



Installation Instructions  
for  
Engine/Transmission Skid Plate  
for  
2003-2006 Jeep® TJ Wrangler with 4.0L engine

Thank you for purchasing your new Skid Row Offroad engine/transmission skid plate. It is designed to give you peace of mind while traversing even the toughest trails.

Your skid plate package should come complete with the following parts:

- |                                       |  |
|---------------------------------------|--|
| 1. (1) Engine/Transmission Skid Plate | 5. (3) 3/8-16 UNC x 1.0" Carriage Head Bolts |
| 2. (1) Mounting Bracket               | 6. (4) 3/8-16 UNC x 1" Hex Head Bolts        |
| 3. (1) T-Shaped Nut Plate             | 7. (5) 3/8-16 UNC Hex Nut                    |
| 4. (1) Strut Rod                      | 8. (7) 3/8" Lock Washers                     |

**WARNING : Be sure to place jack stands under the vehicle before working underneath it!**



**Step 1:** Automatic transmission models require the removal of the factory transmission skid plate. Remove it first and re-install the nut on the driver's side, lower control arm bolt.

**Step 2:** Verify the position of the passenger side, lower control arm bolt. If the threaded portion of the bolt is facing the inside of the chassis as shown in the photo to the left, simply remove the nut and go to Step 3. Otherwise, to install the skid plate you will need to perform the first step with the vehicle on level ground. It is important that the vehicle is on

level ground so that there is no load on the lower control arm. As shown in the figure to the right, the passenger side, lower control arm bolt needs to be removed and then re-installed with the bolt head to the outside of the chassis. The nut should be left off. It will be re-installed later.



**Step 3:** Take the T-shaped plate with integral nuts and slide it into the driver's side motor mount through the top opening. Once the nuts can be seen through the two holes in the lower side of the motor mount, the tab may be folded over to hold the nuts in position. It is helpful to give the tab a slight arch before inserting it into the motor mount.



**Step 4:** Take the mounting bracket and attach it to the bottom of the motor mount using two of the 3/8-16 bolts with lock washers with the mounting tab to the rear of the vehicle. The view in the picture is looking from the front. **NOTE: The tab MUST be to the rear of the vehicle or control arm damage could result. The**

**strut rod will lean toward the rear of the vehicle when properly installed. This is to assure clearance between the strut rod and the differential housing.**



**Step 5:** Lift the engine skid plate and slide it over the threaded portion of the lower control arm bolt. Position the rear edge of the engine skid plate within the notched out area on the factory transfer case skid plate as indicated by the arrows in the picture to the right.

**Step 6:** Install the nut on the lower control arm bolt to hold the skid plate in position.

**Step 7:** Using a floor jack or vise grips, hold the rear of the engine skid plate tight against the factory transfer case skid plate. Make sure that the

rear edge of the engine skid plate is even with the leading edge of the factory transfer case skid plate. Drill three 3/8" holes through the leading edge of the factory transfer case skid plate.

Step 8: Install the three 3/8-16x 1.0" carriage bolts through the holes just drilled using three lock washers and nuts. Tighten them at this time.



**Step 8:** Take the strut rod and attach it between the mounting bracket and the skid plate. The end of the strut rod with the angled cut should be near the motor mount. Use one 3/8-16 bolt, lock washer, and nut to bolt it to the front of the skid plate and use the remaining bolt, lock washer, and nut to attach it to the mounting bracket on the motor mount.

**Step 9:** Tighten all hardware once everything is fit together. Be sure to tighten the lower control arm nut to the factory recommended torque.



We hope you enjoy your Skid Row Offroad engine/transmission skid plate!

Sincerely,

**The Staff at SFK Manufacturing, LLC**

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