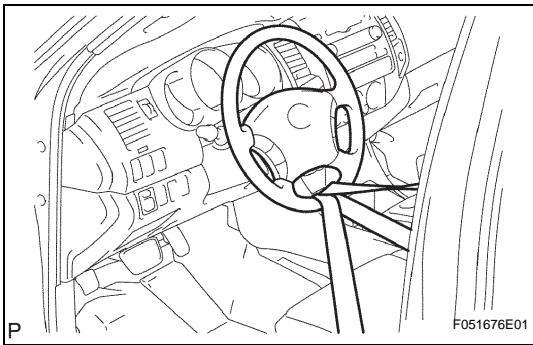


REMOVAL

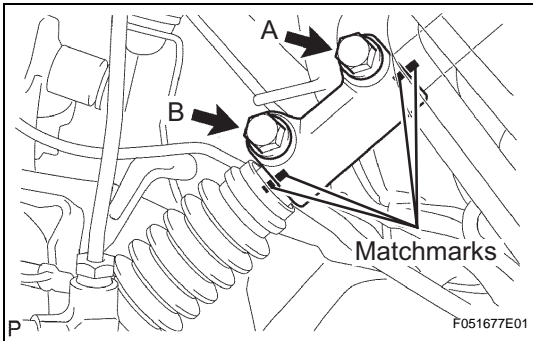
1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL
2. PLACE FRONT WHEELS FACING STRAIGHT AHEAD
3. REMOVE FRONT WHEELS
4. REMOVE ENGINE UNDER COVER SUB-ASSEMBLY NO. 1
5. REMOVE EXHAUST PIPE ASSEMBLY FRONT (for 2TR-FE) (See page [EX-2](#))
6. REMOVE EXHAUST FRONT PIPE ASSEMBLY NO. 2 (for 1GR-FE) (See page [EX-3](#))
7. REMOVE EXHAUST PIPE ASSEMBLY FRONT (for 1GR-FE) (See page [EX-3](#))
8. REMOVE PROPELLER SHAFT ASSEMBLY FRONT (for 4WD) (See page [PR-16](#))
9. REMOVE PROPELLER SHAFT ASSEMBLY (for Regular Cab Pre-Runner) (See page [PR-3](#))
10. REMOVE PROPELLER WITH CENTER BEARING SHAFT ASSEMBLY (for Except Regular Cab Pre-Runner) (See page [PR-8](#))
11. REMOVE PROPELLER SHAFT ASSEMBLY (for Regular Cab 4WD) (See page [PR-22](#))
12. REMOVE PROPELLER WITH CENTER BEARING SHAFT ASSEMBLY (for Except Regular Cab 4WD) (See page [PR-27](#))
13. REMOVE FRAME CROSSMEMBER SUB-ASSEMBLY NO. 3 (See page [MT-10](#))
14. SEPARATE FRONT STABILIZER LINK ASSEMBLY LH (See page [SP-21](#))
15. SEPARATE FRONT STABILIZER LINK ASSEMBLY RH
HINT:
The removal procedure for the RH side is the same as that for the LH side.
16. REMOVE FRONT STABILIZER BRACKET NO. 1 LH (See page [SP-50](#))
17. REMOVE FRONT STABILIZER BRACKET NO. 1 RH
HINT:
The removal procedure for the RH side is the same as that for the LH side.
18. REMOVE FRONT STABILIZER BAR

**19. REMOVE STEERING INTERMEDIATE SHAFT NO. 2**

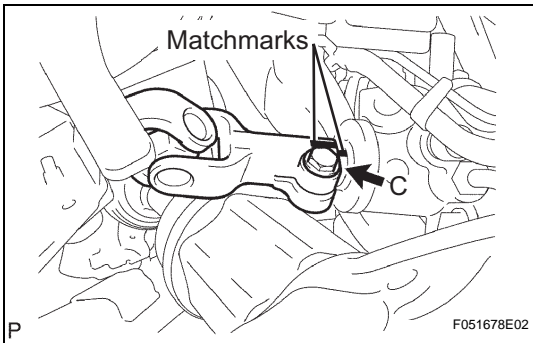
- (a) Fix the steering wheel with the seat belt in order to prevent it from rotating.

HINT:

The operation is effective for preventing any damage to the spiral cable.



- (b) Place matchmarks on the steering sliding yoke, steering intermediate shaft No. 2 and steering intermediate shaft.
 (c) Remove bolts A and B from the steering sliding yoke.
 (d) Slide the steering sliding yoke up and separate it from the steering intermediate shaft No. 2.
 (e) Pull down the steering sliding yoke from the steering intermediate shaft to remove it.



