

INSTALLATION MANUAL

RIVAL

UP-TO-DATE
MANUAL

PRODUCT: ENGINE SKID PLATE

APPLICATION: TOYOTA TACOMA (2024-PRESENT)
TOYOTA LC250 (2024-PRESENT)
TOYOTA 4RUNNER (2025-PRESENT)

PART NO: 2333.9571.2.6



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.

ENGINE SKID PLATE



Part number: 2333.9571.2.6

Suited to vehicle: Toyota Tacoma 2.4, 2.4 Hybrid; AT; 4WD, RWD
(2024-PRESENT)
Toyota LC 250 2.4, 2.4 Hybrid, 2.7, 2.8D; AT; 4WD
(2024-PRESENT)
Toyota 4Runner 2.4, 2.4 Hybrid; AT; 4WD
(2025-PRESENT)

Material: Aluminum



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

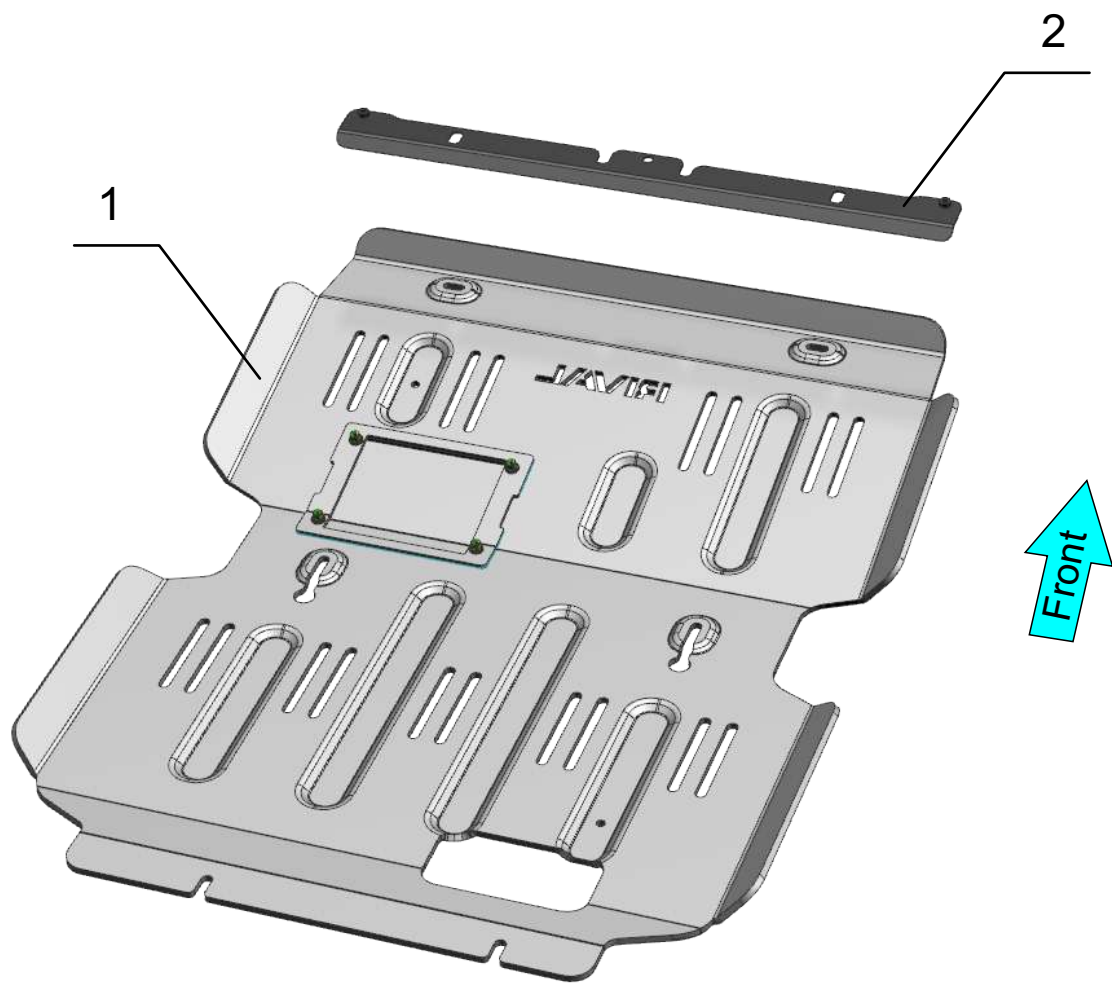
- The RIVAL skid plate must be mounted to the vehicle according to this installation manual.
- Personal safety during the installation process must be adhered to at all times.
- Do not install this skid plate on vehicle models other than those listed in this manual.
- We recommend using blue threadlocker on all hardware.
- Estimated time for installation: 1 hour.

