

INSTALLATION MANUAL

RIVAL

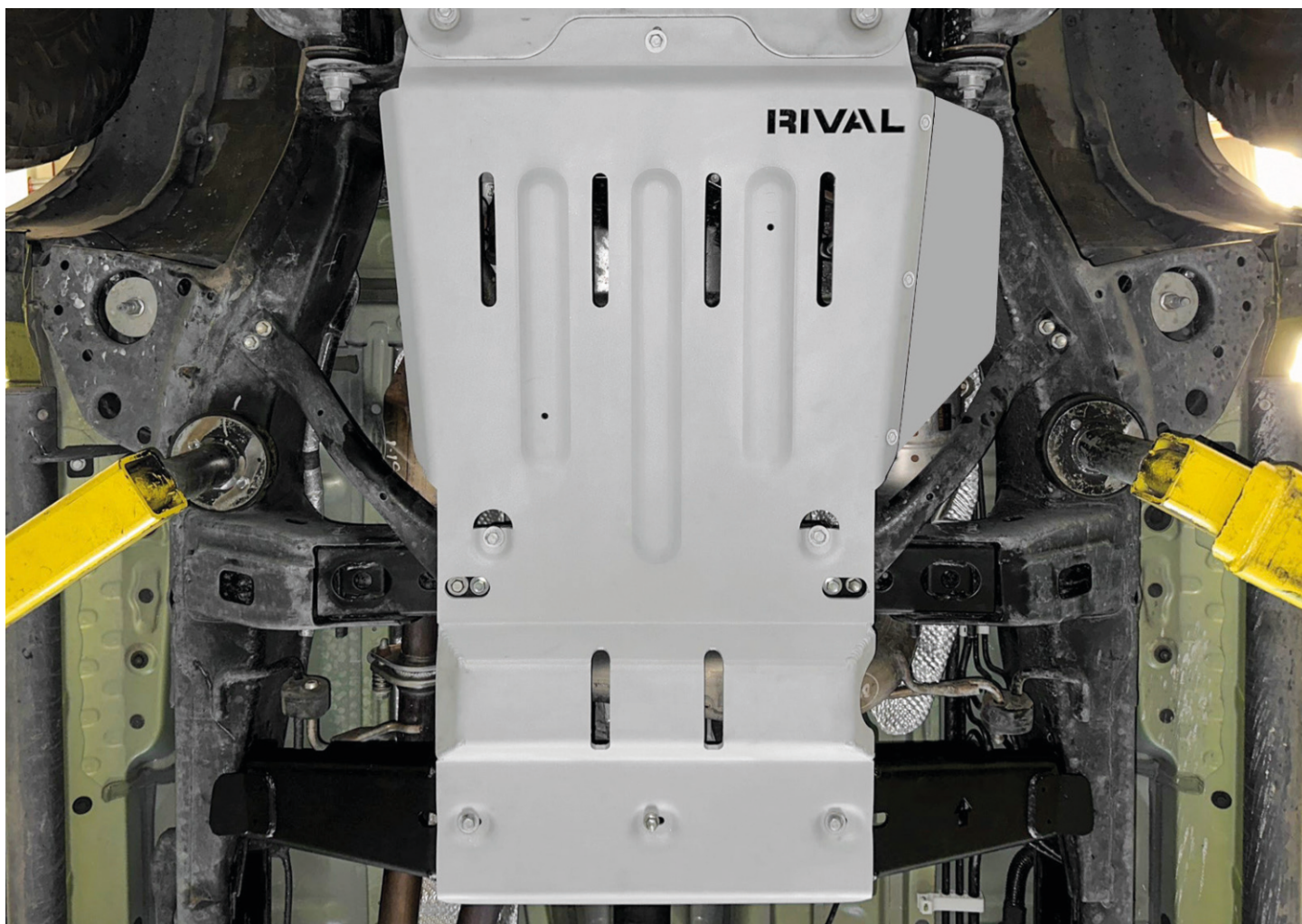
PRODUCT: ALUMINUM TRANSMISSION AND
TRANSFER CASE SKID PLATE

APPLICATION: TOYOTA TACOMA DOUBLE CAB (2015-2024)

PART NO: 2333.9541.2.6



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 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.

