

Congratulations on ordering your TuffAnt RockSliders!

Before you start the install process, there are a few tools and parts you will need for the install. Our **Hot Tip** is to get these ready as they will make the process easier. Remember this is a 1-2 person job, and if you are doing a solo install, a trolley jack is a must have. Also, please ensure your New Defender 90 is on a flat surface for safety, and in offroad height for ease of accessibility.

Important Note: These cannot be installed on a hoist, due to the RockSliders covering the jack points.

Tools Required:



- 6mm T-Bar/Allen Key



- T30 Torx Screw (Large Flat-Blade Screwdriver also suits)



- Trolley Jack



- 8mm Socket



- 10mm Socket



- 13mm Socket



- 15mm Socket



- 55-65mm Hole Saw Bit

Parts Required:



- New Defender 90
- TuffAnt RockSliders for ND90



- Bolts, spacers and washers (provided)

TuffAnt RockSliders Install Instructions

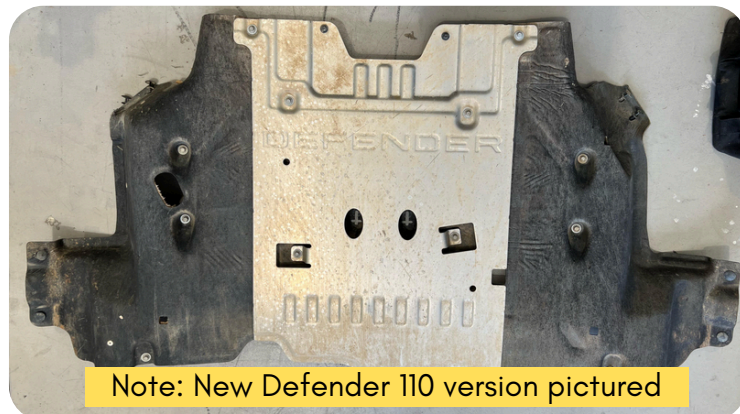
Part A

🕒 90 min

- 1 Remove metal front transmission guard & felt mat.

It has 10mm bolts, torque screws, & plastic clips into the mud guard liners & side sills.

NOTE: The metal front transmission guard will be reinstalled.



Note: New Defender 110 version pictured

- 2 Remove driver & passenger felt mats & splash guards.

They have 2x 8mm bolts, 10mm bolts, 2x 13mm bolts, and plastic clips.



Note: New Defender 110 version pictured

- 3 Remove driver & passenger felt mat brackets.

They have 10mm bolts.



Note: New Defender 110 version pictured

- 4 Reinstall front transmission guard.

Re-use the 10mm bolts.



Note: New Defender 110 version pictured

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RockSliders

Install Instructions

Part A

🕒 90 min

- 5 To find the access points underneath the plastic, from the rear jack point go up 285mm to find your first hole, then go 330mm forward, and finally 150mm to find the last hole.



- 6 Using the 55-65mm Hole Saw bit, drill through the plastic below the bolt areas. Ensure the hole saw centre drill bit is just proud of the saw (<10mm) so you don't drill into the chassis. Then remove the bolts using the 13mm socket. Re-Install the plastic plugs into their original position.



- 7 Using the 15mm socket, remove the circled bolt on both sides of the car. This is located between the front jack point and transmission guard.



