

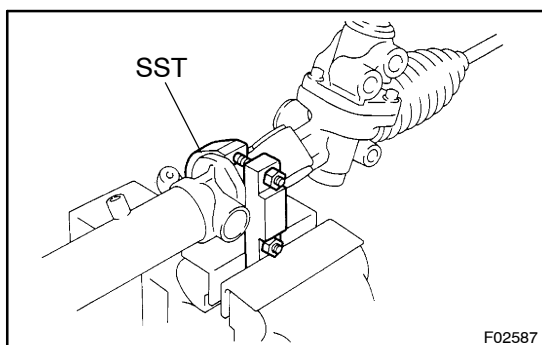
DISASSEMBLY

NOTICE:

When using a vise, do not overtighten it.

1. REMOVE 2 TURN PRESSURE TUBES

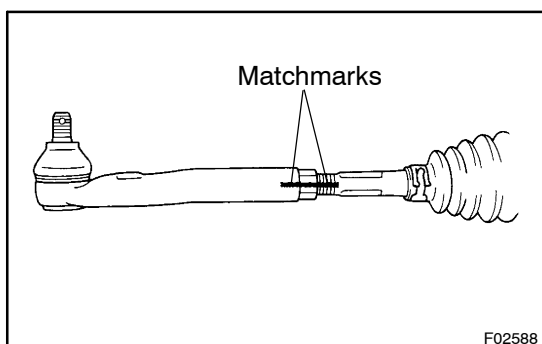
- Using SST, remove the tube.
SST 09633-00020
- Remove the union seat from the rack housing.



2. SECURE PS GEAR ASSEMBLY IN VISE

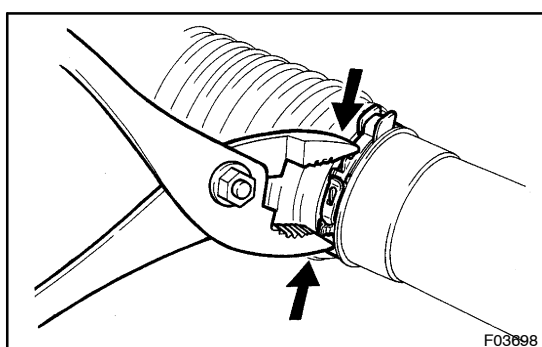
Using SST, secure the gear assembly in a vise, as shown in the illustration.

SST 09612-00012



3. REMOVE RH AND LH TIE ROD ENDS AND LOCK NUTS

Place matchmarks on the tie rod end and rack end.

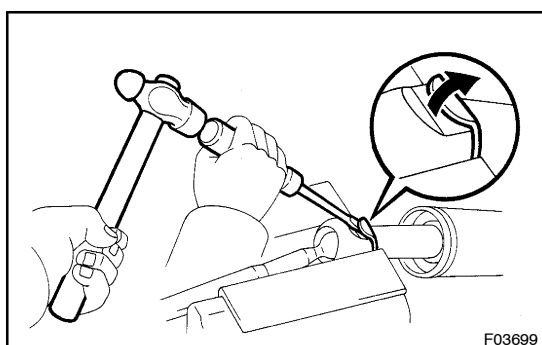


4. REMOVE RH AND LH CLIPS, RACK BOOTS AND CLAMPS

Using pliers, loosen the clamp, as shown in the illustration.

NOTICE:

- Be careful not to damage the boot.
- Mark the RH and LH boots.

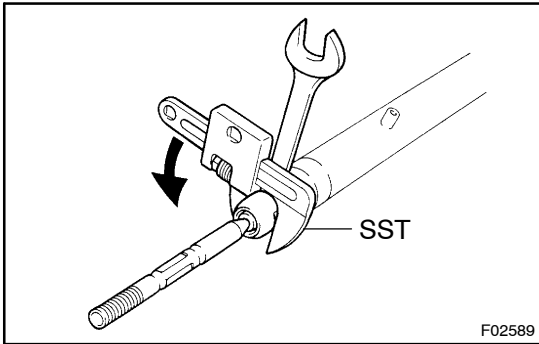


5. REMOVE RH AND LH RACK ENDS AND CLAW WASHERS

- Using a screwdriver and hammer, stake back the washer.

NOTICE:

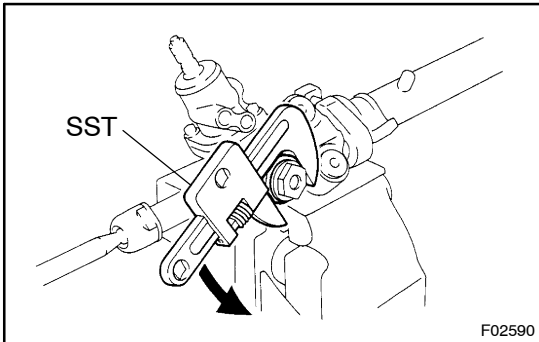
Avoid any impact to the steering rack.



- (b) Using a spanner to hold the steering rack steady, and using SST, remove the rack end.
SST 09922-10010

NOTICE:

- Use SST 09922-10010 in the direction shown in the illustration.
- Mark the RH and LH rack ends.

