

ROCKARMOR

Fitting Instructions

Description:	Toyota Landcruiser 78 Series Rock Sliders/Side Steps
Model:	Toyota Landcruiser 78 Series
SKU:	SSSRA-78TROOPY



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.

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.



Landcruiser 78 Series Side Steps

Safety + Setup

1. Park the vehicle on a flat surface.
2. Engage handbrake, put in Park/1st gear, and chock the wheels.
3. If using a jack, support the vehicle with approved jack stands (never work under a vehicle supported only by a jack).
4. Lay out all components (LHS step, RHS step, U-bolts, plates/washers/nuts, front bolts, any spacers).

Tools Required

- Socket set / spanners (to suit supplied hardware)
- Torque wrench
- Marker pen
- Measuring tape (optional)
- Pry bar or rubber mallet (for alignment if needed)

The following tools will be required to install the product.

Hand Tools	Power Tools	Workshop Supplies
Metric Socket Set 10-18MM.	Impact Drill & Bit Set	Loctite
Socket Extension Bar	Electric/Air Impact Driver (Optional)	Cable Ties
Metric Spanner Set 10-18MM.		Masking Tape
Torque Drivers T25-T30		Satin Black Automotive Paint
Trim Removal Tool		Grease and wax Remover.
Screwdriver Set (Flat and Phillips head)		Scotch Brite or Fine sandpaper.
Utility Knife		Thread locker (medium strength, optional but recommended)
Side Cutters		
Pliers		
<p>Standard locking torque M6 - 11Nm M8 - 18Nm M10 - 80 Nm M12 - 90 Nm M16 - 90 Nm</p>		



Dual Rail Design

Rockarmor's signature feature:

Provides:

- Side impact protection
- Rock protection
- Ledge protection
- Chassis reinforcement

Modular Front Section

Can be removed to allow installation of:

- Brush bars
- Side rails



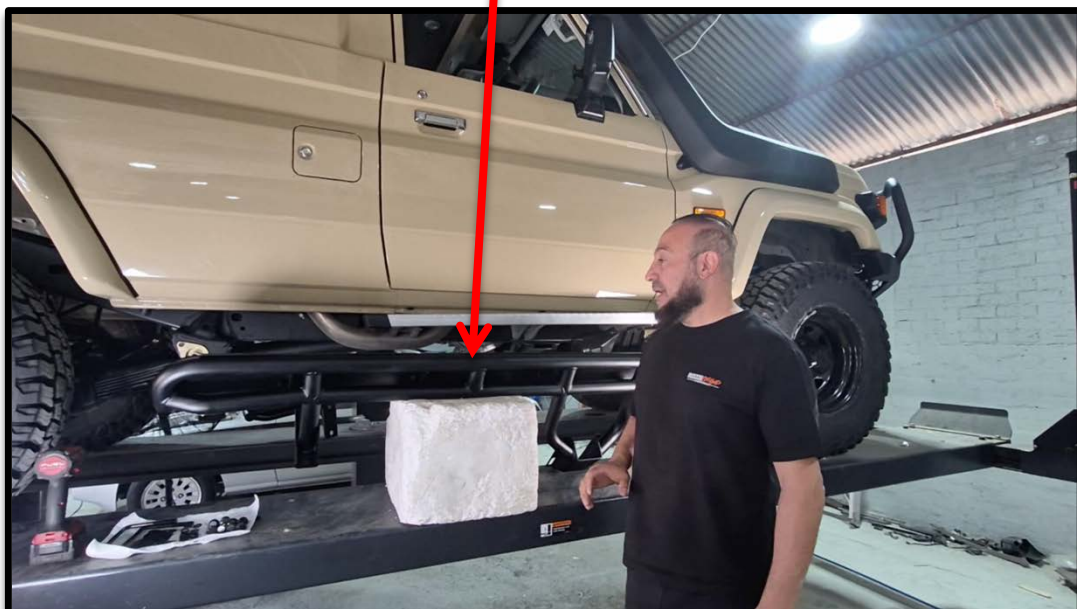
HARDWARE IDENTIFICATION

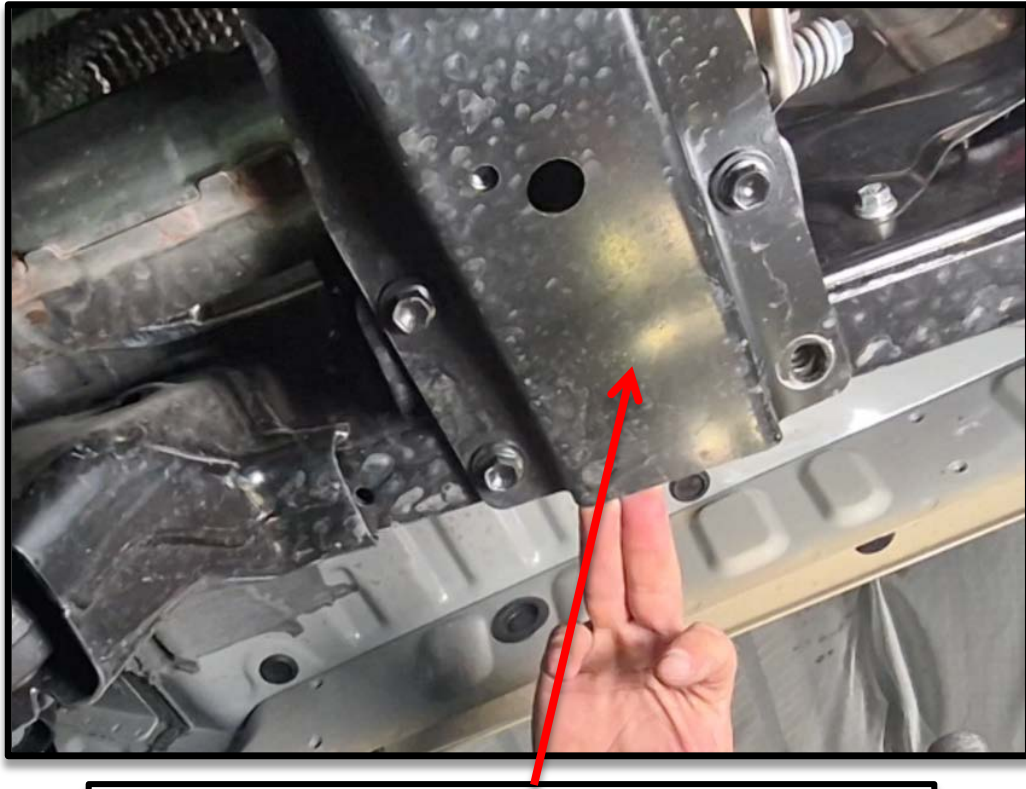


Front Mounting Hardware

Each side includes:

- 4 x M10 Fine Thread Bolts
- Flat washers
- Optional spacers
- The front mounting points connect directly to the factory cross member/body mount.
- 2 x M12 U-Bolt
- Flat washers
- Spring washers
- Nuts