ALUMINUM TRANSMISSION AND TRANSFER CASE SKID PLATE

RIVAL

Part number: 2333.9541.2.6

Suited to vehicle: 3th GEN TOYOTA TACOMA DOUBLE CAB (2015-2024),
3.5L, 4WD

Material: Aluminum / Steel



SAFETY NOTICE

- * The RIVAL 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 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 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

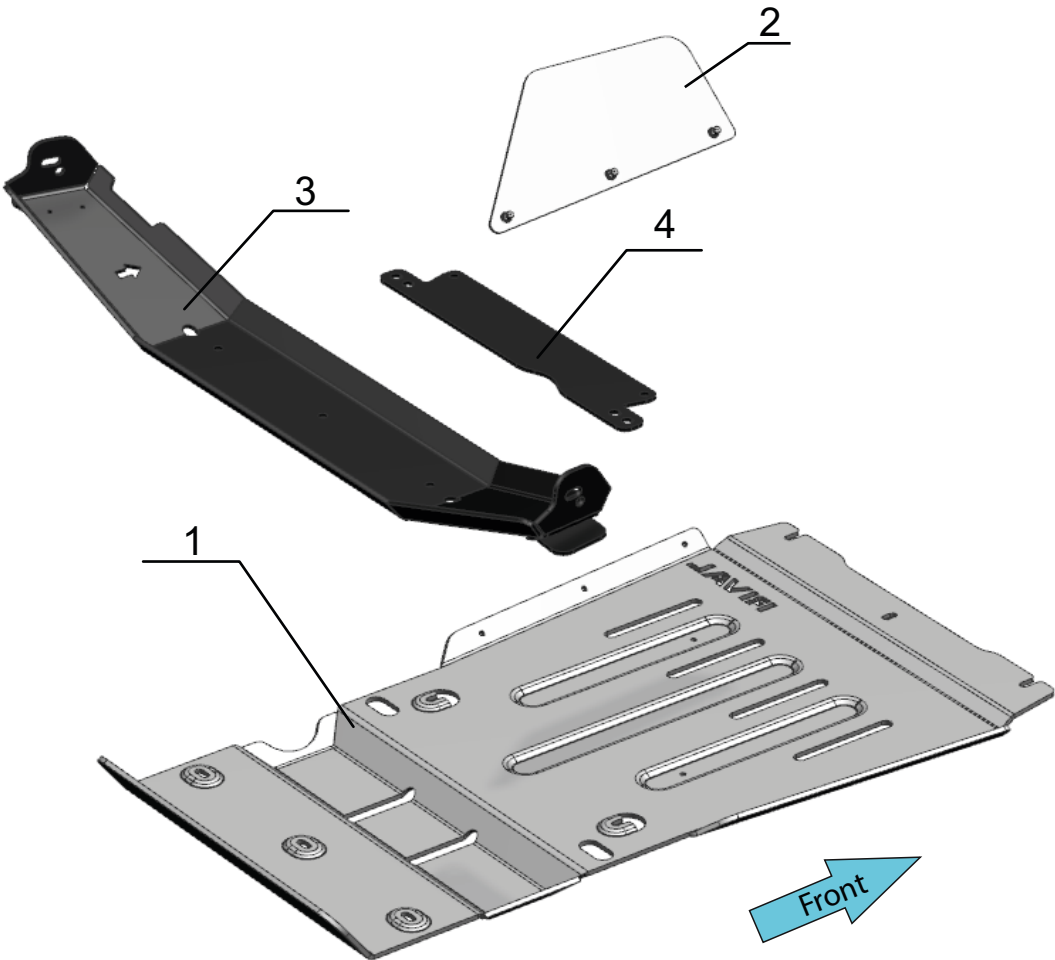
- * The RIVAL skid plate must be mounted and affixed to the vehicle according to this installation manual.
- * Personal safety during the installation process must be adhered to at all times.
- * Do not install this skid plate on vehicle models other than those allowed in this manual.
- * Estimated time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

