



INSTALLATION MANUAL

PRODUCT: ALUMINUM TRANSMISSION AND
TRANSFER CASE SKID PLATE

APPLICATION: TOYOTA 4RUNNER (2010-2024),
TOYOTA LAND CRUISER 150 PRADO (2009-2023)
TOYOTA FJ CRUISER (2006-2023)

PART NO: 2333.9543.2.6



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.

TRANSMISSION AND TRANSFER CASE SKID PLATE

RIVAL

4x4 ACCESSORIES

Part number: 2333.9543.2.6

Suited to vehicle: TOYOTA 4RUNNER
4.0 AT 4WD (2010-2024)
TOYOTA LAND CRUISER 150 PRADO
4.0 AT 4WD (2009-2023)
TOYOTA FJ CRUISER
4.0 AT 4WD (2006-2023)

Material: Aluminum / Steel



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
- * 10 mm socket
- * 13 mm socket
- * 17 mm socket

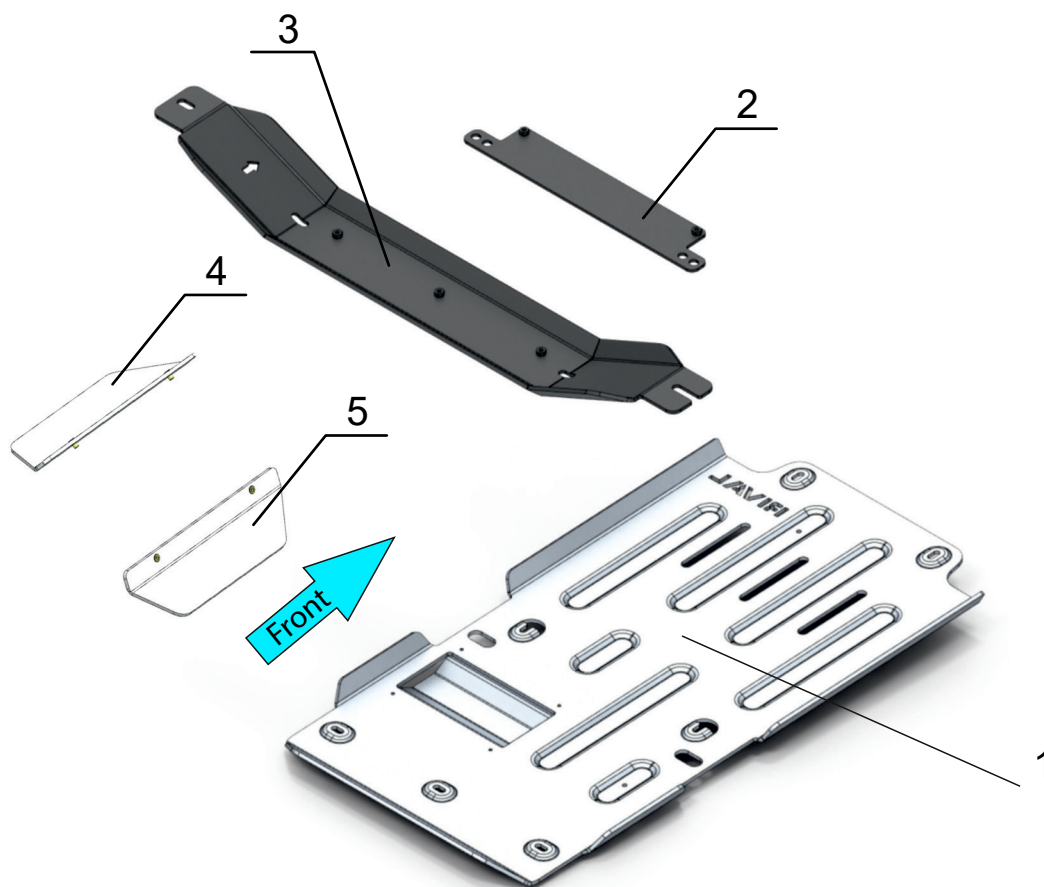
TORQUE SETTING

- * M6 - 9 N·m (6.7 lb/ft)
- * M8 - 24 N·m (17.7 lb/ft)
- * M10 - 47 N·m (34.7 lb/ft)

