Fitting Instructions

Description：	**Toyota Prado 250 Rock Sliders/Side Steps**
Model：	**Toyota Prado 250**
SKU：	SSSRA-F250





Important Notice – Please Read Before Installation

Before commencing the installation, please ensure you have **carefully read and understood all instructions**. Rockarmor products are engineered to the highest standards using premium materials and finishes. This includes **sandblasting all raw materials**, **e-coating to eliminate impurities**, and applying a **Tiger powder coat** for enhanced durability.

Should the product become scratched or damaged during off-road or on-road use, the affected surface must be **repaired promptly** to maintain corrosion resistance and product longevity.

Installation must be carried out by a qualified technician, and all steps must be followed precisely to ensure a secure and proper fit.

Side Impact Airbag Compatibility

If your vehicle is equipped with **side impact airbags**, the Rockarmor side steps have **airbag-compatible brackets** integrated into the design. These brackets allow the side steps to remain compliant with airbag deployment safety standards while still offering robust protection and functionality.

While Rockarmor side steps are engineered to be durable and suitable for off-road use, **we strongly advise against using them as a high-lift jack point.** Applying a high lifting force may compromise the structural integrity of the **airbag support brackets**, and could impact airbag performance in the event of a collision.

Note: Please Read Before Attempting Installation

- This product and its fixings **must not be modified** unless explicitly stated in these instructions.
- **Do not remove** any product labels or compliance markings.
- This product is intended solely for use on the **specified vehicle model** outlined in this guide.
- The installer must ensure adequate **clearance between the chassis and body**, and proper fitment to all mounting points.
- **Loctite must be applied** to all bolts and nuts during installation.
- Specialized tools may be required, and we strongly recommend installation be carried out by an **experienced 4x4 accessory fitter**.

Liability Waiver

By proceeding with the installation, the installer acknowledges responsibility for adhering to these instructions.

Rockarmor Pty Ltd accepts no liability for any damage, injury, or vehicle malfunction arising from:

- Improper installation
- Use of this product in a way not intended or advised
- Failure to follow the provided fitting guide

Any deviation from the instructions or product modification will **void all warranties** and transfer all associated risks and liabilities to the installer and/or vehicle owner.

Occupational Health and Safety (OHS) Guidelines for the Workshop

Hearing Protection



All personnel must wear appropriate hearing protection in high-noise areas or when operating loud machinery to prevent hearing damage.

Eye Protection



Approved safety glasses or goggles must be worn at all times to shield the eyes from debris, chemicals, and other hazardous materials.

Safe Manual Handling Procedures



Use correct lifting techniques to avoid strains and injuries. Where possible, utilize mechanical aids and never exceed personal lifting capacity.

Hazard Awareness and Prevention



Remain vigilant of potential hazards within the workshop. Adhere to all posted warning signs and follow

established safety protocols to mitigate risks.

Flange Bolt and Flange Nut (Ribbed) – What They Are and Why We Use Them

A flange bolt is basically a strong bolt with a built-in washer under the head. Same goes for the flange nut – it's got a wide base like a washer and often comes with ribbing or serrations underneath. These ribs help the nut grip onto the surface, almost like tiny teeth locking it in place, so it doesn't work itself loose.

We've switched to using ribbed flange bolts and nuts for a good reason. When you're installing something solid like a bull bar on a 4WD – especially here in Australia – you need fasteners that can handle the punishment. Whether it's corrugated roads in the outback, rough trails, or just day-to-day off-road driving, the constant vibration and bumps can slowly shake standard nuts and bolts loose.

That's where flange hardware really shines. It spreads out the pressure better than a normal bolt and washer setup, and the ribbed surface helps lock everything down without needing extra spring washers or thread locker. It also speeds up installation – fewer loose bits to handle.

