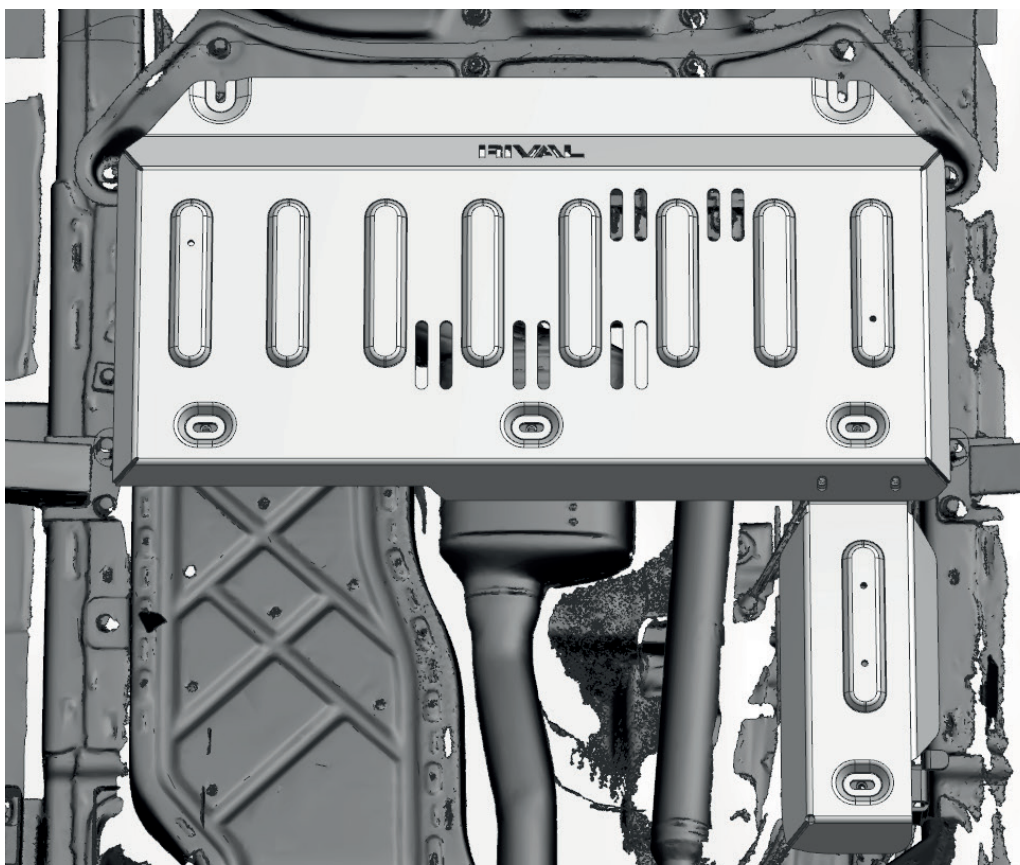


# INSTALLATION MANUAL

PRODUCT: ALUMINUM TRANSFER CASE SKID PLATE

APPLICATION: INEOS GRENADIER (2023-)

PART NO: 2333.4502.1.6



## 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 structure and the moment the fastening is tightened every 250 miles (400 kms) of mileage. Do not use this product if there is damage to the structure or fasteners!

## NOTICE

Skid plate is an additional protection, but it can not guarantee to protect against all possible damage in collisions. When driving, be careful of objects and terrain that may damage sensitive parts of the vehicle.

# TRANSFER CASE SKID PLATE

Part number 2333.4502.1.6

Suited to vehicle: INEOS GRENADIER (2023-), 3.0, 3.0D

Material: Aluminum, steel



## SAFETY NOTICE

- \* The RIVAL transfer case skid plate is designed to complement the use and design of the specified vehicle under conditions specified by the vehicle manufacturer.
- \* While driving the vehicle at any speed, collision with any other vehicle, animal or object must always be avoided.
- \* Following any collision with any other vehicle, animal or object, the RIVAL transfer case skid plate and the vehicle must be inspected by a specialized or suitably qualified vehicle repairer 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 transfer case skid plate or its components. In the case of damage, please contact the nearest RIVAL dealer. Vehicle, or where the skid plate has been damaged, is extremely dangerous and must be avoided at all cost.