- (f) Place matchmarks on the steering intermediate shaft No. 2 and power steering link.
 (g) Remove bolt C from the steering intermediate shaft No. 2.
 (h) Slide the steering intermediate shaft No. 2 up and remove it from the power steering link.

20. SEPARATE TIE ROD END SUB-ASSEMBLY LH

- (a) Remove the cotter pin and nut.

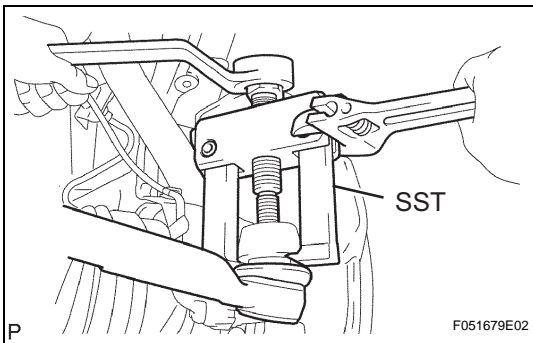
- (b) Using SST, separate the tie rod end from the steering knuckle arm.

SST 09628-62011

21. SEPARATE TIE ROD END SUB-ASSEMBLY RH

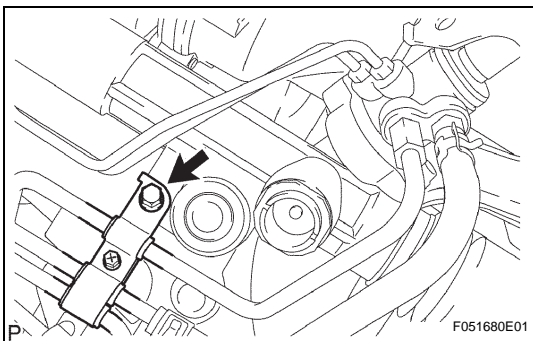
HINT:

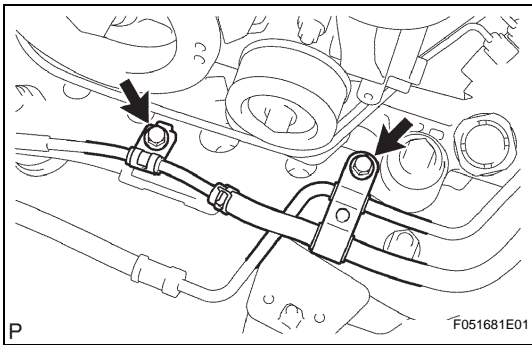
The removal procedure for the RH side is the same as that for the LH side.

**22. SEPARATE PRESSURE FEED TUBE ASSEMBLY**

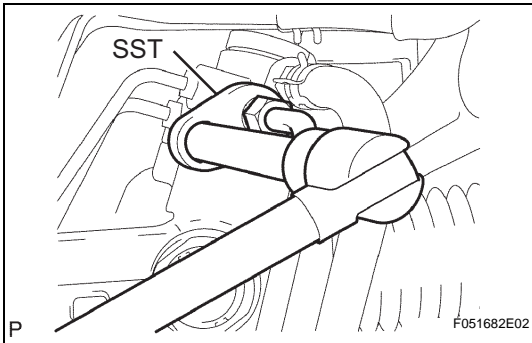
- (a) for 2TR-FE:

- (1) Remove the bolt and separate the tube support bracket.

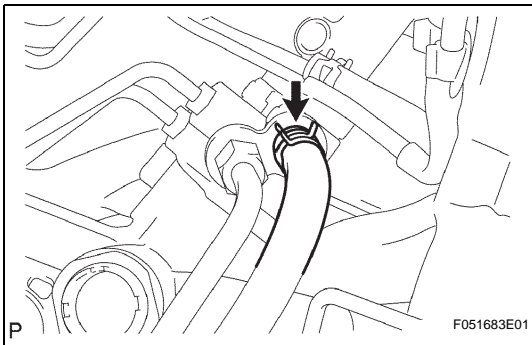




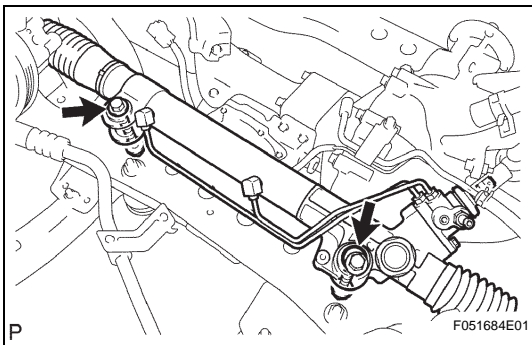
- (b) for 1GR-FE:
 (1) Remove the 2 bolts and separate the tube support brackets.