PARTS LISTING

RIVAL

4x4 ACCESSORIES

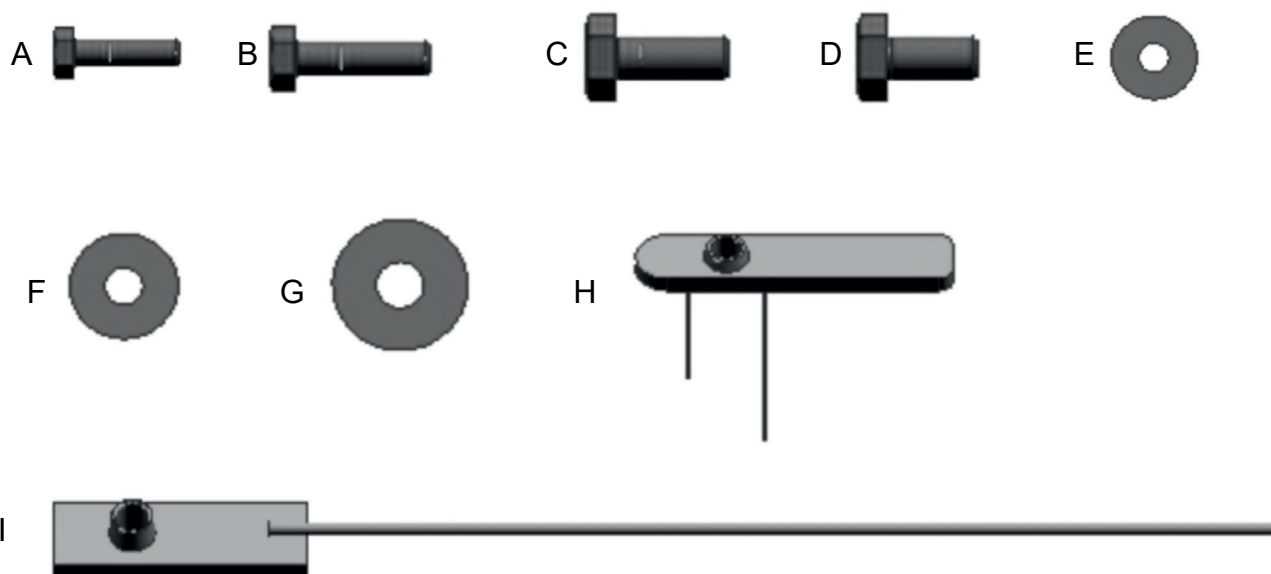


- 1. Transmission and transfer case skid plate....Qty 1
- 2. Center mounting bracket.....Qty 1
- 3. Rear mounting bracket.....Qty 1
- 4. Left flap.....Qty 1
- 5. Right flap.....Qty 1

PARTS LISTING

RIVAL

4x4 ACCESSORIES



A. Bolt M6x1x25	Qty 4
B. Bolt M8x1.25x30 (2 pc. preinstalled on mounting brackets)...	Qty 7
C. Bolt M10x1.5x25.....	Qty 2
D. Bolt M10x1.25x20	Qty 1
E. Flat washer M6.....	Qty 4
F. Flat washer M8 (2 pc. preinstalled on mounting brackets).....	Qty 7
G. Flat washer M10	Qty 2
H. Insert nut M8.....	Qty 2
I. Insert nut M10.....	Qty 2

INSTALLATION PROCEDURE

RIVAL

4x4 ACCESSORIES



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

***Remove the center mounting bracket (item 2) and rear mounting bracket (item 3) from the skid plate (item 1) before installation.**



