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## INSTALLATION INSTRUCTIONS for JLG TSP18UL on JL Gas Tank Skid Plate



### HARDWARE KIT:

- 1- Gas Tank Main Skid Plate
- 1- Z Bracket
- 1- Triangle Bracket
- 2- 7/16" x 1" Carriage Bolt
- 4- 7/16" Flat Washers
- 1- 7/16" x 1-1/4" Bolt
- 3- 7/16" Nuts
- 1- 1/2" x 1.5" Button Head Bolt
- 1- 1/2" Flat Washer
- 2- 1-1/2"OD x 9/16"ID x 1-1/4" Long Alum. Spacer
- 1- 1-1/2"OD x 9/16"ID x 1-1/8" Long Alum. Spacer
- 3- 12mm x 60mm x 1.5 Bolt
- 3- 12mm Flat Washer
- 3- 12mm Lock Washers
- 1- 1/4" round spacer

Please read and understand all instructions before beginning the installation of the Skid Plate. Please read the terms and policies on the back of these instructions.

The JLG TSP18UL Gas Tank Skid Plate is designed to fit the following Jeep® vehicles: 2018 to Current JL Unlimited Wranglers. **THIS GAS TANK SKID PLATE IS DESIGNED TO FIT OVER THE FACTORY 14GA. SKID PLATE.**

**STEP 1:** Remove (re-use) factory bolt on the front gas tank passenger side. Bolt (A). Keep the 12mm bolt, you will re-install it. (see picture 1)

**STEP 2:** Remove (re-use) middle factory gas tank bolt (B) located in the middle and on the driver side of the factory gas tank skid plate. Keep the 12mm bolt, you will re-install it. (see picture 3).

**STEP 3: DO NOT REMOVE CROSSMEMBER HOLDING UP THE GAS TANK**

**STEP 4:** Remove the 3 factory bolts along the passenger side of the factory gas tank skid plate (Location C,D &E). You will not reuse these bolts. You will use the 3 each M.O.R.E. supplied 12mm x 60mm bolts, flat washers and lock washers later. See picture 1

**STEP 5:** Slip the front of the Gas Tank Skid Plate in place and insert factory 12mm bolt in location (A) with the 1/4" round spacer between the crossmember and the Gas Tank Skid Plate. Leave loose for now. If using with our JKOPSP, slip the front of the Gas Tank Skid Plate under the JKOPSP.

**STEP 6:** Lift up the rear of the Gas Tank Skid Plate leaving 2" from making contact with the factory skid plate. This will allow you to install the bottom of the Triangle bracket to the M.O.R.E. Gas Tank Skid Plate using the 2 each 7/16"x 1 carriage bolts to the M.O.R.E. Gas Tank Skid Plate. (see picture 5)

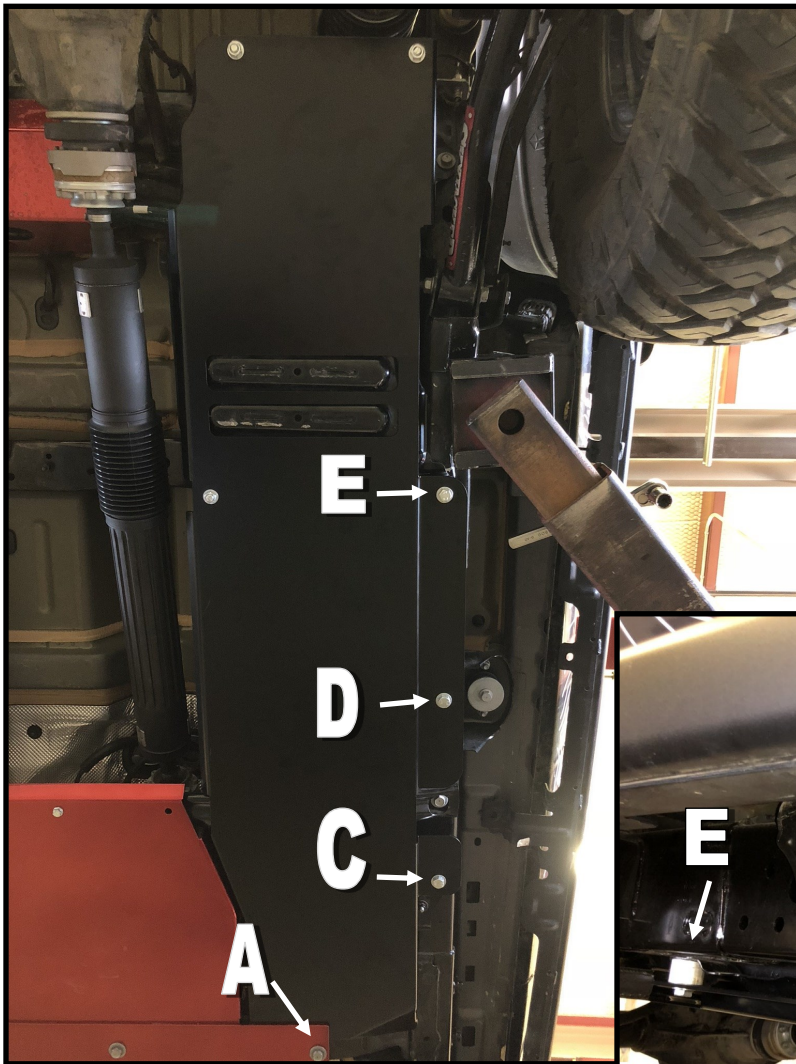
**STEP 7:** The top of the Triangle bracket will set on top of and will bolt to and through the hole in the top coil bucket using the 7/16" x 1-1/4" bolt, flat washers and nut. (see picture 3)