REQUIRED TOOLS

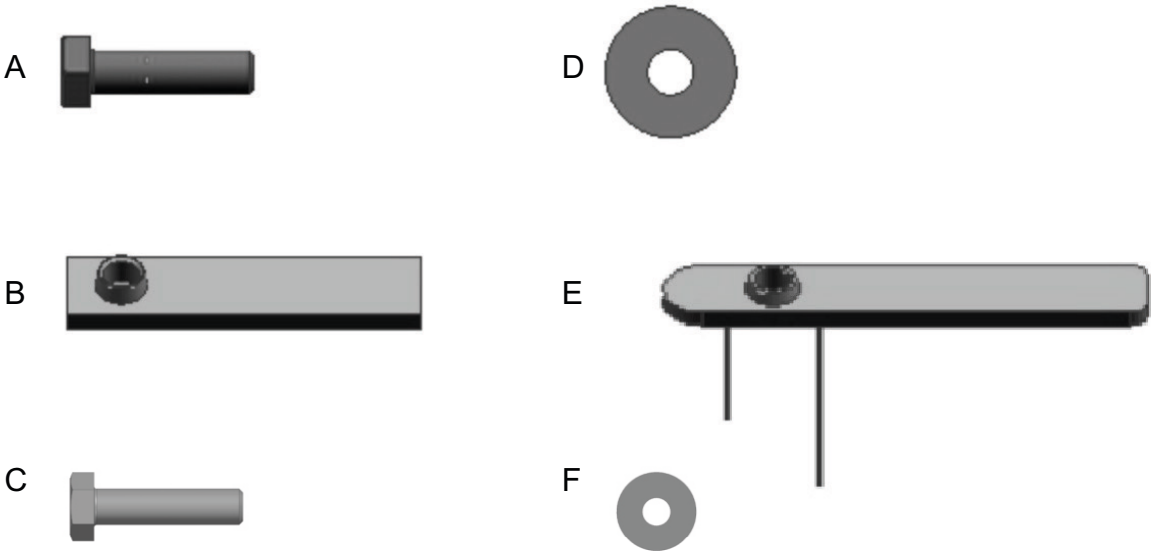
- * Basic tool kit
- * Torque wrench

TORQUE SETTING

- * M6 - 9.8 N·m (7.2 lb/ft)
- * M8 - 24 N·m (17.7 lb/ft)



- 1. Transmission and transfer case skid plate.....Qty 1
- 2. Flap.....Qty 1
- 3. Rear mounting bracket.....Qty 1
- 4. Center mounting bracket.....Qty 1



A. Bolt M8x1.25x30.....	Qty 12
B. Insert nut M8x65.....	Qty 1
C. Bolt M6x1x25.....	Qty 3
D. Flat washer 8.....	Qty 12
E. Insert nut M8x80.....	Qty 1
F. Flat washer 6.....	Qty 3

INSTALLATION PROCEDURE

RIVAL



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

*Remove the center mounting bracket (item 4) from the skid plate (item 1), prior to installation.

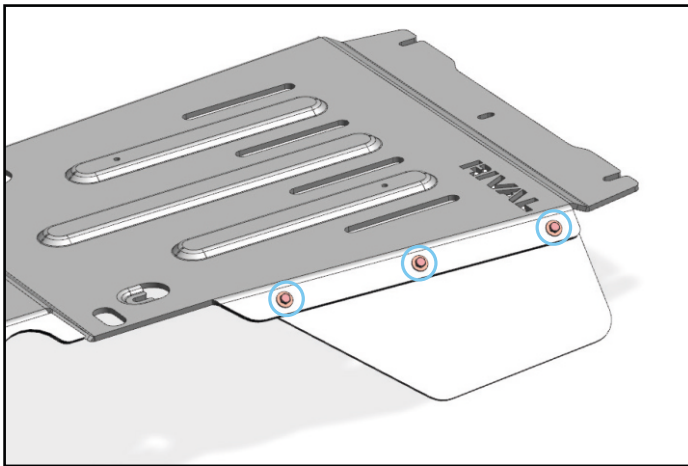


Fig.1

1. Secure the flap (item 2) to the transmission and transfer case skid plate (item 1) using M6x25 bolts (item C) and M6 flat washers (item F)(fig.1).

