



TOYOTA FORTUNER GUN156R MY2015-ON ROCK SLIDERS

IMPORTANT! – READ BEFORE INSTALLATION

- When installed in accordance with these instructions, the Rock Sliders do not affect the operation of the vehicles SRS airbags.
- 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.
- Fitting time estimated 1-2 hours

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.

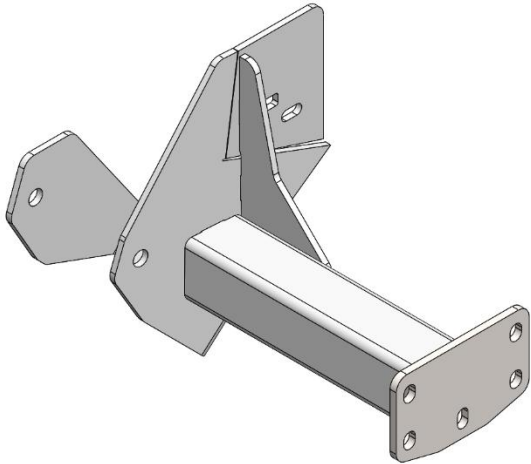
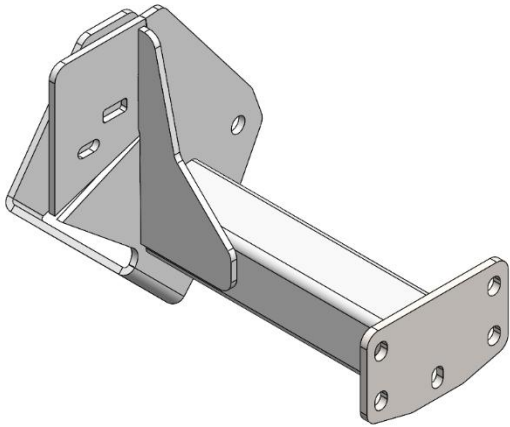
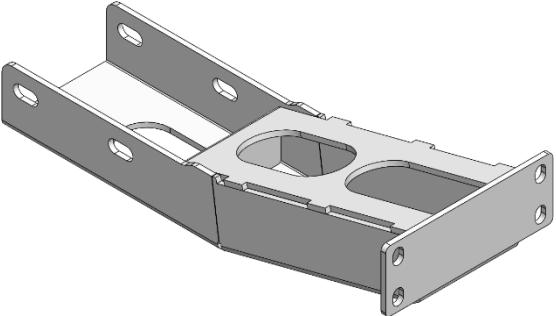
FRONT BAR MOUNTS AND TOW POINTS + REAR TOWBAR	
Size	Torque Nm
M10	57 Nm
M12	100 Nm
M14	164 Nm
M16	248 Nm

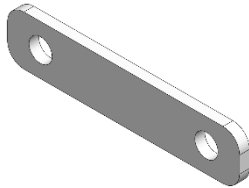
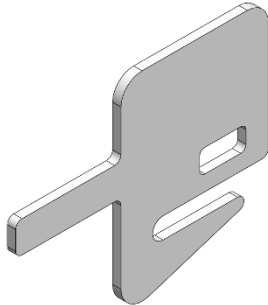
Always use a torque wrench to set correct torque settings. Ensure torque wrench is set to Nm unit of measurement. Otherwise perform conversion to lb-ft.

PARTS LISTING

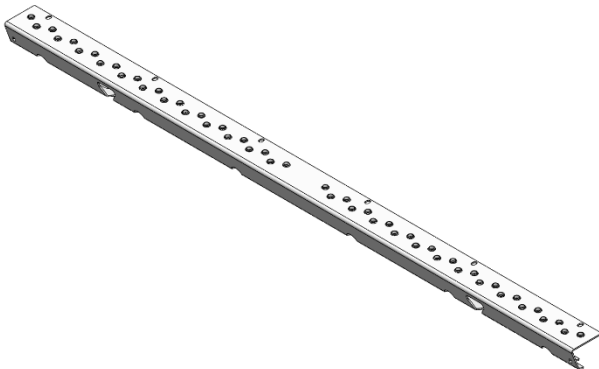
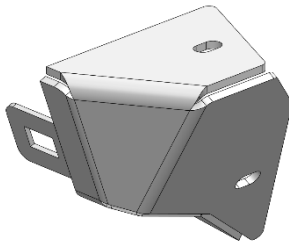
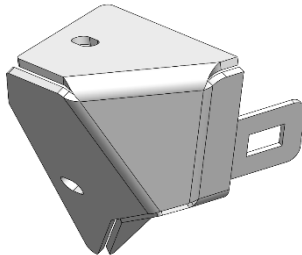
IMPORTANT: Check all parts are present before beginning work! Contact OFFROAD ANIMAL if something is missing.