REQUIRED TOOLS

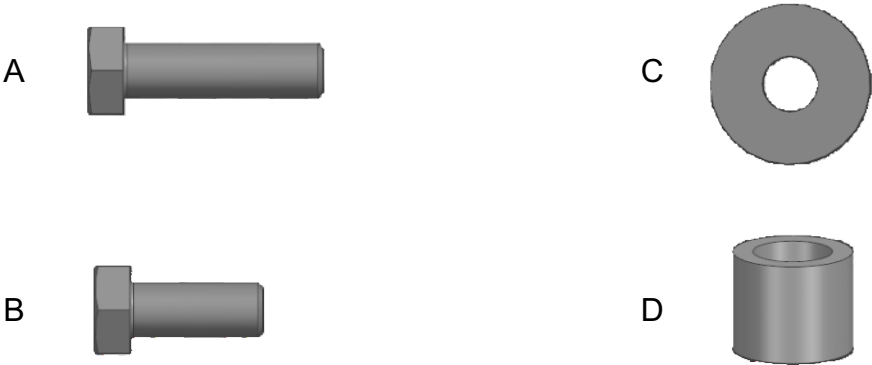
- * Basic tool kit
- * Torque wrench

TORQUE SETTING

- * M8 - 24 N·m (17.7 lb/ft)



- 1. Engine skid plate.....Qty 1
- 2. Mounting bracket for LC250.....Qty 1



- A. Bolt M8x1.25x40.....Qty 2
- B. Bolt M8x1.25x25.....Qty 4
- C. Washer M8.....Qty 6
- D. Spacer 15 mm.....Qty 2

SPARE PARTS



- E. Countersunk bolt M6x1x20.....Qty 4

INSTALLATION PROCEDURE

RIVAL

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

**Skip to page 6 for installation on Toyota Tacoma and Toyota 4Runner.

Toyota LC250 (steps 1-10).

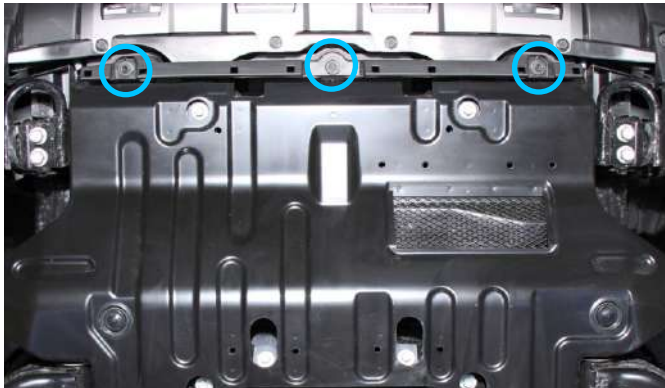


Fig. 1

1. Remove factory plastic cover as shown in Fig.1.

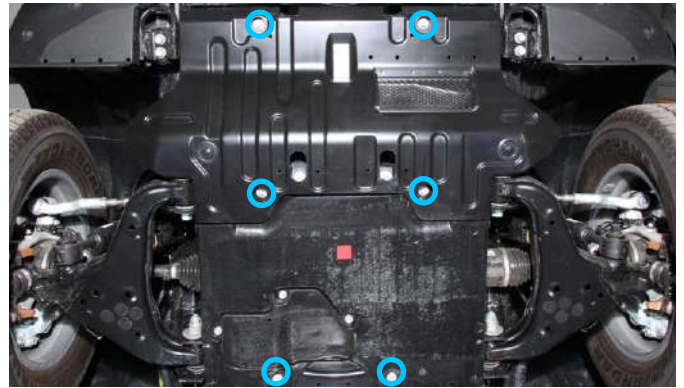


Fig. 2

2. Remove factory skid plates as shown in Fig.2.



Fig. 3

3. Remove factory bolts as shown in Fig.3.



Fig. 4

4. Install supplied mounting bracket (item 2) as close as possible to the factory bumper and secure it using factory bolts from step 3 as shown in Fig.4.

***Torque hardware.**



Fig. 5

5. Secure factory plastic cover to previously installed mounting bracket (item 2) using factory bolts from step 1 as shown in Fig.5.

