Under Cover Fabworks, LLC
undercoverfab.com
sales@undercoverfab.com · (334) 797-7113

# Engine Skid Plate Install Instructions

## '07–'18 Jeep Wrangler JK & Wrangler JK Unlimited



**Included:** engine skid plate, (2) steel front brackets (one per side; they are not mirror images), and the mounting hardware below.

**Hardware:** (2) 3/8"-16 x 1 1/2" hex bolts, (6) 3/8" flat washers and (2) 3/8" lock nuts (brackets to frame); (4) 3/8"-16 x 1" hex bolts, (4) 3/8" flat washers and (4) 3/8" lock nuts (brackets to skid). **Not included:** (3) 1/2"-13 x 1 1/2" bolts for the back of the skid; in many cases these are the bolts already in your cross-member.

**Finish:** all parts ship bare. Paint the steel parts and let them dry fully before you install them, to prevent rust. An aluminum skid can be left bare.

> **The brackets are different side to side.** The driver side bracket is simple, with one bend in the middle. On the '12–'18 JK (3.6L), the passenger side bracket has a reversing bend that clears the transmission cooler lines; watch where the cooler lines sit so they end up on the correct side of the bracket. The '07–'11 passenger bracket doesn't have the reversing bend.
>
> **Oil drain:** the drain hole is slotted so one skid fits both the '07–'11 and '12–'18 JK. The oil drains through a different side of the slot on each.

## Before you begin

**Support the vehicle on jack stands so you have a safe place to work under the engine and transmission. Set the parking brake, and put an automatic transmission in Park or a manual transmission in gear. Install all hardware finger tight until everything is in place, then tighten it all as the last step. Read these instructions all the way through before you start, and call us with any questions. Under Cover Fabworks assumes no liability for accidents from the use (proper or improper) of these instructions.**

## Installation

1. Each bracket goes on its own side (see the note above). On each side, put a 3/8" flat washer on a 3/8"-16 x 1 1/2" hex bolt and drop it down through the rearmost existing hole in the bottom of the motor mount. From below, add a flat washer, the bracket (top hole), another flat washer and a lock nut. Leave it loose so the bracket can move. On a '12–'18 JK, make sure the transmission cooler lines sit on the correct side of the bracket before you go on.
2. Lift the engine skid into place. Line up the two lower holes on each bracket with the holes on the sides of the front of the skid, and install the 3/8"-16 x 1" hex bolts with flat washers and lock nuts. Finger tight for now.
3. Raise the back of the skid to the transmission cross-member. Shift it side to side if needed so it sits flat on the cross-member, and line up the oil drain slot with the drain plug.
4. The back of the skid has (5) mounting holes. Use the (3) that line up with your cross-member; which three depends on the cross-member installed on your Jeep. Bolt them with 1/2"-13 x 1 1/2" bolts, finger tight for now.
5. Once everything is in place, tighten all the 3/8" hardware to 33 ft-lb and the 1/2" rear bolts to 55 ft-lb.

**That's it. Thanks for choosing Under Cover Fabworks. Call or email us with any questions.**