## INSTALLATION NOTICE

- \* The RIVAL transfer case skid plate must be mounted and affixed 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 allowed in this manual.
- \* Estimated time for installation: 1 hour.

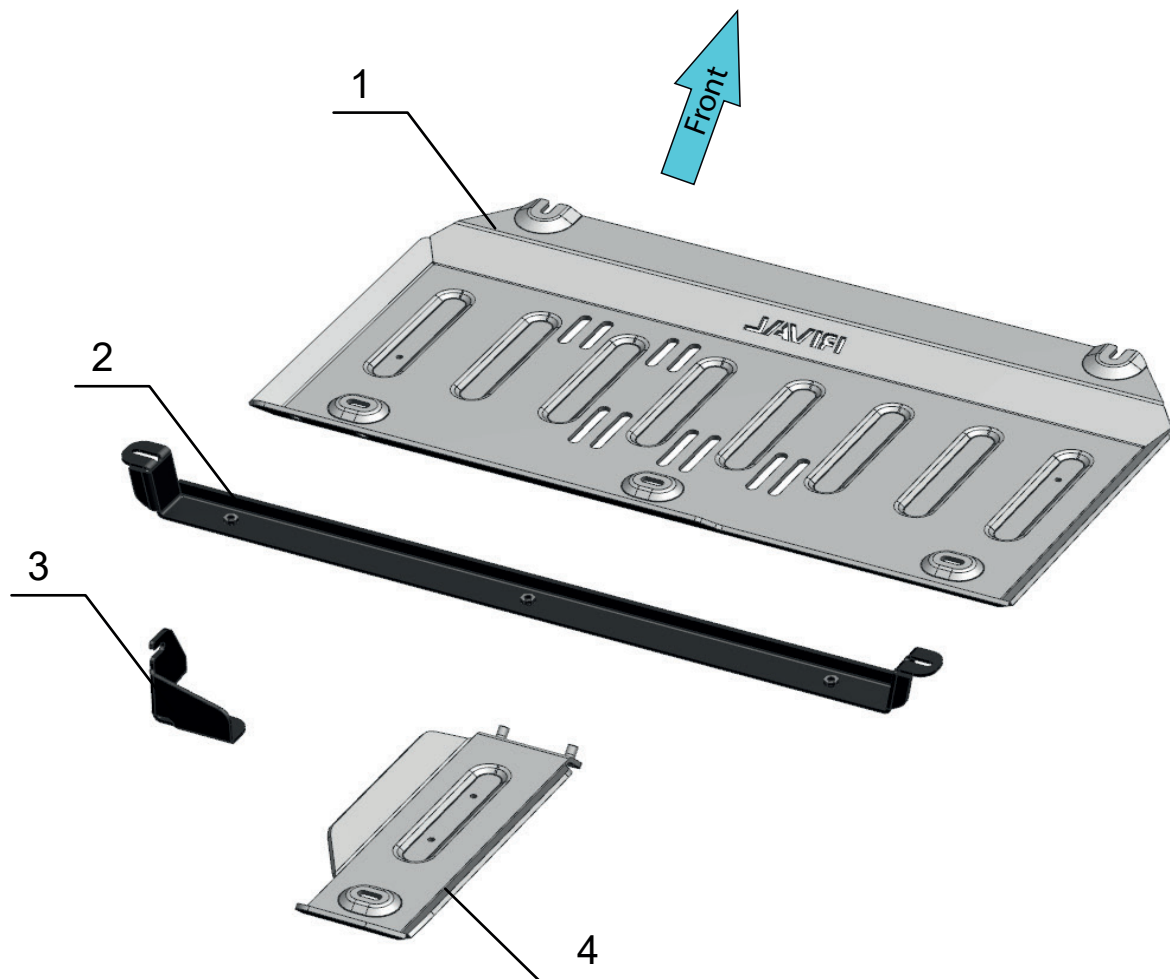
## REQUIRED TOOLS

- \* Basic tool kit
- \* Torque wrench

## TORQUE SETTING

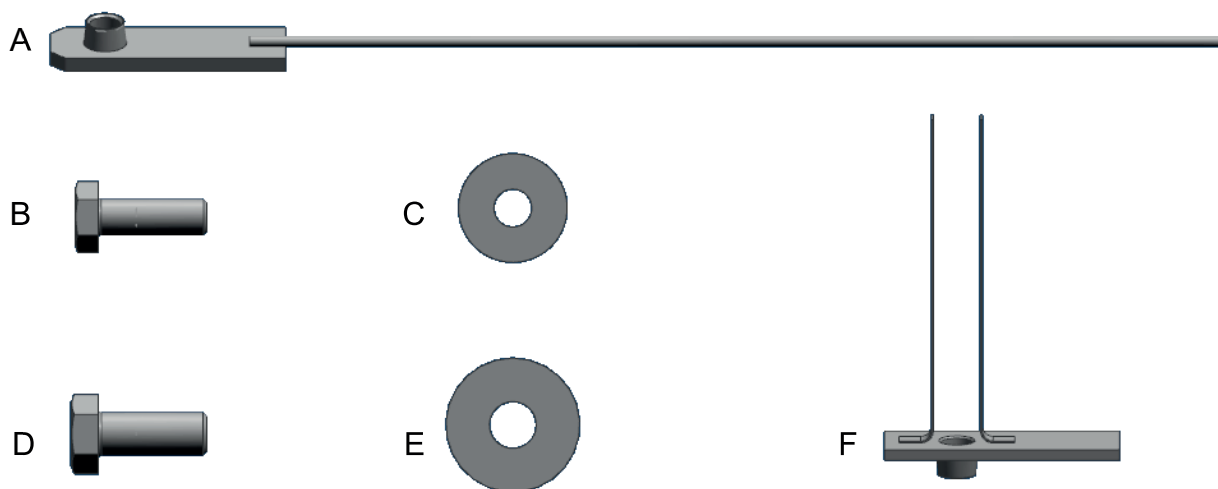
- \* M10 - 47 H·m (34.7 lb/ft)

# PARTS LISTING



1. Transfer case skid plate.....	Qty 1
2. Beam.....	Qty 1
3. Bracket.....	Qty 1
4. Additional skid plate.....	Qty 1

# PARTS LISTING



A. Insert nut M10 with wire.....	Qty 2
B. Bolt M10x30.....	Qty 9
C. Washer 10.....	Qty 9
D. Bolt M12x30.....	Qty 2
E. Washer 12.....	Qty 2
F. Insert nut M10.....	Qty 1