***Torque hardware.**

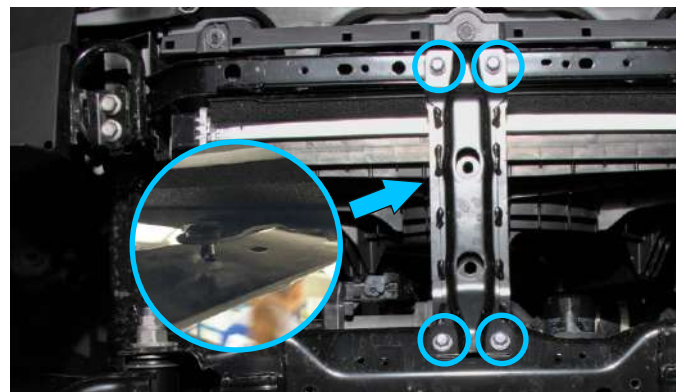


Fig. 6

6. Remove factory cross brace as shown in Fig.6.

INSTALLATION PROCEDURE

RIVAL

*If your Tacoma doesn't have the factory front crossmember, purchase and installation of part # 2333.9571.RK is required.

Toyota Tacoma / LC250 / 4Runner (steps 7-10).

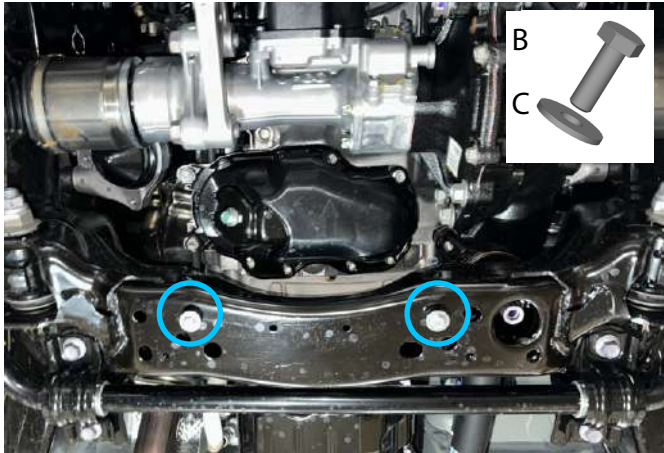


Fig. 7

7. Loosely install supplied M8x25 bolts with M8 washers (items B,C) into factory threaded holes as shown in Fig. 7.

***Do not tighten yet.**

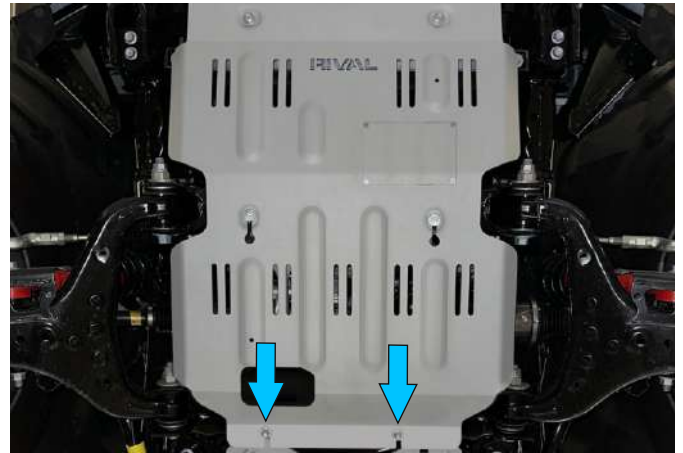


Fig. 8

8. Slide the rear of the skid plate over the previously installed M8 hardware as shown in Fig.8.

***Do not tighten yet.**

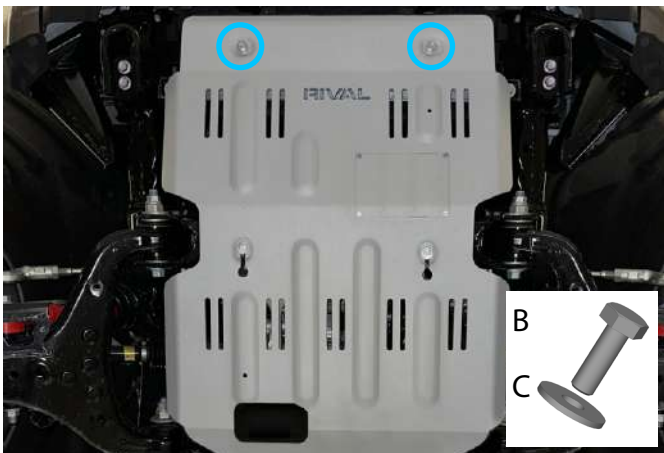


Fig. 9

9. Secure the front of the skid plate using M8x25 bolts and M8 washers (items B, C) as shown in Fig. 9.

***Do not tighten yet.**

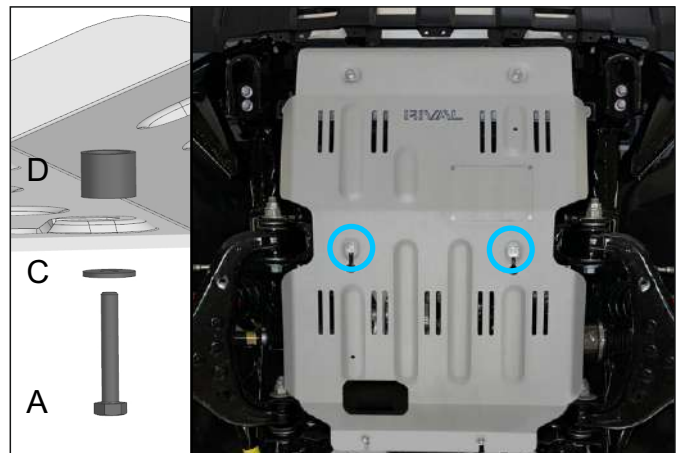


Fig. 10

