

INSPECTION

NOTICE:

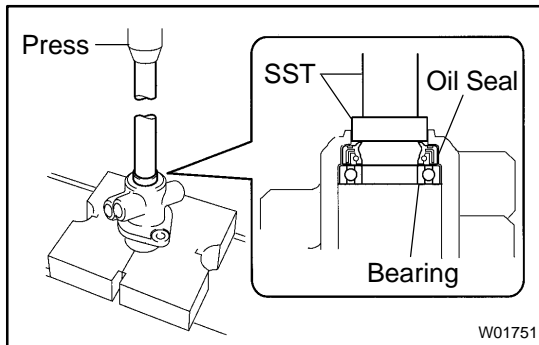
When using a vise, do not overtighten it.

1. INSPECT STEERING RACK

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

Maximum runout: 0.3 mm (0.0118 in.)

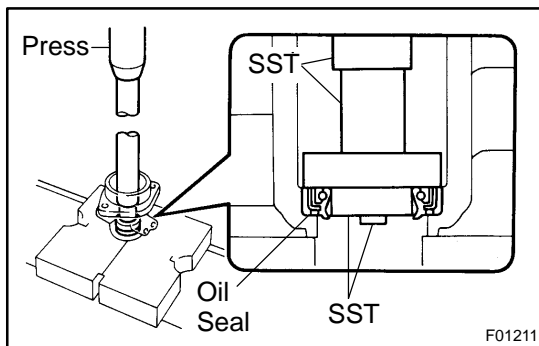
- (b) Check the back surface for wear and damage.



2. IF NECESSARY, REPLACE OIL SEAL AND BEARING

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

SST 09950-60010 (09951-00260),
09950-70010 (09951-07150)



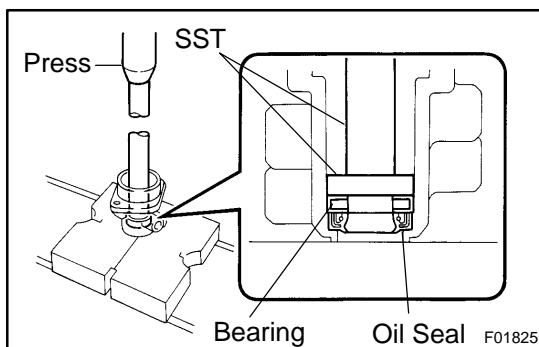
- (b) Coat a new oil seal lip with power steering fluid.

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

SST 09950-60010 (09951-00180, 09951-00330,
09952-06010), 09950-70010 (09951-07150)

NOTICE:

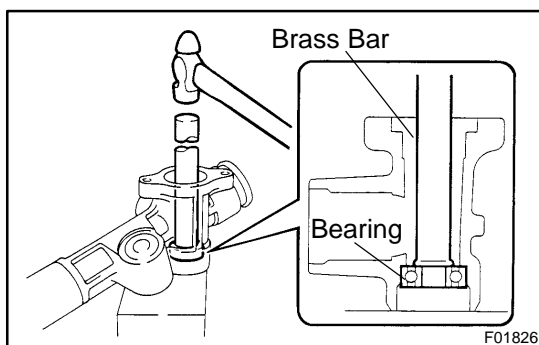
Make sure to install the oil seal facing the correct direction.



- (d) Coat a new bearing with molybdenum disulfide lithium base grease.

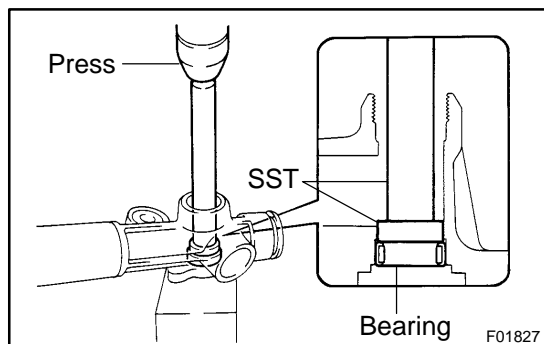
- (e) Using SST, press in the bearing.

