



INSTALLATION MANUAL

PRODUCT: ALUMINUM ENGINE SKID PLATE

APPLICATION: 5th GEN TOYOTA 4RUNNER (2010-2024)
TOYOTA LAND CRUISER 150 PRADO (2009-2017; 2017-)
LEXUS GX460 (2009-2019)

PART NO: 2333.9542.1.6



CAUTION!

To reduce the risk of serious injury or damage to property: Before you start installing and using this product, read the full instructions, pay special attention to the conditions of safe use and recommendations for installation! When installing or maintaining this product, it is necessary to use protective goggles. Check the integrity of the installed components and torque all hardware every 250 miles (400 kms). Discontinue use if there is any damage to the structure or fasteners!

NOTICE

Skid plates are supplemental protection. We cannot guarantee protection against all possible damage from impacts. When driving, be careful of objects and terrain that may damage sensitive parts of the vehicle.

ENGINE SKID PLATE



Part number: 2333.9542.1.6

Vehicle Compatibility: 5th GEN TOYOTA 4RUNNER (2010-2024), 4L
TOYOTA LAND CRUISER 150 PRADO (2009-2017),
2.8D; 3.0D; 2.7L; 4L
TOYOTA LAND CRUISER 150 PRADO (2017-),
2.8D; 2.7L; 4L
LEXUS GX 460 (2009-2019) , 4.6L

Material: Aluminum / Steel



SAFETY NOTICE

- * The RIVAL skid plate is designed to complement the use and design of the specified vehicle under conditions underlined by the vehicle manufacturer.
- * While driving the vehicle at any speed, collision with another vehicle, animal or object must always be avoided.
- * Following any collision with another vehicle, animal or object, the RIVAL skid plate and the vehicle must be inspected by a specialized or suitably qualified vehicle technician for possible damage to the components and assemblies in order to confirm suitability for further use of the vehicle.
- * It is strongly recommended that you do not operate a vehicle with a damaged skid plate or its components. In the case of damage, please contact the nearest RIVAL dealer. A damaged vehicle or skid plate is extremely dangerous and should be avoided at all cost.
- * If applicable, we recommend using a funnel when changing the oil to prevent spills and ensure a clean process.

INSTALLATION NOTICE

- * The RIVAL skid plate must be mounted to the vehicle according to this installation manual.
- * Personal safety during the installation process must be adhered to at all times.
- * Do not install this skid plate on vehicle models other than those listed in this manual.
- * We recommend using blue threadlocker on all hardware
- * Estimated time for installation: 1 hour.