- (c) Using SST, loosen the flare nut and separate the pressure feed tube.
SST 09023-12701



- (d) Disengage the clip and disconnect the return hose.



23. REMOVE POWER STEERING LINK

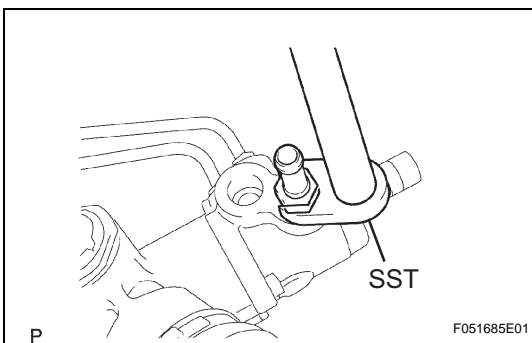
- (a) Remove the 2 bolts and 2 nuts.
NOTICE:
The nut has a detent, so never turn the nut. Be sure to turn only the bolt.
 (b) Tilt the transmission and remove the power steering link.

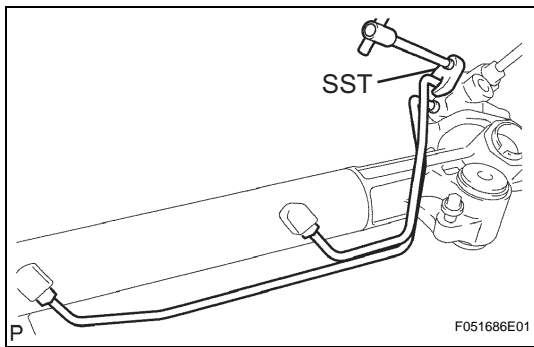
PS

DISASSEMBLY

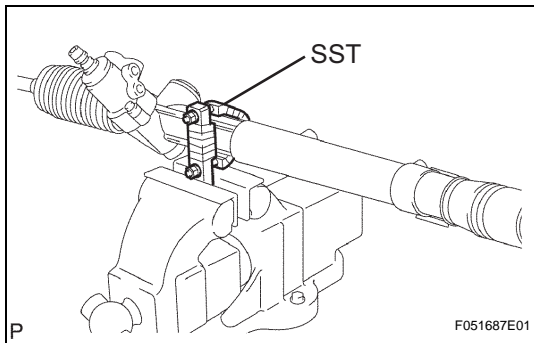
1. REMOVE STEERING GEAR OUTLET RETURN TUBE

- (a) Using SST, remove the return tube.
SST 09023-12701

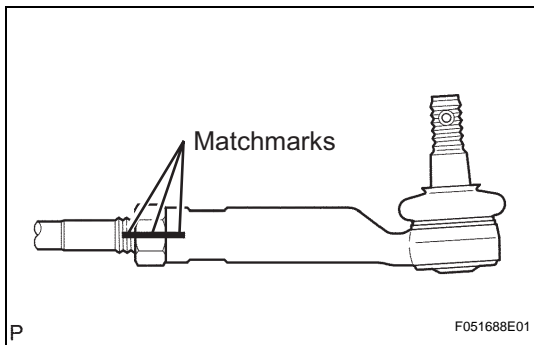




2. **REMOVE STEERING TURN PRESSURE TUBE**
 - (a) Using SST, remove the 2 pressure tubes.
SST 09023-38401
 - (b) Remove the 4 O-rings from the pressure tubes.



3. **FIX POWER STEERING LINK**
 - (a) Using SST, fix the power steering link between aluminium plates in a vise, as shown in the illustration.
SST 09612-00012
NOTICE:
When using a vise, do not over tighten it.



4. **REMOVE TIE ROD END SUB-ASSEMBLY LH**
 - (a) Place matchmarks on the tie rod end, lock nut and rack end.
 - (b) Loosen the lock nut and remove the tie rod end and lock nut.
5. **REMOVE TIE ROD END SUB-ASSEMBLY RH**
HINT:
The removal procedure for the RH side is the same as that for the LH side.

