



## TOYOTA HILUX N80 2015 ON ROCK SLIDERS

### **IMPORTANT! – READ BEFORE INSTALLATION**

- When installed in accordance with these instructions, the front protection bar does 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

## 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
2	E-0002-1800	Slider extrusion - 1800MM	
2	B-0207	Slider Step – Suit 1800 Extrusion	
2	RS-THL-N80-15-ASM2	Hilux Slider Front Crossmember Mount Assy	
2	RS-THL-N80-15-ASM5	Hilux N80 Mid Mount	
1	RS-THL-N80-15-ASM6L	Hilux N80 Slider Rear Mount Assy	
1	RS-THL-N80-15-ASM6R	Hilux N80 Slider Rear Mount Assy	

<b>2</b>	P-0054	Mid Mount Backing Plate - Hilux N80 Slider	
<b>4</b>	P-0107	Front Mount Spacer Plate	
<b>2</b>	COM-RS-EC	Slider End Cap	
<b>2</b>	COM-RS-ECM	Slider End Cap	

## Small Parts – Contained in Small Parts Kit Bag

Qty	Part Number	Description
<b>30</b>	M8 NUT	Hex Nut, M8x1.25 G8.8 ZP
<b>14</b>	M8X20 CAP SCREW	CAP SCREW, M8X20X1.25 GR10.9 ZP
<b>34</b>	M8 FLAT WASHER- BLACK ZINC	M8 FW- BLACK ZINC
<b>20</b>	M8 X 20 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M8X20X1.25 BLACK ZP
<b>32</b>	M10 x 25	Bolt Hex, M10X25x[1.5], GR8.8 ZP
<b>32</b>	M10 FLANGE NUT	Flange Nut, M10x1.5 G8.8 ZP
<b>8</b>	M12 FLANGE NUT	Flange Nut, M12x1.75 G8.8 ZP
<b>8</b>	M12X130 GR10.9	Bolt Hex, M12X130x1.75, GR10.9 ZP
<b>10</b>	M12 FLAT WASHER	M12 FW
<b>2</b>	OFA-LOGO	OFFROAD ANIMAL METAL LOGO
<b>2</b>	COM-RS-ECM	Slider End Cap
<b>1</b>	FI Note	Fitting Instruction Note
<b>1</b>	CC-1900-400-300	CARDBOARD CARTON 1900X400X300
<b>1</b>	SPK-BAG	BAG, PLASTIC HEAT SELAED - SUIT SMALL PARTS KIT
<b>2</b>	E-0002-1800	Slider extrusion - 1800MM
<b>2</b>	NP-COM-M12-300-ASM0	M12 NUT PLATE 300MM STEM
<b>2</b>	M12X30	Bolt Hex, M12X30x1.75, GR8.8 ZP
<b>2</b>	M8 FLAT WASHER	M8 FW
<b>2</b>	M8 X 30 HEX	Bolt Hex, M8X30X1.25, GR8.8 ZP

## TOOLS REQUIRED

The following tools will be required to install the product.

Hand Tools	Power Tools	Workshop Equipment
Metric Socket Set 8-19mm Socket Extension Bar Metric Spanner Set 10-19mm Hex (Allen) Key Set 4-6mm Flat Blade Screwdriver set Phillips Head Screwdriver set Utility Knife Side Cutters Pliers	Electric/Air Impact Driver (Optional)	Hydraulic Floor Jack

## 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

**FASTENERS**  
6x Factory Flange head Bolts  
(per side)





3. Using a hydraulic jack, support the gearbox cross member. Place enough pressure on the cross member that the body of vehicle lifts just slightly.
4. Remove and discard the Factory M12 Bolts securing the gearbox cross member.
5. Fit the front cross member mount over the cross member, with P-0107 spacer plates taking up the gap between the cross member and bracket, as per the inset image.  
  
