

REASSEMBLY

NOTICE:

When using a vise, do not overtighten it.

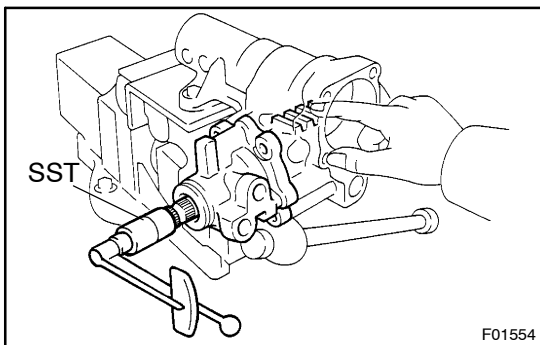
1. COAT WITH POWER STEERING FLUID OR MOLYBDENUM DISULFIDE LITHIUM BASE GREASE
(See page SR-98)

2. INSTALL WORM GEAR VALVE BODY ASSEMBLY

- (a) Coat 2 new O-rings with power steering fluid and install them to the gear housing.
- (b) Install the valve body assembly into the gear housing.

NOTICE:

- Ensure that the power piston nut does not come off the worm shaft.
 - Be careful not to damage the teflon ring.
- (c) Torque the 4 bolts.
Torque: 61 N·m (620 kgf·cm, 45 ft·lbf)



- (d) Using SST and a torque wrench, check the valve body assembly rotating torque.

SST 09616-00010

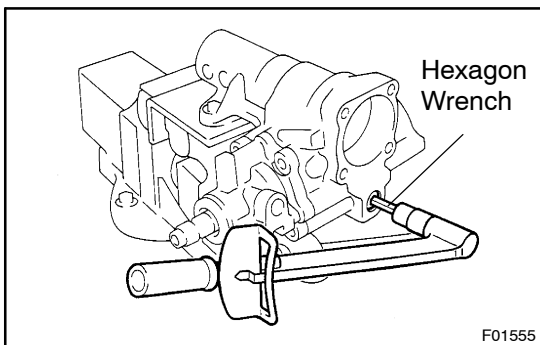
Rotating torque:

0.3 – 0.5 N·m (3 – 5.5 kgf·cm, 2.6 – 4.8 in·lbf)

HINT:

Hold the worm gear to prevent it from turning.

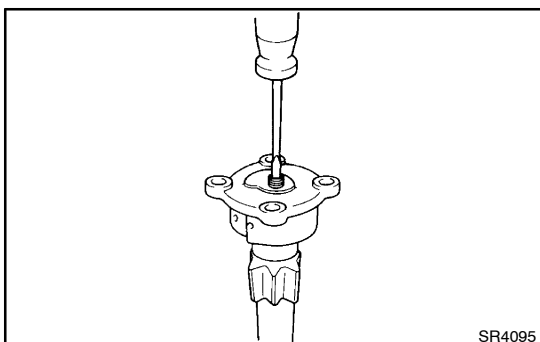
If rotating torque is not correct, replace the worm gear valve body assembly.



3. INSTALL POWER PISTON PLUNGER GUIDE, POWER PISTON PLUNGER, SPRING AND POWER PISTON PLUNGER GUIDE NUT

- (a) Coat a new O-ring with power steering fluid and install it to the plunger guide nut.
- (b) Using a hexagon wrench, torque the plunger guide nut.

Torque: 20 N·m (205 kgf·cm, 15 ft·lbf)

