



2023+ INEOS GRENADIER WELDED STEEL ROCK SLIDERS

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 hour

GENERAL CARE AND MAINTENANCE

Use caution when cleaning with pressure washers, as they may compromise the product coating's integrity. Exercise care to avoid surface damage.

Only wash the product with a PH neutral car wash to prevent paint damage and discolouration.

Do not use acidic or alkaline based cleaning products.

Plastic parts may be maintained with silicone spray.

It is important to perform regular checks (pre/during/post trip or on an annual basis) on the installed product. More frequent checks may be required in extreme use cases. 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.

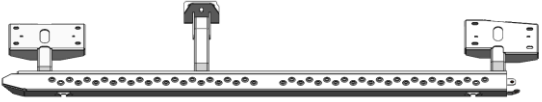

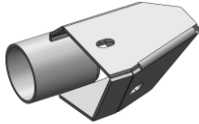
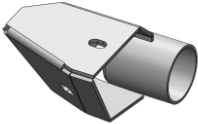
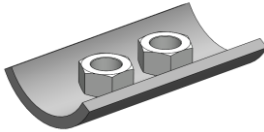
FRONT BAR MOUNTS AND TOW POINTS + REAR TOWBAR	
Size	Torque Nm
M10	57 Nm
M12	100 Nm
M14	164 Nm
M16	248 Nm

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.

Main Parts – In the Box

Qty	Part Number	Description	Image
1	RSW-IGR-G1-23-ASM1R	Ineos Grenadier Welded Slider Main Weldment	
1	RSW-IGR-G1-23-ASM1L	Ineos Grenadier Welded Slider Main Weldment	
1	RSW-IGR-G1-23-ASM2R	Ineos Grenadier Welded Slider Endcap	
1	RSW-IGR-G1-23-ASM2L	Ineos Grenadier Welded Slider Endcap	
2	NP-TUB-40NBH-2XM10-ASM0	40NB Heavy Double Nut Plate 2xM10, 25mm Spacing	

Small Parts – Contained in Small Parts Kit Bag

Qty	Part Number	Description
4	M8 HD FLAT WASHER - BZP	M8 FLAT WASHER - High Tensile 19x8x2mm, ISO4042 ZnNi BLACK PASSIVATED FINISH
4	M8 X 20 BHCS BLACK ZINC	SCREW, BUTTON HEAD CAP, M8X20X1.25, ISO4042 ZnNi BLACK PASSIVATED FINISH
4	M10 Flat Washer Black Zinc	WASHER, FLAT M10X20.5X1.6, ISO4042 ZnNi BLACK PASSIVATED FINISH
16	M10 x 30	Bolt Hex, M10X30x[1.5], GR8.8 ZP
16	M10 FW LHD	WASHER, FLAT M10X28.5X2.5
4	M10 x 35 BLACK ZINC	Bolt Hex, M10X35x[1.5], GR8.8 ZP, ISO4042 ZnNi BLACK PASSIVATED FINISH
8	M10 FLANGE NUT	Flange Nut, M10x1.5 G8.8 ZP
6	M12X30X1.5	Bolt Hex, M12X30x1.5, GR8.8 ZP


