

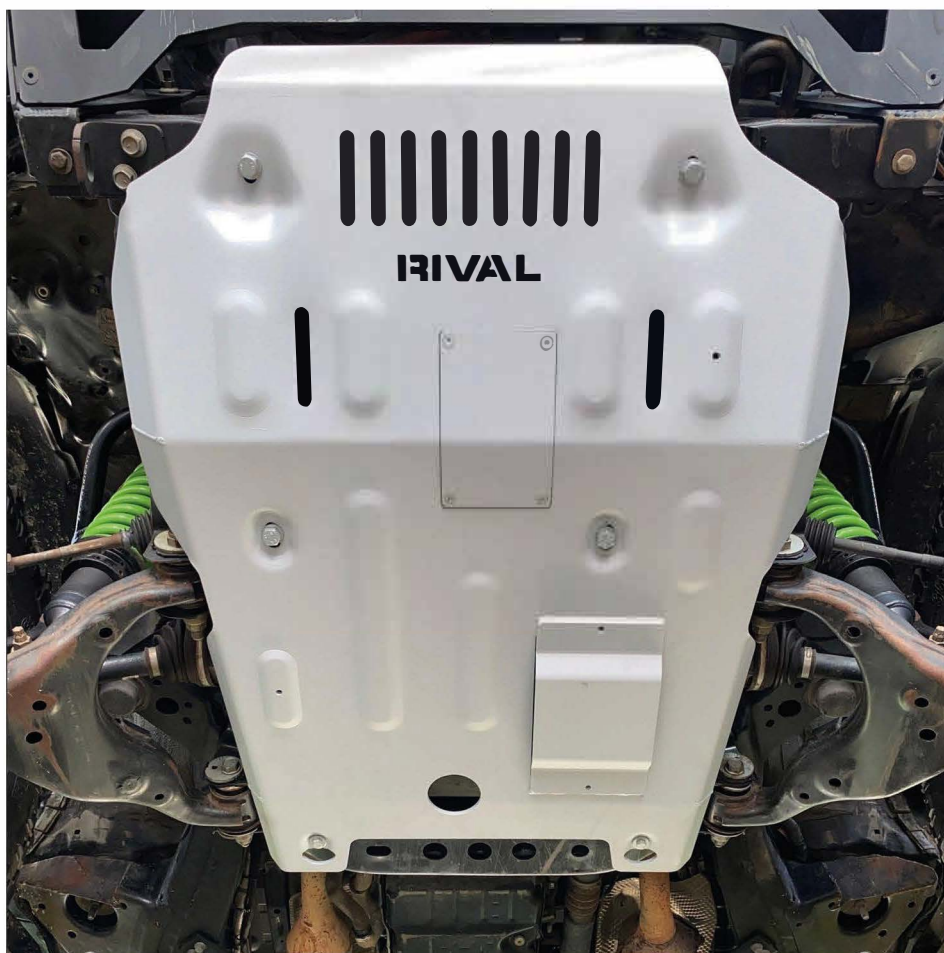
INSTALLATION MANUAL

Product: ENGINE SKID PLATE

Application: 2nd GEN TOYOTA TACOMA (11-15)
3rd GEN TOYOTA TACOMA (15-24)

Part No: 2333.9540.1.6

UP-TO-DATE
MANUAL



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!

Attention!

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:	2333.9540.1.6
Vehicle	2nd GEN TOYOTA TACOMA (11-15), 2.7L
Compatibility:	3rd GEN TOYOTA TACOMA (15-24), 3.5L
Material:	Aluminum/Steel
Compatible part #'s:	2333.9541.2.6 Transmission and transfer case Skid Plates 2333.9545.1.6 Gas Tank Skid Plate 2333.9546.1.6 Control Arm Skid Plates



