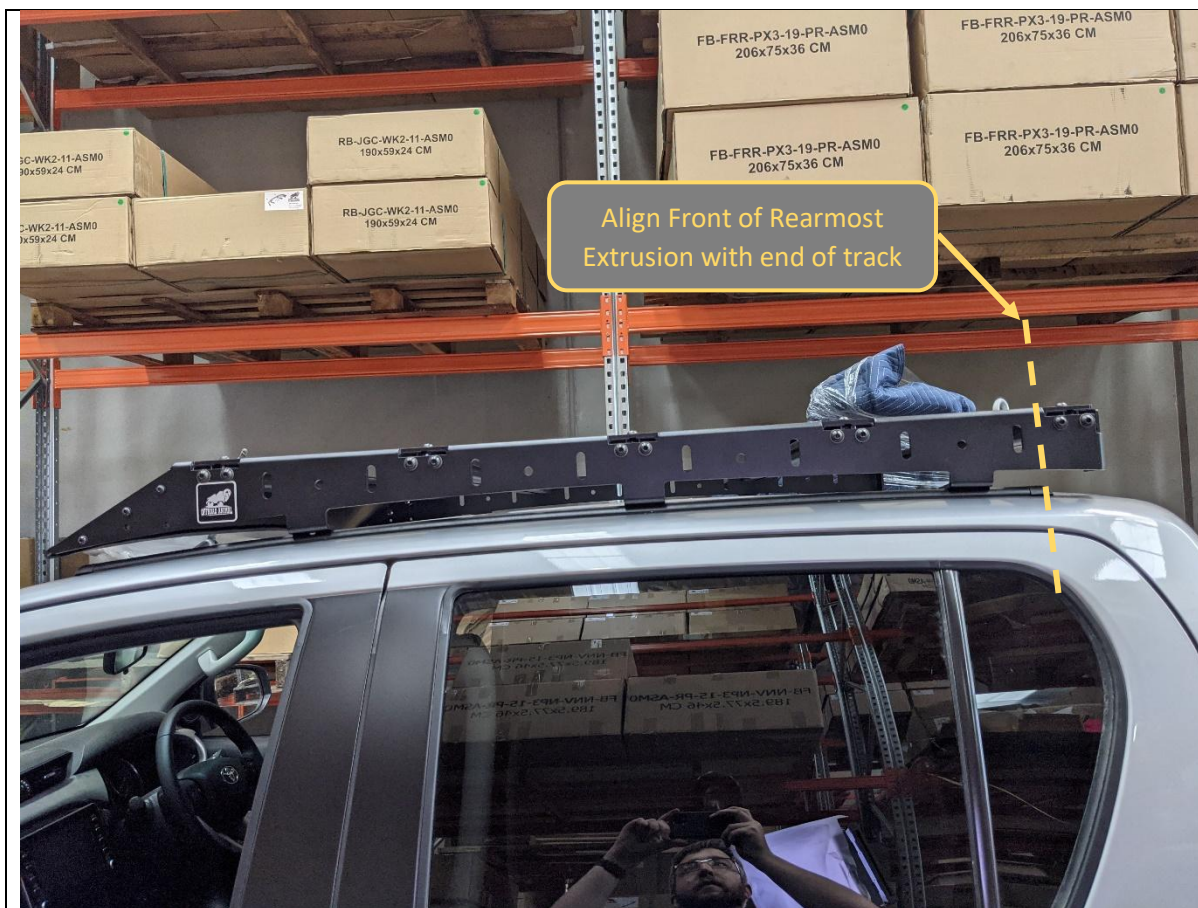


20. In preparation for fitment of the roof rack, Insert the Rhino Track nuts into the track fitted on the vehicle.
21. Insert nuts through the cutouts in the track, and slide into position using screwdriver.

TOOLS REQUIRED

FASTENERS

6x P-0127 Track Nuts



22. With assistance from another person, lift the rack onto the vehicle.
23. For vehicles Equipped with **Front Whip Type Antennas** position the rack such that the front of the rearmost extrusion member sits just behind end of the track rail on the roof.
24. For vehicles Equipped with **Rear Shark Fin Type Antenna** position the rack such that the rearmost vertical extrusion member sits just behind the shark fin antenna assembly on the roof (5-10mm clearance).

TOOLS REQUIRED

FASTENERS



25. Slide nuts into position under roof rack feet using screwdriver to push along track.
26. Secure rack to track using M8x20 Hex head bolts and M8 Flat washers.
27. Fit all 6 bolts before tightening.
28. Tighten gradually, partially tightening each bolt moving around in a circular pattern until all bolts are tight.

TOOLS REQUIRED

5mm Hex Key

FASTENERS

6xM8x20 Bolt
6xM8 Flat washer



29. Double Check all Fasteners are tight.

30. With That you are done! Head Bush and Enjoy your new rack!

For contact details see www.offroadanimal.com