

1986-1995 Toyota 4wd Heim Steering Installation PT# 95099

Factory manual is recommended for removal and re-installation of all factory components.

Tie Rod Removal

1. Put truck on jack stands, remove front wheels.
2. Remove cotter pins from tie rod and idler arm bolts. Remove and discard tie rod ends and coupler. Remove steering center link from vehicle for drilling out the 5/8" holes. Remove steering arm and clean surface for welding.

Installation of Heim Steering Kit

1. Drill tie rod holes on center link out to 5/8" (.625") A drill press is preferable.
2. Sand mounting surface flat on the steering arms if there are any bumps or dents. Sand surface where you will weld the gussets.
3. Press in tapered sleeve to steering arm and bolt heim joint and steering arm gusset to steering arm for mock up. Then tack weld the gusset to the steering arm.
4. Remove heim joint and weld gusset to steering arm and paint.
5. Bolt centerlink back on vehicle to the idler arm and the pitman arm.
6. Bolt heim joint (HRSMX10T) and the spacer to the backside of the centerlink. The spacer gets placed between the centerlink and the heim joint. On older vehicles where some frame movement or shifting has occurred the head of the bolt holding the heim to the centerlink may rub the frame. Clearance the head of the bolt accordingly.
7. Bolt steering arm to spindle and bolt heim joint (JMXL12T) to the steering arm.
8. Thread the jam nuts onto the heim joints, then thread on new tie rods.
9. Tighten all hardware and install a new cotter pin to the idler arm bolt.
10. Bolt wheels on to do the alignment and tighten jam nuts on tie rods. Inspect these items periodically for any loose hardware.



| Part Number | Description | Quantity |
|-------------|--|----------|
| 99021 | Chromoly Tie Rod, Gen1 & Gen2 w/Heim Upgrade 12 1/2" | 2 |
| 11373 | Nut, 3/4"-16 RHT Jam | 2 |
| 11375 | Nut, 3/4"-16 LHT Jam | 2 |
| 10135 | Bolt, 5/8"-18 x 3.50" Grade 8 | 2 |
| 12104 | Washer, 5/8" SAE | 2 |
| 11102 | Nut, 5/8"-18 C-lock | 2 |
| 10035 | Bolt, 1/2"-20 x 3.50" Grade 8 | 2 |
| 12003 | Washer, 1/2" AN | 2 |
| 12004 | Washer, 1/2" SAE | 2 |
| 11001 | Nut, 1/2"-20 Nylock | 2 |
| 59505 | Steering Arm Gusset/86-95 4wd Toyota | 1 |
| FK-JMXL12T | LHT 3/4 x 3/4 Heim | 2 |
| FK-HRSMX10T | RHT 5/8 x 3/4 High Angle | 2 |
| 69212 | 1/2" Tapered Sleeve, Heim Steering Upgrade | 2 |
| 30605 | 5/8" Heim Spacer | 2 |
| 13412 | 3/4"-1/2" Hi-misalignment Spacer | 4 |