

Kilby Enterprises

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Installation instructions for installing the KE-GTSP1-PC into your Jeep TJ.

Tools Needed

- Deep well and short 1/2" sockets
- Long extension (12" long should do)
- Phillips and Flat tip screwdrivers
- Floor Jack
- Hammer
- Shop rags
- Wire Cutters
- A Friend

Before attempting to replace your skid plate, please read all of these instructions thoroughly. I also suggest reading the Factory Service Manual to read the procedures on how to release the fuel pressure in the fuel line. This high pressure line has to be disconnected at the gas tank in order to remove the gas tank from the vehicle. It is not a difficult task to do, however Kilby Enterprises will not be responsible for any damage to the vehicle if the proper procedures are not followed. If in doubt, please hire a competent shop to perform the installation. As always, please use common sense when working around gasoline. No open flames and no cigarettes. Wear proper eye protection when necessary.

Removal

1. Disconnect the negative battery cable.
2. Remove the gas cap and the 8 screws holding the bezel in place. Replace the gas cap to keep dirt out of the tank.
3. Cut zip tie holding the axle vent tube to the filler hose.
4. Using a flat tip screw driver, remove the ground strap attached to the top of the drivers side shock mount. You can access this between the frame and the body.
5. Disconnect the electrical connector at the front left corner of the gas tank. Slide the red clip to the side then separate the two connectors.
6. Disconnect the EVAP hose by twisting and pulling. Be careful you don't bend the steel tube.

The next step requires disconnecting the high pressure line. If you haven't released the pressure in the fuel system, now is the time to do it. Otherwise, gas will leak out of this connector when you release it. Make sure you are not directly under the connection when you disconnect this line.

7. Disconnect the high pressure line by using your fingers and pinching the two plastic tabs together and separating the connection. Do not use tools to do this. Damage may occur to the plastic tabs.
8. Position your floor jack under the center of the factory skid plate to support the weight of the tank. Remove the 3 front nuts and 4 rear nuts that hold the factory skid plate to the frame. Do not remove the 2 strap nuts at this time.
9. Slowly lower the tank assembly while guiding the filler hoses around the frame. This is where a friend comes in handy.
10. Do a trial fit. Before installing the gas tank in your new skid, lift the empty Kilby skid up into the Jeep to check for fit. Some TJ owners may have to bend the front stand-alone mount toward the rear of the Jeep to allow the stud to line up correctly. If an adjustment is necessary, use a hammer to slightly bend the mount approx. 1/4"-1/2" and re-check the fit.

Installation

11. Remove the 2 nuts holding the straps in place. Make a note of the placement of the fuel lines and disconnect the drivers side vent hose that is connected to the roll-over valve. Raise the two straps without bending them and lift the tank out of the factory skid plate. Discard the factory skid. Slide the 2 straps in the Kilby skid, holding them straight up while placing the fuel tank into the new skid. Insert the strap studs into the holes and tighten the nuts. **Do not over tighten!** Due to the new shape of your skid plate, you will not have to thread the nuts as far up the stud as the factory skid setup was. Tighten them enough to secure the tank and keep it from moving. Don't forget to re attach the vent hose for the roll-over valve.
12. Raise the new skid assembly into the Jeep while guiding the filler hoses between the frame and body. When getting close to the top, tilt the skid backward to allow the front mount to clear the track bar while lifting it higher. Once the front mount is clear, reposition the skid and continue to lift. Be careful that you don't pinch the 2 hoses or connector while lifting it.
13. Loosely install the 7 skid plate nuts. Slide the Kilby skid as far back as you'd like it and tighten these 7 nuts to 141 inch lbs. Remove the floor jack.
14. Re-connect the high pressure hose by sliding the 2 fittings together until a click is heard. Re-connect the EVAP hose and electrical connector. Don't forget to slide the red clip into place.
15. Zip tie the axle vent hose to the filler hose and reconnect the ground strap to the drivers side upper shock mount.
16. Reinstall the fuel filler bezel and reconnect the battery.
17. Start the engine and check for any fuel leaks.