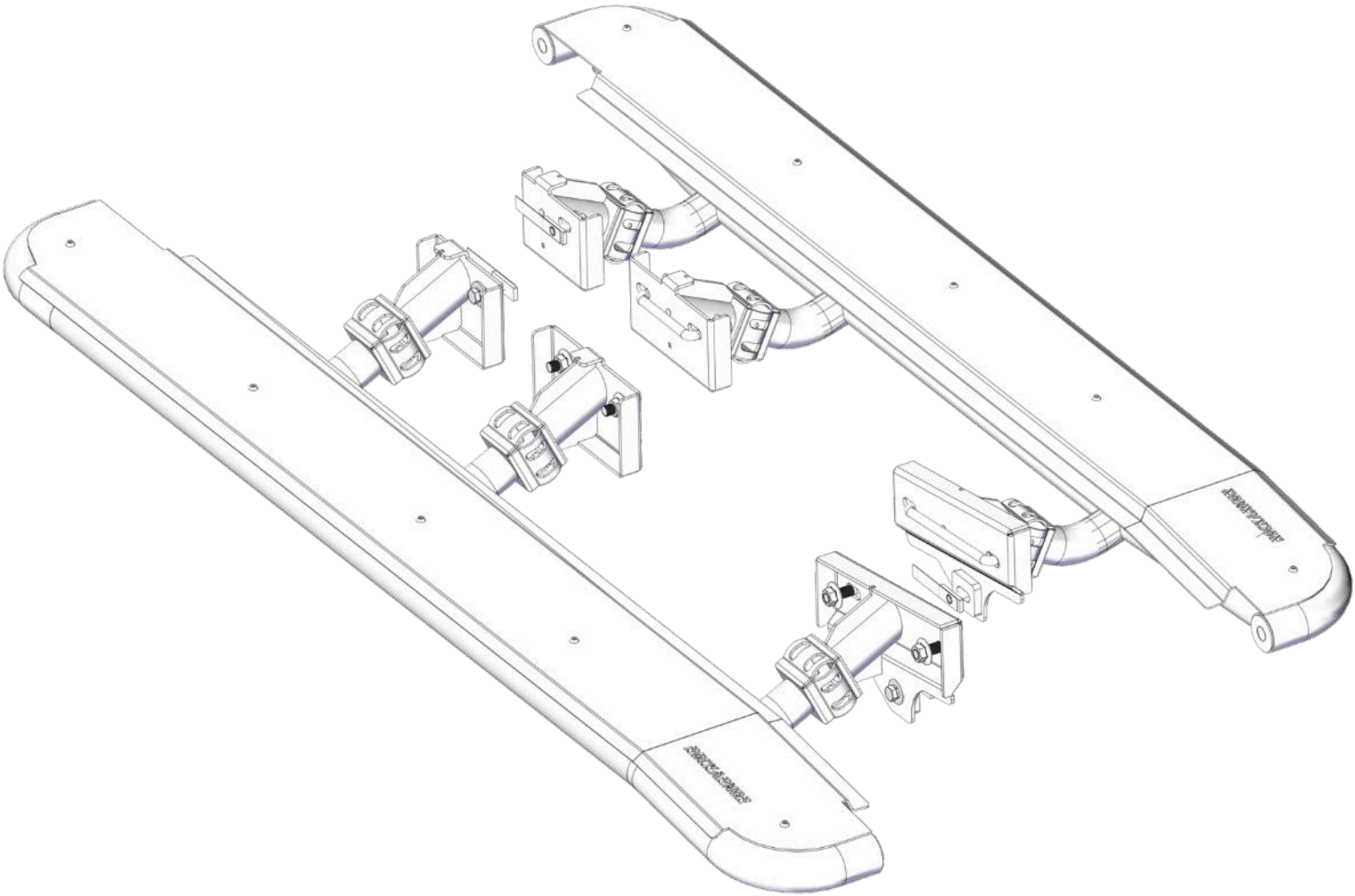
Here's why we rate them for 4WD use:

- **Better grip** – the ribbed flange bites in and stays put
- **Handles vibration** – perfect for corrugations and rough terrain
- **No need for washers** – one solid piece does the job
- **Faster to install** – less fiddling around
- **Cleaner finish** – looks neater once fitted
- **More secure** – helps keep your bull bar where it belongs





Note:
*You may notice some diagrams still show the older bolt setup with separate washers and nuts. We've now upgraded to ribbed flange bolts and nuts for a cleaner install and better durability on rough roads. For a quick summary of why this change matters, see the section titled "***Flange Bolt and Flange Nut (Ribbed) – What They Are and Why We Use Them** *?"*



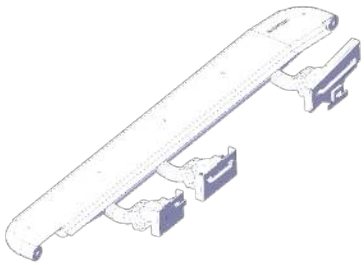
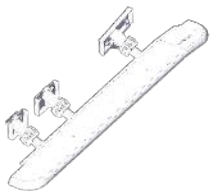
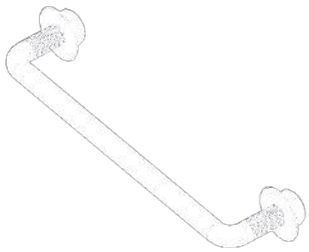
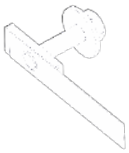
Please Note:

1） These Side Steps/ Rock Sliders cannot be installed onto other vehicles, in addition to the manufacturer special instructions

2） Do not remove labels on the Products.

3） Do not change the structure of Side Steps/ Rock Sliders.

Items List

Item	Description	Qty	Item	Description	Qty
1	 Side Step (LH)	1	2	 Side Step (RH)	1
3	 U-Bolt M12	4	4	 T-Nut M10	4

Item	Description	Qty
5	Flanged Nut M12	8
6	Hex bolt M10 x 40	4
7	Split Washer M10	4
8	Washer M10	4
9	Hex Bolt m8 x 25	4
10	Snap ring M8	4
11	Washer M8	10
12	Button Bolt M6x20	10
13	Flanged nut M6	10
14	Washer M6	10

Use this table as a general guide for clean, lightly oiled standard metric bolts. Approved product-specific settings and vehicle manufacturer specifications take precedence.