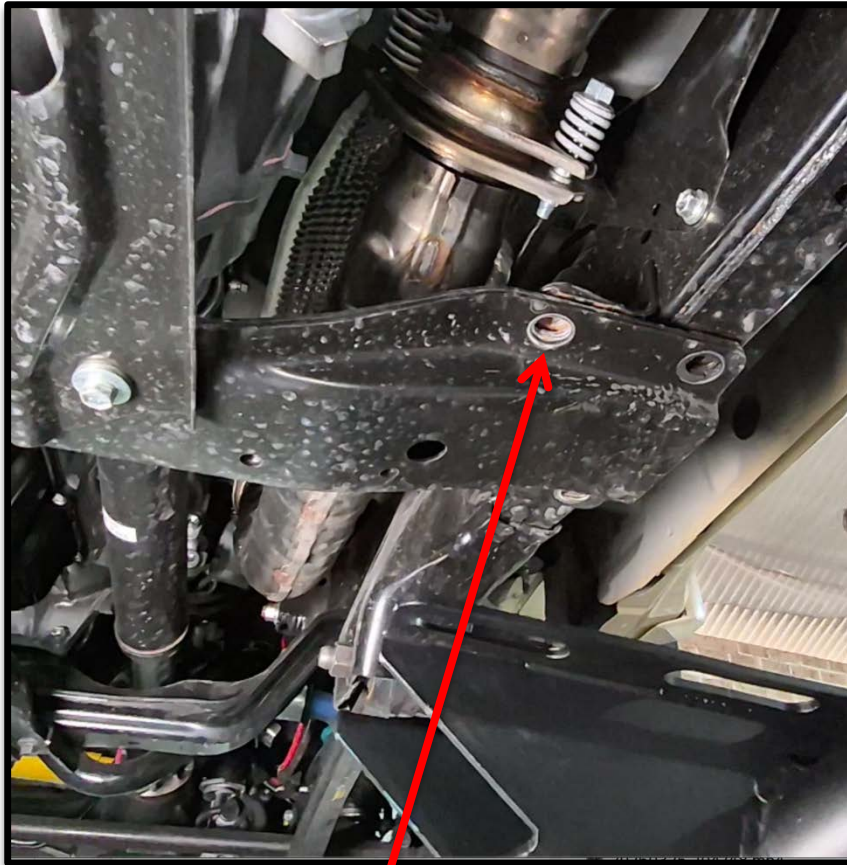




Identify Front Mounting Points

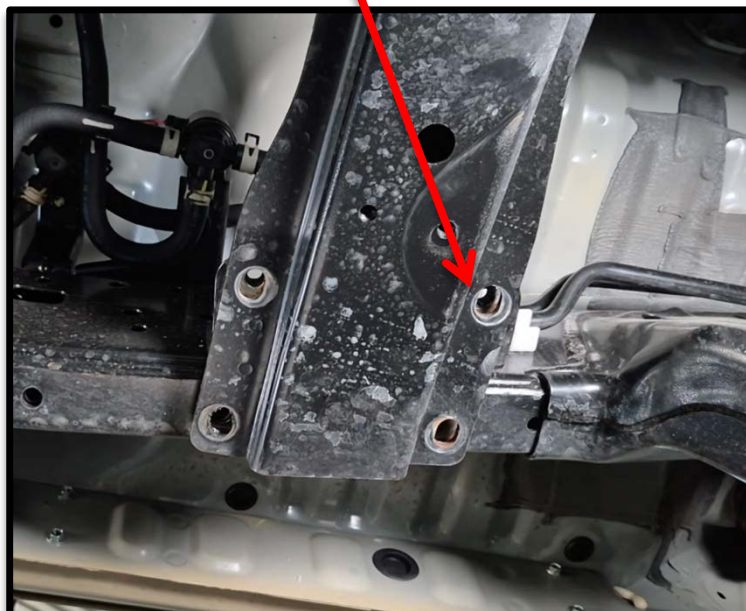
- Locate the front cross member.
- Locate the four factory mounting holes.
- Inspect threads for damage.
- Clean mounting points if required.
- Remove washers & Nuts