10. Secure the middle of the skid plate using M8x40 bolts, M8 washers and 15mm spacers (items A, C, D) as shown in Fig. 10.

***Once all bolts are installed, check skid plate alignment and torque all 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.**



PRODUCT: TRANSMISSION SKID PLATE

APPLICATION: TOYOTA LC250 (2024-PRESENT)

PART NO: 2333.9580.1.6



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.

TRANSMISSION SKID PLATE

RIVAL

Part number: 2333.9580.1.6

Suited to vehicle: Toyota LC250 (2024-Present)
V-2.8D; AT; 4WD

Material: Aluminum



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

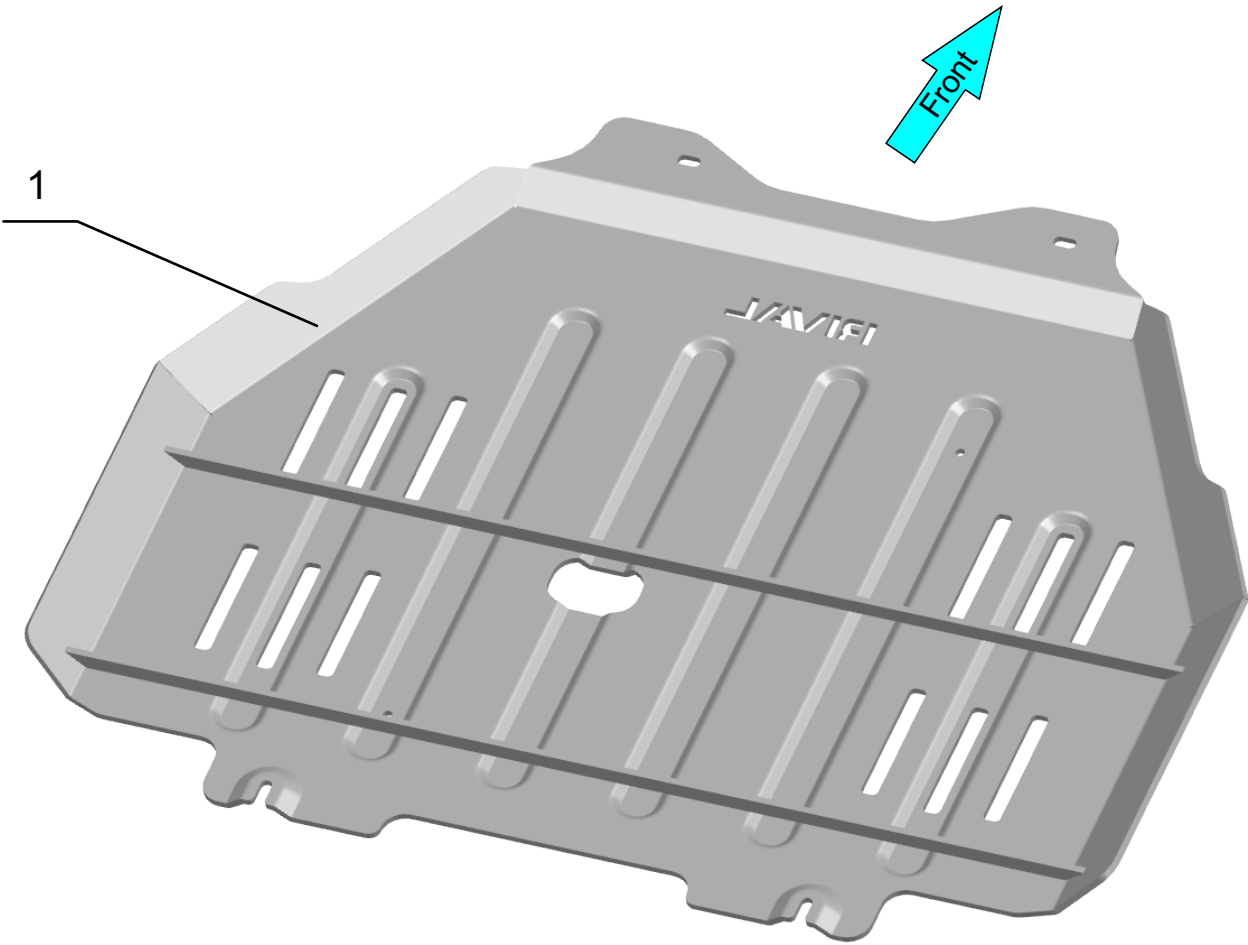
- * The RIVAL skid plate must be mounted and affixed to the vehicle according to this installation manual.
- * Personal safety during the installation process must be adhered to at all times.
- * Do not install this skid plate on vehicle models other than those allowed in this manual.
- * Estimated time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