Secure with supplied M12x130 bolts, Flat washers and Flange nuts.
6. Ensure the cross member mount is sitting flush with the cross member. Once positioned, tighten M12 Bolts.
7. Once bolts are tight jack can be released.

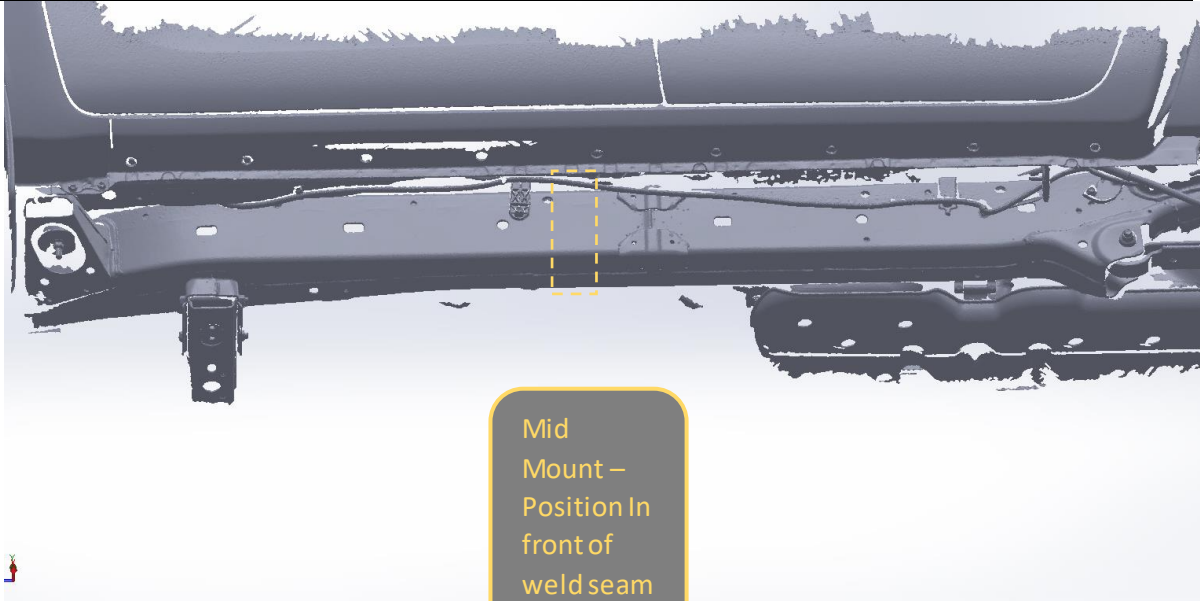
#### TOOLS REQUIRED

Jack  
18mm socket / Spanner

#### FASTENERS

M12x130 Bolt  
M12 Flat washer  
M12 Flange Nut



 <p>Mid Mount – Position In front of weld seam in chassis</p>		
8. Locate and mark the mid mount positions on chassis, as shown in above image	<b>TOOLS REQUIRED</b>  Marker	
	<b>FASTENERS</b>	



9. Prepare mid mounts by pre-inserting the M12x130 Bolt, with flat washer, part way through the top mounting hole.
10. Lift mid mount up to chassis rail and position against chassis in position marked. Ensure that the bolt, inserted earlier goes over the top of the chassis rail.

**TOOLS REQUIRED**

**FASTENERS**  
M12x130 Bolt  
M12 Flat Washer



11. Install the mid mount backing plate, by sliding up against back side of chassis and secure through top bolt from mount.
  12. This may require manipulation of the top bolt.
  13. Ensure that the plate is beneath any fuel / brake lines and sitting directly against the chassis. Secure with M12 Flange Nut, finger tight only at this stage.
  14. Insert the lower M12x130Bolt and M12 flat washer through both the mount and backing plate
- Secure with M12 Flange nut, Finger tight only at this stage