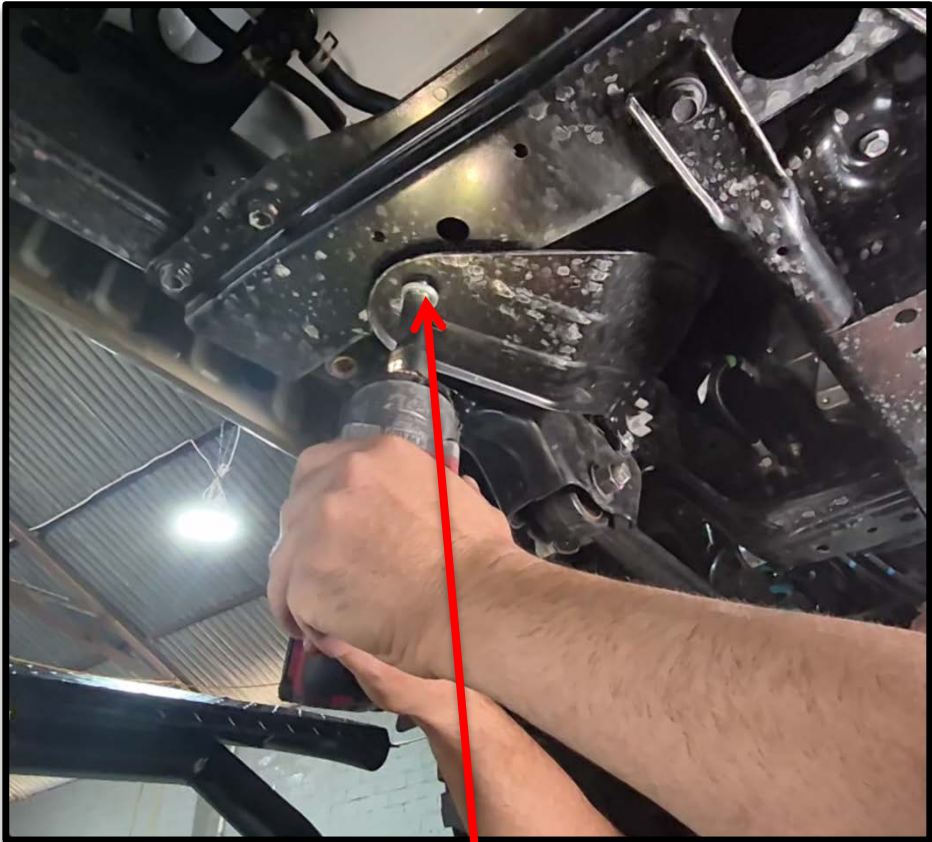




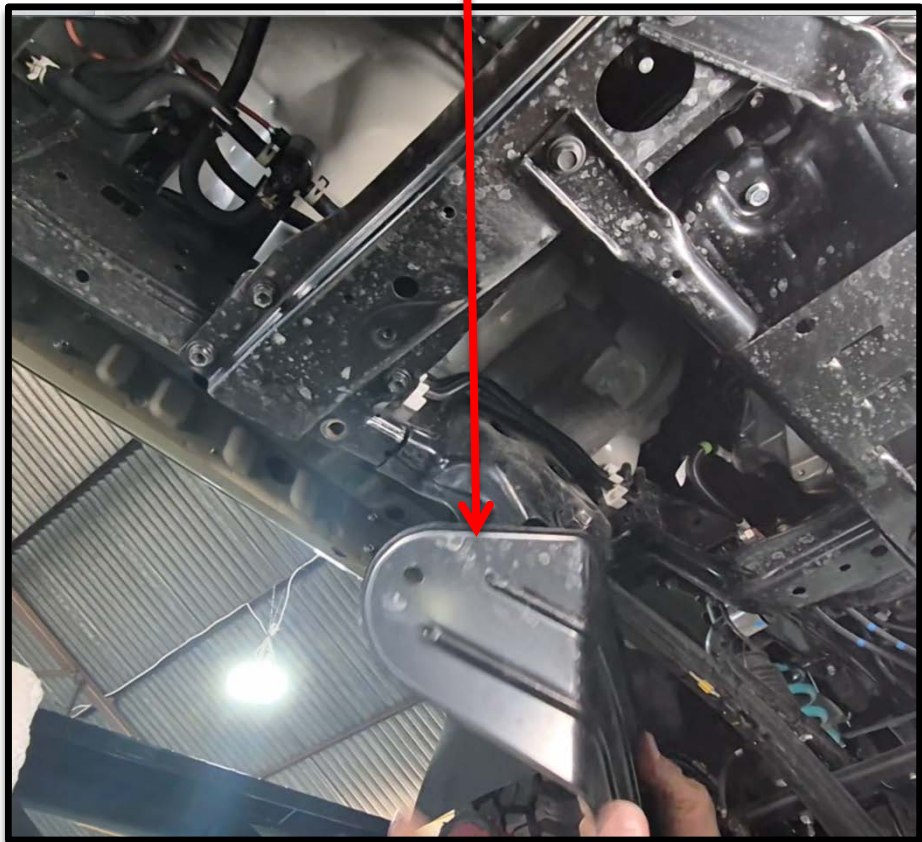
Install Front M10 Mounting Bolts

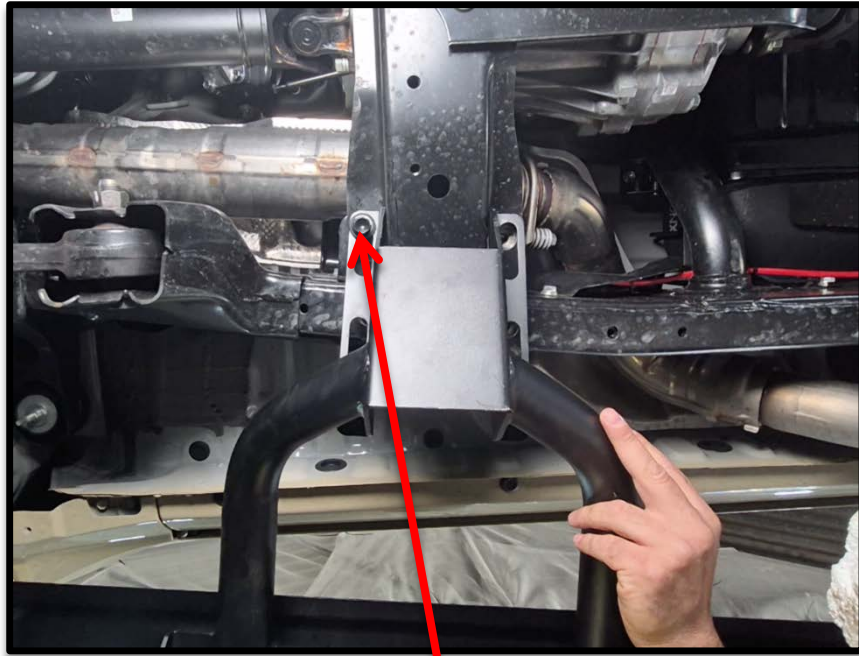
- Insert first M10 fine-thread bolt.
- Start bolt by hand.
- Do not tighten.
