



JK ENGINE SKID INSTALLATION INSTRUCTIONS

TOOLS NEEDED

- 7/32" allen
- 9/16" wrench
- 9/16" socket
- 18mm socket or wrench

HARDWARE

- 3/8" x 1" bolts (4)
- 3/8" x 1 1/4" button head bolts (7)
- 3/8" washers (8)
- 3/8" lock washers (4)
- 3/8" nuts (8)
- 3/8 Flange Nut (7)

**Please read the mounting instructions below
carefully before attempting to install.**

Thank you for purchasing your new skid from JcR Offroad! Check out our website, www.jcroffroad.com for other great off-road products. Be sure to rate and review our product online. If you have any questions or are missing parts, please don't hesitate to call us at 269-353-1184 x20!

It is always best to trial install before painting/finishing to ensure proper fit. If we need to make a repair/modification will not be responsible for finishes

1 Hang 3/8" x 1" hex bolts w/ washers in motor mount holes; two per side.



2 Attach side brackets with washers, lock washers, and nuts; again making sure to leave loose.



Driver Side Bracket



Passenger Side Bracket



- 3 Automatic Transmissions Only:** Automatic transmissions will have a bar just in front of the crossmember that will need to be removed. Use the 19mm socket to remove the two frame bolts and one crossmember bolt holding the bar in place. Thread and tighten back in the two frame bolts. Set the crossmember bolt aside for now.



- 4** Remove the two bolts that hold the transfer case skid to the crossmember. Loosen, but do not remove, the transfer case skid mounting mounts at the frame.



- 5** Use a jack to lift the skid plate into place. If you are using the factory transfer case skid, then the engine skid needs to be placed between the factory transfer case skid and the crossmember. If you are running an after market transfer case skid with a flat mount to the crossmember, then you will want to place the engine skid top of the transfer case skid. Thread one of the 12mm transfer case and washer into the middle mounting hole in the engine skid into the crossmember to hold skid in place and keep it loose.



- 6** Insert all four 3/8" button head bolts through the skid into the brackets and thread the flange nuts on the inside. Leave these bolts loose.



- 7** Thread in remaining one or two 12mm x 1.5 bolts and 12mm washers into the crossmember. If you have a manual transmission you will only have the one other 12mm bolt from the transfer case skid. If you would like to mount the third bolt you will need a 12mm x 1.5 fine thread bolt. An alignment bar or large screwdriver may help.



- 8** There are three 3/8 button heads and flange nuts, these are for the exhaust loop skid. If you have purchased the exhaust loop skid, follow those instructions to install now. If not, then you may use these bolts to fill the three mounting holes just ahead of the crossmember on the engine skid.

- 9** Before tightening down all the bolts you will want to check around the front drive shaft to make sure that it is not going to make contact with the skid. If the drive shaft does, then use a bar to shift the skid until it no longer makes contact.

- 10** Tighten all bolts. After 500 miles it's good practice to double check all bolts for tightness. Enjoy your new skid!

- * **NOTE:** We recommend using an Oil Drain Valve and tube to make oil changes easier through the access hole like the F106S from Fumoto.



JKSD-GN – ENGINE SKID PLATE – JK WRANGLER

Item Code Legend
EX: JKSD-GN-PC
-PC : Powdercoated
-BARE : Bare Metal



Additional Parts
NONE



Drivers Side Bracket



Passenger Side Bracket

Bolt Pack:

JKSD-GN-BP:

- 7 - 3/8 X 1 1/4 Button Head
- 7 - 3/8 Flange Nut
- 4 - 3/8 x 1 Hex Bolt
- 8 - 3/8 Flat Washer
- 4 - 3/8 Hex Nut
- 4 - 3/8 Lock Washers
- 3 - 12 mm washers

REVISED: 05/02/16