



TOYOTA LANCRUISER LC70

2007-2023 (PRE FACELIFT)

SCRUB RAILS

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.
- 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

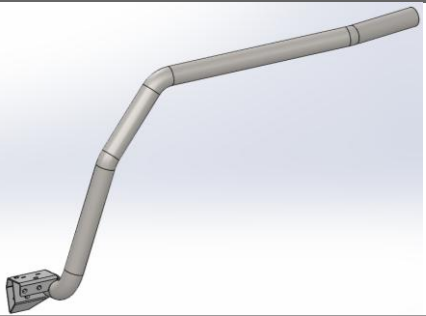
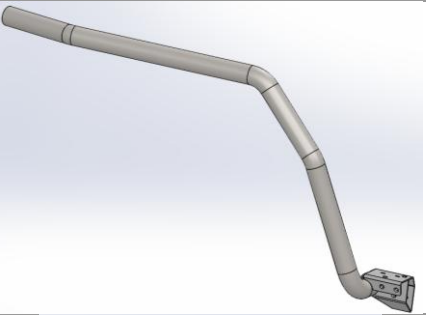
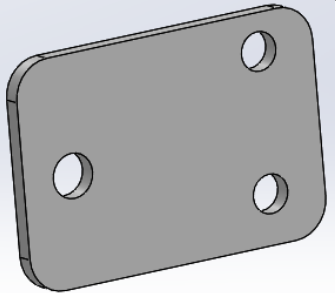
Always use a torque wrench to set correct torque settings. Ensure torque wrench is set to Nm unit of measurement. Otherwise perform conversion to lb-ft.

PARTS LISTING

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

FITMENT OF THIS SIDE RAIL KIT REQUIRES THE FITMENT OF OFFROAD ANIMAL PREDATOR TORO FRONT BAR AND OFFROAD ANIMAL ROCK SLIDERS WITH SIDE RAIL STEP.

Main Parts

Qty	Part Number	Description	Image
1	SR-TLC-79-07-ASM1R	LC70 Side Rail Assembly	
1	SR-TLC-79-07-ASM1L	LC70 Side Rail Assembly	
2	P-0086	Side Rail - Joiner Plate	
1	SR-CLAMP-KIT	SIDE RAIL CLAMP KIT – INC FASTENERS	

Mounting Kit Small Parts – Contained in Small Parts Kit Bag

Qty	Part Number	Description
10	M8 X 20 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M8X20X1.25 BLACK ZP
2	M10 Flat Washer	M10 FW
10	M8 FLAT WASHER- BLACK ZINC	M8 FW- BLACK ZINC
2	M10 x 25	Bolt Hex, M10X25x[1.5], 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 Torx Drivers T25-T30 Hex (Allen) Key Set 4-6mm	Electric/Air Impact Driver (Optional) Electric Drill 9mm Drill Bit 6mm Drill Bit	Wood Block Paint Pen Workshop Clamp

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>



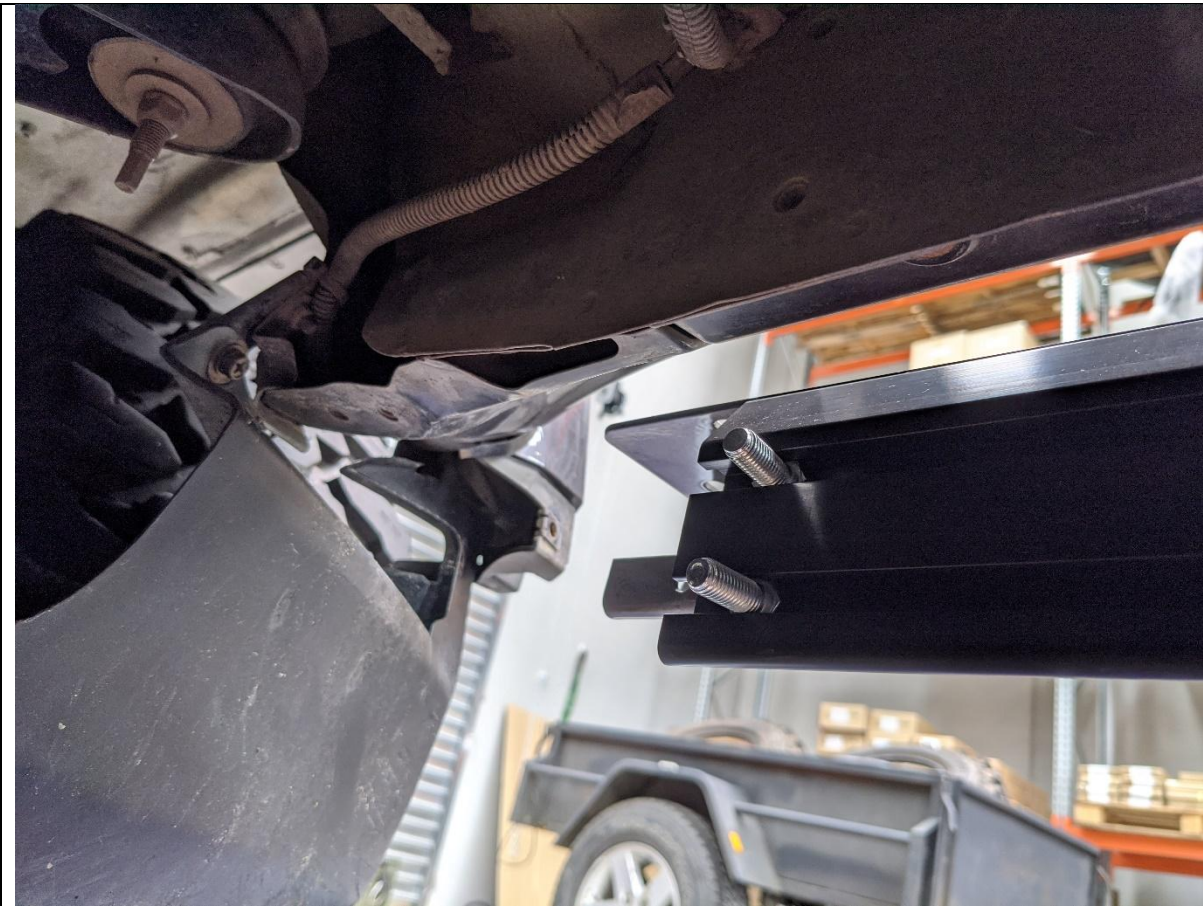
<div>1. If not already fitted, fit Offroad Animal Predator Toro Front bar – Refer to separate fitting instruction.</div>	<div>TOOLS REQUIRED</div> <div>Refer to front bar instructions</div>
	<div>FASTENERS</div> <div>Refer to front bar instructions</div>



