

INSTALLATION MANUAL



UP-TO-DATE
MANUAL



PRODUCT: TRANSFER CASE SKID PLATE

APPLICATION: FORD RANGER (2022-Present)
FORD RANGER RAPTOR (2022-Present)
FORD EVEREST (2022-Present)
VOLKSWAGEN AMAROK (2023-Present)

PART NO: 2111.1887.3.3
2333.1887.3
2333.1887.3.6



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.

TRANSFER CASE SKID PLATE



Part number 2111.1887.3.3
2333.1887.3
2333.1887.3.6

Suited to vehicle: FORD RANGER* 2.3L, 2.7L, 2.0D Bi-Turbo, 3.0D (2022-Present)
FORD RANGER RAPTOR 3.0L (2022-Present)
VW AMAROK 2.0D, 3.0D (2023-Present)

Material: Steel / Aluminum

*Applicable to Double Cab



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.
- * We recommend using a funnel when changing the oil to prevent spills and ensure a clean process.

INSTALLATION NOTICE

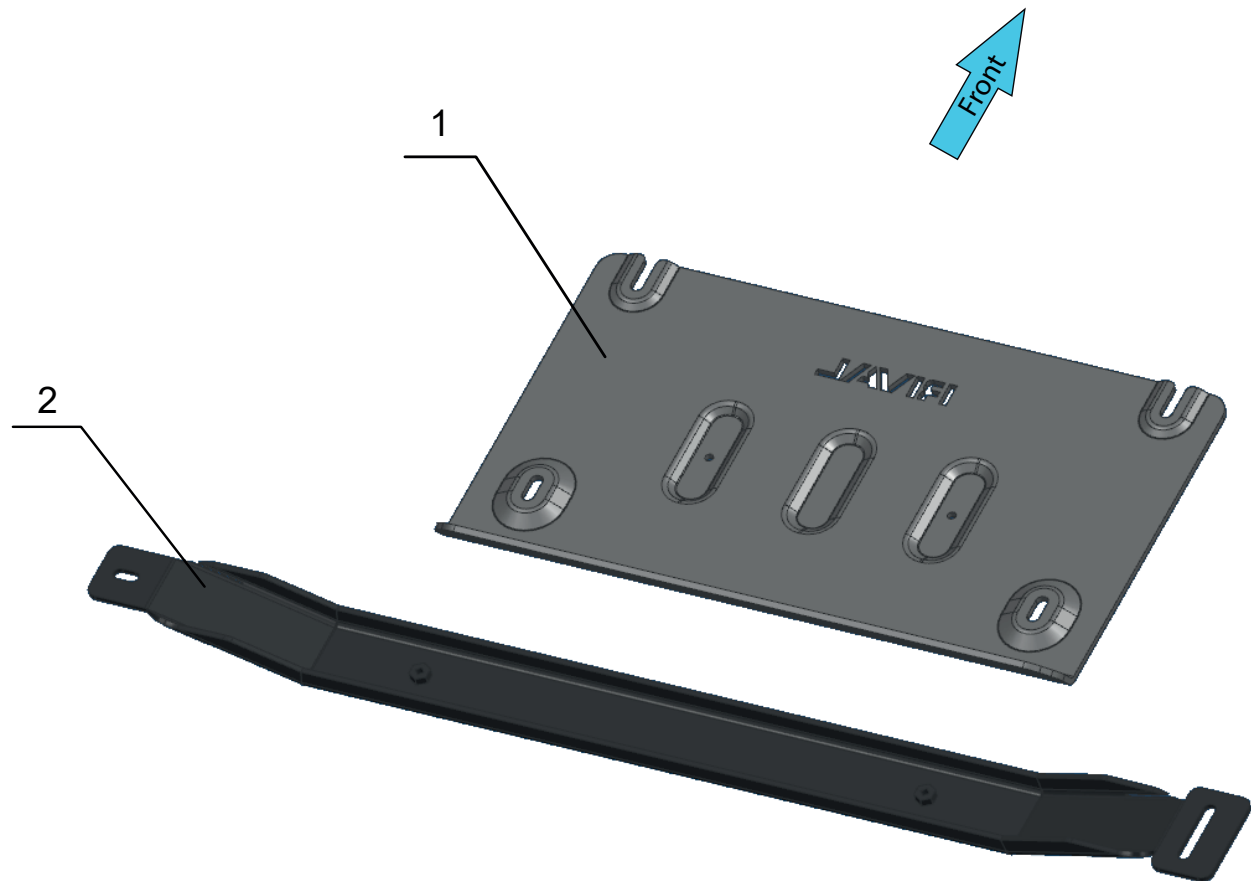
- * The RIVAL skid plate must be mounted to the vehicle according to this installation manual.
- * Personal safety during the installation process must be adhered to at all times.
- * Do not install this skid plate on vehicle models other than those listed in this manual.
- * Estimated time for installation: 1 hour.
- * It's good practice to use a tap on all included hardware and bracketry to ensure ease of final assembly.