***Torque Hardware.**

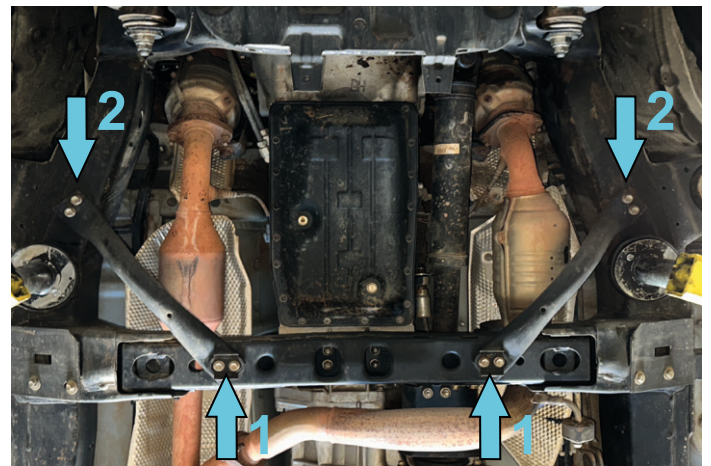


Fig.2

2.1 - Remove 4 factory bolts from skids/crash bars.

2.2 - Loosen 4 factory bolts from skids/crash bars as marked in fig.2.



Fig.3

3. Install the center mounting bracket (item 4) over skids/crash bars using factory bolts as shown in fig.3.

***Torque Hardware.**



Fig.4

4. Loosely install M8x30 bolts (item A) and M8 flat washers (item D) to center mounting bracket (item 4) as shown in fig.4.

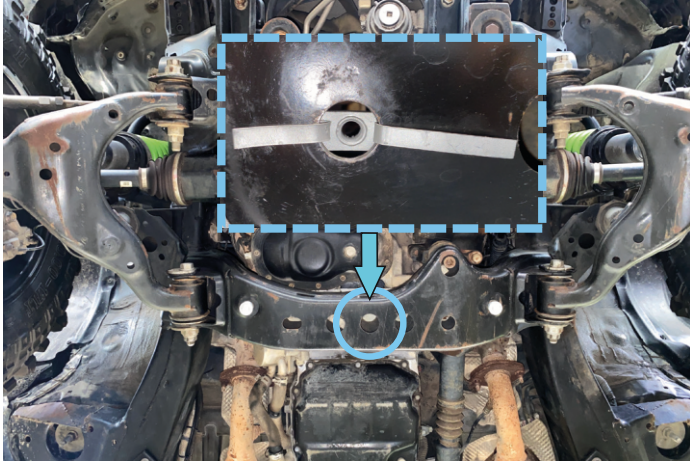


Fig.5

5. Install M8x80 insert nut (item E) into factory crossmember as shown in fig.5.

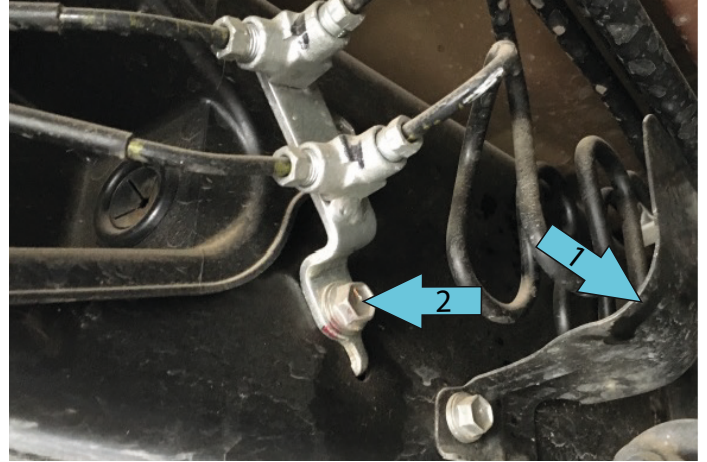


Fig.6

6. Remove left side factory brake line protection bracket (1) and bolt securing brake line bracket (2) as shown in fig.6.



Fig.7

7. Loosen bolt on the plastic cover on the right side of the frame rails as marked in fig.7.



Fig.8

8. Secure left side rear mounting bracket (item 3) under factory brake line bracket using M8x30 bolt (item A) and M8 flat washer (item D) as shown in fig.8.