<p>2. If not already fitted, fit Offroad Animal Rock sliders to car– Refer to separate fitting instruction.</p>	<p>TOOLS REQUIRED</p> <p>Refer to rock slider instructions</p>
	<p>FASTENERS</p> <p>Refer to rock slider instructions</p>



<div>3. Remove the T30 Torx Screw and Phillips head screw securing the mud flap.</div> <div>4. Remove the mud flap from the vehicle.</div> <div>Note: vehicle pictured had pre-existing damage that prevented removal of mud flap. In this situation it is acceptable to just bend it forward to create clearance</div>	TOOLS REQUIRED T30 Torx Driver Phillips Head Screwdriver
	FASTENERS



<p>5. Fit 2x M10x25 Bolts (Contained in Rock Slider Kit) to the T slot in the extrusion as shown.</p>	TOOLS REQUIRED
	FASTENERS 2x M10x25 Hex Bolt



<p>6. Fit the side rail to the slider by sliding it in from the front as shown.</p>	<p>TOOLS REQUIRED</p>
	<p>FASTENERS</p>



7. Secure with M8x20 Button head bolts and flat washers, into the welded nuts on the side rail assembly.
8. On the back side of the slider fit the Side Rail Joiner Plate to the 2x M10x25 Bolts inserted to the extrusion earlier. Secure with M10 Flange nuts.
9. Secure the Joiner plate to the side rail with M10x25 Bolt and Flat washer into the welded nut on the side rail assembly.

TOOLS REQUIRED

5mm hex/Allen key
16mm socket/spanner

FASTENERS

M8x25 Bolt
M8 HD Flat Washer
M8 Flange Nut



<div>10. Align the side rail between the slider and bullbar, as shown.</div> <div>11. There should be a small gap (<10mm) between the upright tube on the bar and the end of the side rail.</div> <div>12. If required adjustments can be made by moving the slider fore/aft on the mounts. Refer to slider instructions for details.</div> <div>13. Once happy with alignment tighten all fasteners securing the side rail to the slider, using 5mm Hex Key, and 15/16mm spanner.</div>	<div>TOOLS REQUIRED</div> <div>5mm Hex Key 15mm Spanner 16mm Spanner</div>
	<div>FASTENERS</div>



14. Use a clamp hold the tube clamp in position, securing the side rail to the bullbar upright.
15. Use a center punch to mark the hole location on the bullbar upright and rear hole on the side rail.
16. Remove the tube clamp and set aside

TOOLS REQUIRED

Workshop clamp
Center Punch

FASTENERS



<div>17. Place wood block behind hole location to protect body from drill bit.</div> <div>18. Drill 6mm pilot hole through both sides of tube, in center punched locations.</div> <div>19. Take care to ensure the drill always remains perpendicular to the hole.</div>	TOOLS REQUIRED <div>Electric Drill6mm Drill bit</div>
	FASTENERS