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

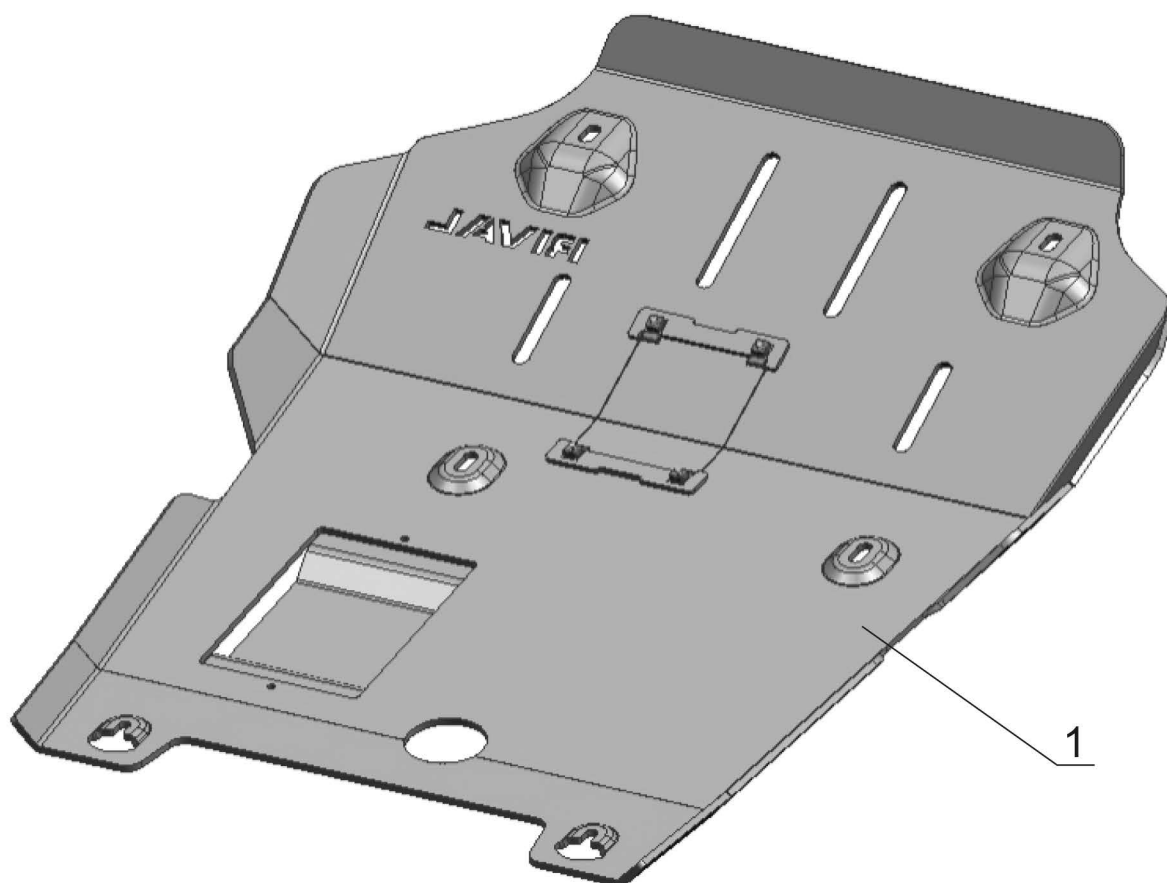
- * The RIVAL skid plate must be mounted to the vehicle according to this installation manual.
- * Personal safety during the installation process must be adhered to at all times.
- * Do not install this skid plate on vehicle models other than those listed in this manual.
- * We recommend using blue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

REQUIRED TOOLS

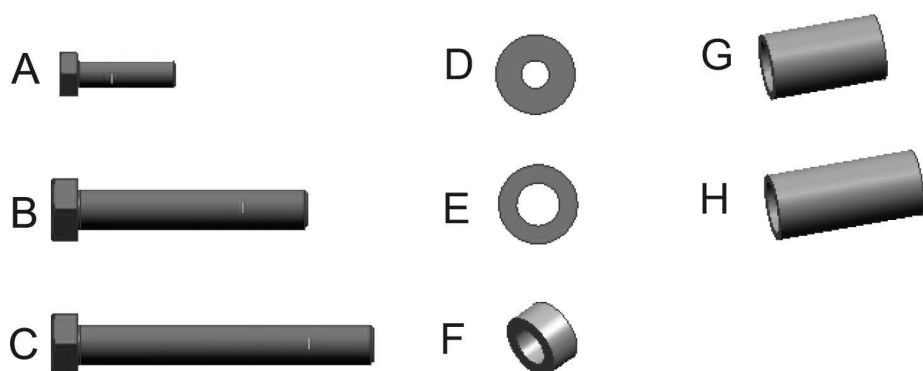
- * Ratchet;
- * Torque Wrench;
- * 13 mm socket;
- * 19 mm socket.

TORQUE SETTING

M8 - 24 N·m (17.7 lb/ft);
M12 - 78 N·m (57.5 lb/ft).

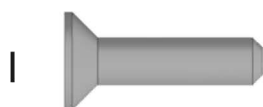


1. Engine skid plate..... 1 Qty.



A. Bolt M8x1.25x30.....	2 Qty.
B. Bolt M12x1.25x70.....	2 Qty.
C. Bolt M12x1.25x90.....	2 Qty.
D. Washer M8.....	2 Qty.
E. Washer M12	4 Qty.
F. Spacer 11 mm.....	2 Qty.
G. Spacer 35 mm.....	2 Qty.
H. Spacer 45 mm.....	2 Qty.

SPARE PARTS



I. Countersunk bolt M6x1x20.....Qty.4

***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 required for installation.**



Fig. 1

1. Loosely install M8x30 bolts (item A), with M8 flat washers (item D) and 11mm spacers (item F) in rear mounting points as shown in Fig.1.

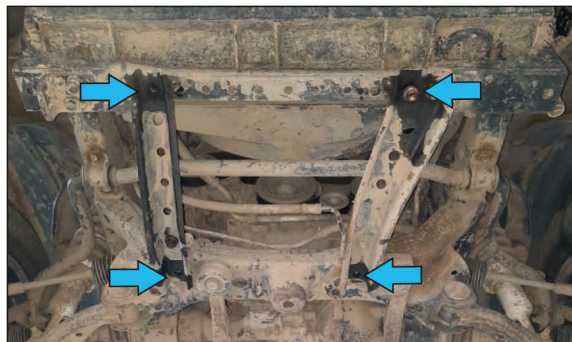


Fig. 2

2. Remove 4 bolts from the factory skids/crash bars as shown in Fig.2.



Fig. 3

3. Slide rear of the skid plate over previously installed hardware as shown in Fig.3.

***Do not tighten at this point.**



Fig. 4

4. Secure center holes in skid plate to the vehicle using M12x1.25 x 90 bolts (item C), with M12 washers (item E) and 45mm spacers (item H) as shown in Fig.4

***Do not tighten at this point.**



Fig. 5

5. Secure the front of the skid plate to the vehicle using M12x1.25 x 70 (item B), with M12 washers (item E) and 35mm spacers (item G) as shown in Fig.5.

***Torque all hardware.**

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.***

