

TOYOTA LANDCRUISER 79 SINGLE CAB (5 Star Safety Update) MY2017-ON ROCK SLIDERS

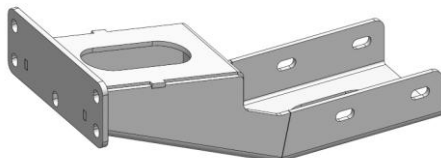
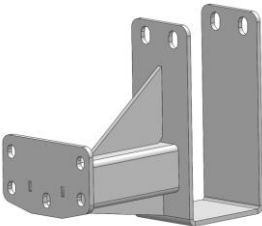



IMPORTANT! – READ BEFORE INSTALLATION

- 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

PARTS LISTING

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

Bracket Kit Parts – In the Box


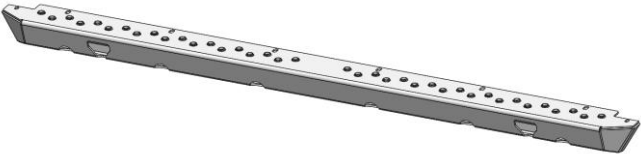
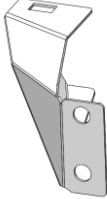

Qty	Part Number	Description	Image
2	RS-TLC-79SC-17-ASM1	LC79 SC Slider - Front Mount Welded Assy	
2	RS-TLC-79SC-17-ASM2	LC79 SC Slider - Rear Mount Welded Assy	
10	B-1303	LC79 SC Slider - Rear Mount Shim	
4	P-0334	LC79 SC Slider - Front Mount Spacer Plate	
4	T-0088	LC79 SC Slider - Crush Tube 85mm	

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:


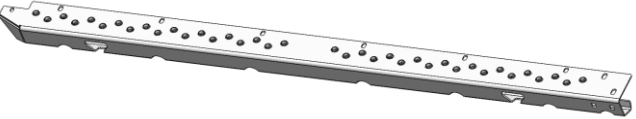
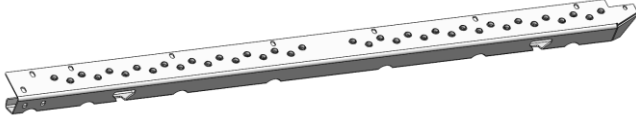
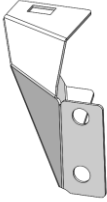

Rock Slider Step Kit – (Required if not fitting Side Rails)