Fig.9

9. Remove the plastic plug on the right side of the vehicle frame as shown in fig.9.

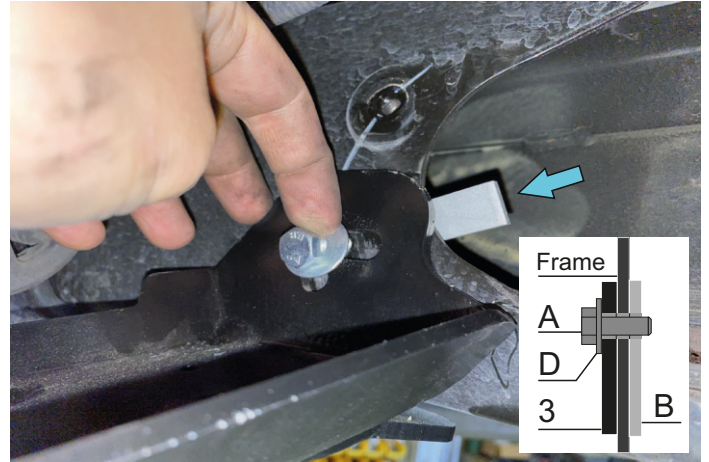


Fig.10

10. Place M8x65 insert nut (item B) and secure the right side of the rear mounting bracket (item 3) using M8x30 bolt (item A) and M8 flat washer (item D) as shown in fig.10.

***Do not tighten yet.**



Fig.11

11. Secure the previously loosened right and left frame rails covers (steps 6 to 8) using factory bolts as shown in fig.11.

***Torque hardware.**

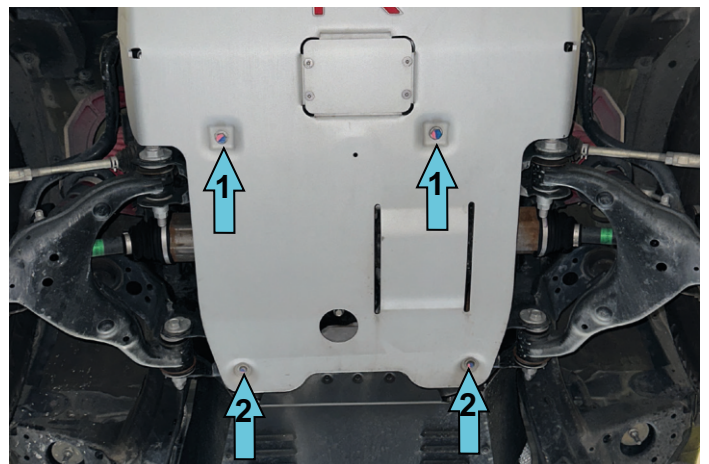


Fig.12

12.1- Loosen the center most bolts of the factory engine skid plate.

12.2 - Remove the rear most bolts of the factory engine skid plate as marked in fig.12.