Fig.1

1. Remove 4 bolts as shown in Fig.1.

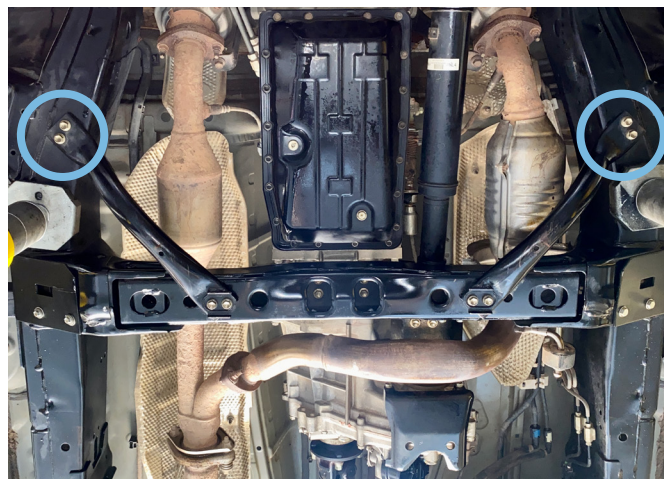


Fig.2

2. Loosen 4 bolts as shown in Fig.2.

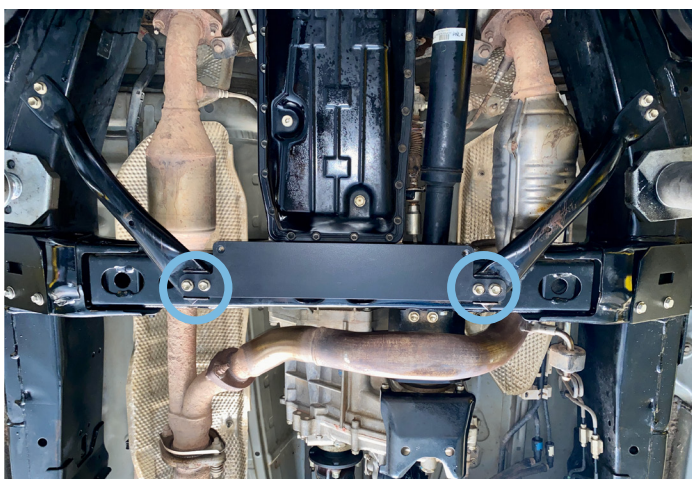


Fig.3

3. Install the center mounting bracket (item 2) using factory bolts as shown in Fig.3.

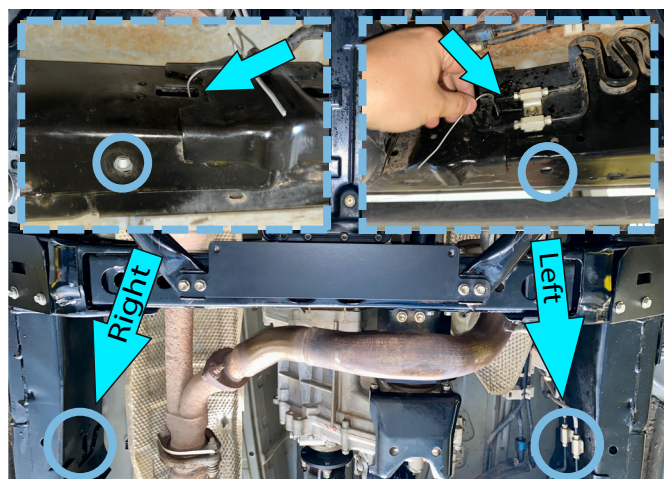


Fig.4

4. Install Insert nut M10 (item I) into the right frame rail as shown in Fig 4&5.

*** If your vehicle doesn't have a factory mounting point on the left frame rail, install the supplied insert nut M10 (item I).**

INSTALLATION PROCEDURE

RIVAL

4x4 ACCESSORIES



Fig.5

5. Loosely install M10x25 bolt (item C) with M10 flat washer (item G) into the M10 insert nut (item I) as shown in Fig.5.

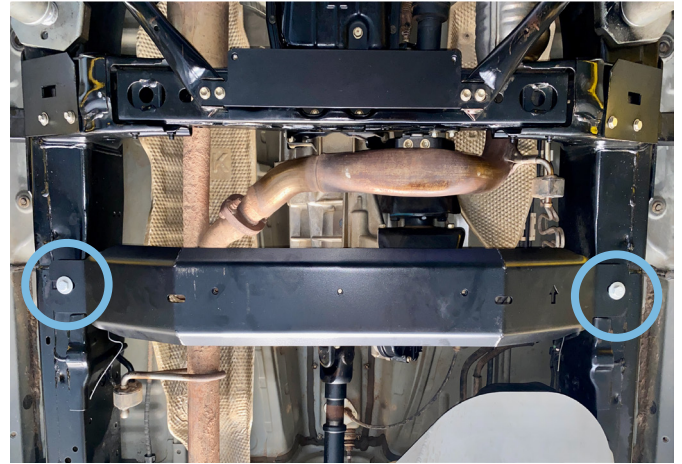


Fig.6

6. Secure the rear mounting bracket (item 3) using M10x25 bolts (item C), M10 flat washers (item G) and hardware from the previous step as shown in Fig.6.

*** If there is a factory threaded hole on the left side, use M10x1.25x20 bolt (item D) and M10 flat washer (item G).**

***The arrow on the rear mounting bracket points to the front of the vehicle.**

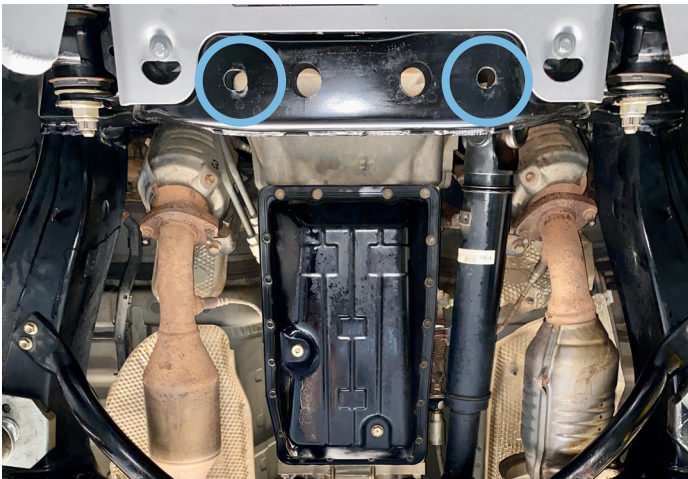


Fig.7

7. Install two M8 insert nuts (item H) into the crossmember as shown in Fig.7.



Fig.8

8. Loosely install M8x30 bolts (item B) with M8 flat washers (item F) into the center mounting bracket (item 2) as shown in Fig.8.

