



TOYOTA LANDCRUISER 79 SINGLE CAB (5 Star Safety Update) MY2017-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.

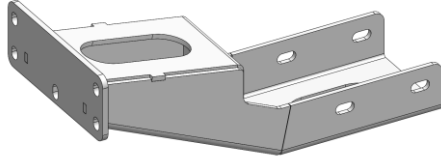
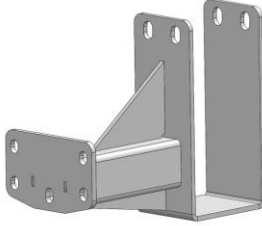
FRONT BAR MOUNTS AND TOW POINTS + REAR TOWBAR	
Size	Torque Nm
M10	57 Nm
M12	100 Nm
M14	164 Nm
M16	248 Nm

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

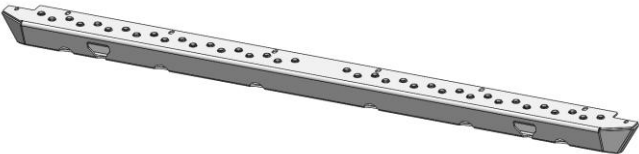
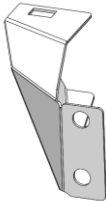
Qty	Part Number	Description	Image
2	RS-TLC-79SC-17-ASM1	LC79 SC Slider - Front Mount Welded Assy	
2	RS-TLC-79SC-17-ASM2	LC79 SC Slider - Rear Mount Welded Assy	
10	B-1303	LC79 SC Slider - Rear Mount Shim	
4	P-0334	LC79 SC Slider - Front Mount Spacer Plate	
4	T-0088	LC79 SC Slider - Crush Tube 85mm	

Bracket Kit Small Parts – Contained in Small Parts Kit Bag

Qty	Part Number	Description
16	M10 x 25	Bolt Hex, M10X25x[1.5], GR8.8 ZP
4	M10 X 140	Bolt Hex, M10X140X1.5, GR8.8 ZP
4	M10 FW LHD	WASHER, FLAT M10X28.5X2.5
20	M10 FLANGE NUT	Flange Nut, M10x1.5 G8.8 ZP
4	M12X120	Bolt Hex, M12X120x1.75, GR8.8 ZP
4	M12 FW LHD	M12 FW Large Heavy Duty
4	M12 FLANGE NUT	Flange Nut, M12x1.75 G8.8 ZP

Depending on if you are fitting Side Rails or not you will require one of the following parts kits:

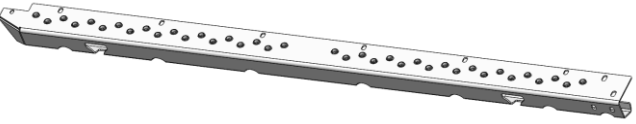
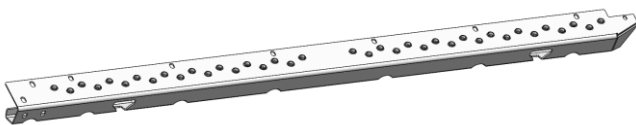
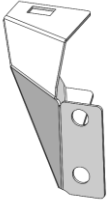
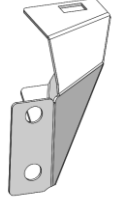
Rock Slider Step Kit – (Required if not fitting Side Rails)

Qty	Part Number	Description	Image
2	E-0002-1230	Slider extrusion - 1230MM	
2	B-1063	Slider Step - 1230 Extrusion	
2	B-0306R	Slider End Cap - Stub Nose	
2	B-0306L	Slider End Cap - Stub Nose	