Bolt size	Thread pitch	Suggested reference torque
M6	1.00 mm	11 Nm
M8	1.25 mm	18 Nm
M10	1.50 mm	80 Nm
M12	1.75 mm	90 Nm
M16	2.00 mm	90 Nm
Original vehicle fasteners	As fitted	Vehicle manufacturer specification

IMPORTANT QUALIFICATIONS

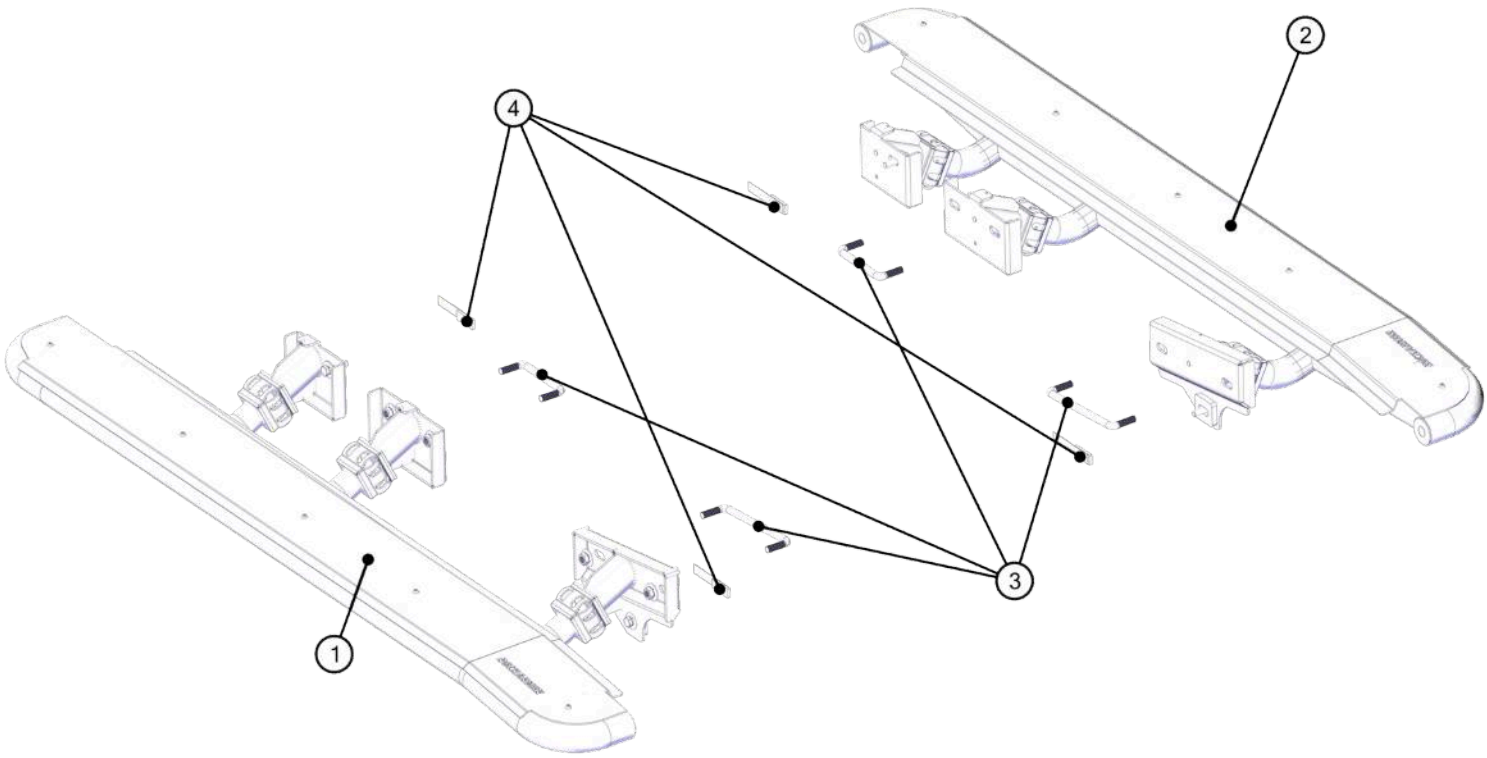
Different bolt grades, threads, finishes, stainless hardware, threadlocker or lubrication can change the correct tightening setting. Confirm the correct setting for the fasteners being used.

These suggested values are a generic reference, not maximum limits or failure ratings.

AUSTRALIAN STANDARD REFERENCE

AS 4291.1:2000 — Mechanical properties of fasteners made of carbon steel and alloy steel, Part 1: Bolts, screws and studs.

This standard covers fastener mechanical properties; it is not the source of the torque figures.





