

INSPECTION

NOTICE:

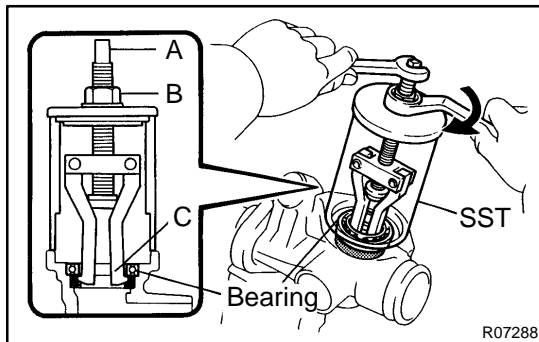
When using a vise, do not overtighten it.

1. INSPECT STEERING RACK

- (a) Using a dial indicator, check the rack for runout and for teeth wear or damage.

Maximum runout: 0.30 mm (0.0118 in.)

- (b) Check the back surface for wear or damage.



2. IF NECESSARY, REPLACE OIL SEAL AND BEARING

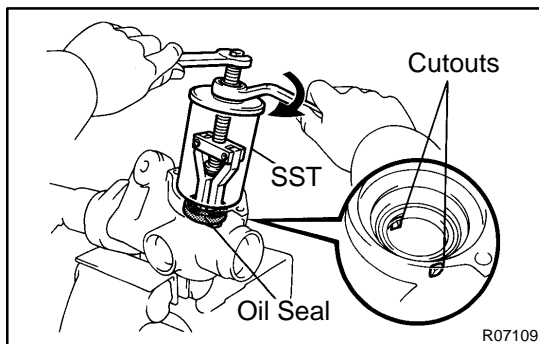
- (a) Set SST to the rack housing, as shown in the illustration.
SST 09612-30012

- (b) Turn A clockwise and engage the tips of C on the bearing.

- (c) Using a spanner (8 mm), keep A fixed while turning nut B clockwise, and remove the bearing.

NOTICE:

Be careful not to damage the rack housing.



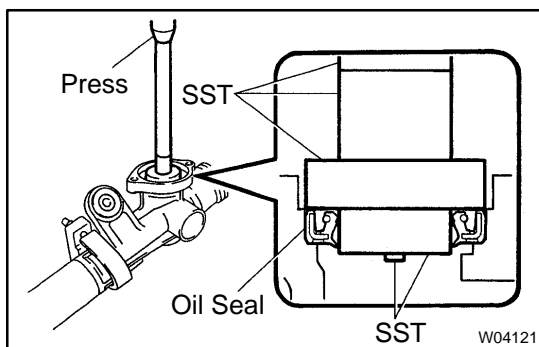
- (d) Using SST, remove the oil seal from the rack housing.
SST 09612-30012

NOTICE:

Be careful not to damage the rack housing.

HINT:

When using SST, apply the tips of SST to the cutouts in the rack housing.



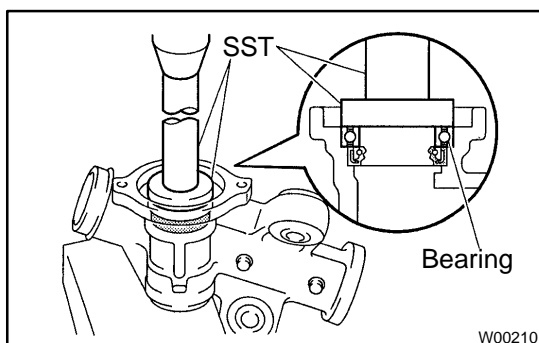
- (e) Coat a new oil seal lip with power steering fluid.

- (f) Using SST, press in the oil seal.

SST 09950-60010 (09951-00280, 09951-00400, 09952-06010), 09950-70010 (09951-07100)

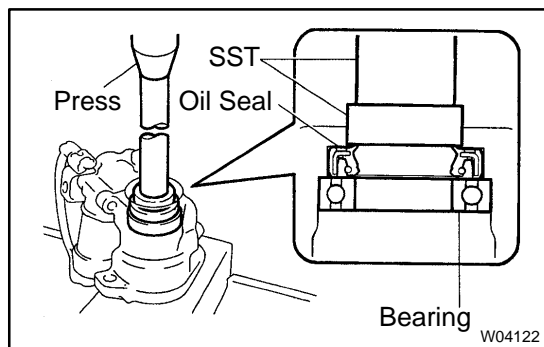
NOTICE:

Make sure to install the oil seal facing the correct direction.



