



INSTALLATION GUIDE

2017+ Ford F150 Raptor Transmission Skid Plate
SKU: BNSD-F35T-17TR

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RESOURCES & CONTACT



CALL 1-877-GOMISHI

CUSTOMER SERVICE HOURS: MON-FRI 8:30AM-5:00PM EST



MISHIMOTO



GOMISHIMOTO



MISHIMOTO



WEBSITE

WWW.MISHIMOTO.COM



ENGINEERING BLOG

WWW.MISHIMOTO.COM/ENGINEERING

IMPORTANT SAFETY INFORMATION

- Mishimoto recommends you use safety glasses and protective gloves during the installation of our products
- Raise vehicle only on jack stands or on a vehicle lift
- Allow vehicle to cool completely prior to attempting installation
- Do not run the engine or drive the vehicle while overheating; serious damage can occur
- Please dispose of any liquids properly
- Mishimoto is not responsible for any vehicle damage or personal injury due to installation errors, misuse, or removal of Mishimoto products
- If you need any assistance while installing our products, reach out to our Customer Service Team at 1-877-GOMISHI

SUPPLIED PARTS

- (1) TRANSMISSION SKID PLATE
- (1) ACCESS COVER
- (5) M8 BOLTS
- (5) M8 CLIP NUTS

*THE PARTS BELOW ARE PACKAGED IN A SEPARATE BAG AND ARE FOR USE ONLY IF NO OEM SKID PLATE IS EQUIPPED:

- (4) M10 CLIP NUTS
- (4) M10 BOLTS
- (4) FLAT WASHERS
- (4) LOCK WASHERS

REQUIRED TOOLS

- 8MM SOCKET (ONLY IF OEM SPLASH GUARD IS EQUIPPED)
- 10MM SOCKET
- 12MM SOCKET
- 13MM SOCKET
- SOCKET DRIVER
- TORQUE WRENCH



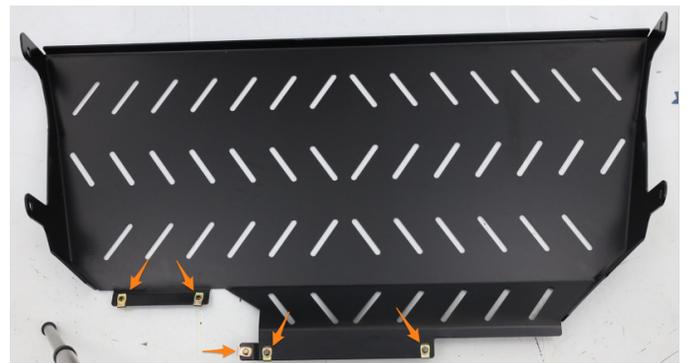
BEFORE

AFTER

INSTALLATION INSTRUCTIONS

Note: The engine, transmission, and transfer case skid plates are shown above. These installation instructions are for the transmission skid plate only.

01. Install the (5) supplied clip nuts to the Borne Off-Road transmission skid plate as shown below:



02. Using a 10mm socket (8mm socket if OEM splash guard is equipped), remove the (2) bolts that connect the engine skid plate to the transmission skid plate (or splash guard). These bolts will not be reused. (See next page)

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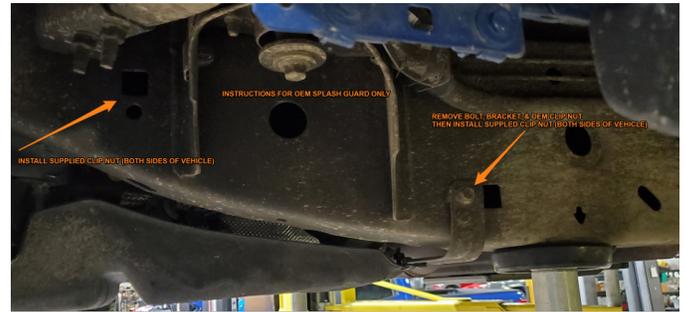


03. Using a 13mm socket, remove the transmission skid plate from the vehicle by removing the (4) bolts that attach it to the frame. There are (2) on the driver side and (2) on the passenger side.



*If an OEM splash guard is equipped (instead of a skid plate) remove the (2) bolts that attach the (2) brackets to the frame as well as the clip nuts. There is (1) on the driver side and (1) on the passenger side.

These bolts, clip nuts, and brackets will not be reused. (4) supplied clip nuts will need to be installed at these mounting locations.