REQUIRED TOOLS

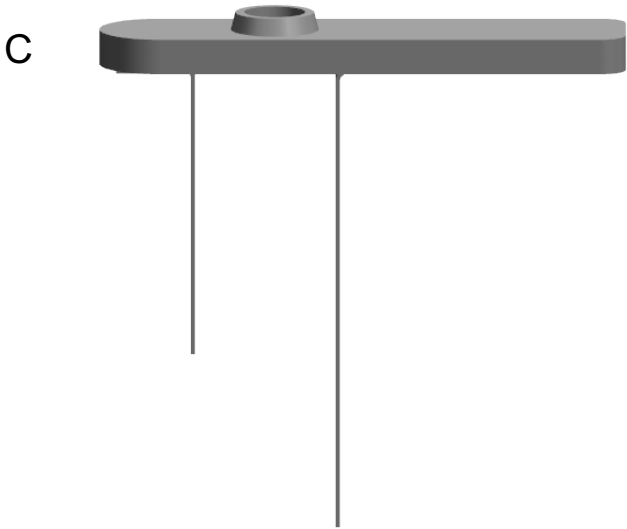
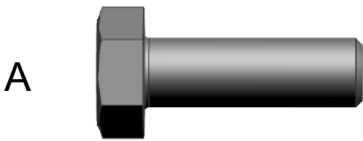
- * Basic tool kit
- * Torque wrench

TORQUE SETTING

- * M8 - 24 N·m (17.7 lb/ft)