- Start all bolts by hand only.





Remove Cover Plate





Install Front M10 Mounting Bolts

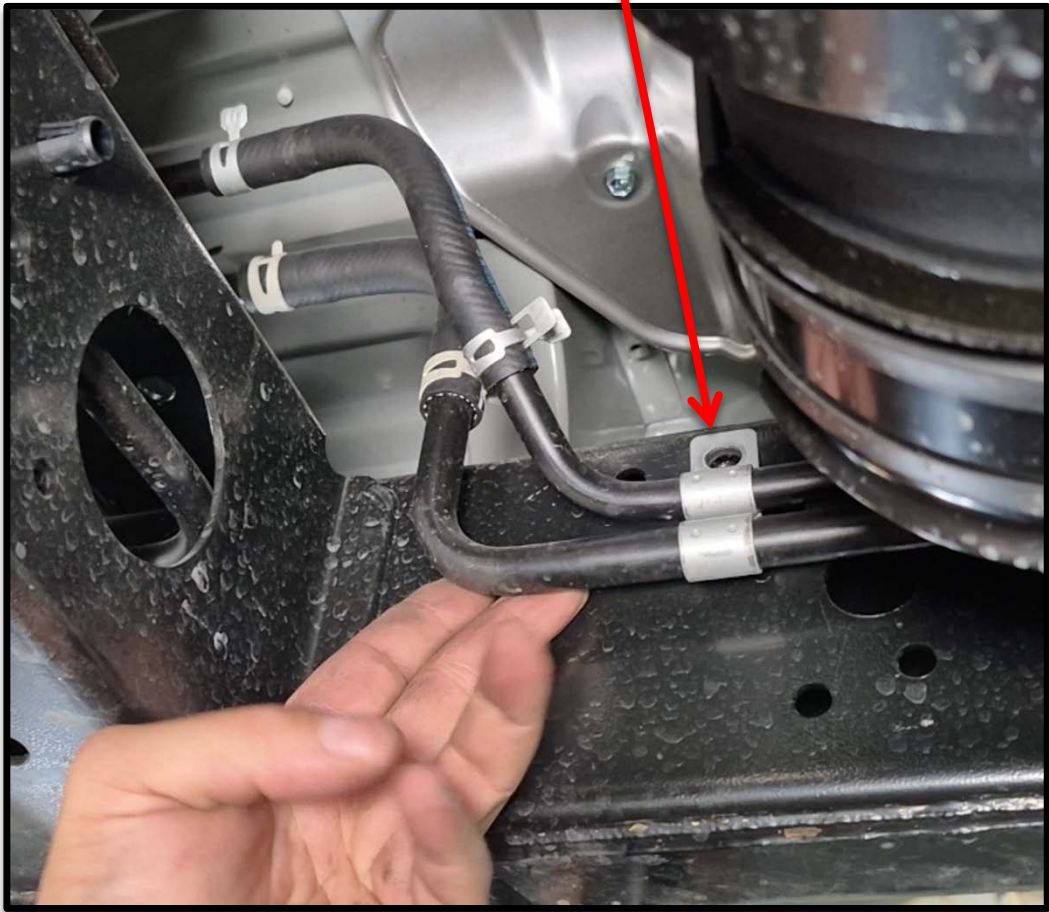
- Insert first M10 fine-thread bolt.
- Start bolt by hand.
- Do not tighten.
- Start all bolts by hand only.