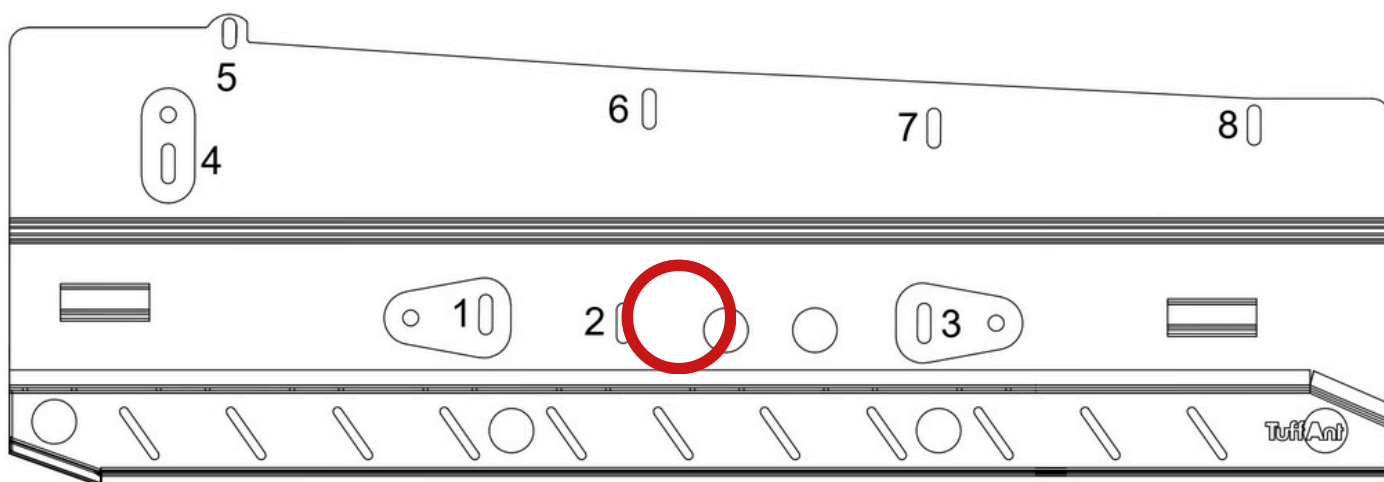
TuffAnt RockSliders Install Instructions

Part B

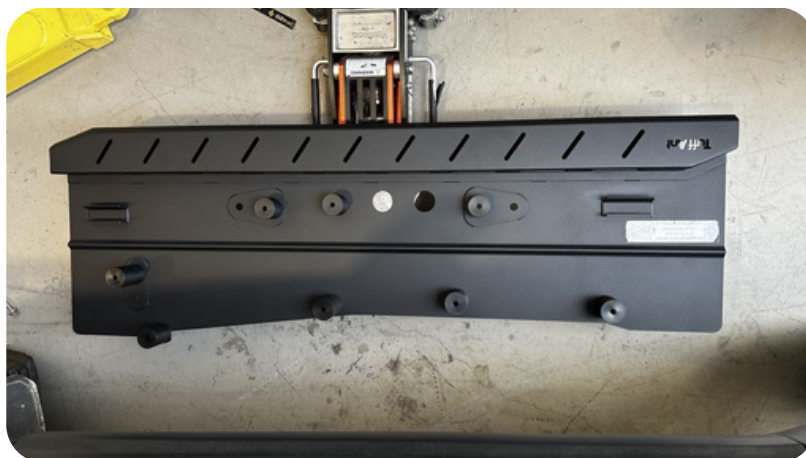
🕒 90 min

8 Unbox your TuffAnt RockSliders. Remove all the nylon spacers, bolts and washers and place them aside.

9 Place a slider on the trolley jack, with the space just behind Slot 2 sitting on the saddle of the jack. This will allow the slider to balance by itself while you continue to set up. Doing this close to the side of the car you are working on will allow for easier installation.



10 Distribute each Nylon spacer to the required position, using the [Layout Guide](#) for spacer allocations (pages 7 & 8)



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Install Instructions

Part B

🕒 90 min

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Once in position, grab 2 of the M10x 120mm bolts and 2x M10 washers, threading the bolt through the washer. Grab 2 of the E-type Clips and go to slots 6 & 7.

Insert each bolt through the bottom of the slider and spacer for slots 6 & 7. When fully inserted, gently screw an E-type Clip 10-15mm. *These clips will help hold the bolt up when raising the slider to help with initial alignment and fitment.*

12

Roll the slider underneath the car and begin to jack up slowly adjusting as you go.

When the slider is close to the car, make sure that the Jacking-point brackets are aligned with the jacking points on the car, so that they will sit inside the brackets.

Raise the slider slowly, you will want the slider as close to the car as possible but importantly not allowing the nylons to press against the car. If the nylons are pressed against the car, it will not allow for adjustments during fitment.