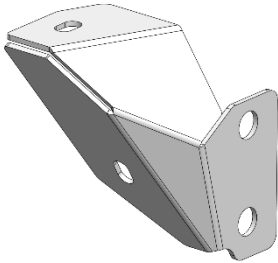
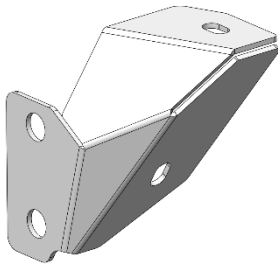
Bracket Kit Parts – In the Box

Qty	Part Number	Description	Image
1	RS-TFT-N160-21-ASM1R	Fortuner Slider Rear Chassis Mount	
1	RS-TFT-N160-21-ASM1L	Fortuner Slider Rear Chassis Mount	
2	RS-THL-N80-15-ASM2	Hilux Slider Front Crossmember Mount Assy	


4	P-0107	Front Mount Spacer Plate	
4	P-0271	Fortuner Slider Rear Mount Spacer Plate	

Step Kit Parts – In the Box

Qty	Part Number	Description	Image
2	B-0852	Slider Step - 1600mm	
2	RS-COM-EC-STB-R	Stub Nose Endcap Outer	
2	RS-COM-EC-STB-L	Stub Nose Endcap Outer	

2	B-0801R	Stub Nose Endcap Rear Cover	
2	B-0801L	Stub Nose Endcap Rear Cover	

Step Kit Parts – In the Box

Qty	Part Number	Description	Image
2	E-0002-1600	Slider Extrusion - 1600mm	

Bracket Kit Small Parts – Contained in Small Parts Kit Bag

Qty	Part Number	Description
6	M12 x 130	Bolt Hex, M12X130x1.75, GR8.8 ZP
2	M12 FW LHD	M12 FW Large Heavy Duty
4	M12 FLAT WASHER	M12 Flat Washer
2	NP-COM-M12-300-ASMO	M12 NUT PLATE 300MM STEM
16	M10 x 25	Bolt Hex, M10X25x[1.5], GR8.8 ZP
16	M10 FLANGE NUT	Flange Nut, M10x1.5 G8.8 ZP
1	M8 X 35 HEX	Bolt Hex, M8X35X1.25, GR8.8 ZP
1	M8 HD FLAT WASHER	M8 FLAT WASHER - High Tensile 19x8x1.9mm
1	NP-COM-M8-210-ASMO	M8 Nut Plate 210mm
4	P-0301	M12 Open Slot Spacer Washer 2mm
2	T-0059	Fortuner Slider Rear Crush Tube 91mm

Step Kit Small Parts – Contained in Small Parts Kit Bag

Qty	Part Number	Description
12	M6x16 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M6X16X1 GR12.9, ISO4042 ZnNi BLACK PASSIVATED FINISH
12	M6 FLAT WASHER BLACK ZINC	M6 Flat Washer, 12x6.1x1, ISO4042 ZnNi BLACK PASSIVATED FINISH
8	M6 FLANGE NUT	Flange Nut, M6x1 G8.8 ZP
4	M6CN3MM	CAGE NUT M6x2.6-3.5
12	M8 X 20 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M8X20X1.25 BLACK ZP
12	M8X20 CAP SCREW	CAP SCREW, M8X20X1.25 GR10.9 ZP
24	M8 FLAT WASHER BLACK ZINC	M8 FW- BLACK ZINC
24	M8 NUT	Hex Nut, M8x1.25 G8.8 ZP
8	M10x15 BHCS	SCREW, BUTTON HEAD CAP, M10X16X1.5 GR12.9 ZP
8	M10 Flat Washer	M10 FW
8	M10 NUT	Hex Nut, M10x1.5 G8.8 ZP
2	OFA-LOGO	OFFROAD ANIMAL METAL LOGO