6. **REMOVE STEERING RACK BOOT CLIP**
 - (a) Remove the 2 rack boot clips.

7. **REMOVE STEERING RACK BOOT NO. 1 CLAMP**
 - (a) Using pliers, remove the rack boot No. 1 clamp.

NOTICE:

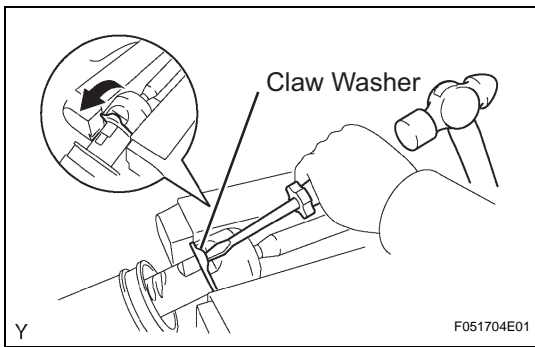
Be careful not to damage the steering rack boot No. 1.

8. **REMOVE STEERING RACK BOOT NO. 2 CLAMP**
HINT:

The removal procedure for the No. 2 side is the same as that for the No. 1 side.

9. **REMOVE STEERING RACK BOOT NO. 1**

10. **REMOVE STEERING RACK BOOT NO. 2**

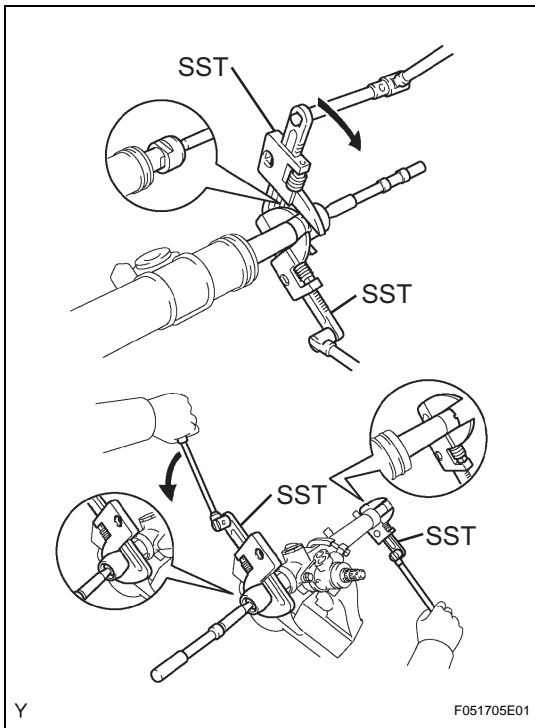


11. REMOVE STEERING RACK END SUB-ASSEMBLY

- (a) Using a screwdriver and hammer, unstake the claw washer.

NOTICE:

Avoid any impact to the power steering rack.

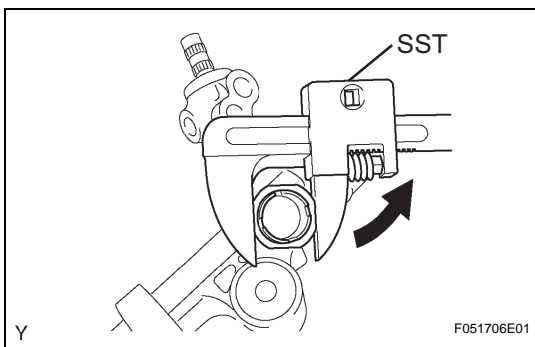


- (b) Using 2 SSTs, remove the 2 steering rack ends and 2 claw washers.

SST 09922-10010

NOTICE:

- Turn SST 09922-10010 in the direction shown in the illustration.
- Securely hold the steering rack end with SST.



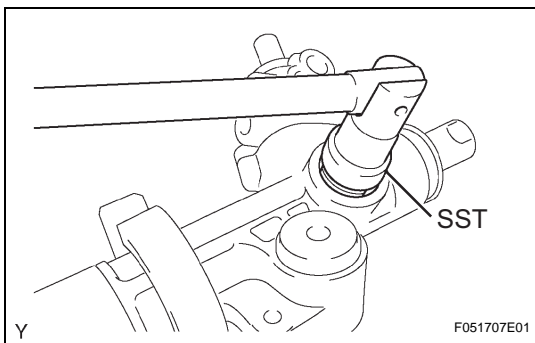
12. REMOVE STEERING GEAR RACK GUIDE

- (a) Using SST, remove the rack guide spring cap nut.