REAR MOUNT INSTALLATION



Remove Bracket to make way for the U-Bolt





Position M12 U-Bolt

- Feed supplied U-bolt around chassis rail.
- Ensure U-bolt sits evenly.



Align Rear Bracket

- Guide U-bolt legs through bracket holes.
- Confirm bracket remains square to chassis.



Install Rear Hardware

Install in the following order:

- Flat washers
- Spring washers
- Nuts



ALIGNMENT PROCEDURE



Check Overall Position

- Stand back from vehicle.
- Inspect side profile.
- Confirm slider is parallel with body.

Check Front-to-Rear Level

- Inspect height at front.
- Inspect height at rear.
- Adjust as required.

Check Door Clearance

- Open front door.
- Open rear door.
- Confirm no contact with slider.



FINAL TIGHTENING



Apply Thread Locker

- Remove one fastener at a time.
- Apply medium-strength thread locker.
- Reinstall hardware.

Tighten Front Mounting Bolts First

- Tighten all four M10 bolts evenly.
- Recheck slider position during tightening.

Tighten Rear U-Bolt

- Alternate between nuts.
- Tighten evenly.
- Ensure clamp remains square.

Final Torque Check

Recommended Rockarmor torque values:

Fastener	Torque
M10	80 Nm
M12	90 Nm

PASSENGER SIDE INSTALLATION

Repeat Procedure on the opposite side

The Mian Difference on the Passenger side is the location of the hoses



FINAL INSPECTION

Check Hardware

Inspect:

- Front mounting bolts
- Rear U-bolt
- Washers
- Spring washers

Check Vehicle Clearance

Verify:

- Door operation
- Chassis clearance
- Body clearance
- Brake line clearance
- Fuel line clearance

Road Test Vehicle

- Perform short road test.
- Listen for vibration.
- Inspect for movement.

RE-TORQUE REQUIREMENTS

Recheck all fasteners:

- After 50–100km
- After first off-road trip
- After heavy corrugation use

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.

Rockarmor 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, using the appropriate tools and technical knowledge to ensure safety, performance, and correct fitment. Any modifications to the product or deviations from the instructed fitting procedures will void all warranties and transfer full responsibility to the installer and/or vehicle owner.

Additionally, it is highly advisable for the vehicle to undergo a suspension upgrade when installing a bullbar — particularly if additional accessories such as a winch or driving lights are fitted. Rockarmor will not be held responsible for any damage to the bullbar or vehicle resulting from inadequate suspension or failure to compensate for increased front-end weight.

Ongoing Fitment Checks & Maintenance:

We strongly recommend that all installed products — including bullbars, side steps, underbody protection, and rear bars — be inspected regularly for secure attachment. This is especially critical after driving on corrugated or rough terrain, or prior to undertaking extended trips.

Bolts and nuts may loosen over time due to ongoing vibrations, flex between the chassis and body, and general off-road stress. To help prevent this:

- Inspect all mounting bolts regularly, especially after rough travel conditions.
- Retorque bolts as needed according to the product-specific requirements.
- Consider using professional-grade thread-locking compound (e.g. Loctite™) on fasteners, in line with advice from a qualified technician.
- Seek professional mechanical advice if you are unsure about correct torque settings or ongoing maintenance practices.

By proceeding with the installation, the installer and/or vehicle owner acknowledges and accepts all risks and responsibilities associated with both the fitting process and long-term maintenance of the product.

General Best Practices:

- **Total Load Calculation:** Always calculate the full combined accessory weight (front and rear) before choosing suspension.
- **Different Setups = Different Ratings:** A bullbar-only setup requires different front springs than a bullbar + winch combination.
- **Get Expert Input:** Always consult a suspension or 4WD specialist for a tailored solution based on your setup and usage.
- **Inspect Regularly:** Post-installation, check the bullbar mounts, suspension components, and wheel alignment periodically.

Final Recommendations:

Aligning your suspension setup with your bullbar and accessory load ensures:

- A safer, smoother ride
- Reduced risk of long-term damage
- Better vehicle control and off-road performance