Remove the Original Plastic Sidestep

Fitting Instructions – Rockarmor Rock Sliders for Prado 250

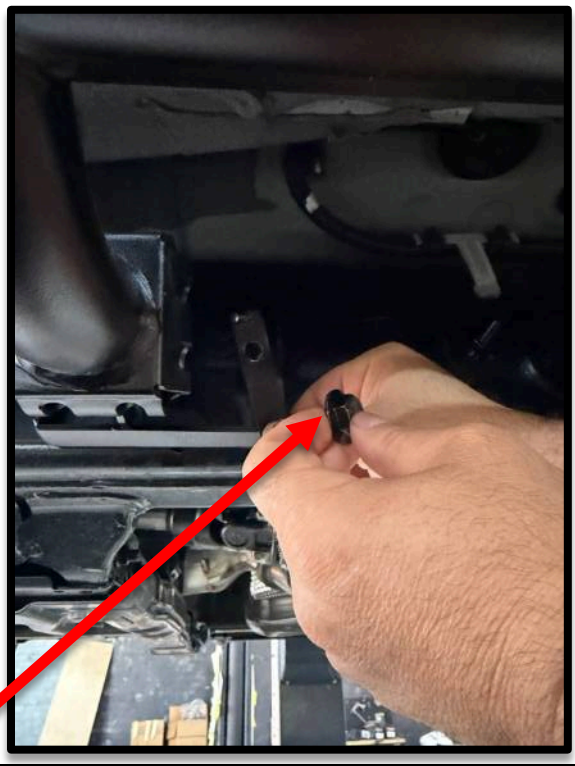
Preparation & Overview

- Park on level ground, secure the vehicle and use suitable support for the side step during installation.
- Lay out the front and rear T-bolts, centre and rear U-bolts, and their supplied M10 flanged fastening hardware. Check that the hardware matches each mounting point.
- Inspect the Rockarmor side steps:
- Checker plate top for grip.
- Rear folded lip to protect the sill from dirt and damage.
- Foam strip pre-fitted between the top plate and tubing to reduce vibrations.

