

# TERRA FLEX

## PRODUCT INSTALLATION GUIDE

### TJ SPEED BUMPS

Part # 1958700

Part # 1958720



**THIS KIT IS  
DESIGNED TO  
WORK ON A TJ  
WITH 4+” OF LIFT**

#### **Important Notes:**

*Prior to beginning this or any installation read these instructions to familiarize yourself with the required steps and evaluate if you are experienced and capable to personally perform these modifications.*

*Refer to the parts list to ensure that all necessary components and hardware has been included. If any parts are missing please contact your local retailer for assistance.*

#### **Tools Needed:**

13, 14, 15, 17mm sockets and wrenches

3/16” allen wrench

2 5/8” hole saw

Drill

Die grinder

Measuring tape

Grinder

Welder

Cutting torch or equivalent

Silicon

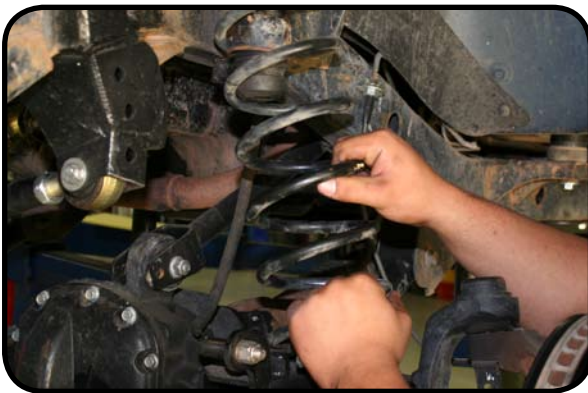
Hammer

## Front Installation

1. Jack up front end of vehicle so the front suspension will drop as far as possible and support with jack stands. Remove wheels.
2. Place jack under front axle and jack up slightly to remove the shock bolts at the axle side using an 13mm socket.



3. Once bolts are removed, lower jack so the front springs can be removed. If springs are still tight and will not come out you can remove more suspension components like sway bar links and track bar.



4. Remove the bump stop by pulling it away from the frame.



5. Remove the jounce cup with a 17mm socket.



6. Remove the spring isolator.
7. Measure from the taper on the jounce tube 3/4" down and mark with a paint pen.



8. Cut the jounce tube with a cut off wheel, this cut is made to locate the hole saw. You may need to pry the jounce tube towards the frame to completely cut through the tube.



9. Drill a 2 5/8" hole saw through the jounce tube.



10. You may need to use a die grinder to open up the hole to get the hole saw to cut through the second layer.



11. After you have cut through both layers grind the jounce tube flat to ensure a good fit and weld with the new Speedbump bracket.



12. Prep the new Speedbump bracket for welding.



13. Tack weld the new Speedbump bracket into place.



14. Once the bracket is in its final location, finish welding it into place. Paint all of the welding areas.



15. Install the new coil spring isolator.



16. Smear silicon onto the Speedbump to protect it from water entering the void in between the Speedbump and the mount.



17. Install the Speedbump into the mount. Place the collar on top and use a 3/16" allen to torque the pinch bolt. Wipe the excess silicon away with a damp cloth.



18. Install the new bump stop pads by drilling out the center of the spring pad with a 5/16 drill bit and tap to 3/8"-16. To determine what pad height to use depends on how long your shocks are and how big your tires are. Make sure that the bump stop adjustments are correct for your vehicle. Refer to the diagram in the back for more details.
19. Reinstall the coil spring.



20. Reinstall the shocks, sway bar links and track bar if they were removed.

## Rear Installation

21. Place jack under the rear axle and jack up slightly to remove the shock bolts at the axle side using an 15mm and 18mm socket.
22. Remove the coil spring.



23. Remove or protect anything that may melt or burn do to the heat from cutting such as brake lines and electrical wires.



24. Cut off the old coil perch using a torch or cut off wheel.



25. Grind the frame flush so that the new TeraFlex Speedbump coil perch mounts correctly.



26. Jack up on the axle to locate where the new coil perch needs to mount. Place the mount on the frame and align it so that the Speedbump will contact the center of the spring perch.



27. Mark around the mount. This will be where you need to prep the frame for welding.



28. Prep the bracket for welding.



29. Tack the bracket into place. Make sure that the bracket lines up to the axle. Once you have the bracket located correctly weld it in completely and paint all of the welded or raw areas.



30. Install the new coil spring isolator.  
31. Smear silicon onto the Speedbump to protect it from water entering the void in between the Speedbump and the mount.  
32. Install the Speedbump into the mount. Place the collar on top and use a 3/16" allen to torque the pinch bolt through the access hole. Wipe the excess silicon away with a damp cloth.



33. Install the new bump stop pads by drilling out the center of the spring pad with a 5/16 drill bit and tap to 3/8"-16. To determine what pad height to use depends on how long your shocks are and how big your tires are. Make sure that the bump stop adjustments are correct for your vehicle. Refer to the diagram in the back for more details.  
34. Reinstall the coil spring.



35. Reinstall the shocks, sway bar links and track bar if they were removed.

