



1987 - 1996
Jeep Wrangler YJ
Single Steering Stabilizer

REQUIRED TOOL LIST:

- Safety Glasses
- Metric / Standard Wrenches & Sockets
- Tape Measure
- Torque Wrench

Component Box Breakdown:

Part #: 7109 / 9109

| Item # | Description | Qty | Item # | Description | Qty |
|--------|--|-----|---------|---|-----|
| 7900WS | WHITE STEERING DAMPER (Included With 7109) | 1 | BTIE-K | BLACK BOOT TIE (Included With 9109) | 1 |
| 9900WS | SILVER STEERING DAMPER (Included With 9109) | 1 | HSS | HYDRO SHOCK DECAL (Included With 7109) | 1 |
| B10RS | RED BOOT (Included With 7109) | 1 | SSD | SILVER STABILIZER DECAL (Included With 9109) | 1 |
| B10KS | BLACK BOOT (Included With 9109) | 1 | HB-7109 | HARDWARE BAG: 7109 / 9109 | 1 |
| BTIE | RED BOOT TIE (Included With 7109) | 1 | I-7109 | INST SHEET: 7109 / 9109 | 1 |

Hardware Bag Breakdown:

Part # HB-7109

| Item # | Description | Qty | Item # | Description | Qty |
|------------|------------------------------|-----|---------------|----------------------|-----|
| 83031 | MAIN BRACKET | 1 | 38SAEW | 3/8 SAE WASHER | 2 |
| 83161 | TIE ROD BRACKET | 1 | 516CTN | 5/16 COARSE LOCK NUT | 4 |
| 38X312FTB | 3/8 X 3 1/2 FINE THREAD BOLT | 2 | 516SAEW | 5/16 SAE WASHER | 4 |
| 516X1X134U | 5/16 X 1 X 1 3/4 U-BOLT | 2 | STEM BUSH-SST | STEM BUSHING | 4 |
| 38FTN | 3/8 FINE LOCK NUT | 2 | 142120 | STAB WASH PKG | 2 |

Installation:

1. Park the vehicle on a level concrete or asphalt surface with the front tires / wheels pointing straight forward.
2. Set the emergency brake & block the rear tires / wheels.
3. Place the new Skyjacker straight frame bracket against the inside of the passenger side frame directly above the drag link. **Note:** There may be a rubber frame shield, which is clipped at this spot. If so, pull the shield at the corner & it should come loose.
4. Mark, center punch, & drill the two mounting holes in the frame using a 3/8" drill bit. **Note:** Move any hoses or lines that may get in the way of drilling as not to damage them during the drilling process.
5. Install the new Skyjacker frame bracket using the supplied 3/8" x 3 1/2" bolt, washers, & nuts. Reconnect frame shield.
6. Install the supplied boot & plastic tie onto the new Skyjacker steering stabilizer. Mount the new Skyjacker angled bracket to the drag link (this is the link going to the pitman arm), loosely, using the supplied u-bolts, washers, & nuts.
7. Attach the body end of the new Skyjacker steering stabilizer to the new main bracket using the supplied bushings, washers, & nut. Pull the steering stabilizer shaft out 4" & attach the new steering stabilizer to the new angled bracket using the supplied bushings, washers, & nut. Tighten the new angled bracket.

Final Notes:

- After the installation is complete, double check that all nuts & bolts are tight. Refer to the following chart for the proper torque specifications. (Do not retighten the nuts & bolts where thread lock compound was used.)
- Cycle the steering of the vehicle left to right & check all parts for adequate clearance.
- After the first 100 miles, check all of the hardware for the proper torque & periodically thereafter.

TORQUE SPECIFICATIONS

| <u>INCH SYSTEM</u> | | | <u>METRIC SYSTEM</u> | | |
|---------------------------|----------------|----------------|-----------------------------|------------------|-------------------|
| Bolt Size | Grade 5 | Grade 8 | Bolt Size | Class 8.8 | Class 10.9 |
| 5/16 | 15 FT LB | 20 FT LB | 6MM | 5 FT LB | 9 FT LB |
| 3/8 | 30 FT LB | 35 FT LB | 8MM | 18 FT LB | 23 FT LB |
| 7/16 | 45 FT LB | 60 FT LB | 10MM | 32 FT LB | 45 FT LB |
| 1/2 | 65 FT LB | 90 FT LB | 12MM | 55 FT LB | 75 FT LB |
| 9/16 | 95 FT LB | 130 FTLB | 14MM | 85 FT LB | 120 FT LB |
| 5/8 | 135 FT LB | 175 FT LB | 16MM | 130 FT LB | 165 FT LB |
| 3/4 | 185 FT LB | 280 FT LB | 18MM | 170 FT LB | 240 FT LB |

• The above specifications are not to be used when the bolt is being installed with a bushing.

Seat Belts Save Lives, Please Wear Your Seat Belt.