TOOLS REQUIRED

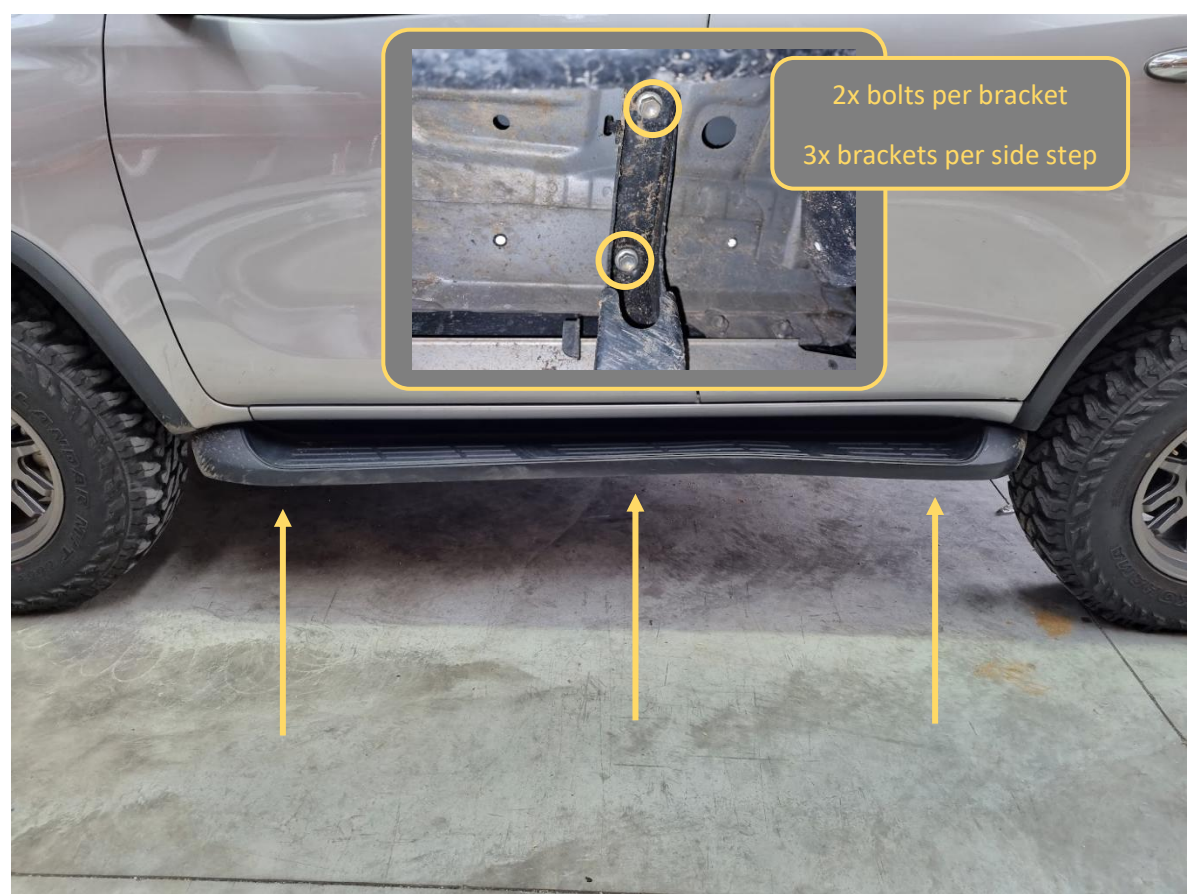
The following tools will be required to install the product.

Hand Tools	Power Tools	Workshop Equipment
Metric Socket Set 10-19mm	Electric/Air Impact Driver (Optional)	Hydraulic Floor Jack
Socket Extension Bar		
Metric Spanner Set 10-19mm		
Hex (Allen) Key Set 4-6mm		
Flat blade screwdriver		
Rubber Mallet		
Soft Clamps		

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.