SST 09950-60010 (09951-00330),
09950-70010 (09951-07150)

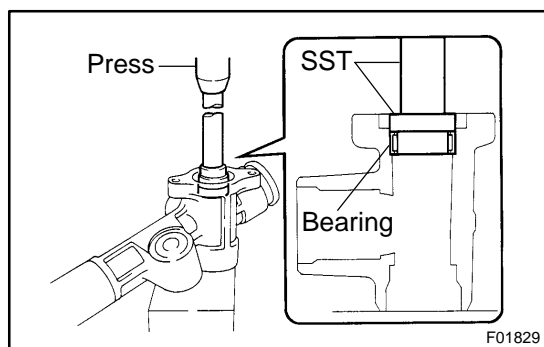


3. IF NECESSARY, REPLACE 2 BEARINGS

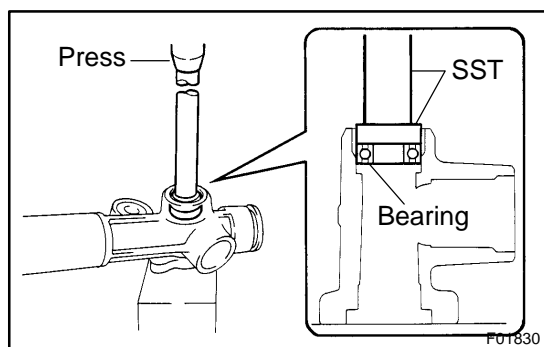
- (a) Using a brass bar and hammer, tap out the bearing from the rack housing.



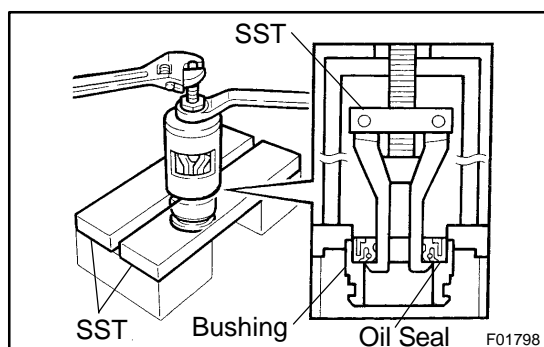
- (b) Using SST, press out the bearing from the rack housing.
SST 09950-60010 (09951-00260),
09950-70010 (09951-07200)



- (c) Coat a new bearing with molybdenum disulfide lithium base grease.
(d) Using SST, press in the bearing.
SST 09950-60010 (09951-00310),
09950-70010 (09951-07200)



- (e) Coat a new bearing with molybdenum disulfide lithium base grease.
(f) Using SST, press in the bearing.
SST 09950-60010 (09951-00320),
09950-70010 (09951-07200)

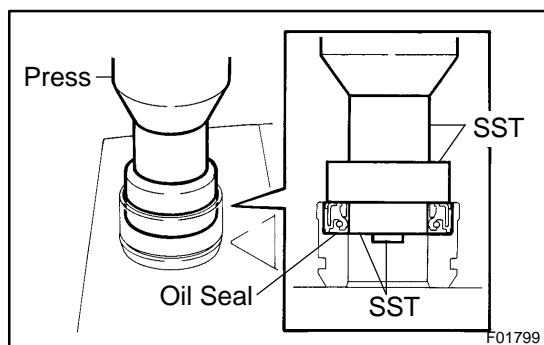


4. IF NECESSARY, REPLACE OIL SEAL

- (a) Using SST, remove the oil seal from the bushing.
SST 09527-20011, 09612-24014 (09613-22011)

NOTICE:

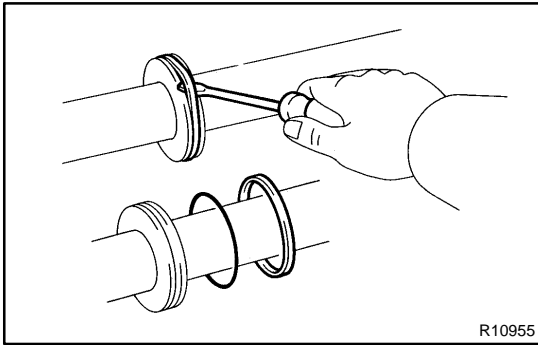
Be careful not to damage the bushing.



- (b) Coat a new oil seal lip with power steering fluid.
(c) Using SST, press in the oil seal.
SST 09950-60010 (09951-00240, 09951-00400,
09952-06010)

NOTICE:

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



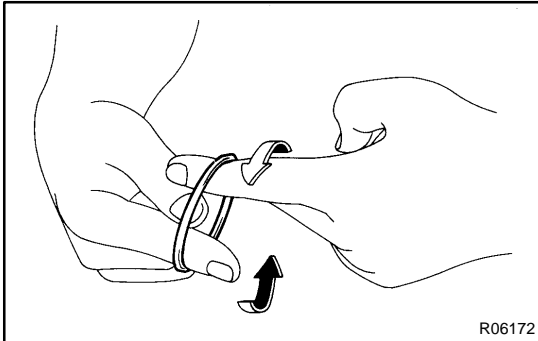
5. IF NECESSARY, REPLACE TEFLON RING AND O-RING

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

NOTICE:

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

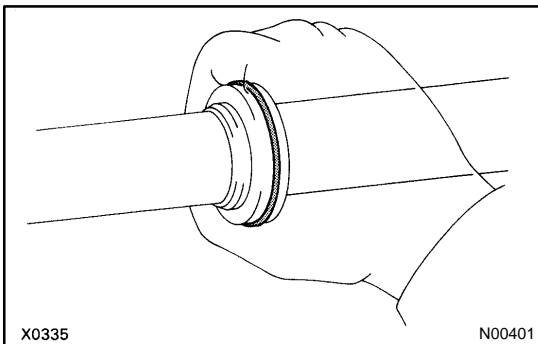
- (b) Coat a new O-ring with power steering fluid and install it.



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

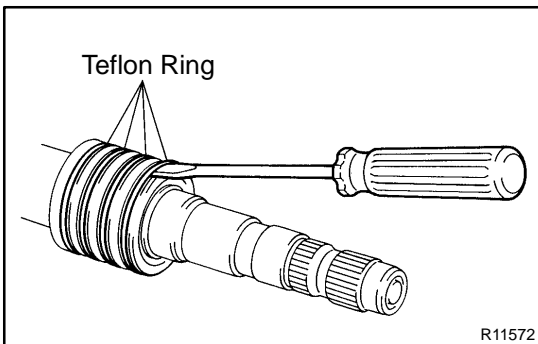
NOTICE:

Be careful not to over-expand the ring.



- (d) Coat the teflon ring with power steering fluid.

- (e) Install the teflon ring to the steering rack, and settle it down with your fingers.



6. IF NECESSARY, REPLACE TEFLON RINGS

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

NOTICE:

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

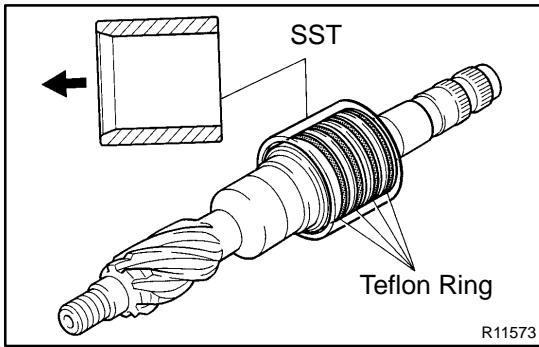
- (b) Expand 4 new teflon rings with your fingers.

NOTICE:

Be careful not to over-expand the teflon ring.

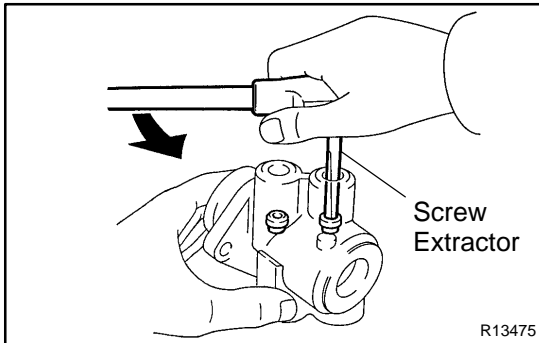
- (c) Coat the teflon rings with power steering fluid.

- (d) Install the teflon rings to the control valve assembly, and settle them down with your fingers.



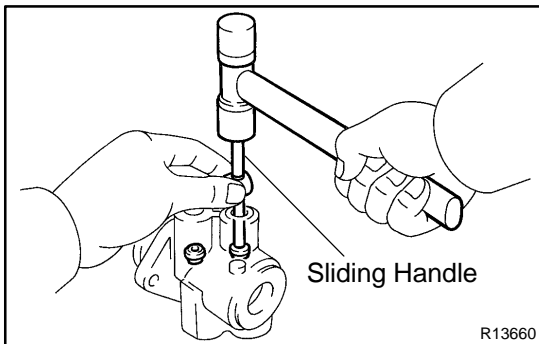
- (e) Carefully slide the tapered end of SST over the teflon rings until the rings fit to the steering rack.
SST 09631-20081

NOTICE:
Be careful not to damage the rings.



7. IF NECESSARY, REPLACE UNION SEATS

- (a) Using a screw extractor, remove the 2 union seats from the control valve housing.



- (b) Using a plastic hammer and sliding handle, lightly tap in 2 new union seats.

NOTICE:
Before installing the union seat, remove dust sticking to the control valve housing.