#### TOOLS REQUIRED

#### FASTENERS

M12 Flange Nut  
M12x130 Bolt  
M12 flat washer  
M12 Flange Nut



15. Remove factory M8 bolt securing handbrake cable bracket at rear of chassis above spring hanger. Discard Factory Bolt.
16. Fit Rear bracket to chassis thread, using supplied M8x30 Bolt and flat washer. Ensure that the hand brake bracket is re attached, it should sit on top of the Rock slider bracket.
17. Fit the bottom M12x30 bolt using supplied M12 nut plate held in position behind hole in chassis.
18. Leave bolts finger tight at this stage

#### TOOLS REQUIRED

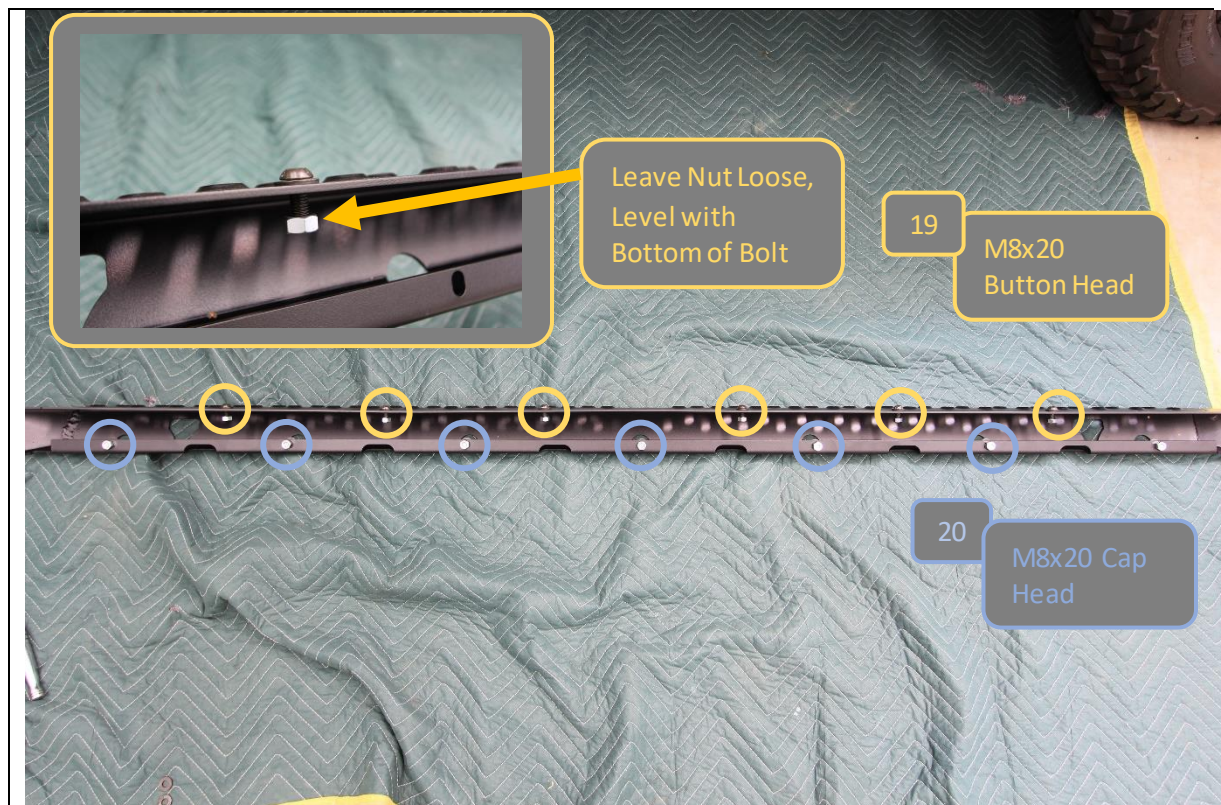
12mm Spanner / Socket  
13mm Spanner / Socket

