



Installation Instructions
for
Engine/Transmission Skid Plate, JP-4001
for
2002-2007 Jeep® KJ Liberty

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:

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| 1. (1) Engine/Transmission Skid Plate | 8. (3) 5/16"-18 Hex Nuts |
| 2. (1) Mounting Bracket | 9. (3) 5/16" Flat Washers |
| 3. (1) Nut Plate | 10. (3) 5/16" Lock Washers |
| 4. (5) M10-1.50x35mm Hex Head Bolts | 11. (2) 3/8"-16x3" Carriage Head Bolts |
| 5. (5) 10mm Flat Washers | 12. (2) 3/8"-16 UNC Hex Nuts |
| 6. (5) 10mm Lock Washers | 13. (2) 3/8" Flat Washers |
| 7. (3) 5/16"-18x1.0" Carriage Head Bolts | 14. (2) 3/8" Lock Washers |

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

Step 1: Install the mounting bracket on the side of the skid plate with the logo using the three 5/16"-18 carriage bolts, nuts, and washers. The bracket faces away from the skid. Tighten the bolts.

Step 2: If your Jeep has a front skid plate, loosen the four mounting bolts. On 2002-2004 models, also remove the rearmost bolt that is on the angled surface.

Step 3: If your Jeep has a factory transfer case skid plate both of the bolts that hold it to the transmission cross-member will need to be removed. Skip to Step 4.

If your Jeep does not have a factory transfer case skid plate there will not be any bolts or threaded inserts in the transmission cross-member. From below, drill two 3/8" holes through the top of the transmission cross-member through the holes that do not have threaded inserts. You may want to place the skid plate in place to determine where the holes need to be drilled.

Step 4: Lift the engine/transmission skid plate into place with the oil drain hole directly under the engine oil pan. The forward lip is then installed between the factory skid plate and the chassis cross-member. Re-install the bolt that was removed in Step 2.

Step 5: If there are threaded inserts in the transmission cross-member, install two M10-1.50x35mm bolts, lock washers, and flat washers at this time through the rear of the new engine/transmission skid plate. If you had to drill through the cross-member, install two 3/8-16x3" carriage bolts, lock washers, and nuts.

Step 6: Slide the nut plate into the chassis through the large hole in the side of the “chassis” near the bracket install in Step 1. The nut goes toward the front and can be seen through the bracket.

Step 7: Bolt the bracket to the “chassis” using the remaining M10-1.50x35mm bolt, lock washer, and flat washer.

Step 8: Tighten all the bolts and you’re ready to hit the trail! Don’t forget to tighten the bolts on the front and transfer case skids if you loosened them earlier.

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

Sincerely,

The Staff at SFK Manufacturing, LLC

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