<p>Hearing Protection</p> 	<p>Always wear ear protection when using power tools.</p>
<p>Eye Protection</p> 	<p>Ensure eye protection is always worn when cutting or drilling.</p>
<p>Manual Handling</p> 	<p>Do not attempt to lift bar assemblies or rock sliders on your own.</p> <p>Always use two people to lift or use mechanical Lifting aid such as hydraulic lifting trolley.</p>
<p>Vehicle Support</p> 	<p>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.</p>



1. Remove Factory side steps if fitted by removing the 6x Bolts (2 Per mount) securing them to the body using a 12mm socket.
2. Discard Factory steps and bolts.

TOOLS REQUIRED

12mm socket

FASTENERS6x Factory Flange head Bolts
(per side)



3. Installation of the front bracket is as shown. Locate the area around the gearbox cross member on the RHS of the vehicle.
4. Using a hydraulic jack, support the gearbox cross member. Place enough pressure on the cross member so that the body of the vehicle lifts slightly.
5. Remove and discard the factory M12 bolts securing the gearbox cross member to the chassis rail.
6. Fit the front mount bracket over the cross member, with P-0107 spacer plates taking up the gap between the cross member and bracket, as per the inset image.
7. Ensure the front mount is sitting flush with the cross member. Once positioned, tighten M12 bolts, and release the jack off the vehicle.