REQUIRED TOOLS

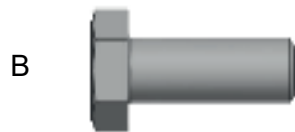
- * Basic tool kit
- * Torque wrench

TORQUE SETTING

- * M10 - 47 Nm (34.7 lb/ft)
- * M12 - 77 Nm (56.8 lb/ft)



- 1. Transfer case skid plate.....Qty 1
- 2. Crossmember.....Qty 1



A. Bolt M10x1.5x35 (2 pc. pre installed).....	Qty 8
B. Bolt M12x1.75x30.....	Qty 2
C. Washer M10 (2 pc. pre installed).....	Qty 8
D. Washer M12.....	Qty 2
E. Bracket.....	Qty 2
F. Insert nut M10x65.....	Qty 6

INSTALLATION PROCEDURE

RIVAL

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

***Before installation: Remove M10x35 bolts (item A) and M10 washers(item B), securing Transfer Case skid plate (item 1) and crossmember (item 2). Set aside for use in later steps.**

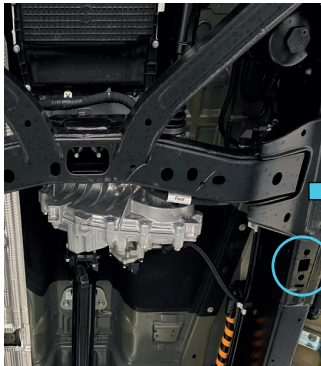


Fig. 1

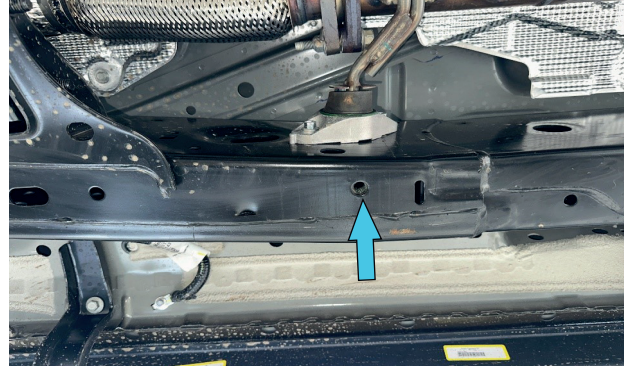


Fig. 2

1. Install M10 insert nuts (item F) on both sides of the frame as shown in fig.1. If there is a factory threaded hole on the passenger side (fig.2), it is only necessary to install an insert nut on the drivers side.