1. Skid plate..... Qty 1



A. Bolt M8x25.....	Qty 4
B. Washer M8.....	Qty 4
C. Insert nut M8.....	Qty 2

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

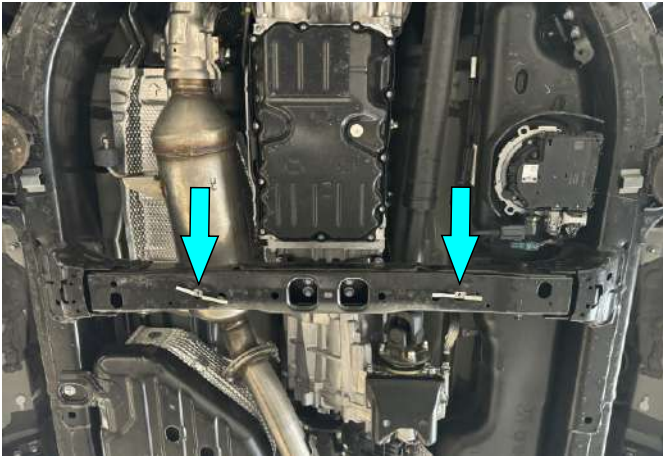


Fig. 1

1. Install insert nuts M8 (item C) as shown in fig. 1.



Fig. 2

2. Loosely insert supplied bolts M8x25 with washers M8 (items A, B) to insert nuts M8 as shown in fig. 2.

***Do not tighten yet.**

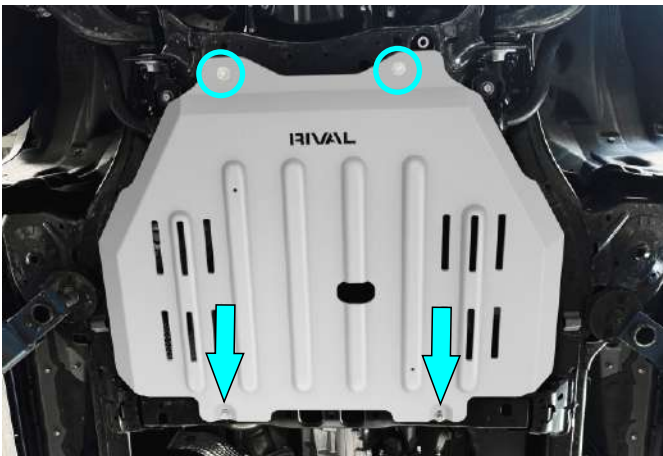


Fig. 3

3. Slide rear part of transmission skid plate under previously installed bolts M8. After that secure front part using bolts M8x25 and washers M8 (items A, B) as shown in fig. 3.

***Once all bolts are inserted, check skid plate alignment and tighten all previously installed 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.



PRODUCT: TRANSFER CASE SKID PLATE

APPLICATION: TOYOTA LC250 (2024-PRESENT)

PART NO: 2333.9582.1.6



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

RIVAL

Part number: 2333.9582.1.6

Suited to vehicle: Toyota LC250 (2024-Present),
V-2.8D; AT; 4WD

Material: Aluminum



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

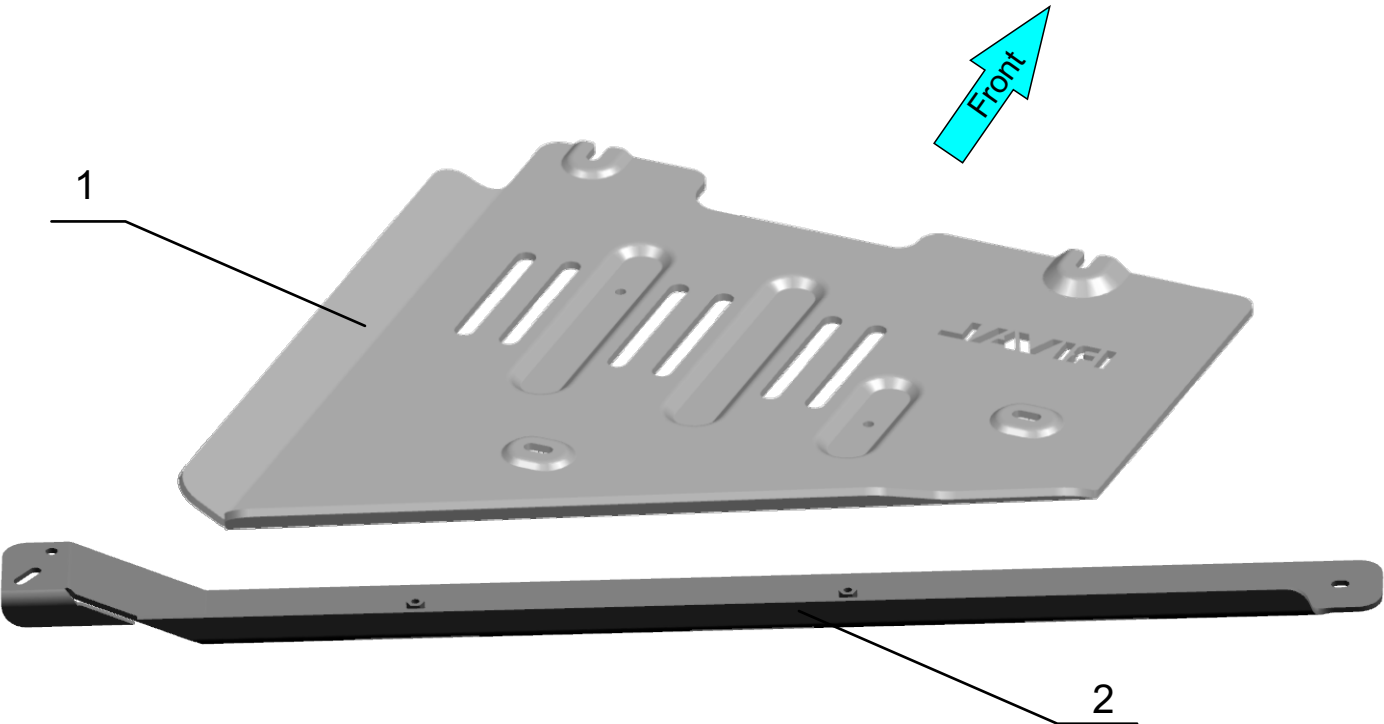
- * The RIVAL skid plate must be mounted and affixed to the vehicle according to this installation manual.
- * Personal safety during the installation process must be adhered to at all times.
- * Do not install this skid plate on vehicle models other than those allowed in this manual.
- * Estimated time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