Rock Slider Step Kit Small Parts – Contained in Small Parts Kit Bag

Qty	Part Number	Description
4	M6x16 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M6X16X1 GR12.9, ISO4042 ZnNi BLACK PASSIVATED FINISH
4	M6 FLAT WASHER BLACK ZINC	M6 Flat Washer, 12x6.1x1, ISO4042 ZnNi BLACK PASSIVATED FINISH
4	M6CN3MM	CAGE NUT M6x2.6-3.5
12	M8 X 20 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M8X20X1.25, ISO4042 ZnNi BLACK PASSIVATED FINISH
12	M8X20 CAP SCREW	CAP SCREW, M8X20X1.25 GR10.9 ZP
24	M8 FLAT WASHER- BLACK ZINC	M8 FLAT WASHER, 16.5x8.4x1.2, ISO4042 ZnNi BLACK PASSIVATED FINISH
24	M8 NUT	Hex Nut, M8x1.25 G8.8 ZP
8	M10X16 BHCS	SCREW, BUTTON HEAD CAP, M10X16X1.5 GR12.9 ZP
8	M10 Flat Washer	M10 Flat Washer
8	M10 NUT	Hex Nut, M10x1.5 G8.8 ZP

Side Rail Step Kit – (Required for fitment of Side Rails)

Qty	Part Number	Description	Image
2	E-0002-1230	Slider extrusion - 1230MM	
1	B-1064R	Side Rail Step - 1230 Extrusion	
1	B-1064L	Side Rail Step - 1230 Extrusion	
1	B-0306R	Slider End Cap - Stub Nose	
1	B-0306L	Slider End Cap - Stub Nose	

Side Rail Step Kit Small Parts – Contained in Small Parts Kit Bag

Qty	Part Number	Description
2	M6x16 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M6X16X1 GR12.9, ISO4042 ZnNi BLACK PASSIVATED FINISH
2	M6 FLAT WASHER BLACK ZINC	M6 Flat Washer, 12x6.1x1, ISO4042 ZnNi BLACK PASSIVATED FINISH
2	M6CN3MM	CAGE NUT M6x2.6-3.5
12	M8 X 20 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M8X20X1.25, ISO4042 ZnNi BLACK PASSIVATED FINISH
12	M8X20 CAP SCREW	CAP SCREW, M8X20X1.25 GR10.9 ZP
24	M8 FLAT WASHER- BLACK ZINC	M8 FLAT WASHER, 16.5x8.4x1.2, ISO4042 ZnNi BLACK PASSIVATED FINISH
24	M8 NUT	Hex Nut, M8x1.25 G8.8 ZP
8	M10X16 BHCS	SCREW, BUTTON HEAD CAP, M10X16X1.5 GR12.9 ZP
8	M10 Flat Washer	M10 Flat Washer
8	M10 NUT	Hex Nut, M10x1.5 G8.8 ZP

TOOLS REQUIRED

The following tools will be required to install the product.