Continue to adjust as needed and screw in slots 6 & 7 part way to the chassis.

You can also use anti-seize grease on the bolts if desired, for easy removal if required.

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Insert a bolt and washer for the remaining 6 slots, and thread slightly.



DO NOT use a drill to tighten the RockSliders as it can damage the hex head fitment on the cap of the bolt, making it hard to remove if required.

Tuff Ant RockSliders

Install Instructions

Part B

🕒 90 min

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Once all 8 bolts are threaded slightly into the chassis, lower the jack and remove it.

Continue to thread bolts in slots , checking the fitment as you go.

Important note: Do not tighten completely yet.

15

Now continue to thread bolts in slots 1-6.

Again, do not tighten completely.

16

Once the RockSlider is in position, and you are happy with the alignment, tighten all the bolts fully, starting at the front working back.

Recheck and tighten the bolts, this time working from back to front, as some will not be fully tightened at the front of the vehicle.

Note: New Defender 110 version pictured



Note: New Defender 110 version pictured



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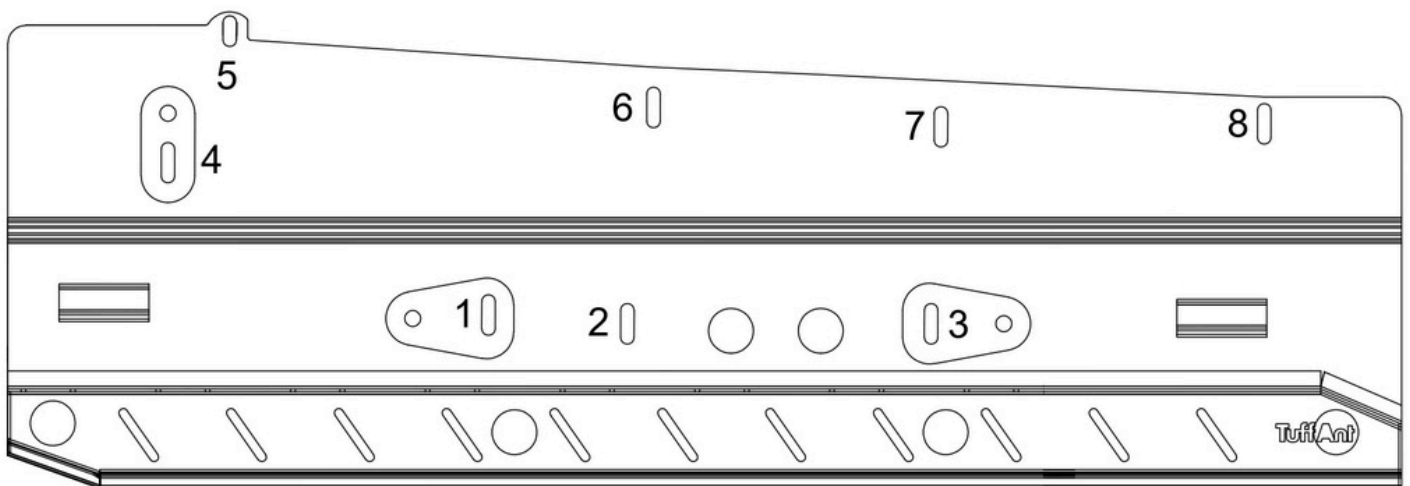
Repeat steps 9-16 on the other side of the vehicle.



DO NOT use a drill to tighten the RockSliders as it can damage the hex head fitment on the cap of the bolt, making it hard to remove if required.

Layout Guide Left Hand Side

Nylon Height	Quantity	Left Hand Side Slot Locations
80mm	2	4,6
70mm	1	7
70mm (2-step)	1	8
65mm	1	5
50mm	2	1,2
40mm	1	3



Layout Guide Right Hand Side

Nylon Height	Quantity	Right Hand Side Slot Locations
80mm	2	4,6
70mm	1	7
70mm (2-step)	1	8
65mm	1	5
50mm	2	1,2
40mm	1	3

