INSTALLATION MANUAL

RIVAL
4x4 ACCESSORIES

ENGINE SKID PLATE

Material: aluminum / steel

Part number: 2333.9594.1.6; 2333.9594.1; 2111.9594.1.3

READ BEFORE INSTALLATION

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.

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.
- It's good practice to use a tap on all included hardware and bracketry to ensure ease of final assembly.

Required tools

Basic tool kit
Torque wrench

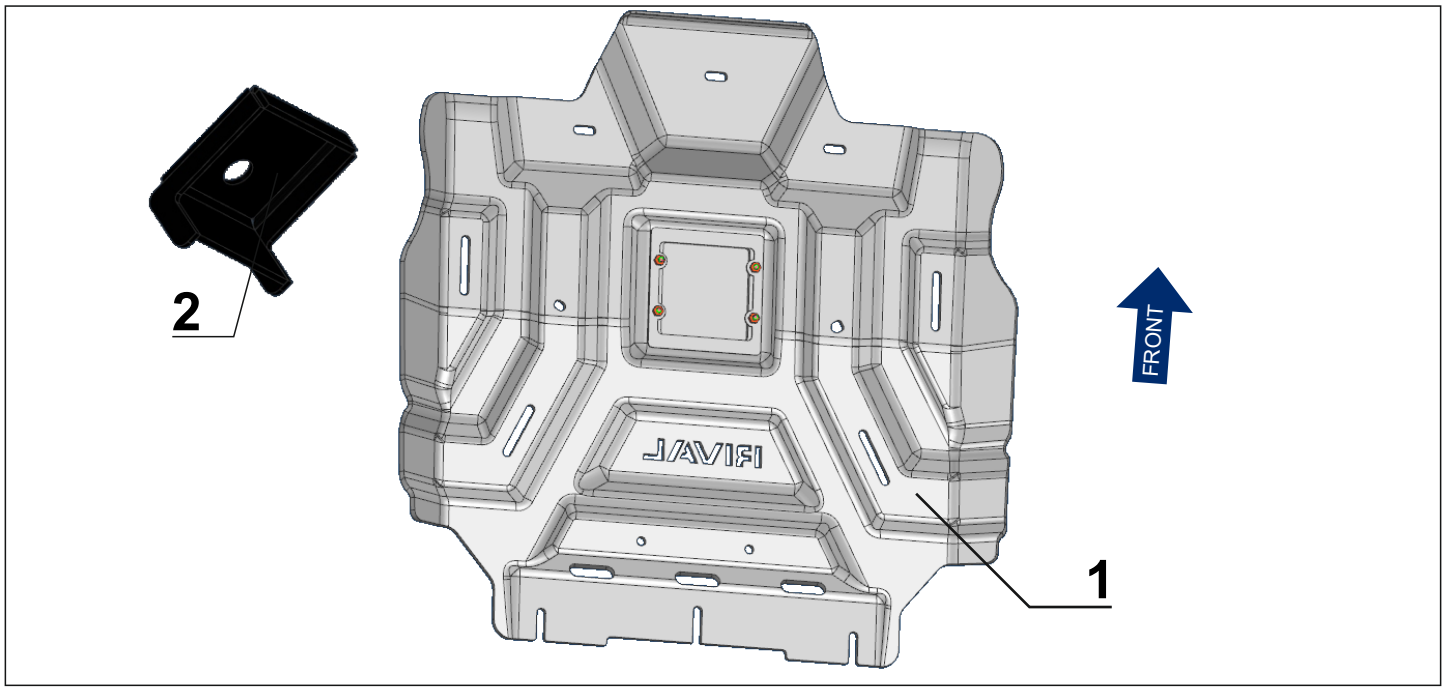
Torque setting

M8 - 24 Nm (17.7 lb/ft)
M10 - 47 Nm (34.7 lb/ft)

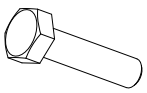
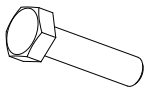
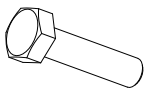
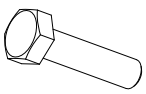
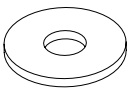
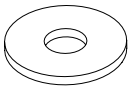
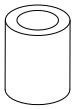
VEHICLE COMPATIBILITY

Toyota Hilux 2.8D 48V; AT; 4WD (2025-present)

PARTS LISTING



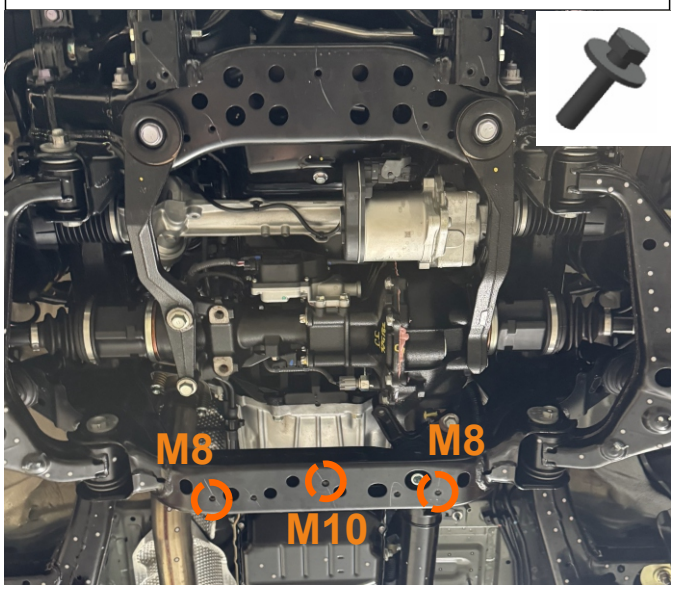
1	Skid plate
2	Bracket

A		Bolt M8x1.25x35	2
B		Bolt M8x1.25x70	2
C		Bolt M10x1.25x50	1
D		Bolt M10x1.25x35	1
E		Washers M8	4
F		Washers M10	2
G		Spacer (45mm)	2