***If there are factory cage nuts in the positions listed above you can re-use those.**

For Ford Ranger V-2.3L

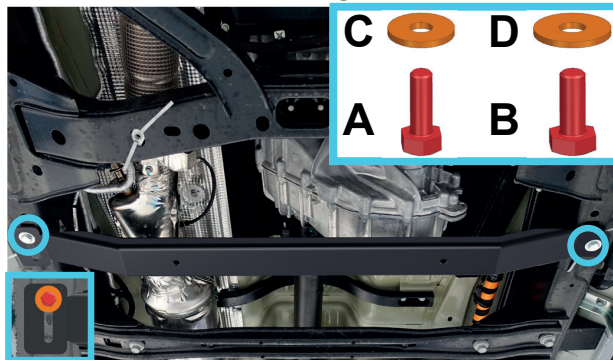


Fig. 3

For other models

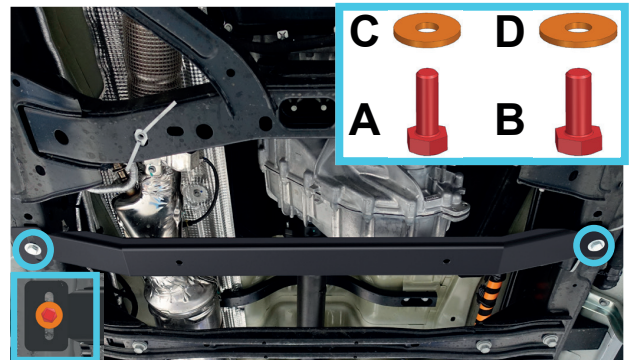


Fig. 4

2. Secure the supplied crossmember (item 2) to the previously installed M10 insert nuts(item F) using M10x35 bolts (item A) and M10 washers (item C) as shown in fig.3&4. If there is a factory threaded hole, use supplied M12x30 bolt(item B) and M12 washer(item D) on the passenger side.

***Do not tighten.**

For Ford Ranger, Everest / Volkswagen Amarok

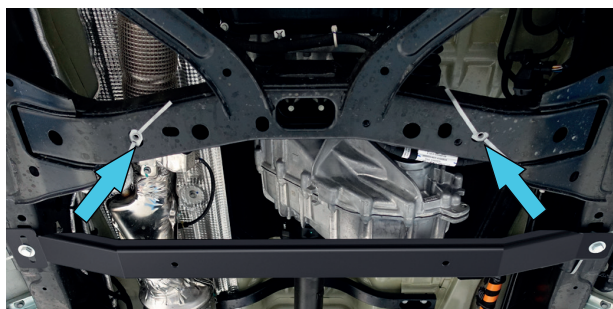


Fig. 5

For Ford Ranger Raptor

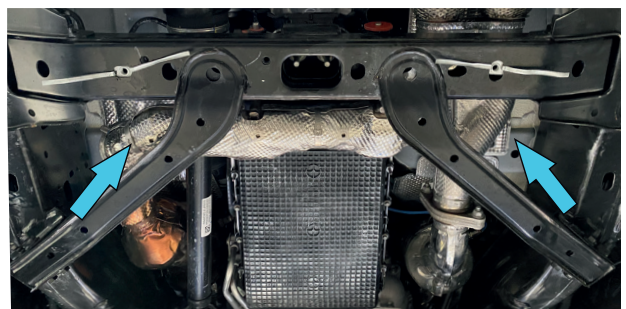


Fig. 6

3. Install M10 insert nuts(item F) as shown in fig.5,6. If RIVAL transmission skid plate is installed, loosen rear most bolts.

INSTALLATION PROCEDURE

RIVAL

For FORD RANGER, FORD EVEREST and VOLKSWAGEN AMAROK

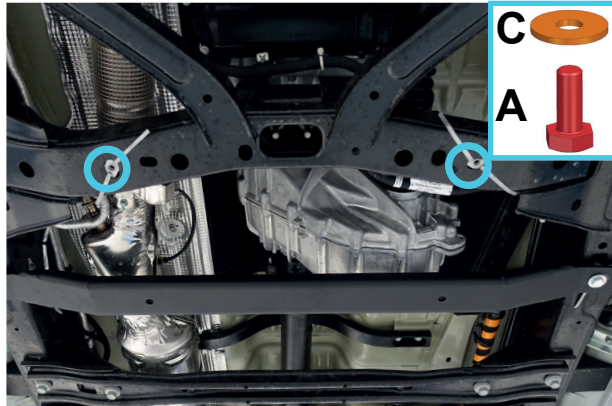


Fig. 7

4. Loosely install supplied M10x35 bolts (item A) and M10 washers (item C) as shown in fig.7.

***Do not tighten.**

****If you have a RIVAL transmission skid plate installed, skip step 4.**

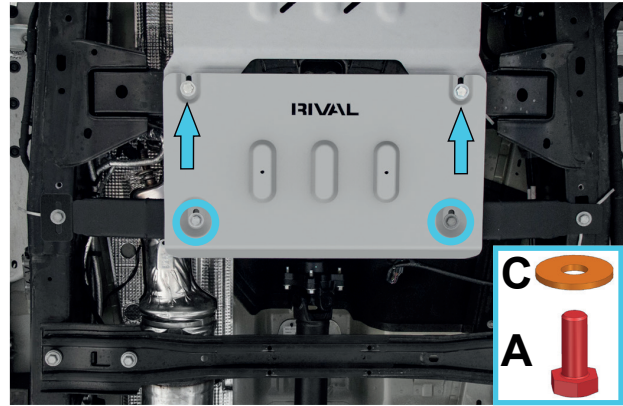


Fig. 8

5. Slide transfer case skid plate (item 1) over previously installed M10x30 bolts and M10 washers from step 4. Secure the rear of the skid plate to the previously installed crossmember (item2) using M10x30 bolts (item A) and M10 washers (item C) as shown in fig.8. If you have the Rival transmission skid plate slide transfer case skid over previously loosened bolts and under transfer case skid as pictured in fig.8.