#### FASTENERS

M12x30 Bolt  
M12 flat washer  
M12 Nut Plate

M8x30 Bolt  
M8 Flat Washer





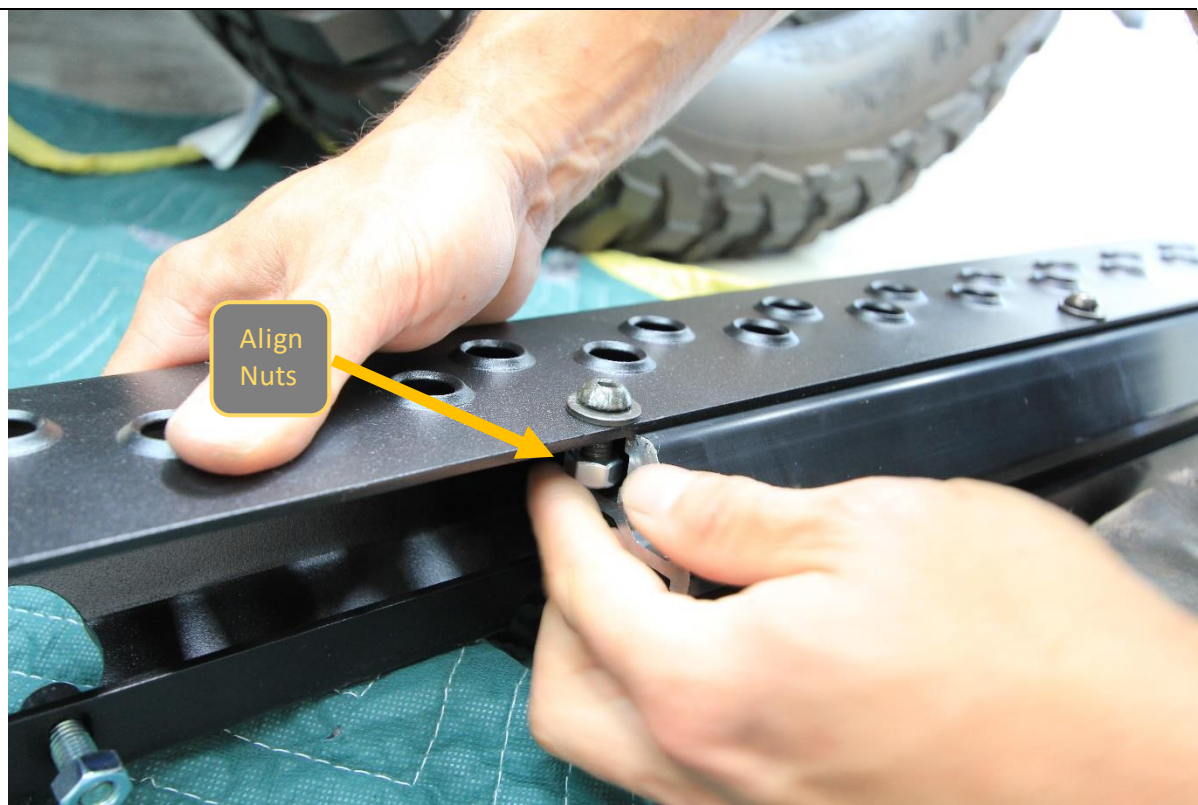
19. Prepare step plate by loosely pre fitting the fasteners to the step
20. Use M8x20 black button head screws, black M8 washers and M8 Nuts on 6x locations on top of step as shown
21. Use M8x20 cap head screws M8 washers and M8 nuts on 7x locations on bottom side of step.

**NOTE THERE ARE 2 WAYS TO FIT THE STEP ON THE EXTRUSION, IF YOU FIND THIS WAY DIFFICULT SKIP STEP 19-23 AND GO TO STEP 24-29**

#### TOOLS REQUIRED

#### FASTENERS

6x M8x20 Black Button Head  
7x M8x20 Cap Head  
13x M8 Black Washer  
13x M8 Nut



22. Slide the step plate onto the main slider structural extrusion. Align the nuts as they enter the T Slots on the extrusion.
23. Center the Step on the extrusion, by measuring distance from extrusion to tip of step, and adjusting until both sides are equal.