TOOLS REQUIRED

18mm socket/ spanner

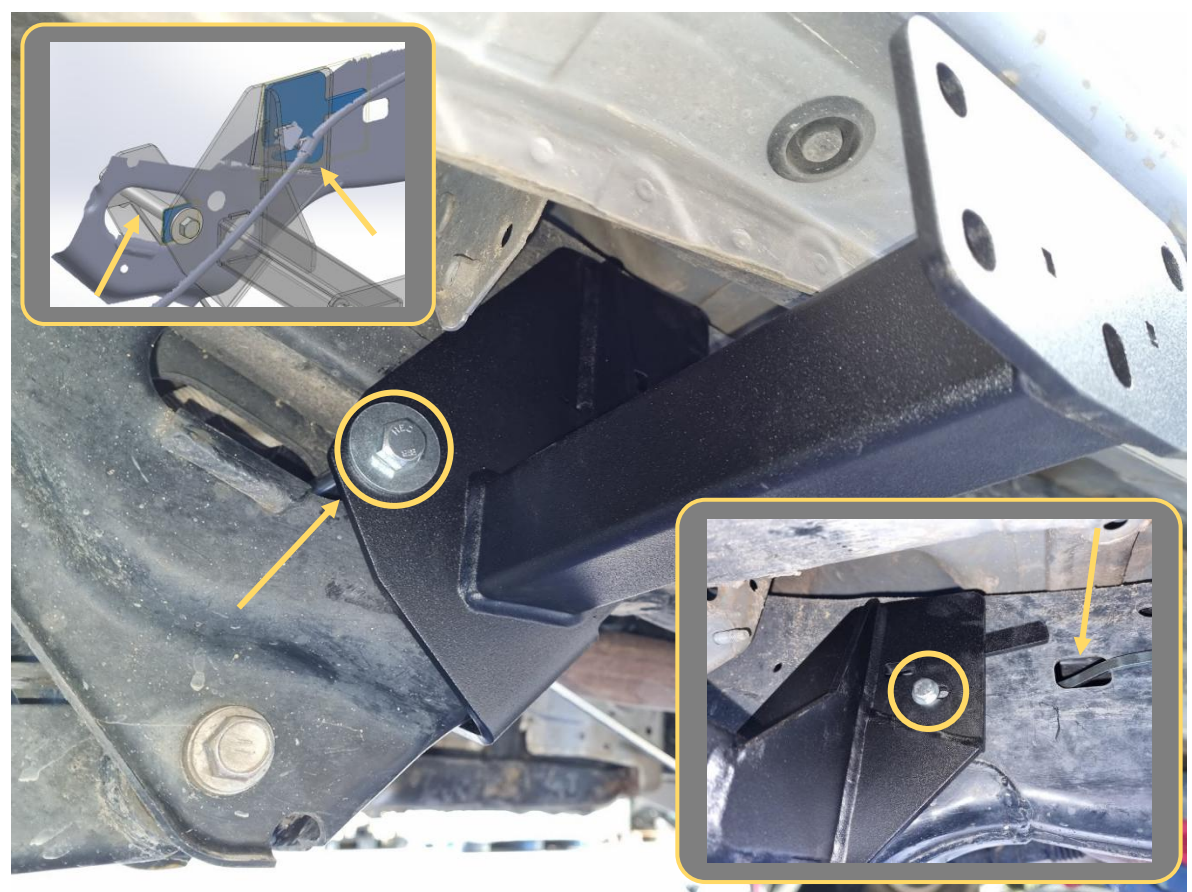
Hydraulic floor jack

FASTENERS

2x M12 x 130 hex bolt

2x M12 flat washer

2x M12 flange nut



8. Installation of the RHS rear bracket is as shown. Locate the area of the chassis below the rear passenger door, near the suspension pickup point.
9. Fit the rear mount bracket with 1x M12x130 hex bolt, heavy duty washer, crush tube 91mm and flange nut through the large opening on the chassis, as indicated by the arrow above.
10. Feed 1x M8 nutplate through the rectangular opening in the chassis (see bottom inset), then secure with 1x M8x35 hex bolt and heavy duty washer.
11. If required, insert any combination of P-0271 and P-0301 shim plates (see top inset) to get the rear mount to sit at a similar height away from the sill as the front mount.
12. Once positioned and shimmed correctly, tighten all bolts.

TOOLS REQUIRED

13mm socket/spanner

18mm socket/ spanner

FASTENERS

1x M12x130 hex bolt
 1x M12 heavy duty FW
 1x crush tube 91mm
 1x M12 flange nut

1x M8x35 hex bolt
 1x M8 heavy duty FW
 1x M8 nutplate



13. Repeat install steps 3-7 for the front mount on the LHS of the vehicle.

14. For the rear mount on the LHS, instead of using an M8 nutplate, remove the factory M8 flanged bolt securing the handbrake cable to the chassis with a 12mm socket/spanner.

15. Fit the rear mount onto the chassis, then re-use the factory M8 bolt and position the handbrake cable back in the same location through the keyed holes in the bracket.