20. Open up holes to 9mm.

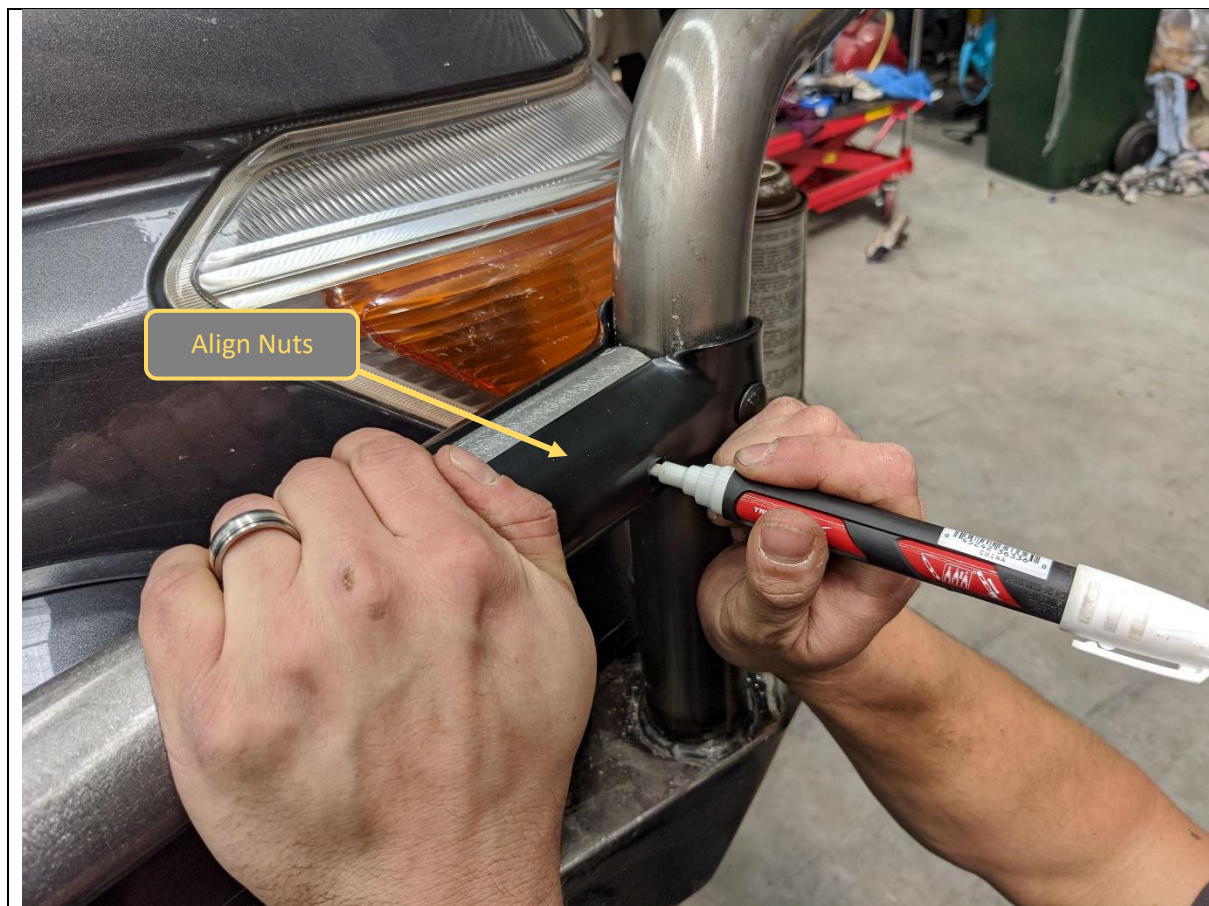
21. Deburr and Paint edges of holes to prevent corrosion.

TOOLS REQUIRED

Electric Drill
9mm Drill bit

Deburring Tool
Paint Pen

FASTENERS



22. Fit the tube clamp to the bar / side rails using the two holes drilled, and Fasteners supplied in the tube clamp kit.
23. Mark and center punch the location of the third hole required.
24. Remove the tube clamp again and set aside.

TOOLS REQUIRED

Marker
Center Punch

FASTENERS

2x Cup Head Bolts
2x Nyloc Nuts
2x Flat Washers



<div>25. Place wood block behind hole location to protect body from drill bit.</div> <div>26. Drill 6mm pilot hole through both sides of tube, in center punched location.</div> <div>27. Take care to ensure the drill always remains perpendicular to the hole .</div> <div>28. Open up pilot hole to 9MM.</div> <div>29. Deburr and Paint edges of holes to prevent corrosion.</div>	<div>TOOLS REQUIRED</div> <div>Electric Drill</div> <div>6mm Drill Bit</div> <div>9mm Drill bit</div> <div>Deburring Tool</div> <div>Paint Pen</div>
	<div>FASTENERS</div>



30. Fit Tube Clamp to Bar / Side Rail using the Cup head bolts, Washers and Nyloc Nuts supplied in the tube clamp kit.
31. Check all fasteners are tight.
32. Re-Fit the front mud flap, re using original fasteners.
33. Complete entire process again on other side of vehicle.
34. Then you are done!!

TOOLS REQUIRED

13mm Spanner

FASTENERS

3x Cup Head Bolts
3x Nyloc Nuts
3x Flat Washers



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