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

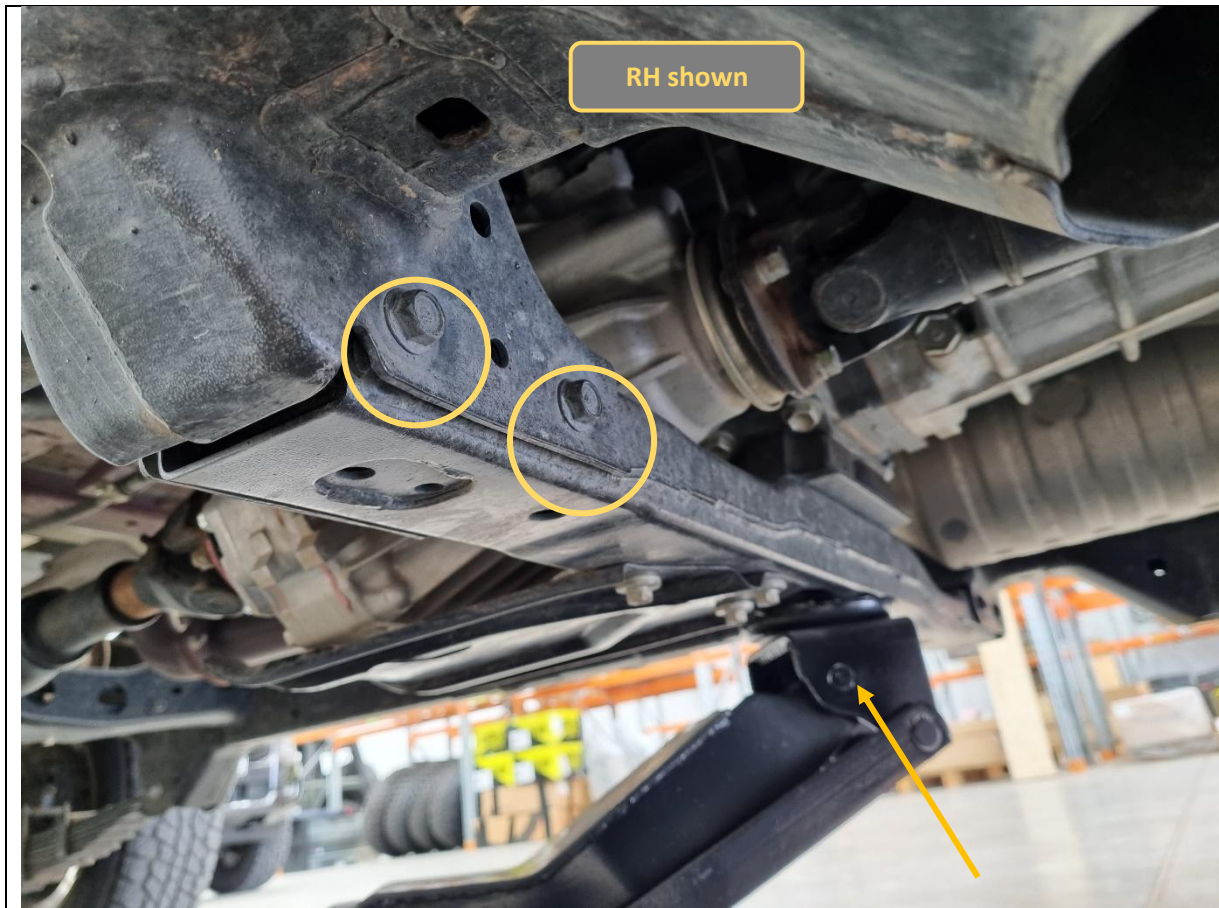


1. Remove the factory side steps by removing 8x 10mm hex head bolts securing it to the body.
2. Discard the factory steps.

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

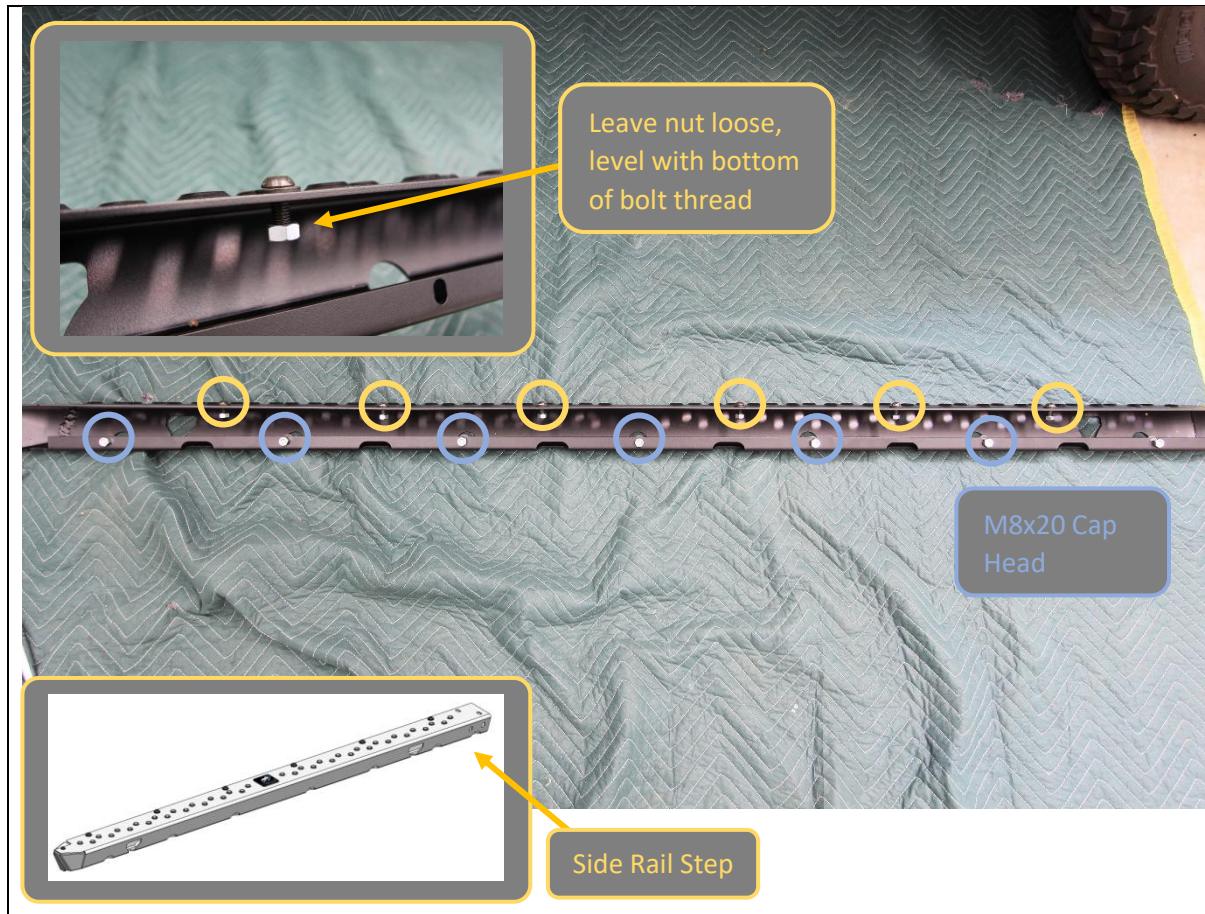


13. Check front and rear mounts are parallel and have even gapping (+- 5mm) to the sill. Readjust with shims if necessary.