TOOLS REQUIRED

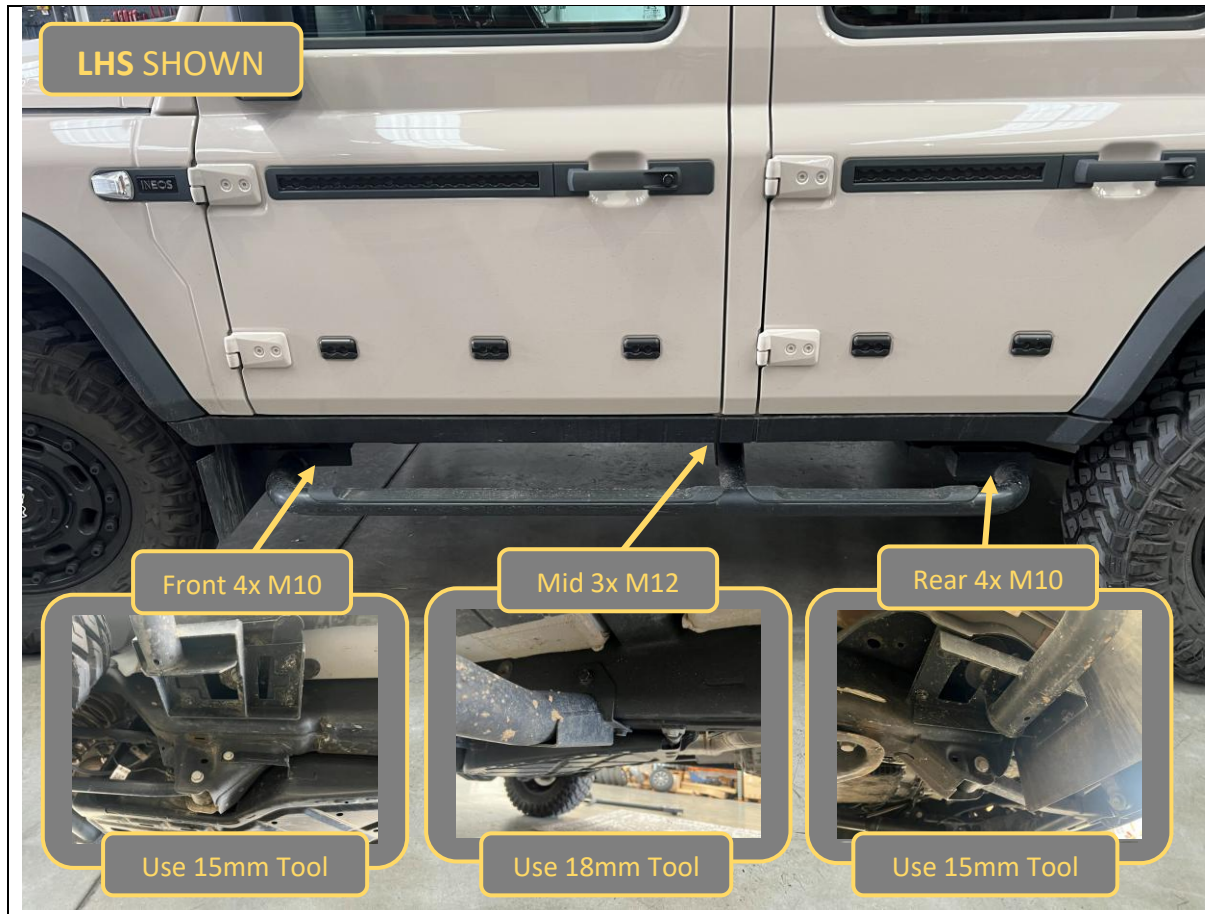
The following tools will be required to install the product.

Hand Tools	Power Tools	Workshop Equipment
Metric Socket Set 8-19mm Socket Extension Bar Metric Spanner Set 10-19mm Hex (Allen) Key Set 4-6mm	Electric/Air Impact Driver (Optional)	Hydraulic Floor Jack Lift Trolley

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. These Rock sliders suit Grenadier Wagon vehicles only. Fitment to suit Quartermaster (Ute) is coming soon.
2. Remove Factory side steps if fitted by removing the 8xM10 and 3x M12 Bolts (2 Per mount) securing them to the Chassis using a 15 & 18mm socket. Remove steps on both sides of vehicle.
3. Discard Factory steps and bolts.

TOOLS REQUIRED

15 & 18 mm socket

FASTENERS

Factory Flange head Bolts
(Discard)



4. Unpack welded slider assembly and position on lifting trolley such that mounts sit approximately level.

5. Gather and sort required hardware for fitment.

Front Mount:

4x M10x30 Hex Bolts

4x M10 HD Washer

Mid Mount:

3xM12x30x1.5p Hex Bolt

3xM12 HD Washer

Rear Mount:

4x M10x30 Hex Bolts

4x M10 HD Washer

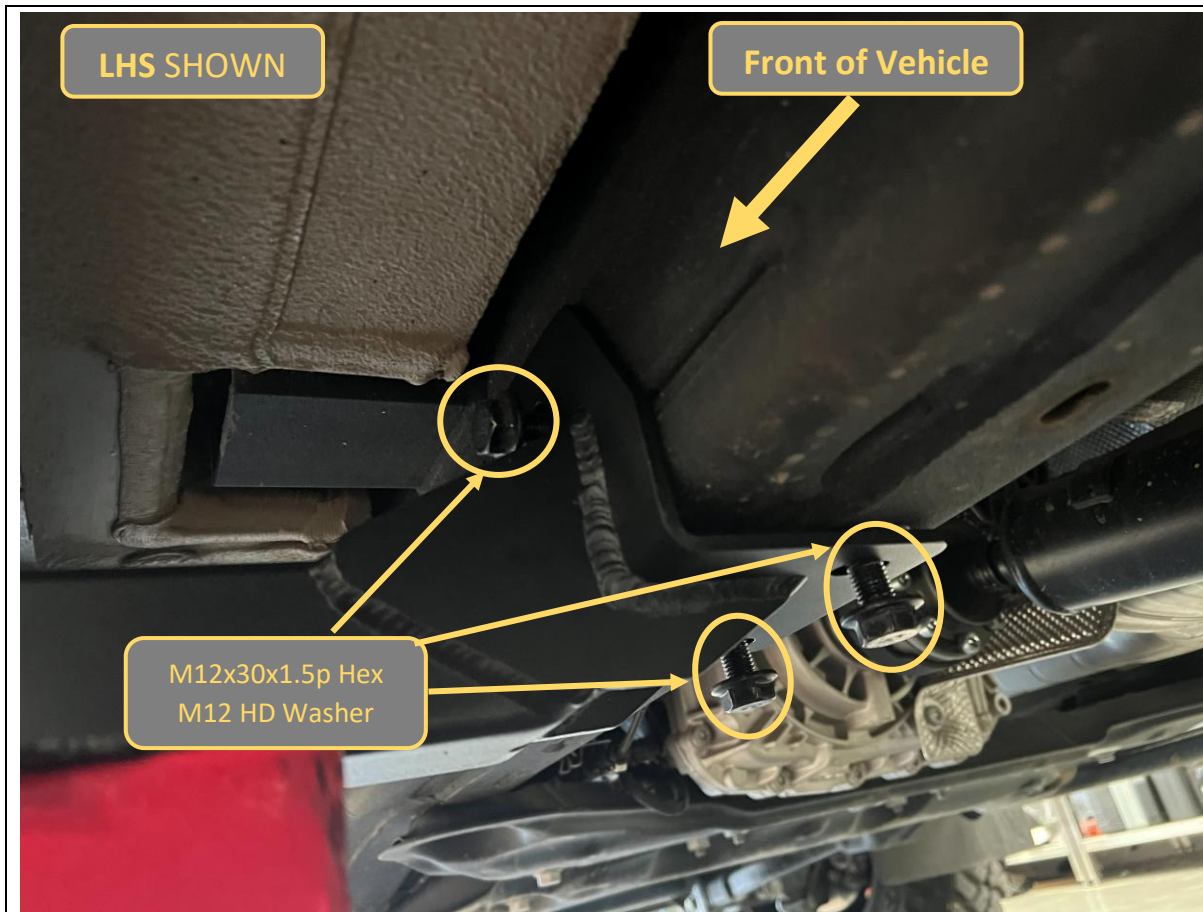
4x M10 Flange Nuts

TOOLS REQUIRED

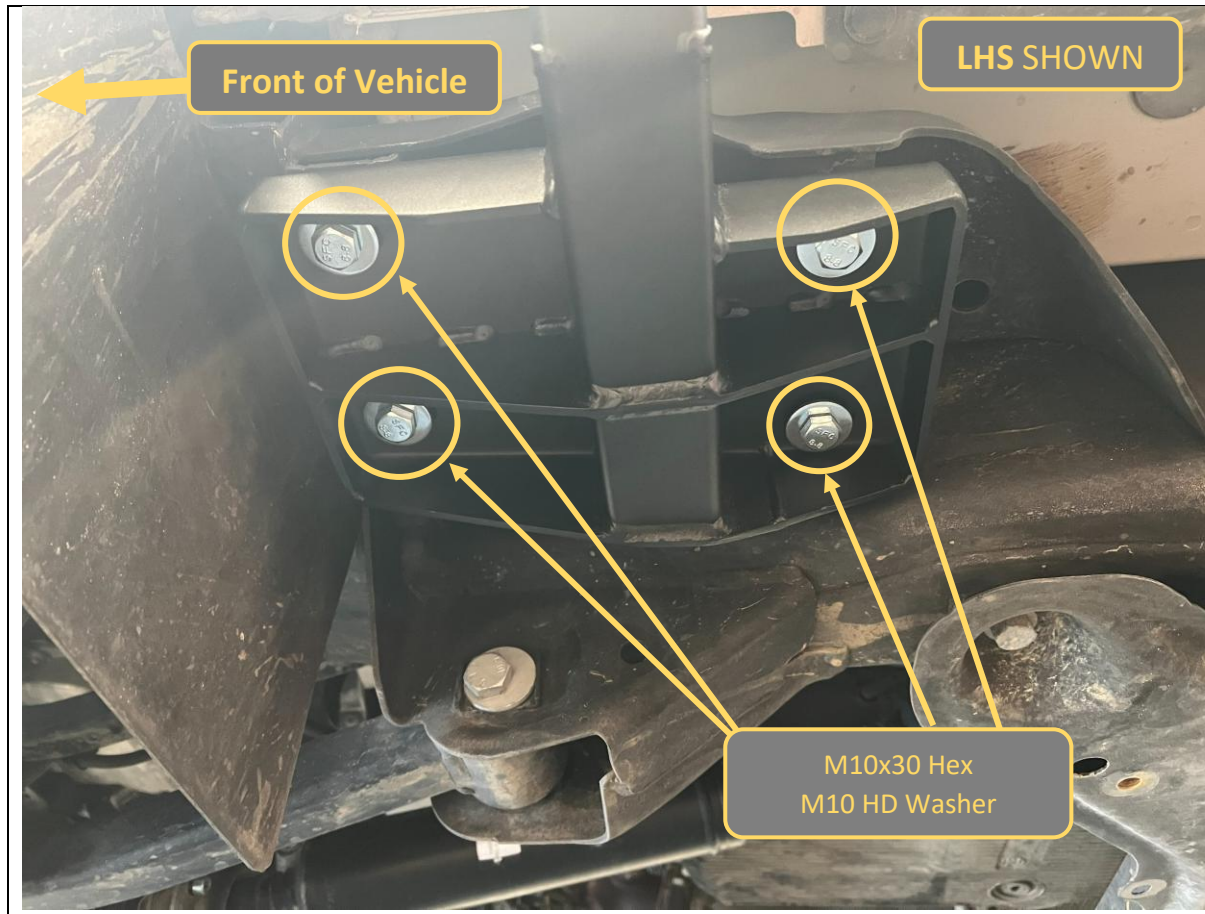
Lifting Trolley

FASTENERS

Refer main text



<ol style="list-style-type: none"> 6. With assistance from another person, fit the slider to the vehicle and secure it to mounting locations. 7. First secure the middle mount to the chassis, using M12x30x1.5p Bolts and HD flat washers into the M12x1.5p Threaded points in the chassis rail. 8. Snug fasteners but do not tighten at this stage, once bolts are snug the support trolley can be removed for easier access. 	<p>TOOLS REQUIRED</p> <p>18mm Socket / Spanner</p>
	<p>FASTENERS</p> <p>3x M12x30x1.5p Hex Bolt 3x M12 HD Washer</p>