REQUIRED TOOLS

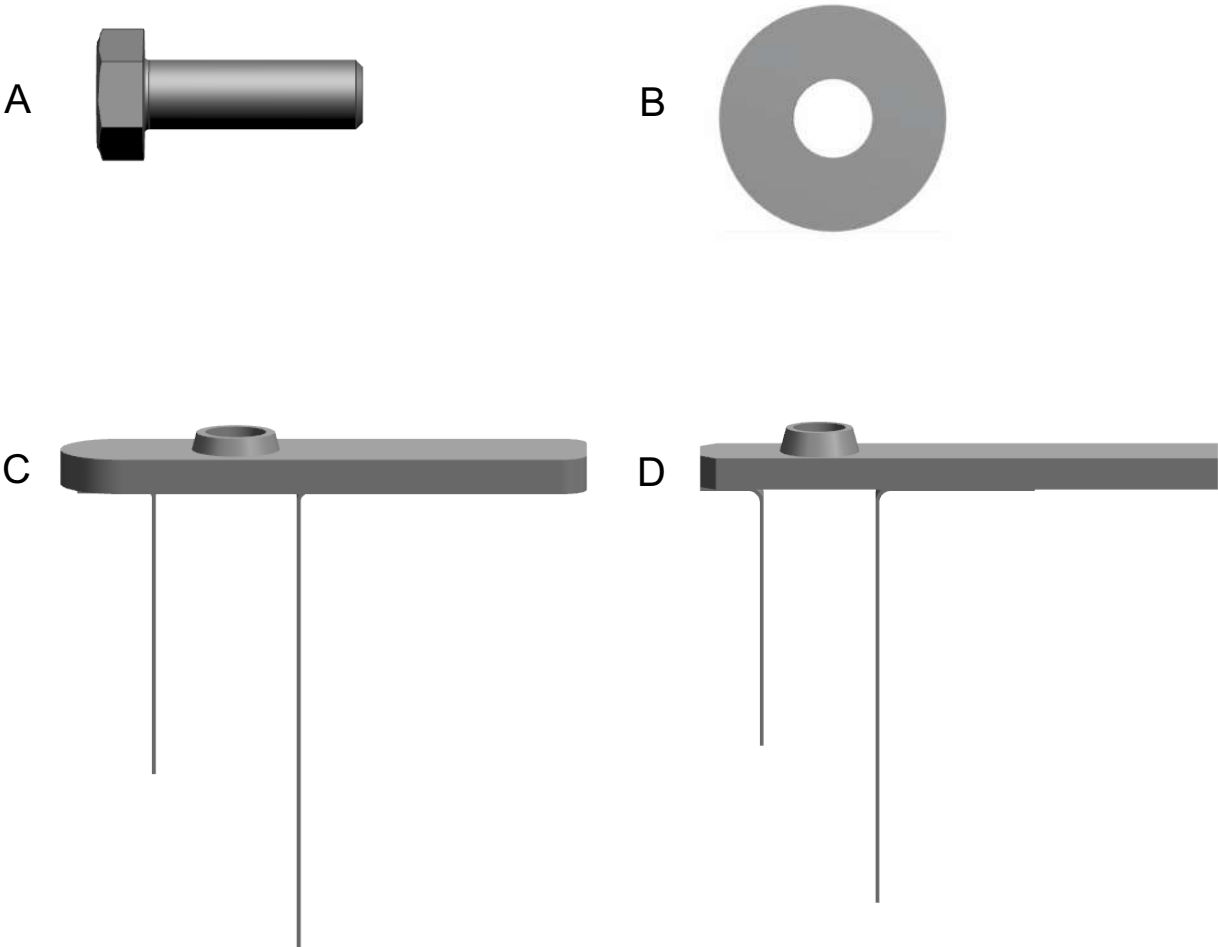
- * Basic tool kit
- * Torque wrench

TORQUE SETTING

- * M8 - 24 N·m (17.7 lb/ft)



