

# TERAFLEX

*Applications:*

HSKT- for applications with 4-6" of lift

HSKY- for applications with over 6" of lift

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## **Installation Guide for the High Steer System (HSKT, HSKY)**



*Take every precaution to make this installation a safe procedure. Make safety the number one priority with any suspension or lift installation. This kit was designed for the Dana 30 front axle, models 1991 and newer.*

1. Raise and support the front axle so that the front tires are off of the ground. Remove wheels.
2. Measure the tie rod from center of mounting point to center of mounting point on each knuckle. Write this measurement down, you will use this to help approximate the new toe-in.
3. Remove all steering components from the vehicle; tie rod, drag link and pitman arm.

*Note: Identify the location and direction of the pitman arm when you remove it from the vehicle. The new pitman arm will be installed in the same position.*

#### **PASSENGER SIDE DISASSEMBLY:**

4. Remove the 2 brake caliper bolts, then the caliper and brake rotor.
5. Remove the 3 wheel bearing bolts, and pull the unbearing/axle shaft assembly from the vehicle.
- Note: If the axle housing starts to leak, stuff a rag inside the tube to prevent axle fluid from leaking.*
6. Remove the top and bottom ball joint nuts on the knuckle, and remove the knuckle from the vehicle.

#### DRIVER SIDE:

7. Using a reamer, taper the driver's side knuckle tie rod hole to the proper specifications. Make sure the hole is then clean of burrs, and fragments.

#### REASSEMBLY:

8. Reinstall the new TeraFlex High Steer Knuckle. Torque ball joint nuts as specified in the Jeep Service Manual.

9. Install the tie rod to both knuckles, using the measurements taken earlier as a guide.

10. Install the new pitman arm in the same position as the old pitman arm.

11. Install the drag link from knuckle to pitman arm.

12. Reassemble all other components removed in earlier steps in the reverse order they were removed.

13. Check all bolts and nuts for proper torque specifications, and use cotter pins where required.

14. Reinstall wheels and lower vehicle to the ground.

15. After installation of the TeraFlex High Steer System, it is imperative that the front end alignment angles be checked. It is recommended that your TJ be taken to a reputable alignment shop that understands 4WD vehicles and has experience with their alignment parameters. DO NOT drive the vehicle until this procedure has been performed!

16. After 500 miles check all bolts and jam nuts, and re torque if necessary.



The completed kit will look like this (HSKT shown).