16. Repeat steps 9,11 & 12 to complete fitment of the rear mount bracket.

TOOLS REQUIRED

12mm socket/spanner

18mm socket/ spanner

FASTENERS

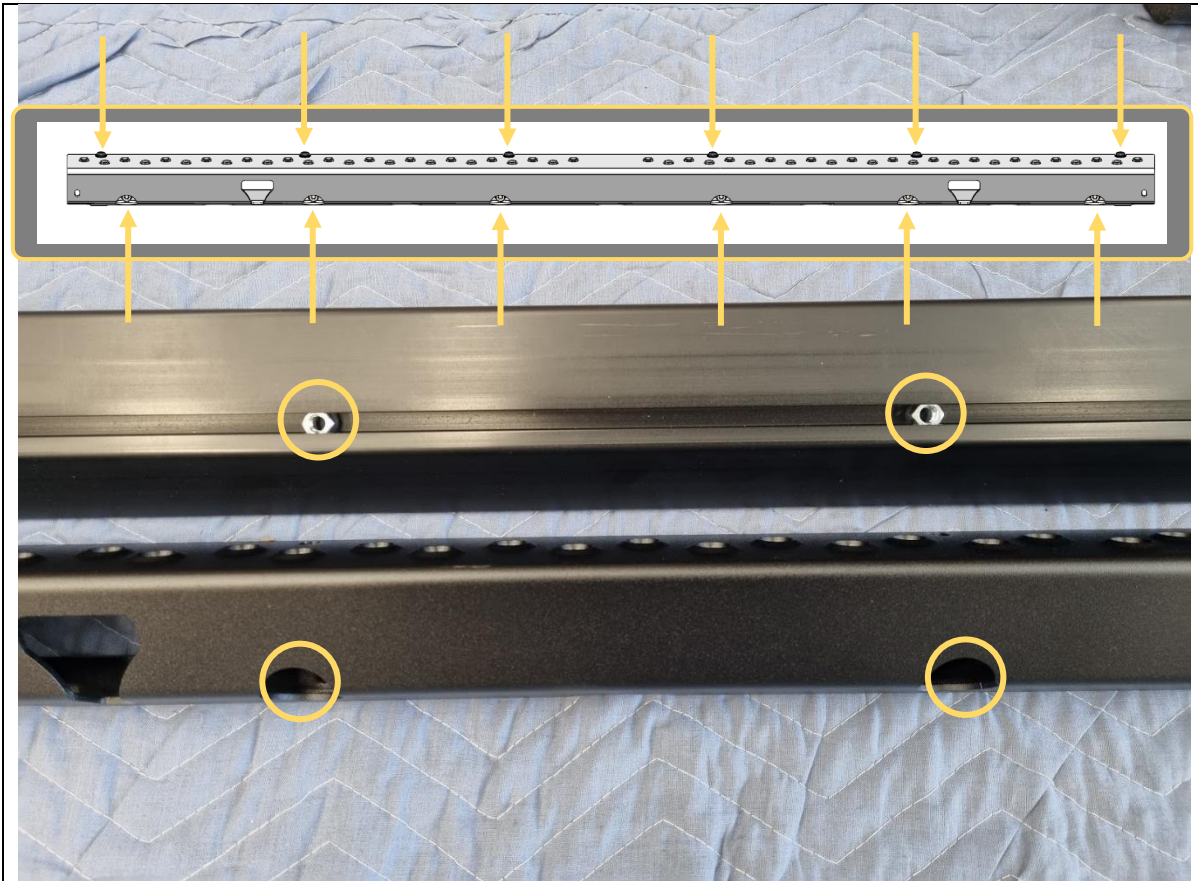
1x Factory M8 bolt

1x M12x130 hex bolt

1x M12 heavy duty FW

1x crush tube 91mm

1x M12 flange nut



17. Find an open space and place the step in line with the slider extrusion.

18. Feed M8 nuts through the top and outside slots in the extrusion and carefully line them up with the corresponding mounting holes in the step. There are 6x nuts for the top slot and 6x nuts for the outside slot.

TOOLS REQUIRED

FASTENERS

12x M8 Nut



19. Fit the step onto the slider extrusion.

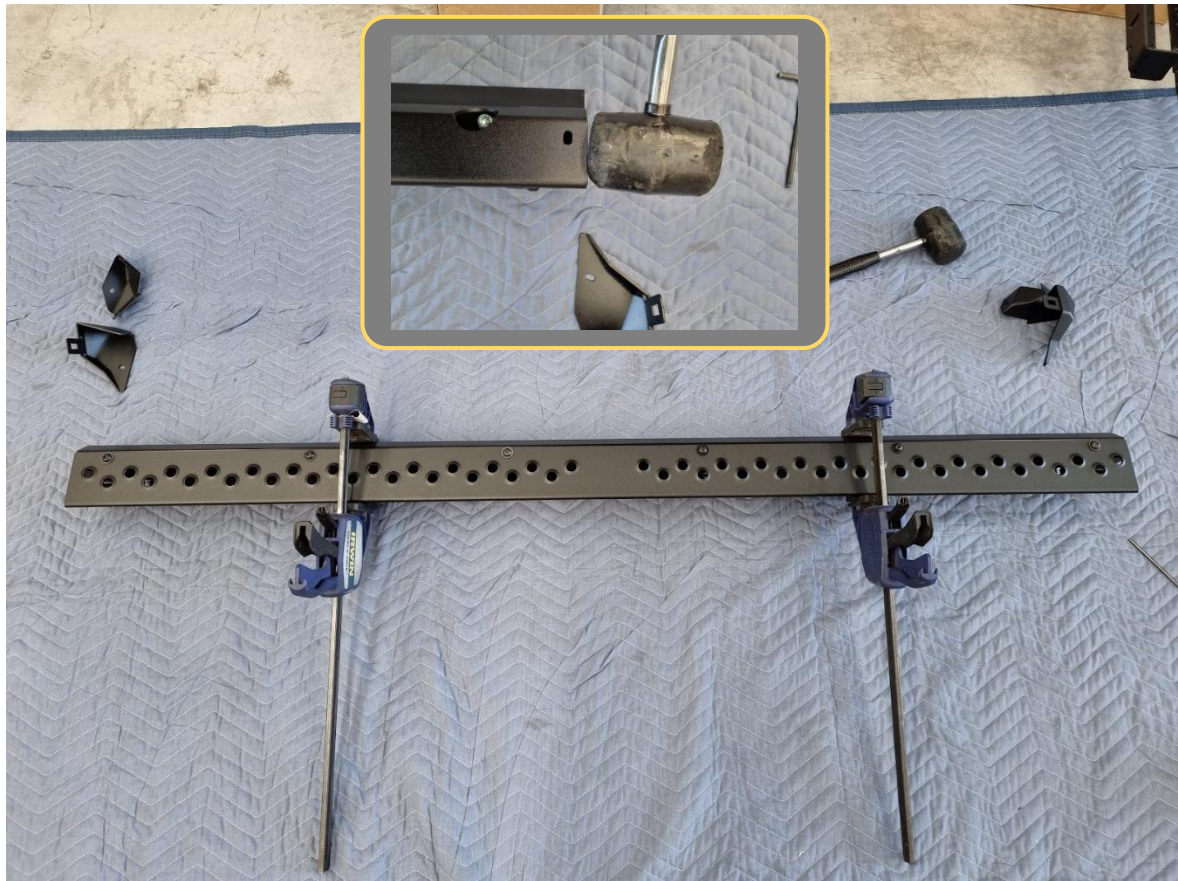
20. Use M8x20 black button head screws, black M8 washers and M8 Nuts on 6x locations on the top row of the step (top image).

