

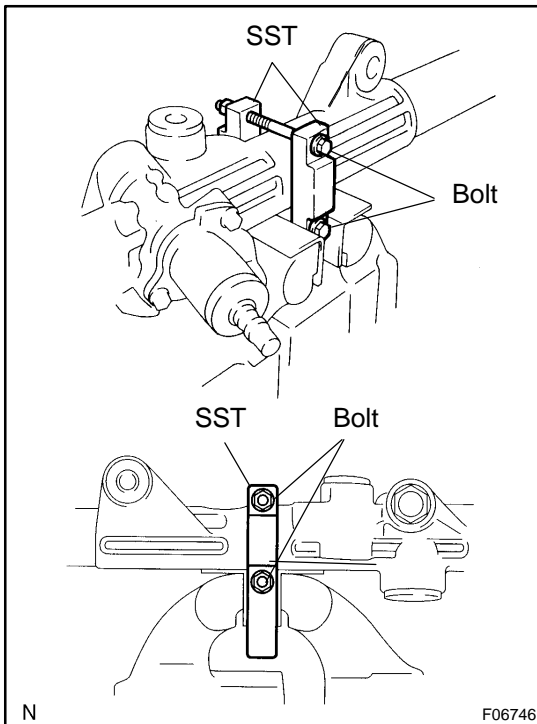
DISASSEMBLY

NOTICE:

When using a vise, do not overtighten it.

1. REMOVE 2 TURN PRESSURE TUBES

- Using SST, remove the 2 turn pressure tubes.
SST 09023-38401
- Remove the 4 O-rings from the tubes.



2. SECURE PS GEAR ASSEMBLY IN VISE

Using SST, 2 bolts and nuts, secure the gear assembly in a vise, as shown in the illustration.

SST 09612-00012

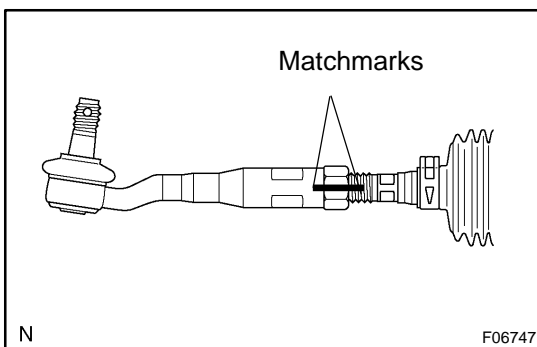
Reference:

Bolt: 90105-10346

Nut: 90170-10198

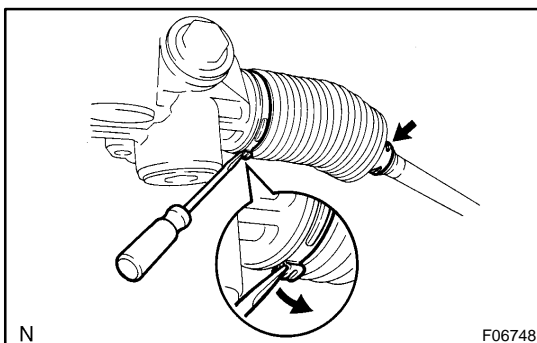
HINT:

Use 2 of the same type of SST.



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

- Put matchmarks on the tie rod end, lock nut and rack end.
- Loosen the lock nut, remove the tie rod end and lock nut.
- Perform the same procedure on the other side.



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

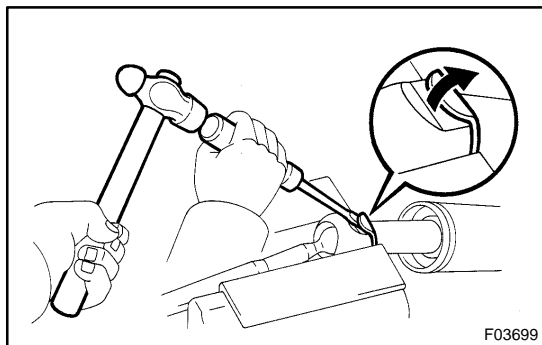
- Using a screwdriver, loosen the 2 clamps.
- Remove the 2 clips and boots.

HINT:

Mark the RH and LH boots.

NOTICE:

Be careful not to damage the boot.

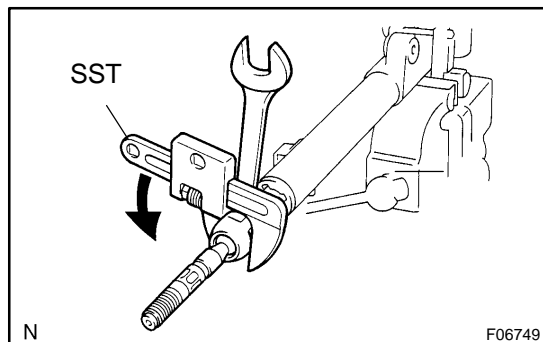


5. REMOVE RH AND LH RACK ENDS AND CLAW WASHERS

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

NOTICE:

Avoid any impact on the steering rack.