***Tighten all hardware.**

For FORD RANGER RAPTOR

****If you have a RIVAL transmission skid plate installed, skip step 6 & 7.**

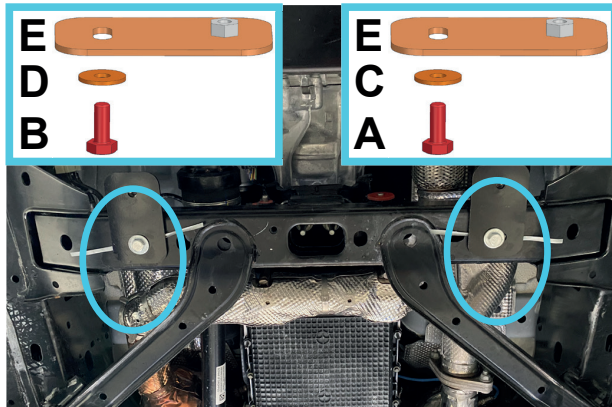


Fig. 9

6. Secure brackets (item E) to the previously installed insert nuts M10 (item F) from step 3 using M10x35 bolts (item A) and M10 washers (item C) as shown in fig.9. If there is a factory threaded hole on the passenger side use M12x30 bolt (item B) with washer M12 (item D). Ensure welded nuts on the brackets are facing up.

***Do not tighten.**

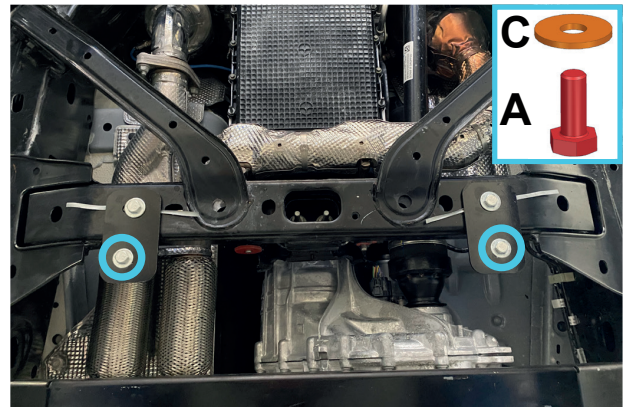


Fig. 10

7. Loosely install supplied M10x35 bolts (item A) and M10 washers (item C) to brackets (item E) as shown in fig.10.

***Do not tighten.**

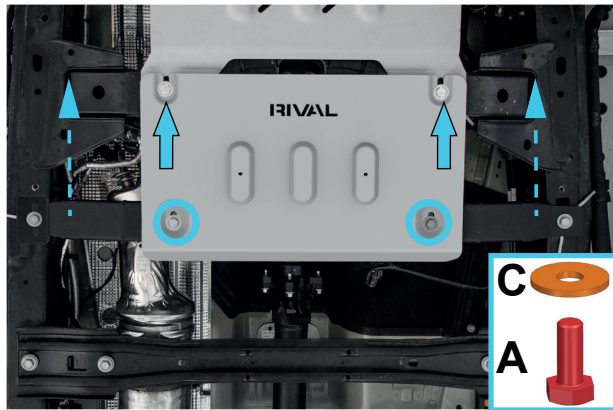


Fig. 11

8. Slide transfer case skid plate (item 1) over the previously installed M10x35 bolts and M10 washers installed in step 7. Slide the transfer case skid plate as far forward as possible and secure the rear of the skid plate to the previously installed crossmember using M10x35 bolts (item A) and M10 washers (item C) as shown in fig.11.

***Tighten all hardware.**

Before operating a vehicle fitted with RIVAL Skid Plate:

- Make sure all hardware is torqued.
- Ensure the integrity of the structure and all its components.