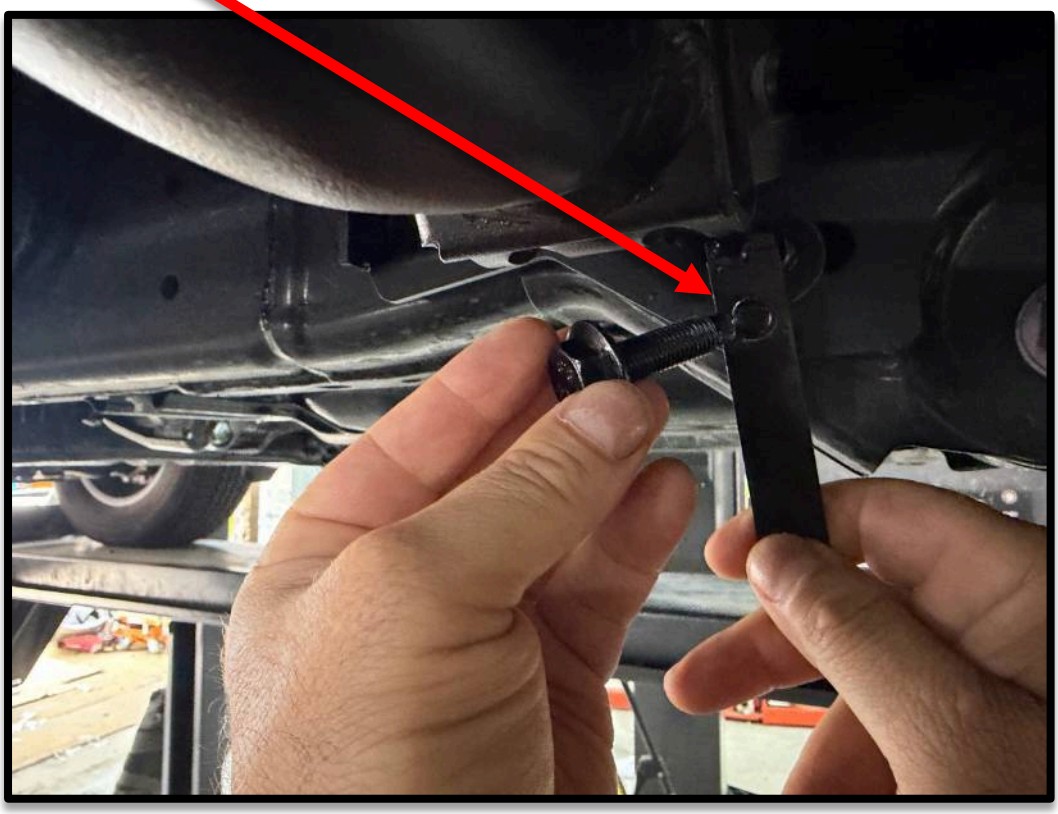


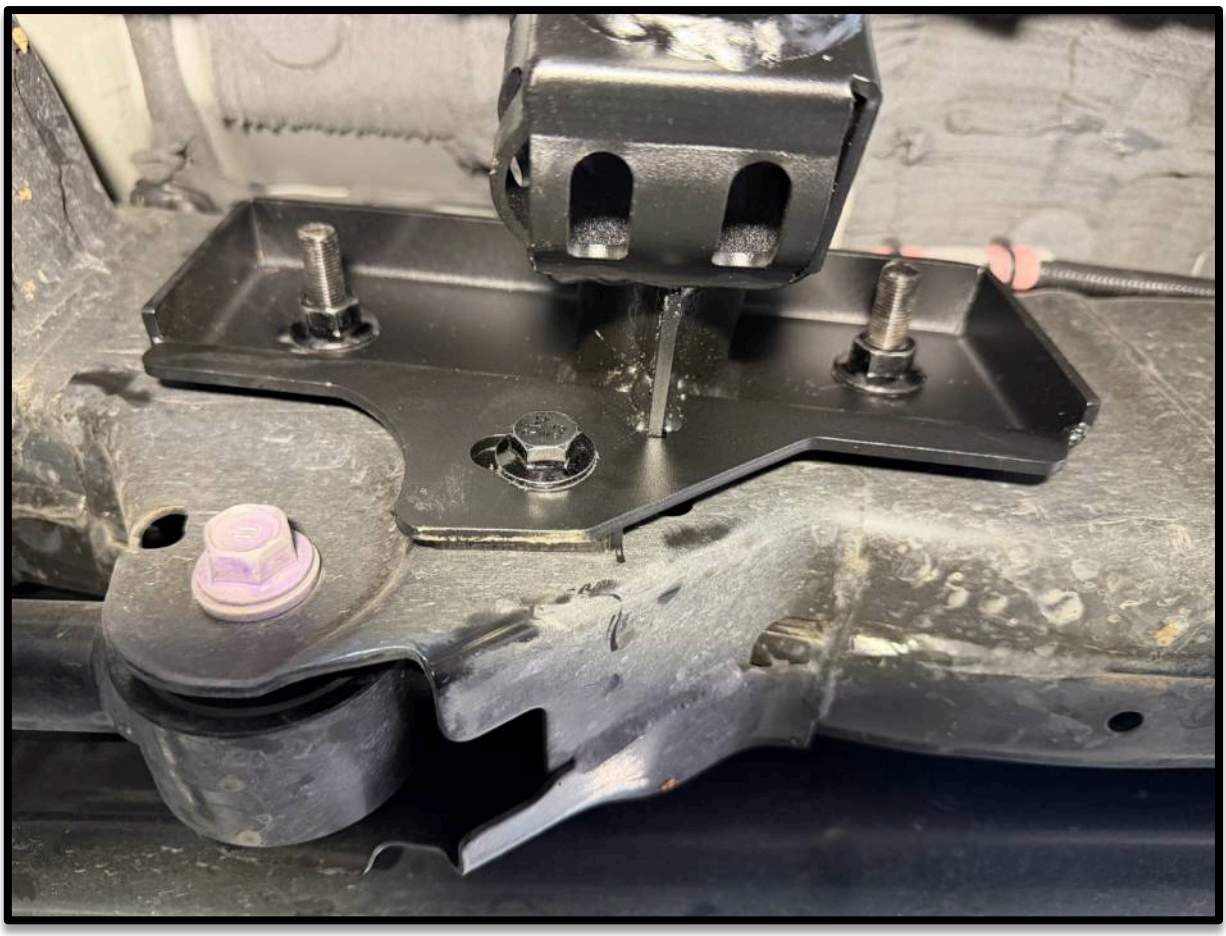
- **Prepare the rear lower mount.** Insert the rear lower T-bolt into its chassis opening before lifting the side step onto the vehicle. Keep it positioned so the lower rear leg can engage it.
- **Secure the rear upper mount.** Feed the rear upper U-bolt through the corresponding chassis mounting position and rear upper leg. Fit the supplied flanged M10 nuts by hand. Confirm the previously positioned T-bolt engages the rear lower leg.