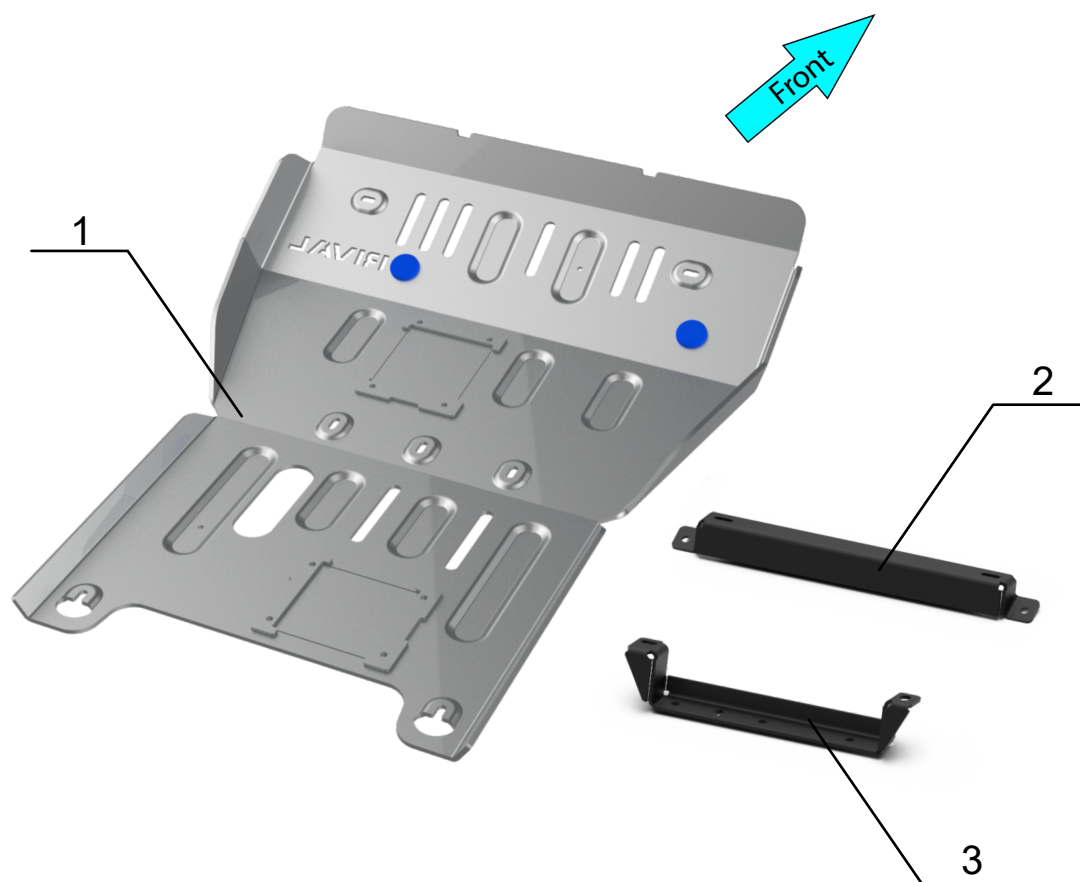
REQUIRED TOOLS

- * Ratchet * 13 mm
- * Torque Wrench

TORQUE SETTING

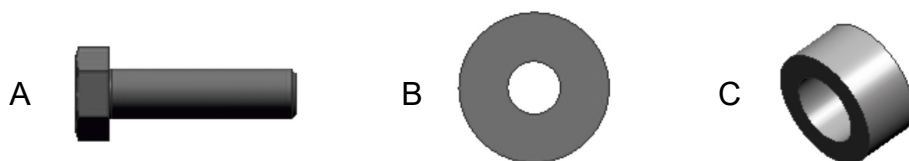
- * M8 - 24 N·m (17.7 lb/ft)

PARTS LISTING



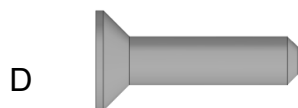
- 1. Engine skid plate.....Qty 1
- 2. Front mounting bracket.....Qty 1
- 3. Center mounting bracket.....Qty 1

PARTS LISTING



A. Bolt M8x1.25x30.....	Qty 11
B. Flat washer M8.....	Qty 11
C. Spaser.....	Qty 2

SPARE PARTS



D. Countersunk bolt M6x1x20.....	Qty 4
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INSTALLATION PROCEDURE



- *If equipped, remove factory or any aftermarket skid plates that might interfere with installation.
- *If equipped, factory hardware can be reused. If you do not have factory skid plate and hardware, the RIVAL kit includes everything necessary for installation.
- *Remove the front mounting bracket (item 2) and the center mounting bracket (item 3) from the skid plate (item 1), prior to installation.

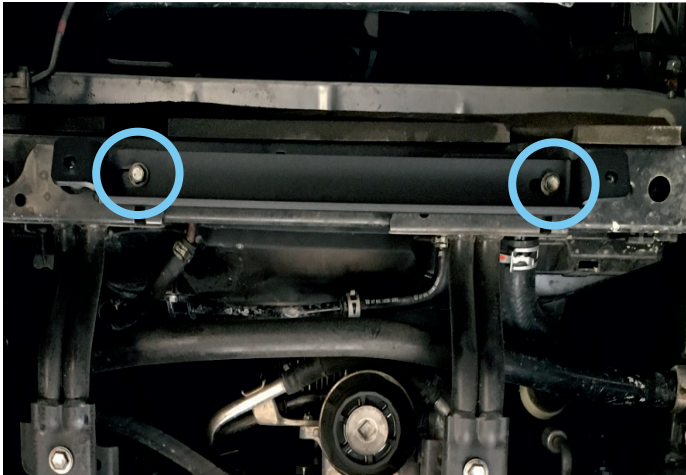


Fig.1

1. Install the front mounting bracket (item 2) to the vehicle using M8x30 bolts (item A), and M8 flat washers (item B) as shown in Fig.1.

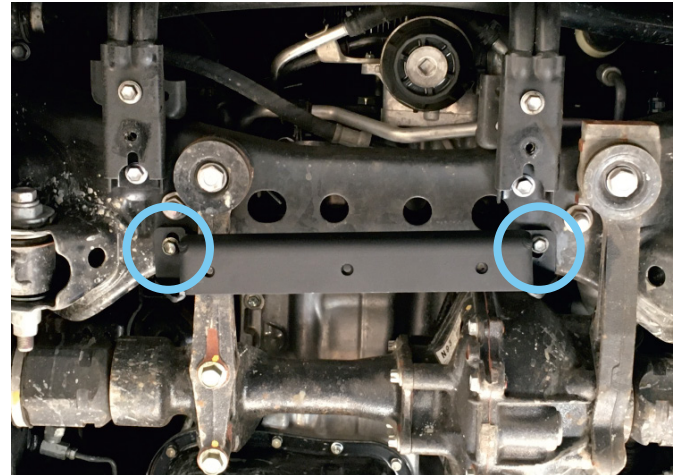


Fig.2

2. Install the center mounting bracket (item 3) using M8x30 bolts (item A), and M8 flat washers (item 8) as shown in fig.2.