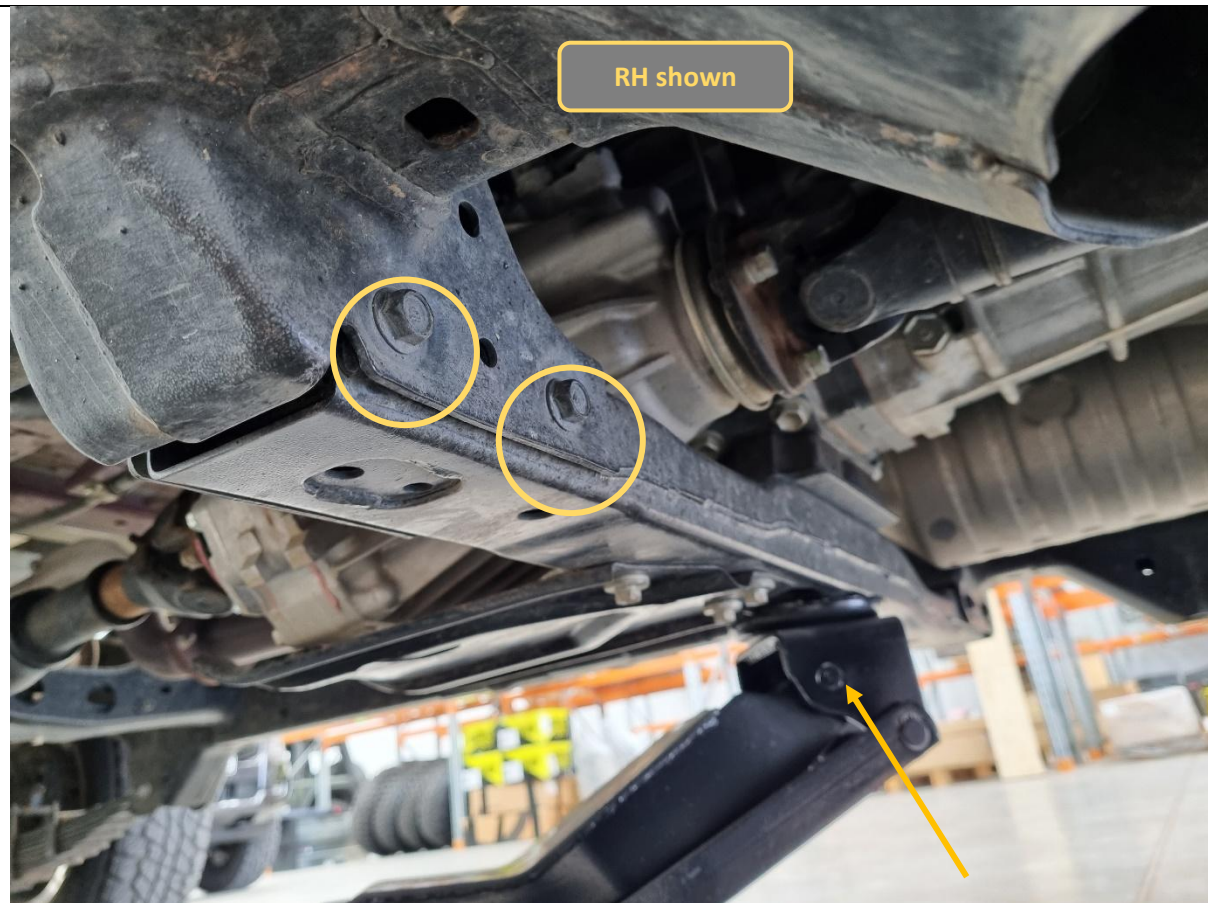
Hand Tools	Power Tools	Workshop Equipment
Metric Socket Set 10-19mm	Electric/Air Impact Driver (Optional)	Workshop Jack
Socket Extension Bar		Clamps
Socket Wrench		
Metric Spanner Set 10-19mm		
Hex (Allen) Key Set 4-6mm		
Flat blade screwdriver		

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. Remove the factory side steps by removing 8x 10mm hex head bolts securing it to the body. 2. Discard the factory steps.	TOOLS REQUIRED 10mm socket/spanner
	FASTENERS



3. Place a workshop jack under the car to support the transmission cross member.
4. When installing the front mounts, complete the installation on one side of the vehicle before starting the other. Under no circumstances should both sides of the transmission cross member be loose/unbolted at the same time.
5. Remove the 2x 14mm factory hex head bolts and nuts securing the transmission cross member to the chassis rail.
6. The transmission cross member should not move, as the weight of the transmission should be supported by the jack. If the cross member starts to move as you are loosening bolts, re-tighten bolts and reset the jack before repeating.

TOOLS REQUIRED

Workshop jack
14mm socket/spanner

FASTENERS



7. Place 2x P-0034 Front Mount Spacer plates on each inside face of the front mount (see top left inset photo). Fit the front mount to the transmission cross member.
8. Ensure the front mount is pressed firmly up against the chassis rail, then secure with 2x M10x140 hex bolts, heavy duty washers and flange nuts.