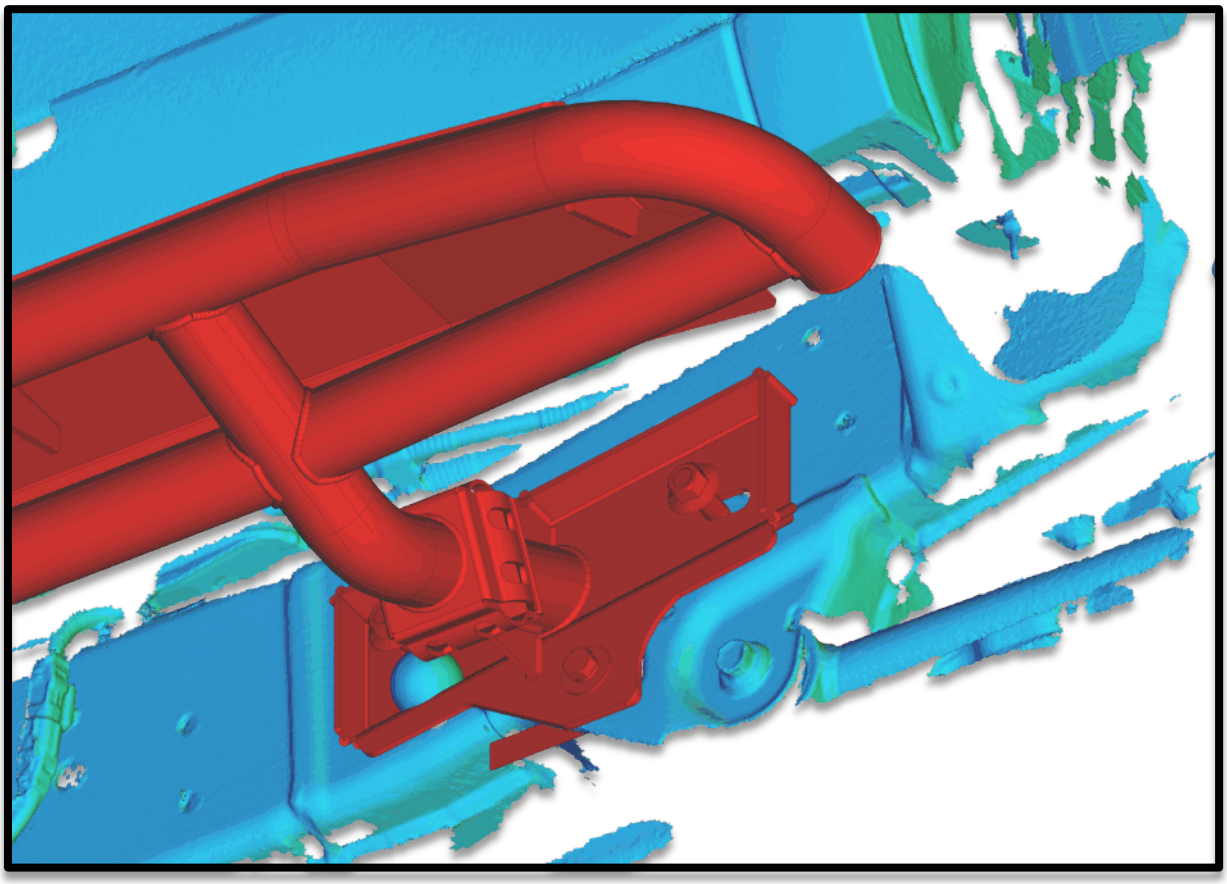


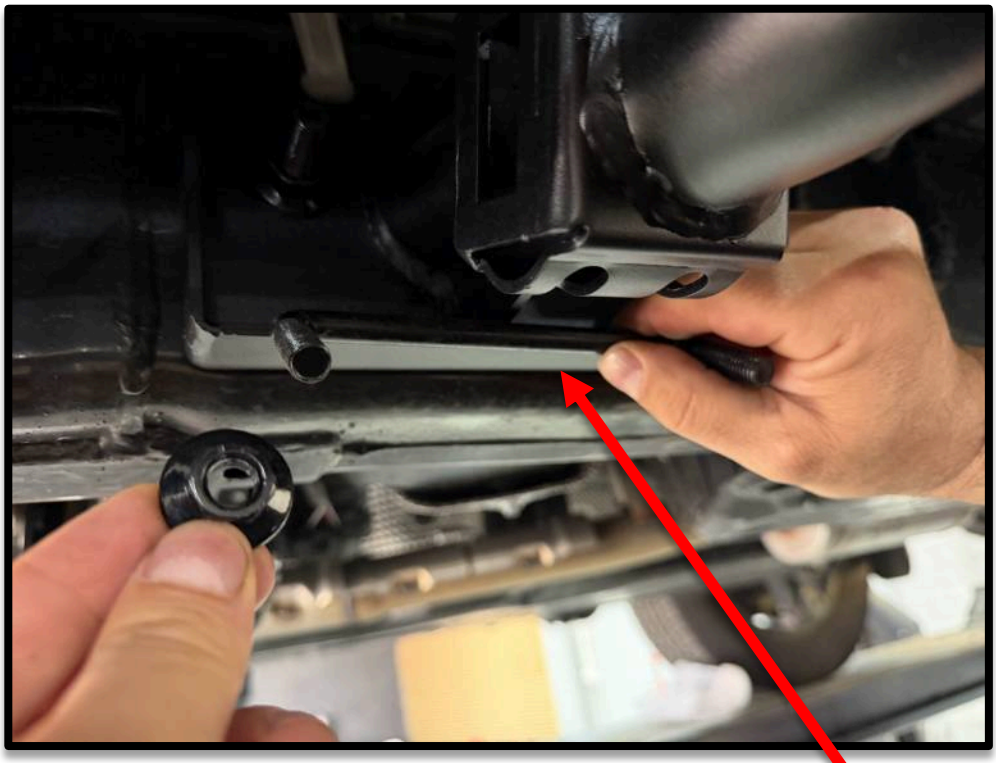


- **Prepare the rear lower mount.** Insert the rear lower T-nut into its chassis opening before lifting the side step onto the vehicle. Keep it positioned so the lower rear leg can engage it.
- Confirm the previously positioned T-bolt engages the rear lower leg.