#### TOOLS REQUIRED

#### FASTENERS



24. Lie extrusion down and place step on top
25. Feed nut into slot with something long and skinny (like a dowl or piece of all thread) Do centre ones first the move outwards

**TOOLS REQUIRED**

**Long dowl or skinny stick**

**FASTENERS**





26. Thread cap screws into each hole

**TOOLS REQUIRED**

**6mm Allen Key**

**FASTENERS**

M8 x 20 Cap screws (7)  
M8 hex nuts (7)  
M8 flat washers (7)



27. Flip entire slider up as shown
28. Clamp step hard to extrusion

**TOOLS REQUIRED**

**Clamps**

**FASTENERS**



29. Using long tool feed nuts in to centre first and thread in with black M8 button head cap screws and washers

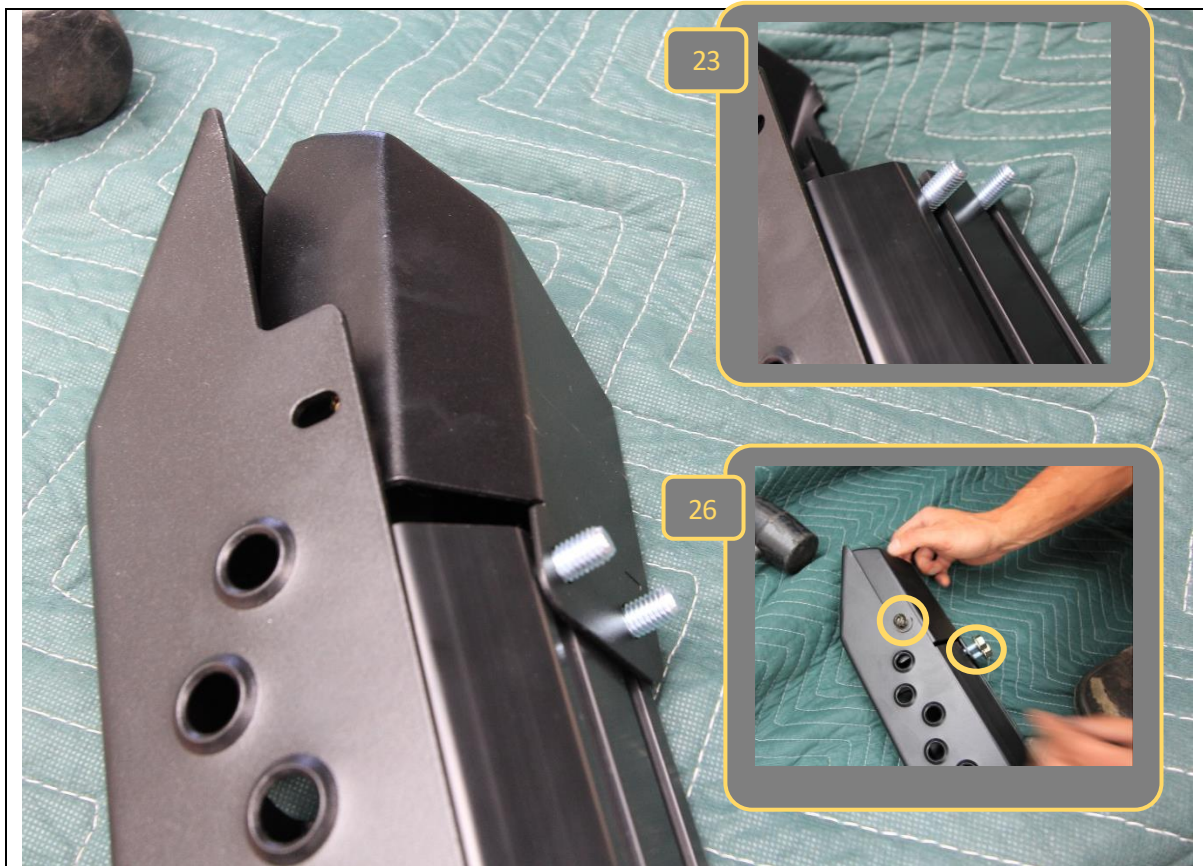
**TOOLS REQUIRED**

**5mm Allen key**

**FASTENERS**

M8 x 20 BHCS black (8)  