TOOLS REQUIRED

16/17mm socket/spanner

FASTENERS

2x M10x140 hex bolt
2x M10 heavy duty washer
2x M10 flange nut

	
9. Fit the rear mount bracket to the chassis rail in front of the rear cab mount as shown. Ensure the U-bracket is positioned in between the chassis and any fuel/brake lines. 10. Loosely secure with 2x M12x120 hex bolts, heavy duty washers, T-0088 88mm crush tubes and flange nuts. Bolt head on the inside of the chassis rail. The crush tube is placed in between the U-bracket.	TOOLS REQUIRED
	FASTENERS 2x M12x120 hex bolt 2x M12 heavy duty washer 2x crush tube 2x M12 flange nut



11. Insert supplied shim plates in between the rear mount and chassis rail to take up any gaps caused by welds.
12. Adjust number of shim plates to achieve 20-25mm clearance between the mount arm and the cabin sill, then tighten M12 bolts.

TOOLS REQUIRED

18/19mm socket/spanner

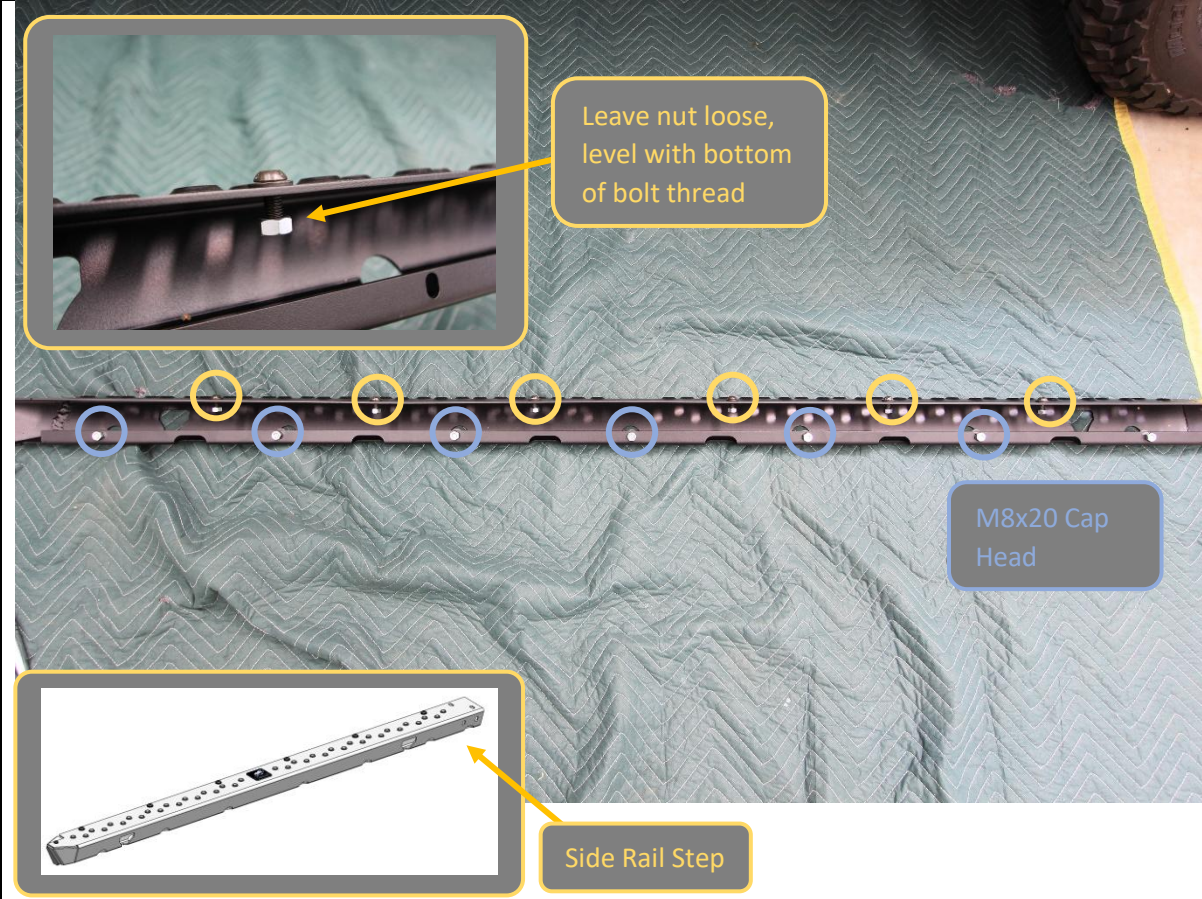
FASTENERS



13. Check front and rear mounts are parallel and have even gapping (+/- 5mm) to the sill. Readjust with shims if necessary.

