



## Removal and Installation Instructions Warn Standard Manual Hub

**1989-1998 Suzuki Sidekick, Suzuki Vitara, Suzuki Escudo  
1989-1998 Geo/Chevy Tracker**

### I. REMOVE EXISTING HUBS

The Warn Standard Manual Hub can be used to replace the existing Manual or Automatic Locking Hubs.

Remove the existing hardware, a M6 Hex Head.

Some factory hubs are installed with locking cones for the hardware, which can be difficult to remove. Two methods that can be used to dislodge the locking cones are:

1. Place a socket slightly larger than the cone against the hub flange and rap sharply with a hammer, or,
2. Place a brass punch on the end of the stud and rap sharply with a hammer.

Discard bolts and locking cones (if applicable). New hardware is provided with the Replacement Hubs.

### II. PREPARE THE WHEEL END

1. Verify that the wheel bearing adjustment is correct and that the lock nut is tightened to the vehicle manufacturer's specification. A special spindle nut tool is required to perform this operation. Two different types of spindle nuts have been used, either requires a different tool than the other.
2. Repack the wheel bearings if necessary, per Vehicle Manufacturers Specifications.
3. Scrape any debris or gasket material off of the hub mounting surface of the wheel end.

### III. INSTALLATION AND TEST

**Note:** Warn Hubs are assembled at the factory with the proper amount of grease.

1. Verify that pilot O-ring is installed on the hub body assembly in the pilot O-ring groove.
2. Verify that the hub is in "Free" Mode. Install the hub onto the axle shaft.
3. Install the socket head capscrews (quantity 6 provided for each hub, 12 total ). Tighten finger tight.
4. Using an 6 mm Socket Head driver (Allen Head), *Torque the Mounting bolts to 18-25 ft- lb (250-380 kg-cm).*
5. **TO CHECK FOR PROPER ENGAGEMENT**, dial both hubs to LOCK and raise the front left corner of the vehicle off the ground. Spin the lifted tire. The drive-line will turn if the hub is engaging properly.
6. **TO CHECK FOR PROPER DISENGAGEMENT**, dial the lifted wheel hub into FREE and spin the lifted wheel. If the drive-line does not turn **AND NO** ratcheting sound is heard, the hub is disengaging properly. Repeat step 5-6 with the right wheel & hub.

### SERVICE INSTRUCTIONS

These Warn OEM Replacement Hubs do not require any additional servicing,

**DO NOT PACK THE HUBS WITH GREASE, THE HUBS WILL NOT FUNCTION PROPERLY.**

It is recommended that both hubs be turned to lock and the vehicle driven for at least 1 mile/ 1.6 km per month or per Vehicle Manufacturers specification. This procedure is used to lubricate the differential gear-set and bearings. It is not necessary to engage the transfer case for this lubrication to occur.