21. Use M8x20 cap head screws, M8 washers and M8 nuts on 6x locations on the bottom side of the step (bottom image).

TOOLS REQUIRED

FASTENERS

6x M8x20 black button Head
6x M8x20 cap head
12x M8 Black Washer



22. Adjust the position of the step on the slider extrusion so it is central.
23. Clamp the step to the extrusion with a set of soft clamps to ensure they are pressed firmly up against each other.
24. Once happy with the alignment, tighten all bolts on slider extrusion, using a 5mm and 6mm hex key.

TOOLS REQUIRED

Rubber mallet

Soft Clamps

5mm Hex key

6mm Hex key

FASTENERS



25. Insert 1x M6 cage nut in the rectangular slot of the outer section of the stub nose endcap with a flat blade screwdriver.

26. Assemble the corresponding endcap rear cover to the outer section and secure with 2x M6x20 black button head screws, black washers and flange nuts. Leave finger tight at this stage.

TOOLS REQUIRED

Flat blade screwdriver

FASTENERS

2x M6x20 black button head
2x M6 black washer
2x M6 flange nut
1x M6 cage nut



27. Slide 2x M10 Hex nuts into the T slots on the back side of the extrusion. (1 per slot)

28. Fit the end cap to the end of the extrusion.

29. Secure with M10x15 button head screws and washers on T slot nuts and M6x20 black button head and washer on the outside, through the step plate. Tighten bolts once aligned properly.

TOOLS REQUIRED

4mm Hex key
6mm Hex key

FASTENERS

2x M10x15 button head
2x M10 flat washer
2x M10 hex nut

1x M6x20 black button head
1x M6 black washer



30. Slide 8x M10x25 hex bolts onto the T-slots on the back side of the extrusion. 4x bolts per slot.
31. Loosely arrange the bolts in 2x groups of 4, in approximate location of mounts on the two ends.
32. Fit the mirrored end cap to the remaining end of the slider, as per install steps 25-29.

TOOLS REQUIRED

4mm Hex key
6mm Hex key

FASTENERS

8x M10x25 hex bolt

3x M6x20 black button head
3x M6 black washer
2x M6 flange nut
1x M6 cage nut

2x M10x15 button head
2x M10 flat washer
2x M10 hex nut



33. With the help of a mate or other lifting equipment, lift the slider up to the mount brackets. Align all the bolts so they fit through the corresponding holes in the brackets.
34. Once all the bolts are through into the brackets, put flange nuts on bolts to hold the slider up.

TOOLS REQUIRED**FASTENERS**

8x M10 Flange Nut



35. Adjust the fore / aft position of sliders on mounts to achieve even appearance if required.

36. Torque all M10 flange nuts.

37. Repeat install steps 17-36 for the other step.

TOOLS REQUIRED

15mm socket/spanner

FASTENERS



38. Don't be stiff, put the supplied logo plates on the step as shown. It looks much better with it on.

TOOLS REQUIRED**FASTENERS**



Congratulations!
Head for the tracks and enjoy your newly protected Wagon!