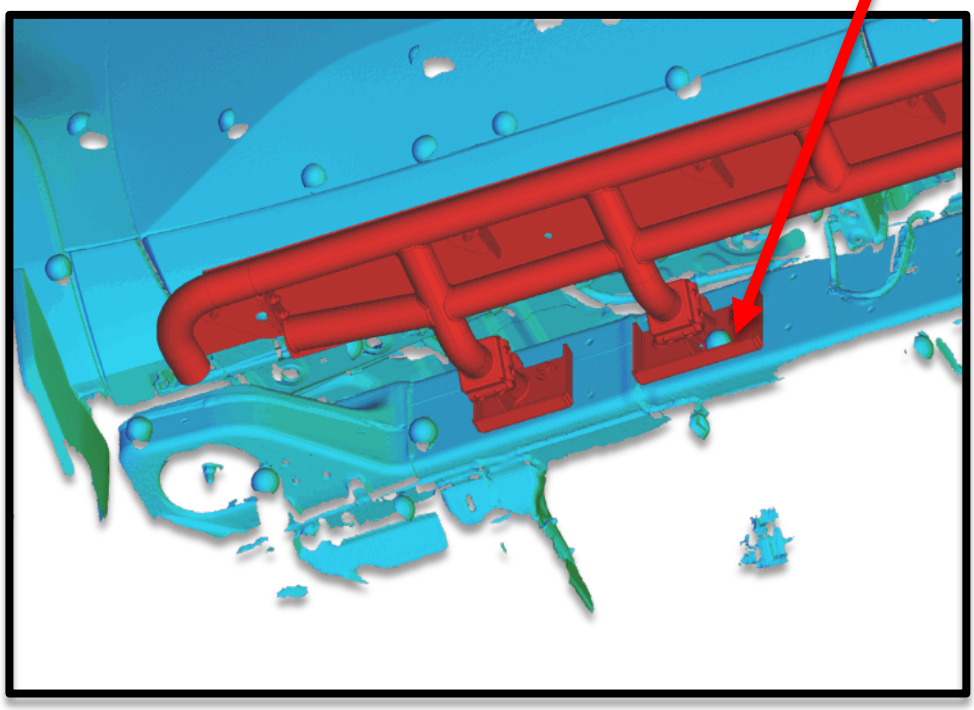


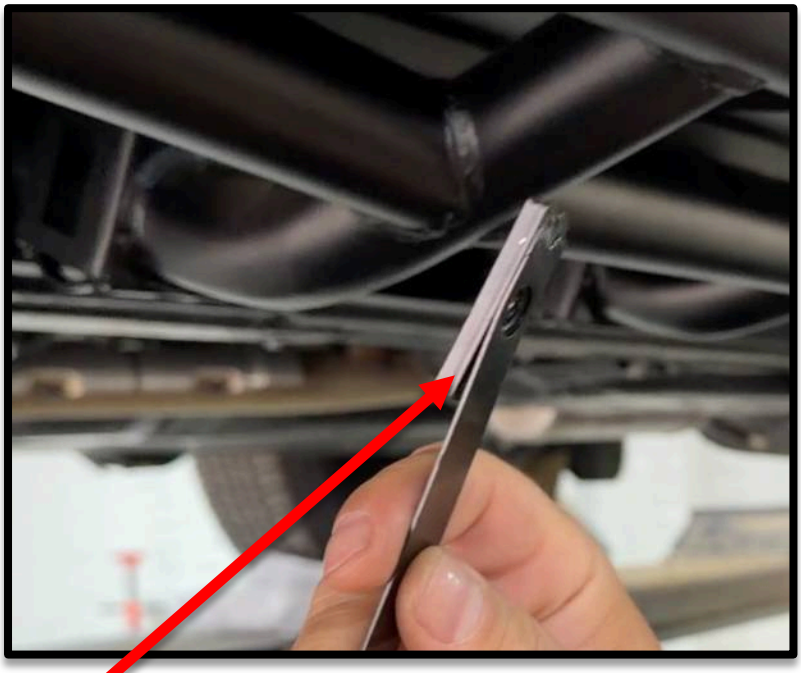




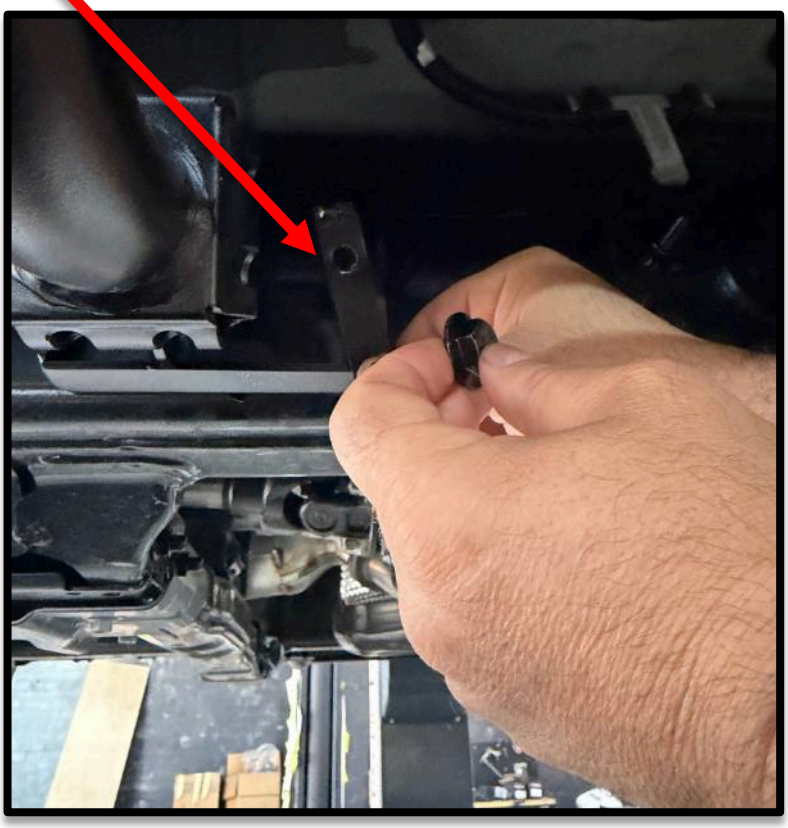


- **Secure the centre leg.** Feed the centre U-bolt through the centre mounting leg and around or through the corresponding chassis mounting position as the hardware allows. Fit the supplied flanged M10 nuts to both ends by hand.



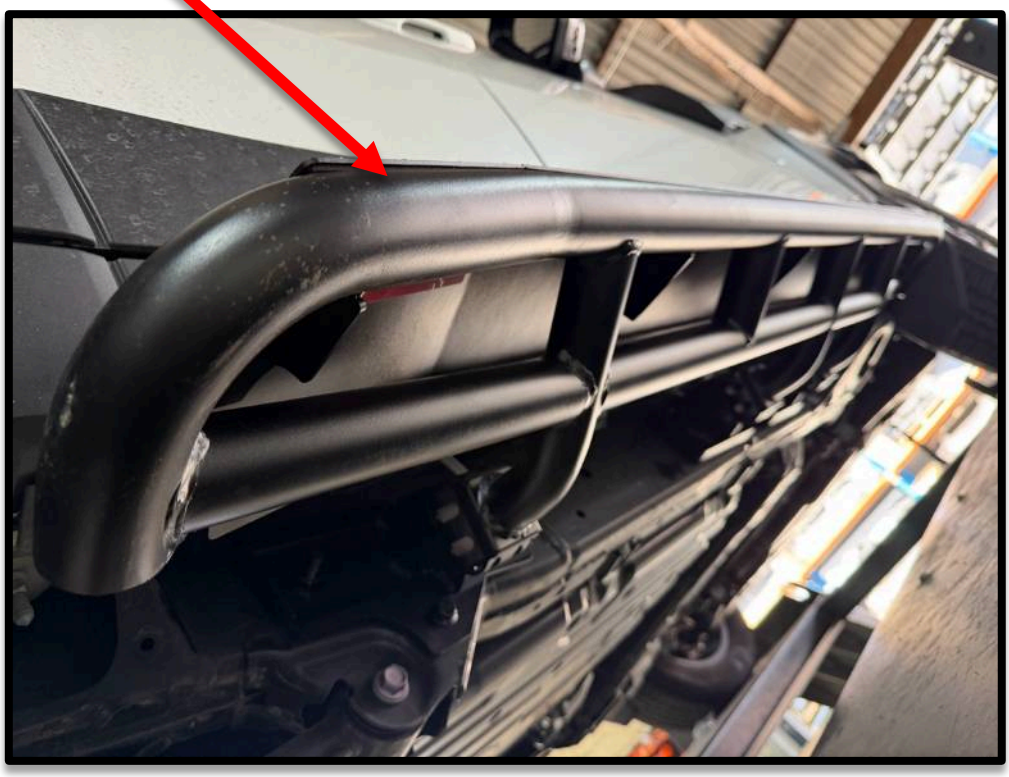


Prepare the front mount. Insert the front T-nut into the corresponding chassis opening. Position it so the front mounting leg can engage the threaded shank.





Align and tighten. Check step height, fore and aft position, body clearance and alignment. Tighten all front, centre and rear mounting points evenly to the approved torque for this kit. Repeat the procedure on the opposite side.





Final inspection. Check that every fastener is seated, both U-bolts bear correctly, the steps are secure and no wiring, fuel lines or other components are trapped or rubbing. Recheck clearance with doors open and closed.



Final Assembly and Testing

- Description: Tighten all bolts to the specified torque values. Inspect the installation for stability and ensure all components are securely fastened. Test fit the guard to confirm there are no vibrations or misalignments.
- Safety Note: Do not operate the vehicle without completing the final inspection.

Disclaimer

Rockarmor Pty Ltd takes no responsibility for any damages, injuries, or vehicle malfunctions resulting from improper installation or failure to follow the provided fitting instructions.

We strongly recommend that the installation of this product be carried out by a qualified and experienced fitter with the appropriate tools and knowledge to ensure safety and proper functionality.

Any modifications to the product or deviations from the instructed procedure will void all warranties and transfer full responsibility to the installer and/or vehicle owner.

By proceeding with the installation, the installer acknowledges and accepts all risks and liabilities associated with the fitting process.