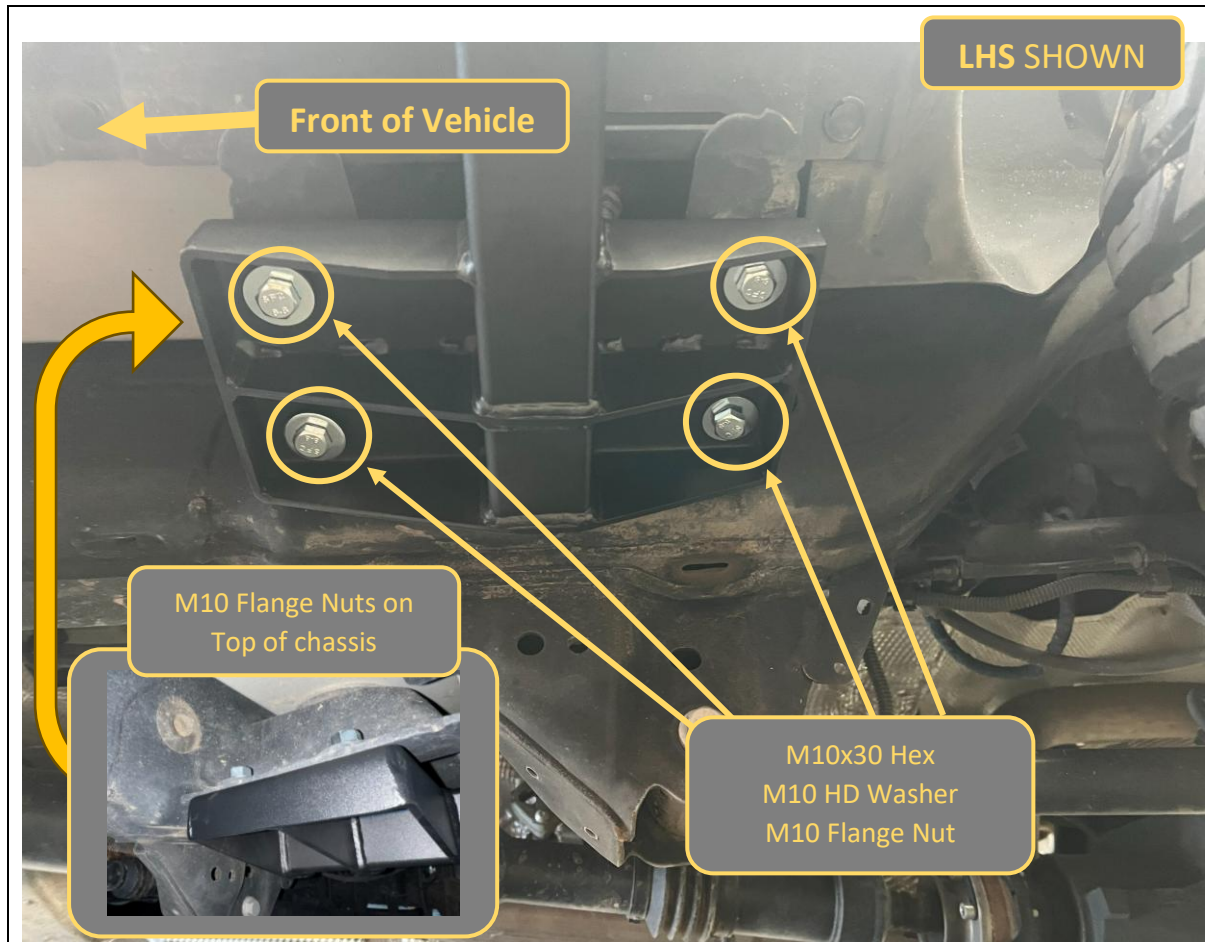
9. Secure the Front mount to the chassis, using M10x30 Bolts and HD flat washers into the M10 Threaded points in the chassis rail.

10. Snug fasteners but do not tighten at this stage.

TOOLS REQUIRED
16/17mm Socket / Spanner

FASTENERS

4x M10x30 Hex
4x M10 HD Washer



11. Secure the Rear mount to the chassis, using M10x30 Bolts and HD flat washers & M10 Flange Nuts through the mounting holes in the chassis rail.

Snug fasteners but do not tighten at this stage.

TOOLS REQUIRED

16/17mm Spanner / Socket
15mm Spanner

FASTENERS

4x M10x30 Hex
4x M10 HD Washer
4xM10 Flange Nut



12. Check all fasteners are snug and mounts are sitting against the chassis rail

13. Tighten Fasteners in the following order.

First: Side M12 Bolt on Middle Mount.

Second: M12 Bottom Bolts on Middle Mount

Third: All M10 Bolts on Front and Rear Mounts

14. Complete slider installation steps 4-13 for the other side of the vehicle.

TOOLS REQUIRED

- Ratchet / Impact Driver
- 15mm Spanner
- 16/17mm Socket
- 18mm Socket

FASTENERS



15. If you are also fitting side rails to cars equipped with a Toro bull bar do so now, follow instructions supplied with the side rail kit.

TOOLS REQUIRED

Refer to Side Rail Kit instructions

FASTENERS

Refer to Side Rail Kit instructions



16. If you are not fitting side rails, fit the end caps to the front of the sliders.
17. First insert the tube nut plate into the slider tube and thread in 2x M10x35 Black Zinc Bolts with M10 black washers.
18. Push up on the bolts to lift the nut plate and create a gap to allow the end cap to be fitted on the end of the slider. The tube portion of the end cap should sit between the slider tube and the tube nut plate.
19. Secure the end cap with 2x M8x20 Black Button head bolts & Black flat washers into M8 threads in the slider.
20. Tighten the M8 bolts first, then the M10 Bolts.
21. Complete end cap installation on other side of the vehicle.
22. Double check all fasteners are tight, and you are done!

TOOLS REQUIRED

5mm Hex Key
16/17mm Spanner / Socket.

FASTENERS

2x M8x20 Black Button Head
2x Black M8 Washer
2x M10x35 Black Hex Bolt
2x Black M10 Washer

Per Side



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