# INSTALLATION PROCEDURE

**\*If equipped, remove the factory skid plate or any other aftermarket skid plate.**

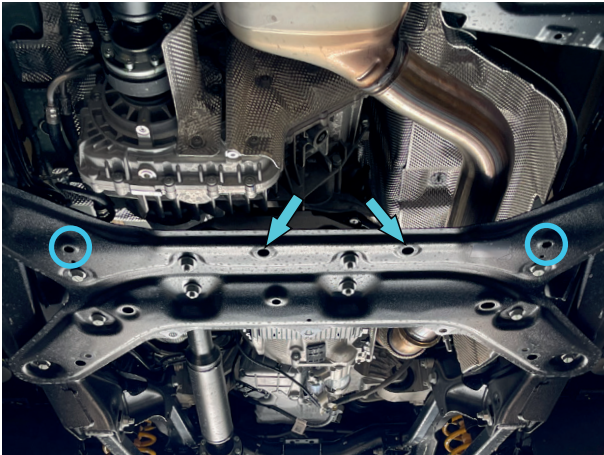


Fig. 1

1. Install insert nuts M10 with wire (item A) into side holes through center holes (fig. 1).

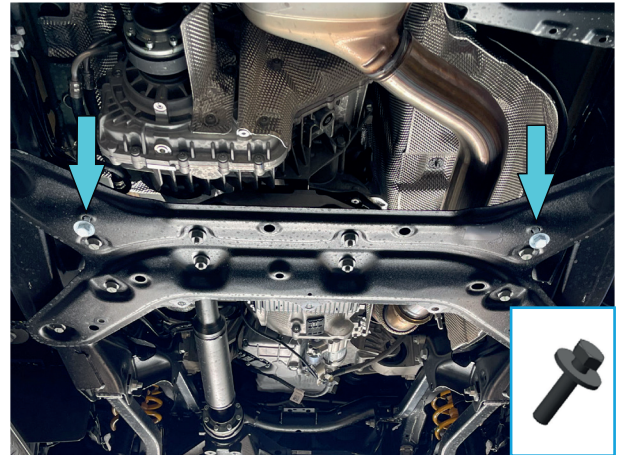


Fig. 2

2. Loosen bolts M10x30 with washers 10 (item B, C) into insert nuts M10 from step 1 (fig. 2).

**\*Do not tighten yet.**



Fig. 3

3. Fix beam (item 2) using bolts M12x30, washers 12 (item D, E), as shown in fig. 3.

**\*Do not tighten yet.**

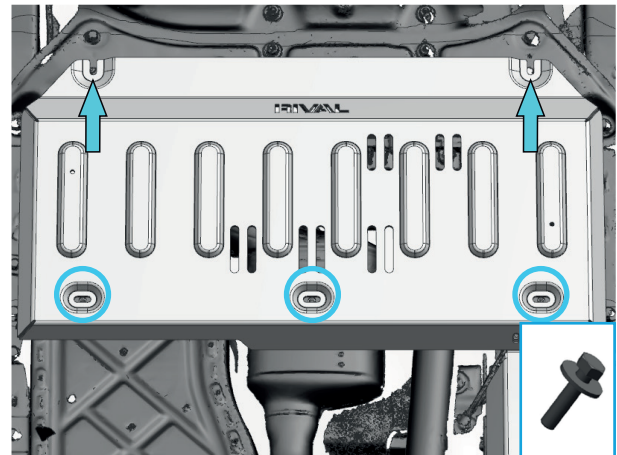


Fig. 4

4. Put transfer case skid plate (item 1) on installed bolts M10x30 from step 2. Fix skid plate to beam using bolts M10x30 and washers 10 (item B, C) (Fig. 4).

**\*Tighten hardware after that.**



# INSTALLATION PROCEDURE



Fig. 5

5. Remove plug, install insert nut M10 (item F) into hole shown in fig.5.  
Loosen bolt M10x30 with washer 10 (item B, C) into insert nut M10.  
**\*Do not tighten yet.**

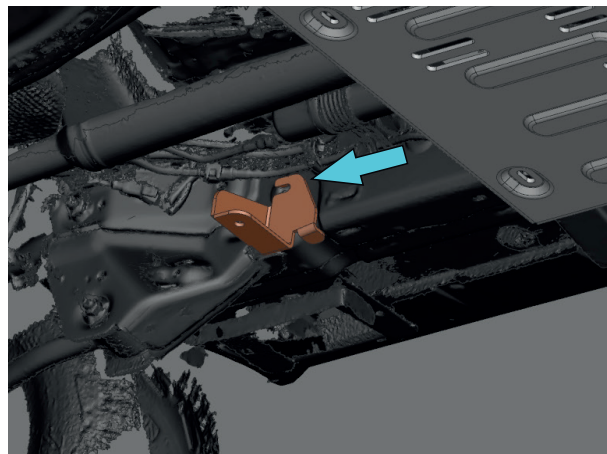


Fig. 6

6. Put bracket (item 3) on installed bolts M10x30 from step 5 (fig. 6).  
**\*Do not tighten yet.**

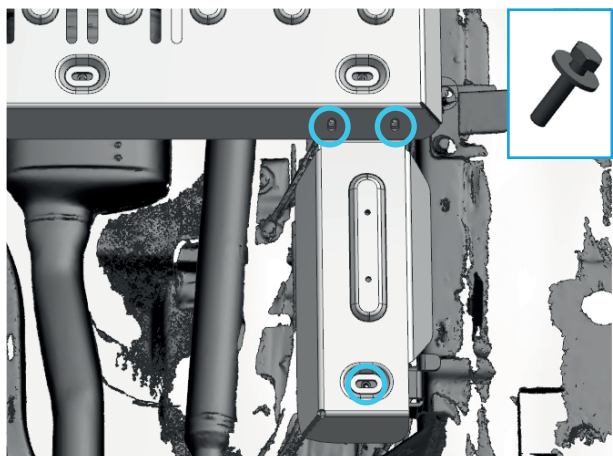


Fig. 7

7. Fix additional skid plate (item 4) to bracket and transfer case skid plate using bolts M10x30 and washers 10 (item B, C) (fig. 7).  
**\*Tighten hardware after that.**

# INSTALLATION PROCEDURE

Before operating a vehicle fitted with RIVAL Skid Plate:

- make sure all fittings are tightened;
- ensure the integrity of the structure and its components.