SST 09922-10010

NOTICE:

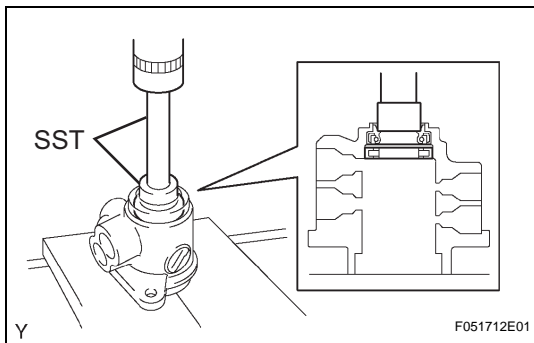
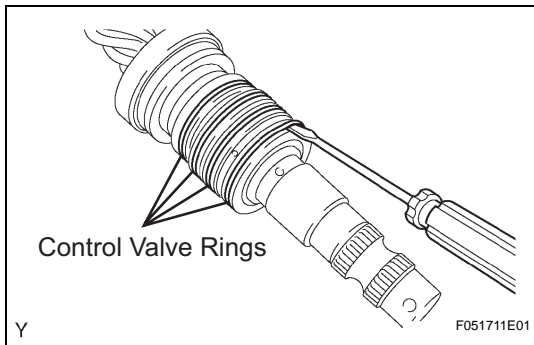
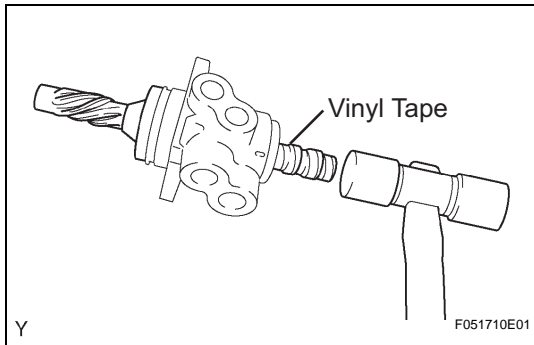
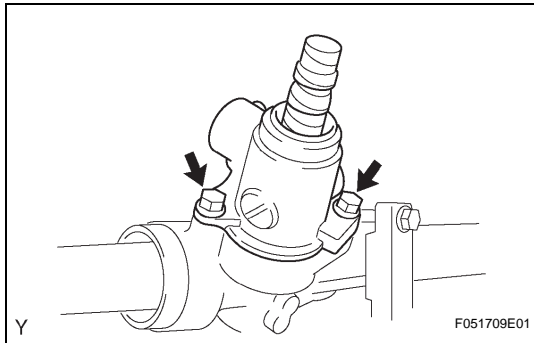
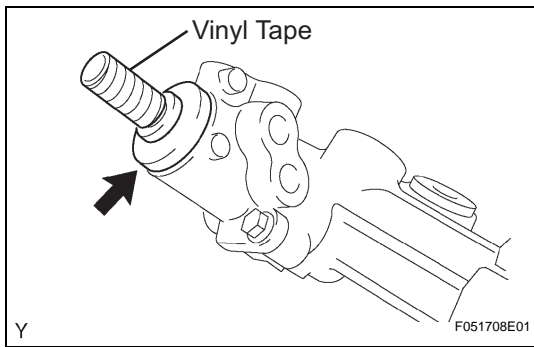
Turn SST 09922-10010 in the direction shown in the illustration.



- (b) Using SST, remove the rack guide spring cap.

SST 09631-10021

- (c) Remove the rack guide spring and rack guide.