**STEP 8:** Attach the Z bracket to the middle (driver side) of the M.O.R.E. Gas Tank Skid plate using the 1/2" button head bolt and flat washer. The bolt will go up through the Skid Plate and into the welded nut on the Z bracket. The round hole of the Z bracket will attach where you removed factory bolt (B). Leave all bolts loose for now. (see picture 4)

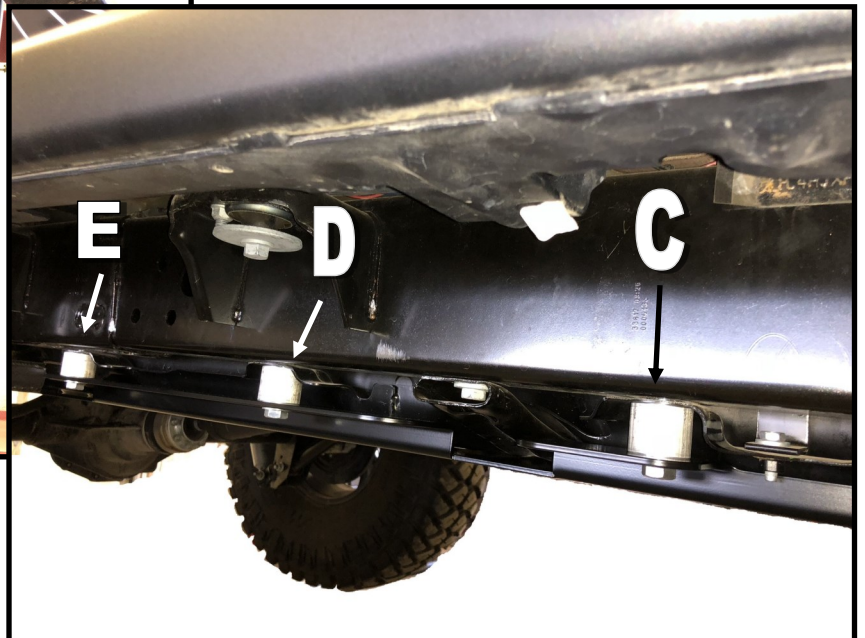
**STEP 9:** Attach the two 1-1/4" long aluminum tube spacers to location C & D using two 12mm x 60mm bolts, flats and locking washers. (see picture 2)

**STEP 10:** Attach one 1-1/8" long aluminum tube spacers to location E using two 12mm x 60mm bolts, flats and locking washers. (see picture 2)

**STEP 11:** Tighten all bolts.



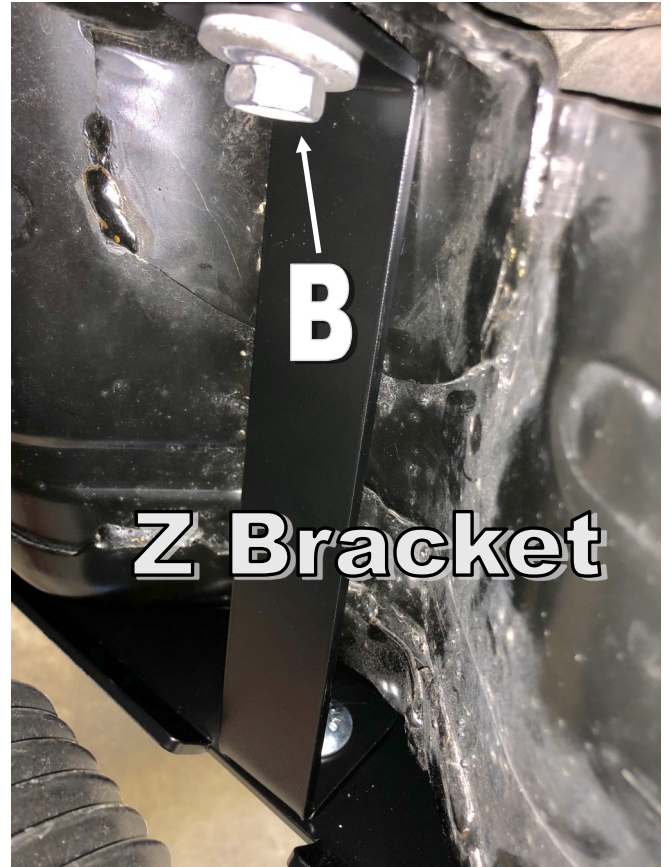
Picture 1



Picture 2



Picture 3



Picture 4



**Triangle Bracket**

Picture 5



TERMS-POLICIES:

**FIT** and **TOLERANCES:** This skid plate is the result of countless hours of research, testing, fitting and refining. Jeep® frames have a wide tolerance on bolt hole centers from frame to frame. This is why M.O.R.E.™ has installed “slots” in which to mount them. In addition to the factory tolerances, most people install other than factory equipment such as suspension lift kits, bumpers, etc. M.O.R.E.™ has done the best job we can to insure that our parts fit with all of the possibilities. However, you may find it necessary to grind, elongate, bend, or force these parts to fit on your rig. Please use common sense when installing these parts and let us know how we can improve them.

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