INSTALLATION PROCEDURE

RIVAL

4x4 ACCESSORIES

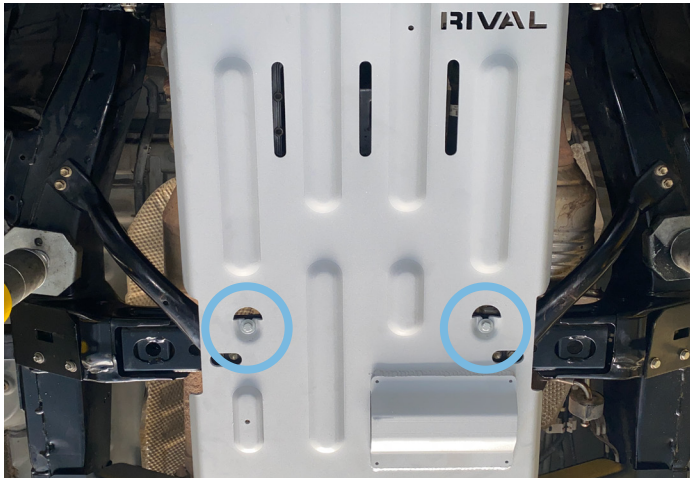


Fig.9

9. Slide the center holes of the skid plate over previously installed M8x30 Bolts & M8 washers as shown in Fig.9.



Fig.10

10. Secure the front of skid plate using M8x30 bolts (item B) with M8 flat washers (item F) as shown in Fig.10.

***Do not tighten yet.**

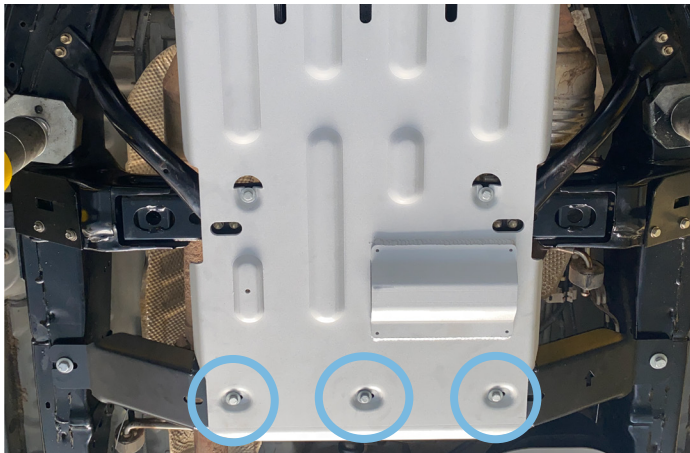


Fig.11

11. Secure the rear of the skid plate to the mounting bracket (item 3) using M8x30 bolts (item B) with M8 flat washers (item F) as shown in Fig.11.

***Check skid plate alignment and torque all hardware.**

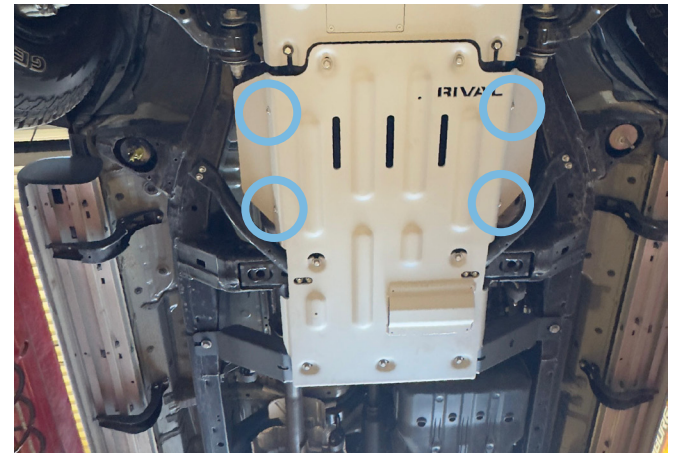


Fig.12

12. Install the left and right flaps (item 4,5) to the skid plate using M6x25 bolts (item A) with M6 flat washers (item E) as shown in Fig.12.

***Torque hardware.**

INSTALLATION PROCEDURE



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.