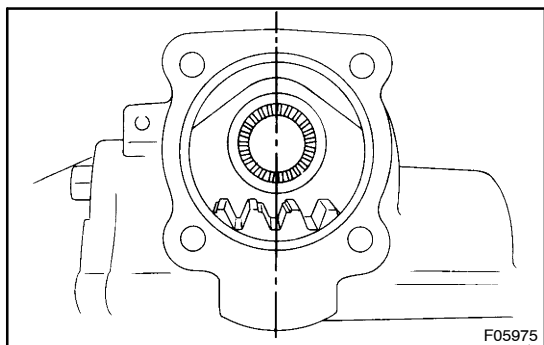


4. INSTALL SECTOR SHAFT AND SIDE COVER

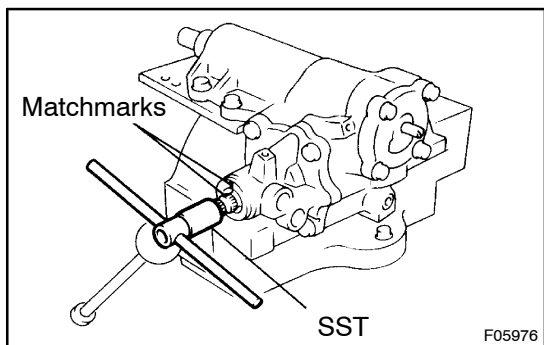
- (a) Coat a new O-ring with power steering fluid and install it to the side cover.
- (b) Using a screwdriver, assemble the sector shaft to the side cover.

HINT:

Fully loosen the sector shaft adjusting screw.

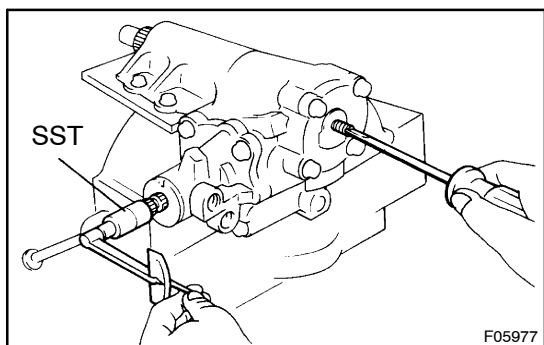


- (c) Set the worm gear at the center of the gear housing.
- (d) Install and push the sector shaft into the gear housing so that the center teeth mesh together.
- (e) Torque the 4 bolts in a diagonal pattern.
Torque: 61 N·m (620 kgf·cm, 45 ft·lbf)



5. DETERMINE CENTER POSITION

- (a) Using SST, turn the worm gear valve body shaft so full lock in both directions and determine the exact center.
SST 09616-00010
- (b) Place matchmarks on the worm gear valve body shaft and gear housing to show neutral position.



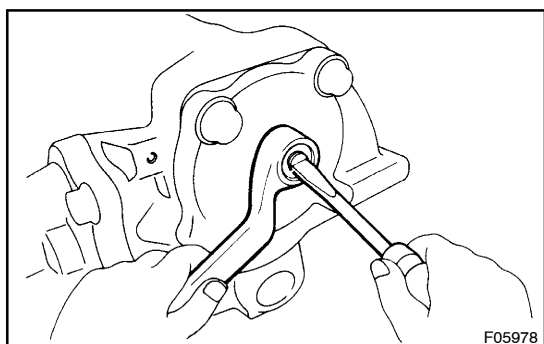
6. ADJUST TOTAL PRELOAD

- (a) Install SST with a torque wrench on the worm gear valve body shaft.
SST 09616-00010
- (b) Turn the adjusting screw until the preload is within the specification.

Preload (Turning):

0.74 – 1.08 N·m (7.5 – 11 kgf·cm, 6.5 – 9.5 in·lbf)

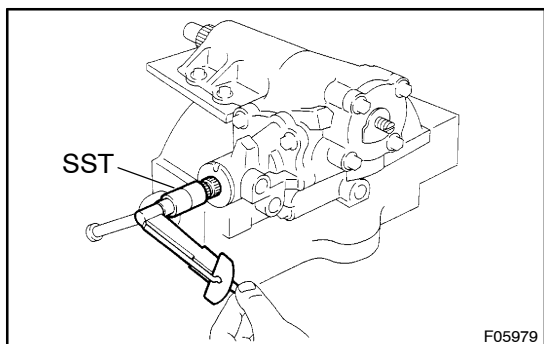
7. INSTALL NEW SEAL WASHER



8. INSTALL ADJUSTING SCREW LOCK NUT

Torque the lock nut while holding the sector shaft adjusting screw.

Torque: 46 N·m (470 kgf·cm, 34 ft·lbf)



9. CHECK TOTAL PRELOAD

Using SST and a torque wrench, check the total preload.

SST 09616-00010

Total preload (Turning):

0.74 – 1.08 N·m (7.5 – 11 kgf·cm, 6.5 – 9.5 in·lbf)