M8 hex nuts (8)  
M8 flat washer black (8)






<p>30. Fit end cap to one end of the extrusion</p> <p>31. First slide 2x M10x25 Hex bolts into the T slots on back side of extrusion.</p> <p>32. Fit end cap over these bolts.</p> <p>33. Secure with M10 flange nuts on T slot bolts and M8x20 bolt in top, through tread plate. End cap should align with end of tread plate if tread plate is centered correctly.</p>	<p><b>TOOLS REQUIRED</b></p>
	<p><b>FASTENERS</b></p> <p>2x M10x25 Bolts 1x M8x20 Button Head bolt 1xM8 Flat Washer 2x M10 Flange Nut</p>



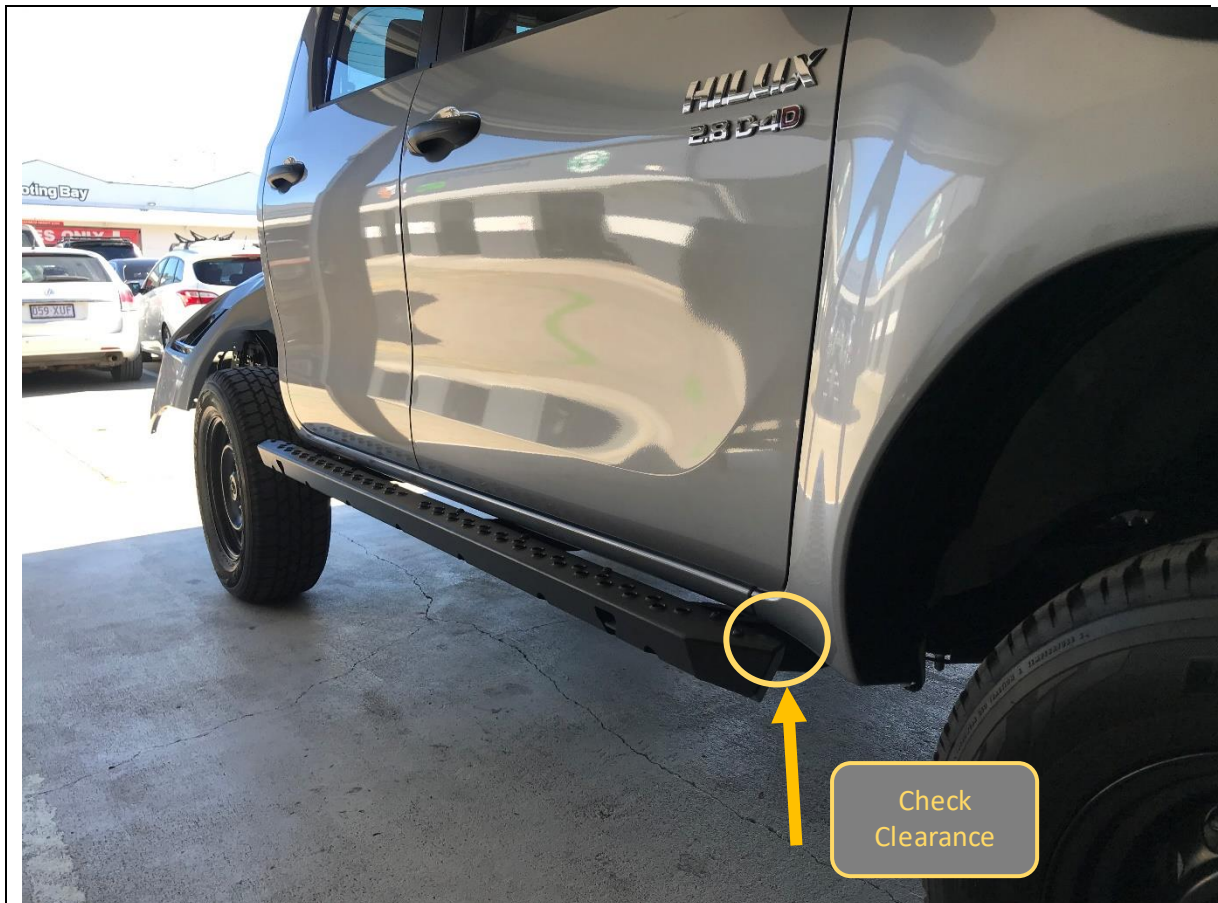
34. Slide the 12x M10x25 Hex bolts into the T slots on back side of extrusion. 6 bolts per slot.
35. Loosely arrange the bolts in 3x groups of 4, in approximate location of mounts, as shown.