**6. REMOVE RACK GUIDE SPRING CAP LOCK NUT**

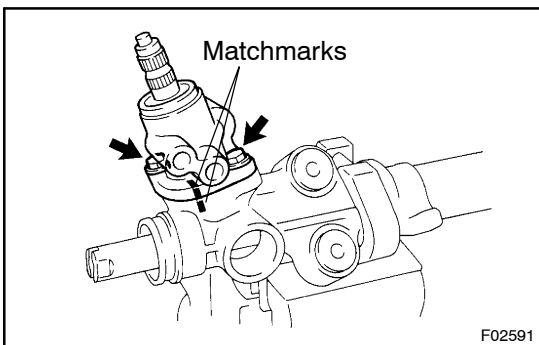
Using SST, remove the nut.

SST 09922-10010

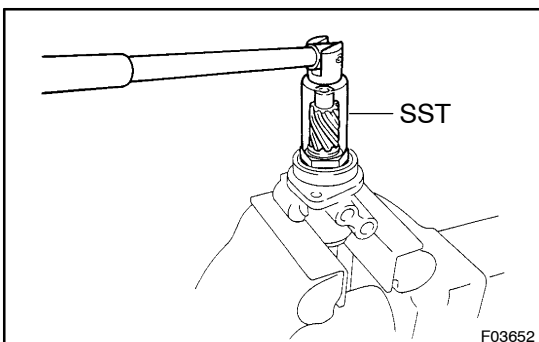
NOTICE:

Use SST 09922-10010 in the direction shown in the illustration.

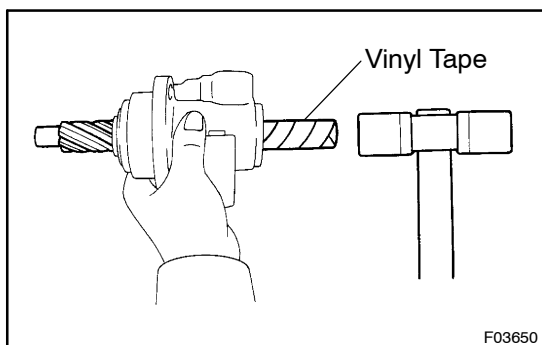
- 7. REMOVE RACK GUIDE SPRING CAP**
- 8. REMOVE RACK GUIDE SPRING AND RACK GUIDE SUB-ASSEMBLY**
- 9. REMOVE DUST COVER**

**10. REMOVE CONTROL VALVE HOUSING WITH CONTROL VALVE ASSEMBLY**

- Place matchmarks on the valve housing and rack housing.
- Remove the 2 bolts.
- Pull out the control valve assembly with the valve housing.
- Remove the O-ring from the rack housing.

**11. REMOVE CONTROL VALVE ASSEMBLY**

- Using SST, loosen the bearing guide nut.
SST 09631-20060



- (b) Wind vinyl tape to the control valve shaft.
- (c) Using a plastic hammer, tap out the valve assembly with the nut from the control valve housing.

NOTICE:

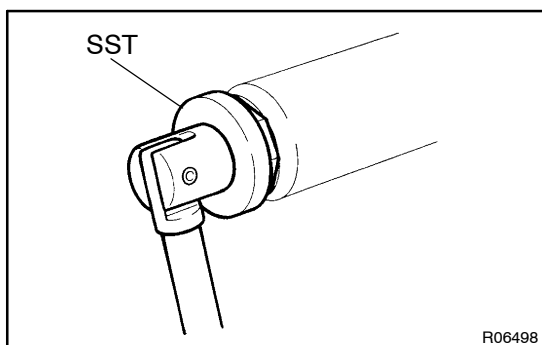
Be careful not to damage the oil seal lip.

- (d) Remove the nut from the valve assembly.

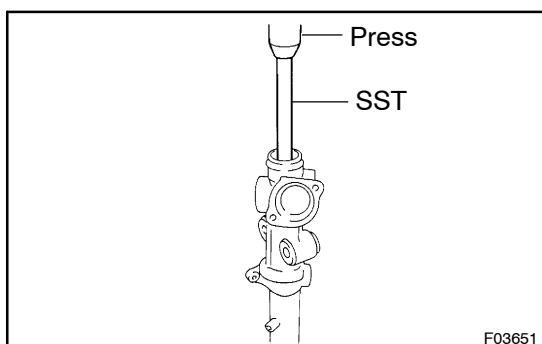
NOTICE:

Be careful not to damage the oil seal lip.

- (e) Remove the O-ring from the nut.

**12. REMOVE CYLINDER END STOPPER AND SPACER**

- (a) Using SST, remove the stopper.
SST 09631-20090
- (b) Remove the O-ring from the stopper.