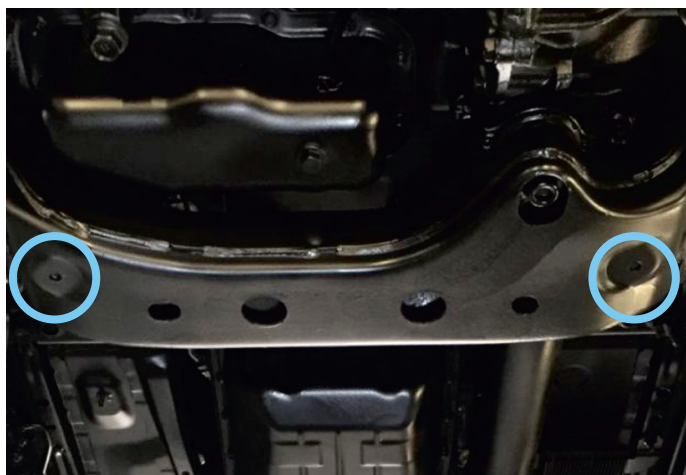


Fig.3

3. Loosely install M8x30 bolts (item A), M8 flat washers (item B), and spacers (item C) in rear mounting points circled in fig.3.

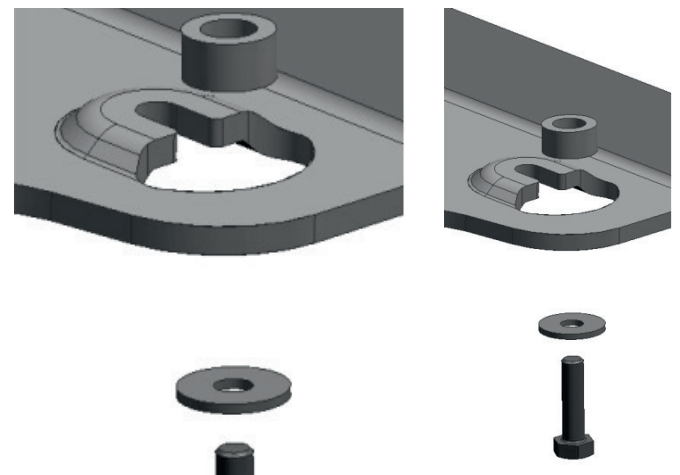


Fig.4

4. Slide the rear of the skid plate on to the fasteners as oriented in fig.4.

***Do not tighten yet**



Fig.5

5. Secure the front of the skid plate to the previously installed front mounting bracket (item 2) using M8x30 bolts (item A) and M8 flat washers (item B) as shown in fig.5.

***Do not tighten yet**

7. Torque all hardware.

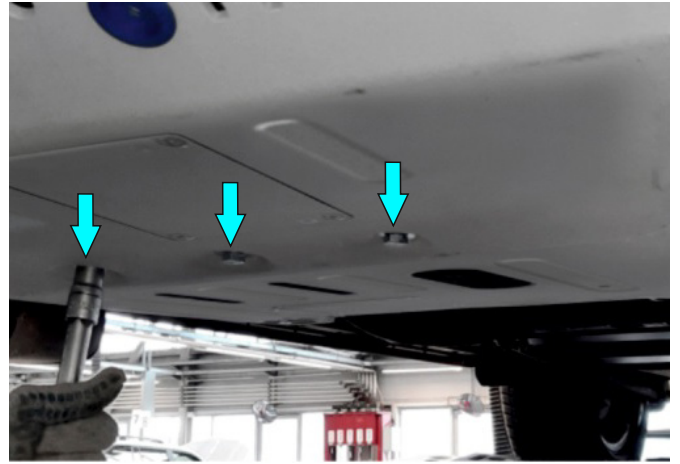


Fig.4

6. Secure center of skid plate to the previously installed center mounting bracket (item 3) using M8x30 bolts (item A) and M8 flat washers (item B) as shown in fig.6.

Before operating a vehicle fitted with RIVAL Skid Plates:

- Make sure all fittings are properly torqued.
- Ensure the integrity of the structure and its components.