#### TOOLS REQUIRED

#### FASTENERS

	
<p>36. Fit mirrored end cap to remaining end of slider, using 2x M10x25 hex bolts and M8x20 Button head bolt with flat washer as per previous steps 23-26.</p> <p>37. Check alignment of end caps, End cap should align with edge of tread plate if properly centered. Adjust end cap / tread plate position as required.</p> <p>38. Once happy with alignment tighten all bolts on slider extrusion, using 5/6MM hex key and 15mm spanner.</p>	<p><b>TOOLS REQUIRED</b></p> <p>5mm Hex key 6mm Hex key 15mm spanner</p>
	<p><b>FASTENERS</b></p> <p>2x M10x25 Bolts 1x M8x20 Button Head bolt 1xM8 Flat Washer 2x M10 Flange Nut</p>





<p>39. With Assistance from another person, or mechanical lifting aid such as a lift trolley, Lift the slider onto the mounts.</p> <p>40. Manipulation of position of bolts in T slot to align with mounts will be required to get slider on. Secure with M10 Flange Nuts</p> <p>41. Adjust fore / aft position of sliders on mounts to achieve even appearance if required.</p>	<p><b>TOOLS REQUIRED</b></p> <p>5mm Hex key 6mm Hex key 15mm spanner</p>
<p>42. Take care to ensure adequate clearance where panel curves toward wheel at front end, near end cap.</p>	<p><b>FASTENERS</b></p> <p>12x M10 Flange Nut</p>





43. Once satisfied with alignment, tighten all bolts, starting with chassis mounts.
44. Double check mount positions against initial marks made at beginning. Adjust position as required.
45. Tighten mid mount bolts using 18mm Socket / Spanner. Ensure that mid mounts are tightened evenly, by alternating a few turns on top then bottom bolt when tightening.
46. Tighten rear mount bolts using 13 & 18mm Socket / Spanner.

**TOOLS REQUIRED**

18mm Socket / Spanner  
13mm Socket / Spanner

**FASTENERS**



47. Tighten all mount to slider M10 flange nuts using 15mm spanner. A ratcheting spanner makes this process easier

**TOOLS REQUIRED**  
15mm Socket / Spanner

**FASTENERS**



48. Fit the Offroad Animal logo plate to the small gap between pierced features on tread plate, using the pre applied double sided adhesive.
49. Repeat the entire process for the other side of the vehicle. Process is identical.
50. After that you are done!

**TOOLS REQUIRED**

**FASTENERS**





**Congratulations!**  
**Head for the tracks and enjoy your newly protected Hilux!**