**13. REMOVE STEERING RACK AND OIL SEAL**

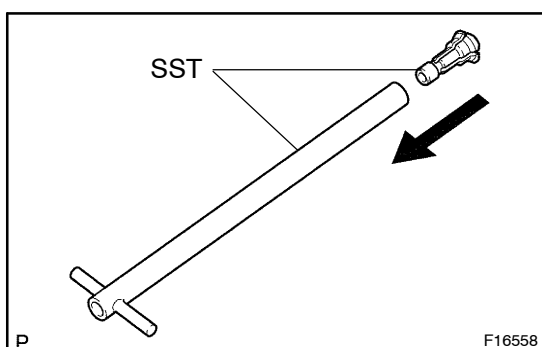
- (a) Using SST, press out the rack and oil seal.

NOTICE:

Take care not to drop the rack.

SST 09950-70010 (09951-07200)

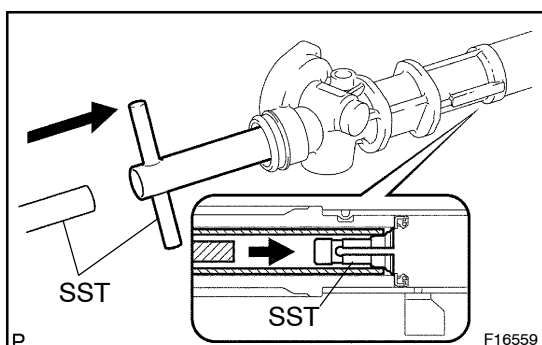
- (b) Remove the oil seal from the rack.

**14. REMOVE OIL SEAL**

- (a) Install SST (09612-07130) on SST (09612-07210).
SST 09612-70100 (09612-07130, 09612-07210)

NOTICE:

- Before using them, apply a small dab of grease to the inside wall of SST (09612-07210, 09612-07130).
- To prevent the inside of the housing from being damaged securely install SST 09612-07130) on SST (09612-07210).

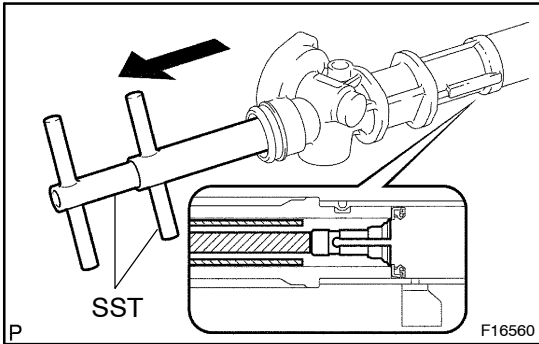


- (b) Diagonally insert SST (09612-07210) into the housing until it contacts with the oil seal, and then further insert the SST (09612-07210) until the tip of SST (09612-07220) contacts with SST (09612-07130).

SST 09612-70100 (09612-07130, 09612-07210, 09612-07220)

NOTICE:

Do not damage the inside of the housing.



- (c) Secure SST (09612-07220), and pull SST (09612-07210) to place SST (09612-07130) in the housing.

SST 09612-70100 (09612-07130, 09612-07210, 09612-07220)

HINT:

Place SST on the chamfering position between the oil seal and rack housing.

- (d) Remove the SST (09612-07210, 09612-07220).

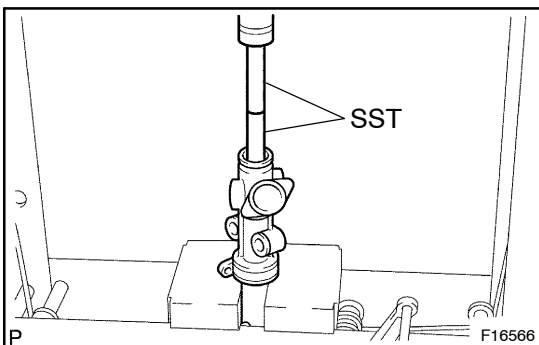
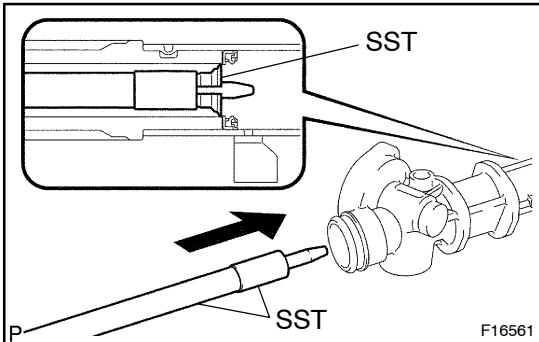
SST 09612-70100 (09612-07210, 09612-07220)

- (e) After installing SST (09612-07240) on SST (09612-07210), insert the tip of SST (09612-07230) in the service hole of SST (09612-07130).

SST 09612-70100 (09612-07130, 09612-07230, 09612-07240)

NOTICE:

- Before using them, apply a small dab of grease to the tip of SST (09612-07230).
- To prevent SST (09612-07130) from being damaged, be sure to install SST (09612-07240).
- Do not damage the inside of the rack housing.



- (f) Install SST (09951-07100) on SST (09612-07230) and remove the oil seal using a press.

SST 09612-70100 (09612-07130, 09612-07230, 09612-07240), 09950-70010 (09951-07100)

NOTICE:

Do not damage the rack housing.

HINT:

Replace SST (09951-07100) with SST that is different in length in the set, if necessary.