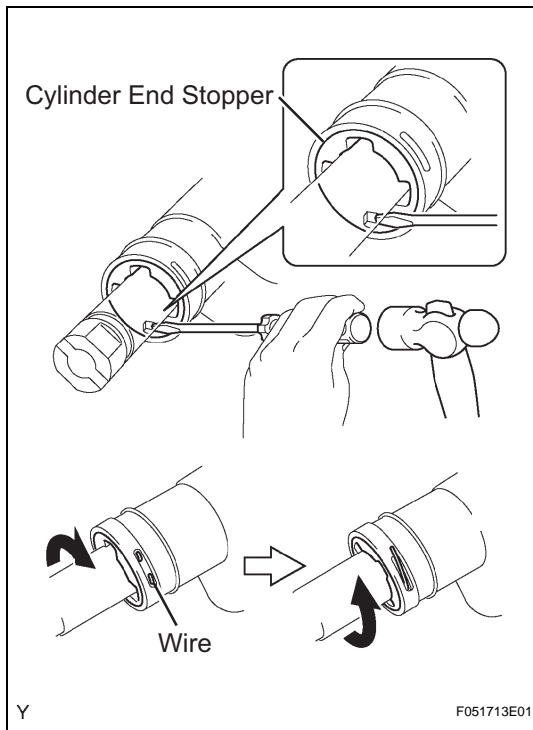


13. REMOVE POWER STEERING CONTROL VALVE ASSEMBLY

- (a) Wind vinyl tape around the serrated portion of the control valve.
 - (b) Remove the dust cover from the control valve housing.
 - (c) Remove the 2 bolts and the control valve w/ control valve housing.
 - (d) Remove the O-ring from the control valve housing.
 - (e) To prevent the oil seal lip from getting damaged, wind vinyl tape around the serrated portion of the control valve.
 - (f) Using a plastic hammer, remove the control valve from the control valve housing.
 - (g) Using a screwdriver, remove the 4 control valve rings.
- NOTICE:**
Be careful not to damage the grooves for the control valve rings.

14. REMOVE POWER STEERING CONTROL VALVE UPPER OIL SEAL

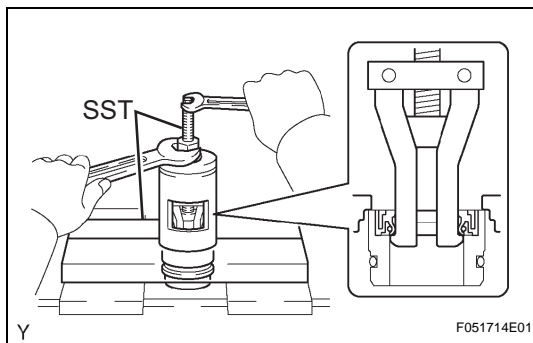
- (a) Using SST and a press, remove the control valve upper bearing and control valve upper oil seal from the control valve housing.
SST 09950-60010 (09951-00250), 09950-70010 (09951-07150)

**15. REMOVE CYLINDER END STOPPER**

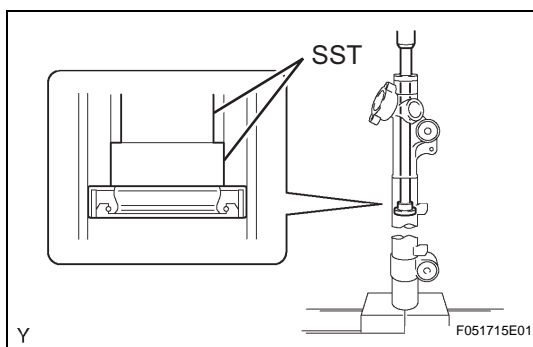
- (a) Using a screwdriver and hammer, turn the cylinder end stopper clockwise until the wire end can be seen through the service hole.
- (b) Using a screwdriver and hammer, turn the cylinder end stopper counterclockwise, and remove the wire and cylinder end stopper.

16. REMOVE POWER STEERING RACK**17. REMOVE POWER STEERING RACK BUSH**

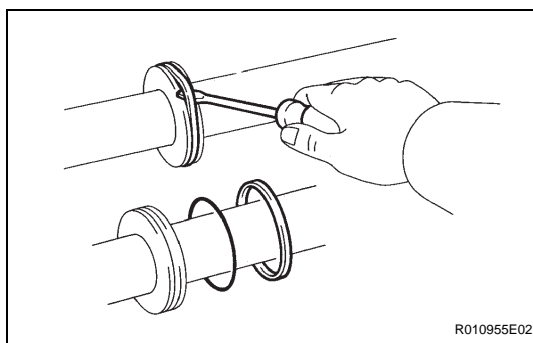
- (a) Remove the rack bush from the power steering rack.
- (b) Using a screwdriver, remove the O-ring from the rack bush.



- (c) Using SST, remove the rack bush oil seal.
SST 09527-21011, 09612-24014 (09613-22011)

**18. REMOVE POWER STEERING CYLINDER TUBE OIL SEAL**

- (a) Using SST and a press, remove the cylinder tube oil seal.
SST 09950-60010 (09951-00320), 09950-70010 (09951-07360)

PS**19. REMOVE RACK STEERING PISTON RING**

- (a) Using a screwdriver, remove the piston ring and O-ring.
NOTICE:
Be careful not to damage the groove for the piston ring.