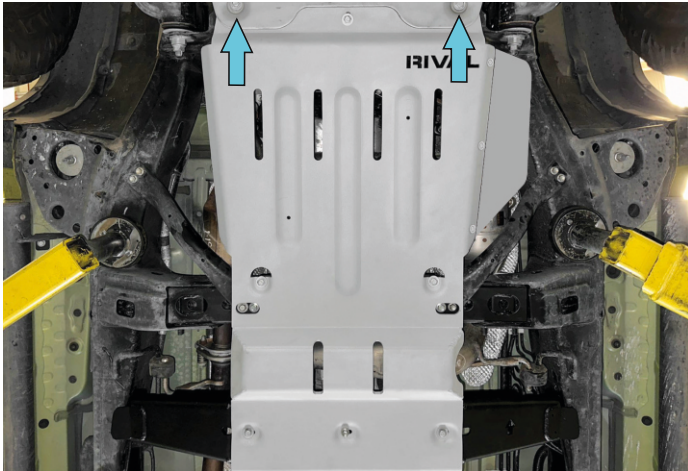


Fig.13

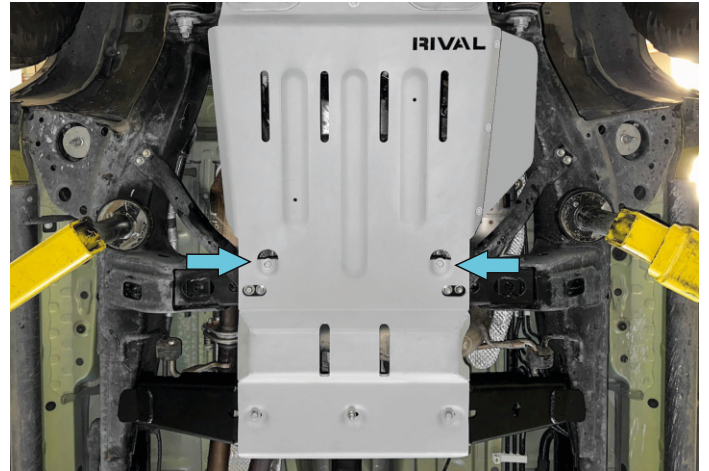


Fig.14

13. Slide the front of the transmission and transfer case skid plate (item 1) between engine skid plate and frame then slide the center slotted holes in the skid plate over previously installed M8x30 bolts(item A) and M8 flat washers (item D) from step 4. Secure the front of the transmission and transfer case skid plate using M8x30 bolts (item A) and M8 flat washers (item D) as shown in fig.13&14.

***Do not tighten yet.**

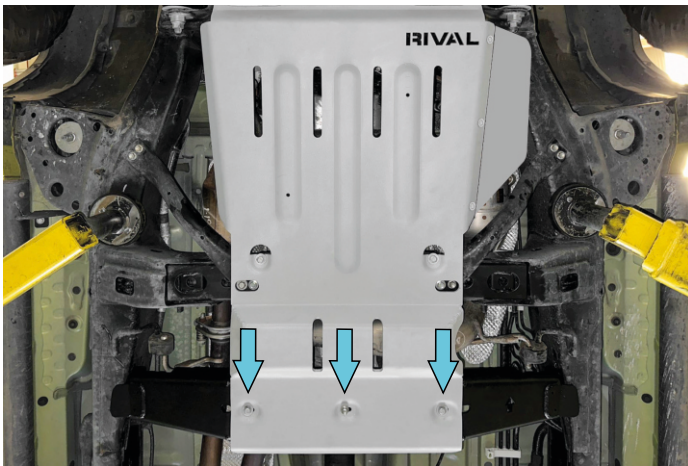


Fig.15

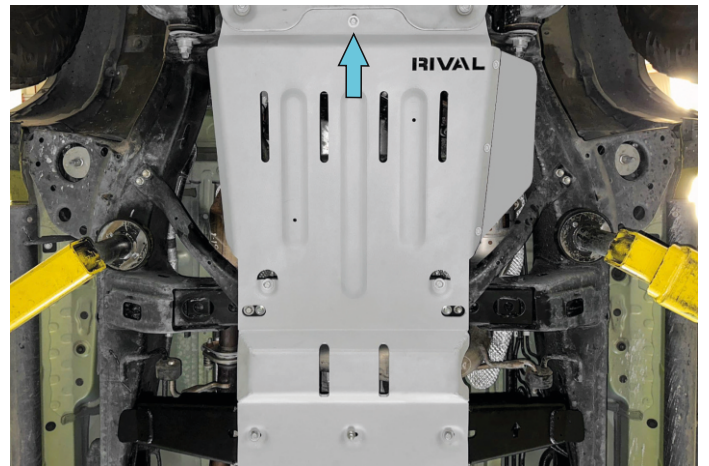


Fig.16

14. Secure the rear of the skid plate to the previously installed mounting bracket (item 3) using M8x30 bolts(item A) and M8 flat washers (item D) as shown in fig.15.

***Do not tighten yet.**

15. Secure the front of the skid plate to the previously installed M8x80 insert nut in step 5 (item E) using M8x30 bolt (item A) and M8 flat washer(item D) (fig.16).

***Torque all hardware.**

Before operating a vehicle fitted with RIVAL Skid Plate:

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