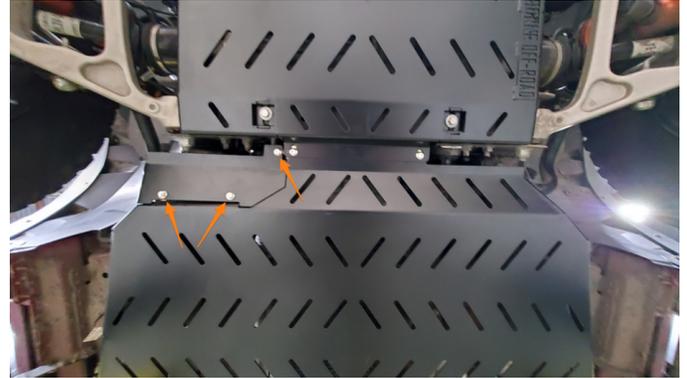
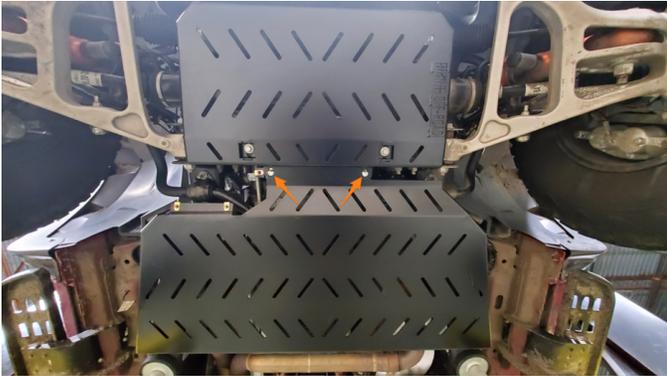


04. Using a 13mm socket, install the Borne Off-Road transmission skid plate by reinstalling the (4) bolts removed in step 3 (the (4) supplied bolts, flat washers, & lock washers if an OEM splash guard was equipped) and tighten to 22 lb-ft (30 N-m).



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05. Using a 12mm socket, attach the engine skid plate to the transmission skid plate with (2) of the supplied bolts and tighten to 120 lb-in (13.6 N-m).



06. Using a 12mm socket, attach the access cover to the skid plate with the remaining (3) supplied bolts and tighten to 120 lb-in (13.6 N-m).

This cover can be removed to gain access to the oil drain plug without the need to remove the entire skid plate.

Congratulations! You have completed your installation.

****For Disposal Instructions, and Warranty Information continue to the following page.***

DISPOSAL INSTRUCTIONS

- ▶ Do not dispose of any product as unsorted municipal waste. Use separate collection facilities. Contact your local authority for information regarding the collection systems available.
- ▶ Never improperly dispose of any coolant, oil, or other chemicals.

WARRANTY INFORMATION



- ▶ All claims must be accompanied with a picture of the Mishimoto product showing the issue for which the claim is being submitted.
- ▶ Mishimoto asks that the customer inspect their purchased item for any damage immediately upon arrival.
- ▶ Any product deemed dead on arrival (DOA) must be claimed within 14 business days of delivery. Claims outside of this time frame will not be covered under the Mishimoto Lifetime Warranty.
- ▶ This warranty does not include payment and/or reimbursement of the cost of labor in connection with the removal of any product returned pursuant to the warranty policy or in connection with the installation of any replacement items provided under the warranty policy.
- ▶ Mishimoto has the right to refuse a claim at any time.

- ▶ When Mishimoto accepts a claim, Mishimoto retains full discretion to choose if it will: (i) repair or replace purchaser's original Mishimoto product; (ii) replace purchaser's original Mishimoto product with the most current available model; or (iii) provide the purchaser with a gift card redeemable on Mishimoto.com in the amount of the original purchase price of the original Mishimoto product. The provision of a replacement of a Mishimoto product is subject to availability and Mishimoto retains the right to substitute any warranty claim item with a comparable item or credit at any time.
- ▶ If Mishimoto determines that it will provide a replacement item in connection with a claim under this warranty policy, and such item is out of stock, Mishimoto will place the customer on backorder and ship the replacement product to the purchaser once it becomes available.
- ▶ Mishimoto is not liable for incorrect shipments in connection with a claim if a claim form is completed incorrectly, or if a model number is not included in a claim.
- ▶ If you have a vehicle equipped with an automatic transmission, please make sure to specify this within the text box on the claim form. Mishimoto is not responsible for incorrect replacement shipments if transmission type is not indicated.



WARNING
Cancer and
Reproductive Harm
www.P65Warnings.ca.gov

This product can expose you to chemicals which are known to the state of California to cause cancer. For more information visit: www.p65warnings.ca.gov