



Master Your Terrain

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2018- Present JL Wrangler Engine Skid-JKSKEA

Engine Skid Installation

Please read through instructions before starting installation

Congratulations for purchasing TNT, Inc. Engine Skid for your Jeep JL. Begin by unpacking your kit and comparing the contents of the box to the packing list below. Please observe proper shop safety procedures when performing this install. Use proper eye and hearing protection and perform proper shop safety.

Components:

- Skid plate
- Left & Right Struts

Hardware

- 4 ea, 5/16" X 1" bolts
- 4 ea, 5/16" washers
- 4 ea 5/16" clip nut
- 2 ea, 3/8 " x 1" bolts washers and top lock nuts
- 3 bolt protectors
- 1ea, 12mm x 30mm bolt and washer (only used on manual)

Step 1: Start by removing the 3- 12 mm bolts located in the factory exhaust protection crossmember. The factory cross member will not be reused. Remove the 2-12mm bolts holding the front of the transfer case skid plate. Save all hardware as it could be reused later in the install process.

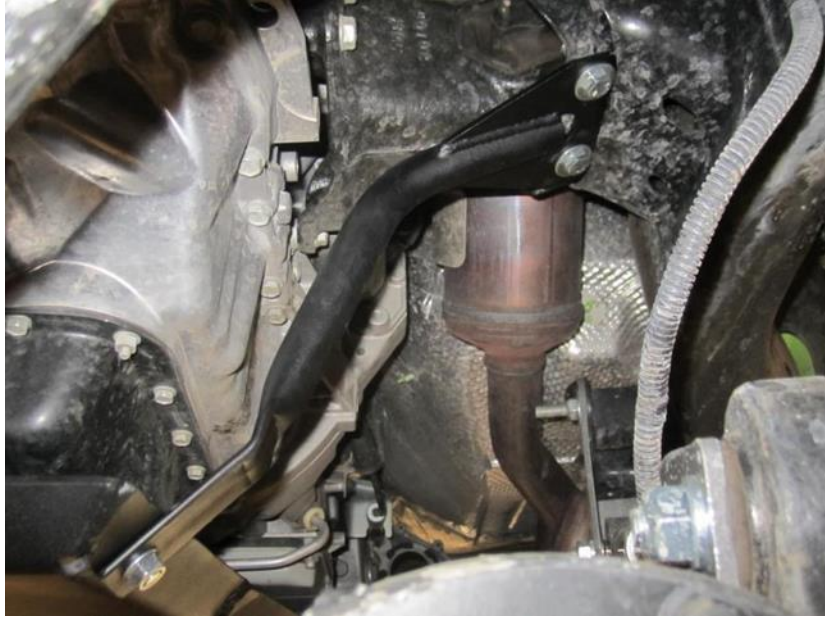


Step 2: Place engine skid over the transmission crossmember and under the transfer case skid plate. Reinstall the 3-12mm bolts with bolt protectors through the engine skid into the factory transmission crossmember. Do not tighten fully at this time. The 2 - 12mm bolts removed from the frame rails will not need to be reinstalled unless using TNT sliders.

NOTE: On manual application use the supplied 12mm bolt to secure the rear most passenger hole in TNT engine skid plate to transmission crossmember. As there is no exhaust protection crossmember bolt to be reused.



Step 3: Select the front tubular frame struts, 2-3/8" x 1" bolts, washers and toplock nuts from the hardware kit. Install the tubular struts by placing the 3/8" X 1" and washer bolt through the engine skid plate from the inside. **The bolt head should be towards the engine oil pan for proper clearance to the oil pan.** Failure to install hardware in the proper placement can result in damage to the oil pan. The curved or bent strut goes on the driver's side. Place the appropriate tubular strut over the bolt threads and secure with a flat washer and locking nut.



Step 4: Select 4-5/16" X 1" bolts and clip nuts from the hardware kit. Install clip nuts in factory holes at engine motor mounts so that bolts can be installed facing up. Secure the struts to the frame side of the engine.

Step 5: Tighten all fasteners.