14. Repeat mount installation for other side of vehicle.

TOOLS REQUIRED**FASTENERS**



Leave nut loose, level with bottom of bolt thread

M8x20 Cap Head

Side Rail Step

15. Prepare the side step plate by loosely pre-fitting fasteners to the step. 16. Note: Side steps are unique left/right for side rail type steps, but the fitting procedure is the same. 17. Use M8x20 black button head bolts, black M8 washers and M8 nuts on 6x locations on the top of the side step. 18. Use M8x20 socket head cap screws, M8 washers and M8 nuts on 6x locations on the bottom of the side step.	TOOLS REQUIRED FASTENERS 6x M8x20 black button head 6x M8x20 socket head cap screw 12x M8 black washer 12x M8 hex nut
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19. Slide the side step plate onto the main slider structural extrusion. Align the nuts as they enter the T-slots on the extrusion.
20. Continue sliding the side step on until it is positioned central on the extrusion.
21. Clamp the side step hard onto the extrusion (see inset photo), then tighten all bolts.

TOOLS REQUIRED

Clamps (soft jaw or padded with soft material)

5mm hex/Allen key
6mm hex/Allen key

FASTENERS



22. Fit 1x M6 cage nut into the square hole in the top of the end cap. Use a flat blade screwdriver to assist if required.

23. Slide 2x M10 nuts into the T-slots on the back side of extrusion. 1x nut per slot.

24. Fit end cap over the end of the extrusion.

25. Secure 2x M10x16 button head bolts and flat washers to the nuts in the extrusion, and 1x M6x16 black button head bolt and black washer to the cage nut on top.

TOOLS REQUIRED

Flat blade screwdriver

4mm hex/Allen key
6mm hex/Allen key

FASTENERS

1x M6x16 black button head
1x M6 black flat washer
1x M6 cage nut

2x M10x16 button head
2x M10 flat washer
2x M10 hex nut



26. Slide 8x M10x25 hex bolts onto the T-slots on the back side of the extrusion. 4x bolts per slot. 27. Loosely arrange the bolts in 2x groups of 4x bolts, in approximate corresponding locations to the mounts installed on the car.	TOOLS REQUIRED 6mm hex/Allen key
	FASTENERS 8x M10x25 hex bolt



28. Fit the mirrored end cap to the remaining open end of the slider, using the same procedure as Steps 22-25. Note: This is not required when fitting side rail type steps.	TOOLS REQUIRED Flat blade screwdriver 4mm hex/Allen key 6mm hex/Allen key
	FASTENERS 1x M6x16 black button head 1x M6 black flat washer 1x M6 cage nut 2x M10x16 button head 2x M10 flat washer 2x M10 hex nut



29. With assistance from another person, or mechanical lifting aid such as a lift trolley, lift the slider step onto the mounts.
30. Manipulate the position of the bolts on the back of the slider extrusion to align through the holes in the mounts.
31. Loosely secure with M10 flange nuts.

TOOLS REQUIRED**FASTENERS**

8x M10 flange nuts



32. Align the hi-lift jack cutout at the rear of the slider step with the rear chassis mount.
33. Next align the slider step so that it is sitting parallel to the cab.
34. Once happy with alignment, tighten all 8x M10 flange nuts on the back of the extrusion.

TOOLS REQUIRED

16/17mm socket/spanner

FASTENERS



35. Repeat the entire slider step installation process for the other side of the vehicle.
36. If fitting side rails, refer to separate side rail fitting instruction.

TOOLS REQUIRED**FASTENERS**



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