- (g) Using SST, press in the bearing.

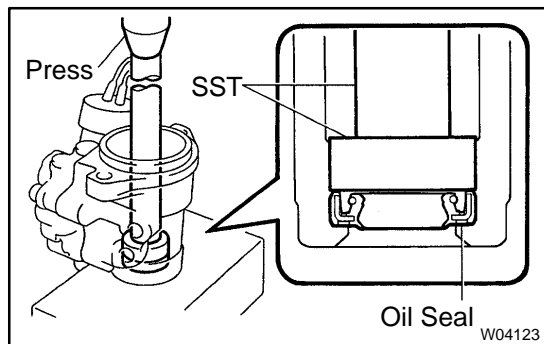
SST 09950-60010 (09951-00460), 09950-70010 (09951-07100)



3. IF NECESSARY, REPLACE OIL SEAL AND BEARING

- (a) Using SST, press out the oil seal with the bearing from the control valve housing.

SST 09950-60010 (09951-00240),
09950-70010 (09951-07100)



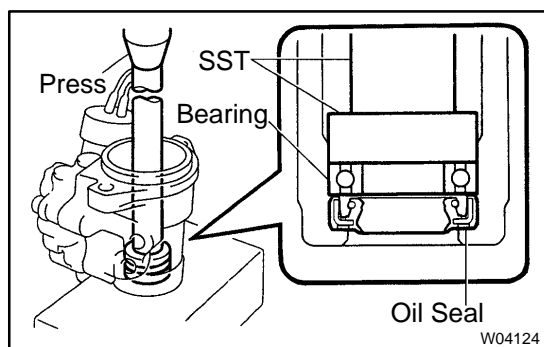
- (b) Coat a new oil seal lip with power steering fluid.

- (c) Using SST, press in the oil seal.

SST 09950-60010 (09951-00320),
09950-70010 (09951-07200)

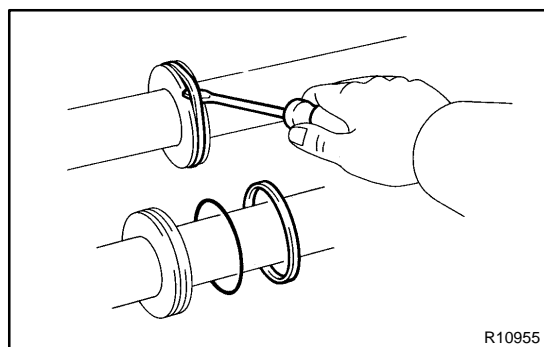
NOTICE:

Make sure to install the oil seal facing the correct direction.



- (d) Using SST, press in the bearing.

SST 09950-60010 (09951-00340),
09950-70010 (09951-07200)



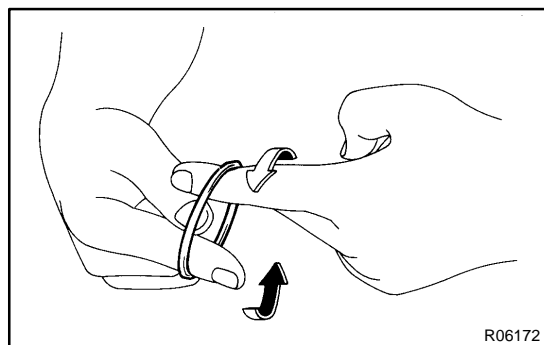
4. IF NECESSARY, REPLACE TEFLON RING AND O-RING

- (a) Using a screwdriver, remove the teflon ring and O-ring from the steering rack.

NOTICE:

Be careful not to damage the groove of the ring.

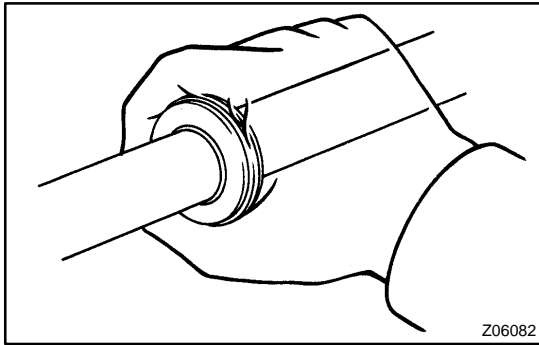
- (b) Coat a new O-ring with power steering fluid and install it.