INSTALLATION PROCEDURE

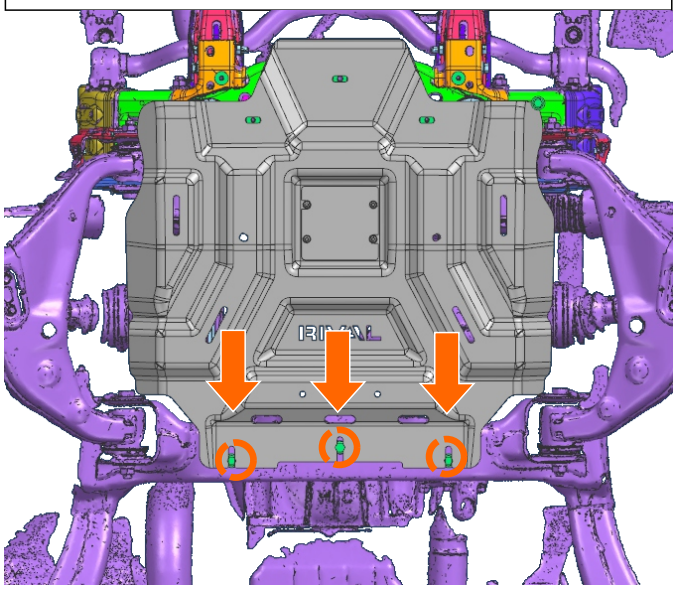
***If equipped, remove factory or any aftermarket skid plates that might interfere with installation.**

Fig. 1



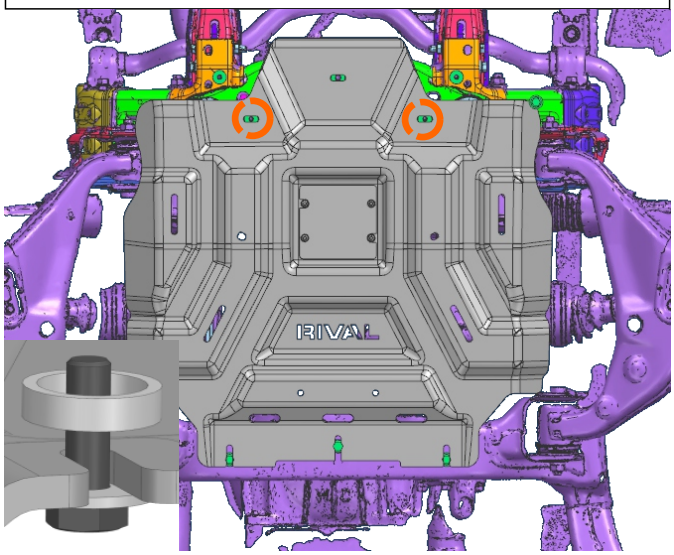
1. Loosely install a supplied M8x35 bolt with M8 washer (items A,E) and M10x1.25x35 bolt with M10 washer (items D,F) as shown in fig.1.
***Do not tighten yet.**

Fig. 2



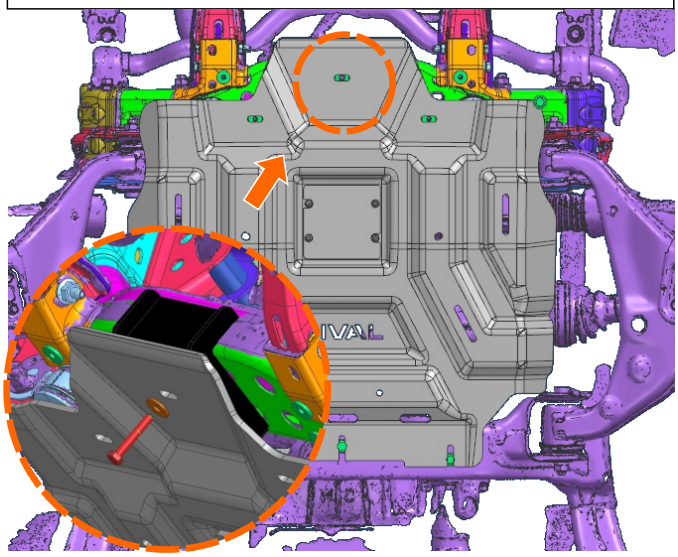
2. Slide skid plate (item 1) over previously installed M8 and M10 hardware and secure it using M8x35 bolts and M8 washers (items A,E) and M10x1.25x35 bolt with M10 washer (items D,F) as shown in fig. 2
***Do not tighten yet.**

Fig. 3



3. Secure skid plate (item 1) using M8x70 bolt, M8 washer ,and 45mm spacer (items B,E,G) as shown in fig.3.
***Do not tighten yet.**

Fig. 4



4. Slide bracket (item 2) under the skid plate. After that secure front part using M10x1.25x50 bolts and M10 washers (items C, F) as shown in fig.4.
***Once all bolts are inserted, check skid plate alignment and tighten all previously installed 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.**