14. Repeat mount installation for other side of vehicle.

TOOLS REQUIRED

FASTENERS



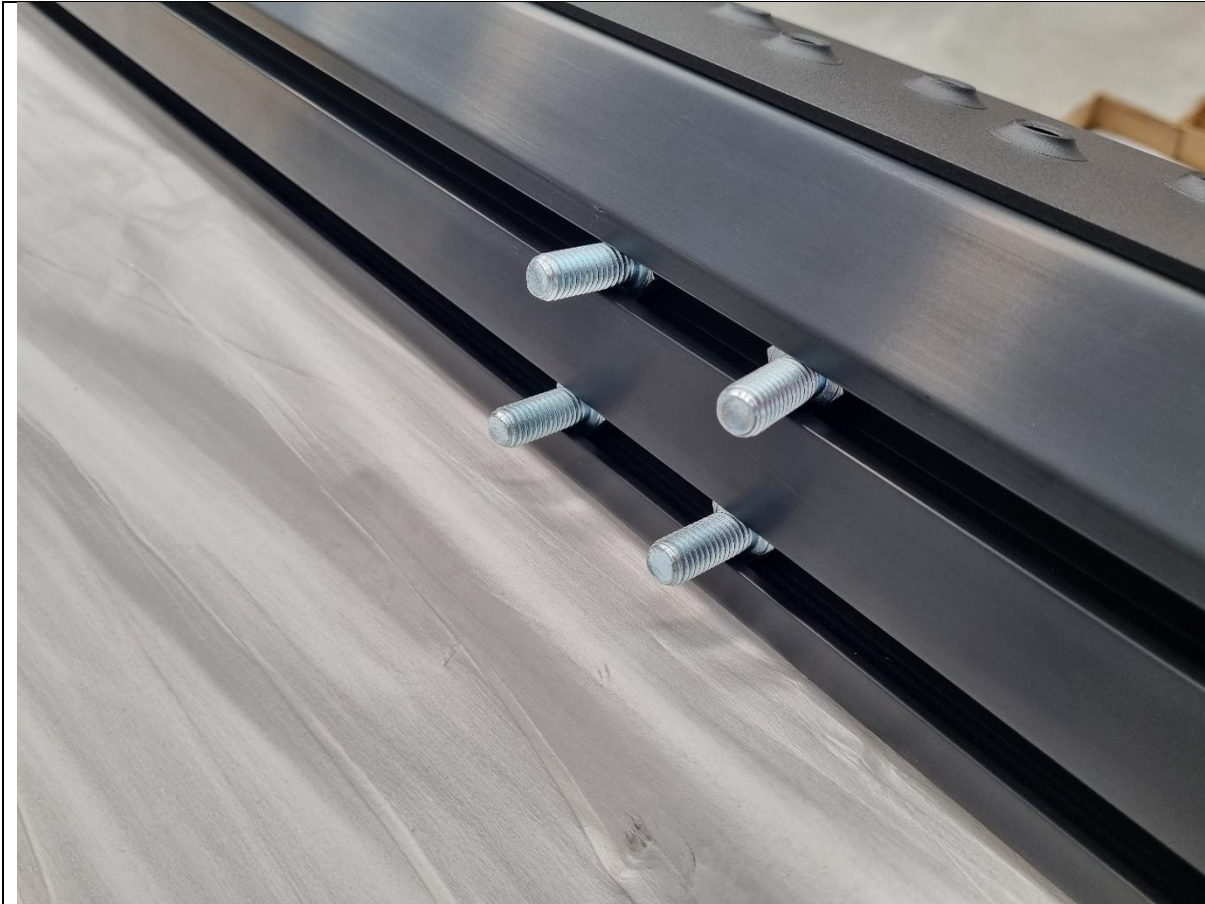
<p>15. Prepare the side step plate by loosely pre-fitting fasteners to the step.</p>	<p>TOOLS REQUIRED</p>
<p>16. Note: Side steps are unique left/right for side rail type steps, but the fitting procedure is the same.</p> <p>17. Use M8x20 black button head bolts, black M8 washers and M8 nuts on 6x locations on the top of the side step.</p> <p>18. Use M8x20 socket head cap screws, M8 washers and M8 nuts on 6x locations on the bottom of the side step.</p>	



<p>19. Slide the side step plate onto the main slider structural extrusion. Align the nuts as they enter the T-slots on the extrusion.</p> <p>20. Continue sliding the side step on until it is positioned central on the extrusion.</p> <p>21. Clamp the side step hard onto the extrusion (see inset photo), then tighten all bolts.</p>	<p>TOOLS REQUIRED</p> <p>Clamps (soft jaw or padded with soft material)</p> <p>5mm hex/Allen key 6mm hex/Allen key</p>
	<p>FASTENERS</p>



<p>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.</p> <p>23. Slide 2x M10 nuts into the T-slots on the back side of extrusion. 1x nut per slot.</p> <p>24. Fit end cap over the end of the extrusion.</p>	<p>TOOLS REQUIRED</p> <p>Flat blade screwdriver</p> <p>4mm hex/Allen key 6mm hex/Allen key</p>
<p>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.</p>	<p>FASTENERS</p> <p>1x M6x16 black button head 1x M6 black flat washer 1x M6 cage nut</p> <p>2x M10x16 button head 2x M10 flat washer 2x M10 hex nut</p>



- 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!