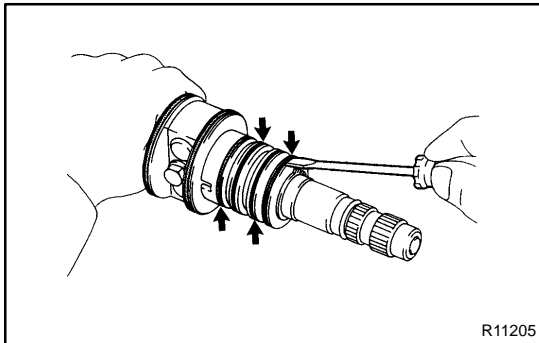
- (c) Expand a new teflon ring with your fingers.

NOTICE:

Be careful not to overexpand the ring.



- (d) Coat the ring with power steering fluid.
- (e) Install the ring to the rack, and settle it down with your fingers.



5. IF NECESSARY, REPLACE TEFLON RINGS

- (a) Using a screwdriver, remove the 4 rings from the control valve assembly.

NOTICE:

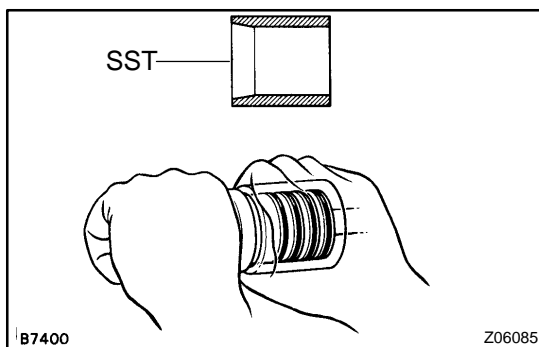
Be careful not to damage the grooves for the ring.

- (b) Expand 4 new rings with your fingers.

NOTICE:

Be careful not to overexpand the ring.

- (c) Coat the rings with power steering fluid.
- (d) Install the rings to the control valve assembly, and snug them down with your fingers.

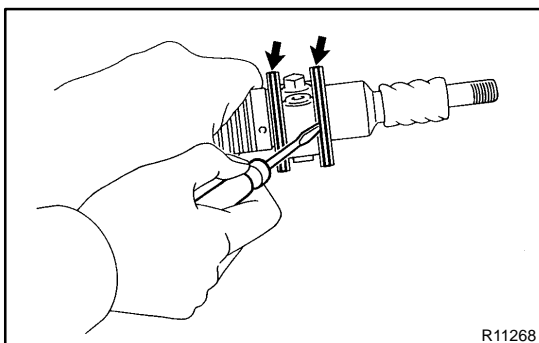


- (e) Carefully slide the tapered end of SST over the rings to the seal them.

SST 09631-20081

NOTICE:

Be careful not to damage the rings.



6. IF NECESSARY, REPLACE TEFLON RINGS AND O-RINGS

- (a) Using a screwdriver, remove the 2 teflon rings and O-rings from the control valve assembly.

NOTICE:

Be careful not to damage the grooves for the teflon ring.

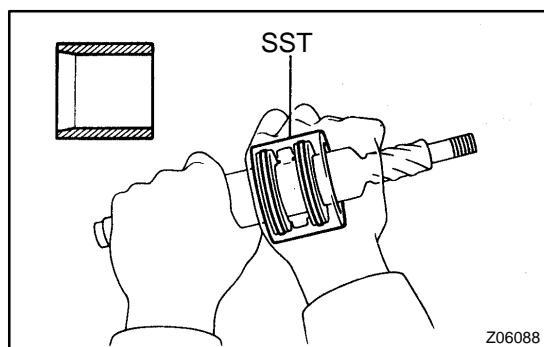
- (b) Coat 2 new O-rings with power steering fluid, and install them.

- (c) Expand 2 new teflon rings with your fingers.

NOTICE:

Be careful not to overexpand the teflon rings.

- (d) Coat the rings with power steering fluid.
 (e) Install the rings to the valve assembly, and settle them down with your fingers.



- (f) Carefully slide the tapered end of SST over the teflon rings to seal them.

SST 09631-32020

NOTICE:

Be careful not to damage the teflon rings.

7. IF NECESSARY, REPLACE PRESSURE CONTROL VALVE ASSEMBLY

- (a) Using a hexagon wrench (6 mm), remove the 3 bolts and connector bracket.
 (b) Remove the 3 O-rings from the control valve housing.
 (c) Coat 3 new O-rings with power steering fluid, and install them.
 (d) Using a hexagon wrench (6 mm), install a new pressure control valve and connector bracket with the 3 bolts.

Torque: 18 N·m (185 kgf-cm, 13 ft-lbf)