- 1. Skid plate.....Qty 1
- 2. Crossmember.....Qty 1



- A. Bolt M8x25 (2 pc. preinstalled).....Qty 6
- B. Washer M8 (2 pc. preinstalled).....Qty 6
- C. Insert nut M8x70.....Qty 2
- D. Insert nut M8x65.....Qty 2

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

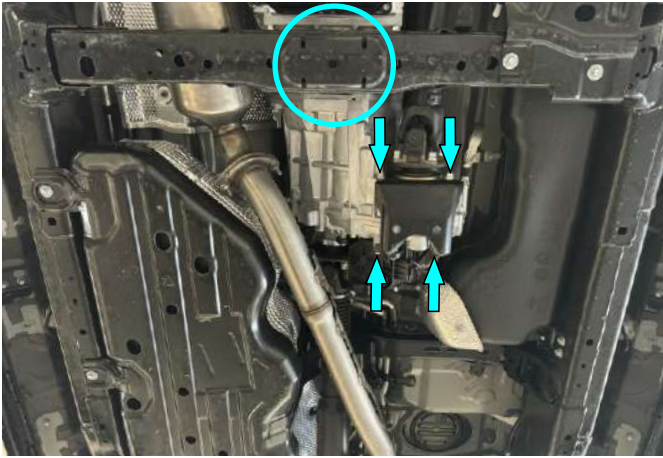


Fig. 1

1. Remove plastic pad and factory cover as shown in fig. 1.

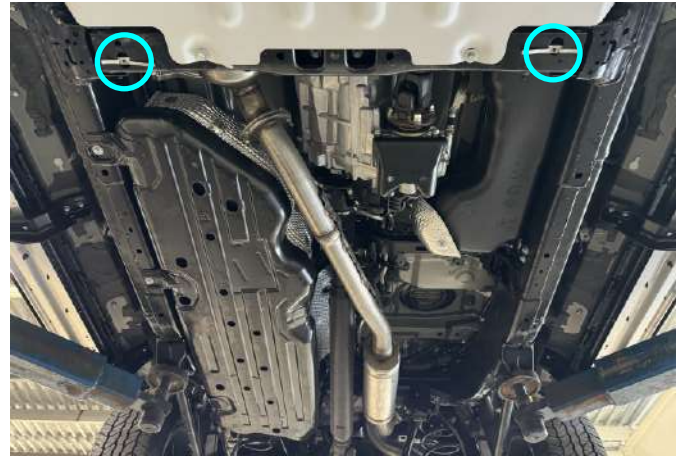


Fig. 2

2. Install insert nuts M8x70 (item C) as shown in fig. 2.



Fig. 3

3. Install insert nuts M8x65 (item D) as shown in fig. 3.



Fig. 4

4. Secure crossmember (item 2) using bolts M8x25 and washers M8 (items A, B) as shown in fig. 4.

***Do not tighten yet.**



Fig. 5

5. Loosely insert supplied bolts M8x25 with washers M8 (items A, B) to insert nuts M8 as shown in fig. 5.

***Do not tighten yet.**

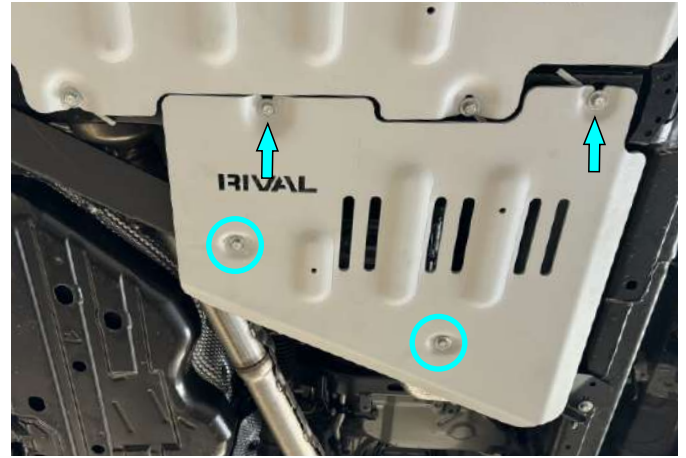


Fig. 6

6. Slide front part of skid plate under previously installed bolts M8. After that secure rear part using bolts M8x25 and washers M8 (items A, B) as shown in fig. 6.

***Once all bolts are inserted, check skid plate alignment and tighten all previously installed 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.