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

SST 09922-10010

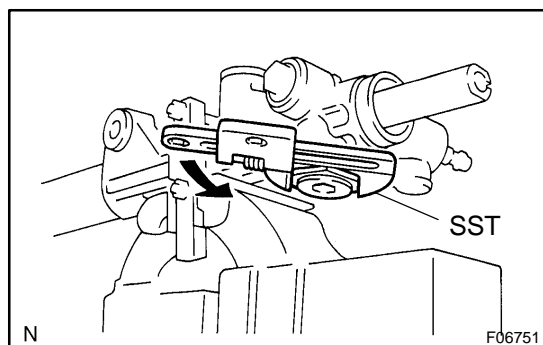
HINT:

Mark the RH and LH rack ends.

NOTICE:

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

- (c) Remove the washer from the rack end.
(d) Perform the same procedure on the other side.



6. REMOVE RACK GUIDE SPRING CAP LOCK NUT

Using SST, remove the lock nut.

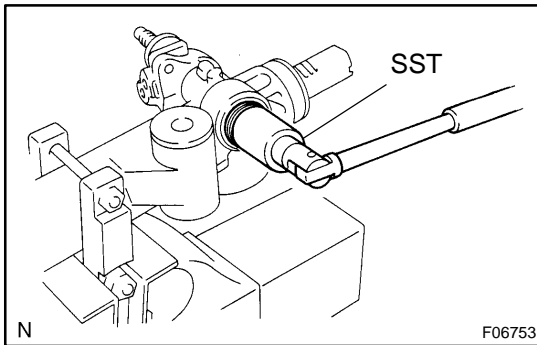
SST 09922-10010

NOTICE:

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

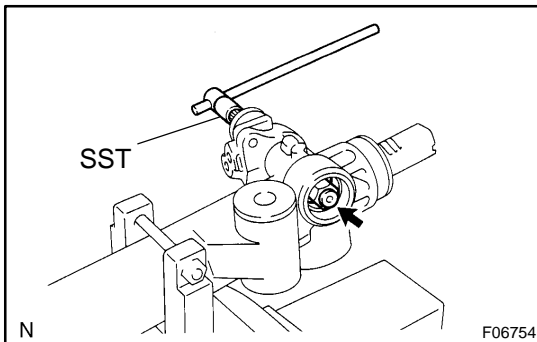
7. REMOVE RACK GUIDE SPRING CAP, RACK GUIDE SPRING AND RACK GUIDE

- (a) Using a hexagon wrench, remove the rack guide spring cap.
(b) Remove the rack guide spring and rack guide.

**8. REMOVE RACK HOUSING CAP**

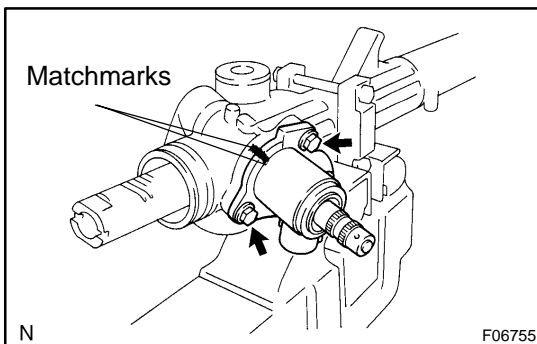
Using SST, remove the rack housing cap.

SST 09816-30010

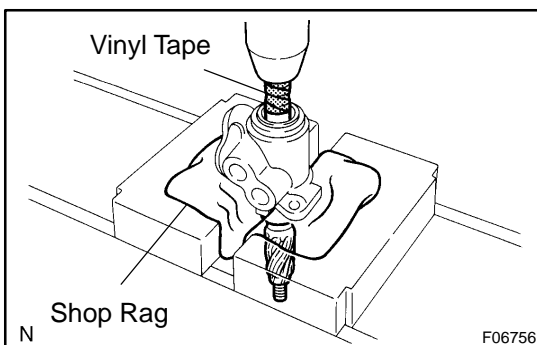
**9. REMOVE SELF-SOCKETING NUT**

Using SST to stop the control valve shaft rotating, remove the nut.

SST 09616-00011

10. REMOVE DUST COVER**11. REMOVE CONTROL VALVE HOUSING WITH CONTROL VALVE ASSEMBLY**

- Put matchmarks on the control valve housing and rack housing.
- Remove the 2 bolts and control valve housing with control valve assembly.
- Remove the gasket from the rack housing.

**12. REMOVE CONTROL VALVE ASSEMBLY**

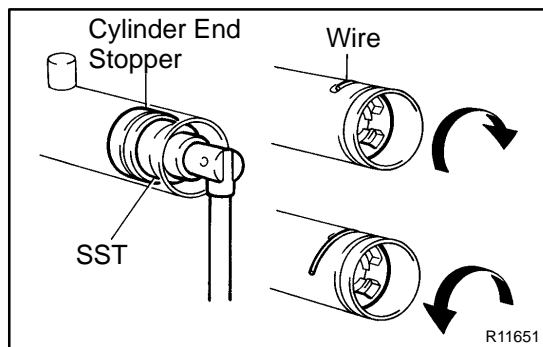
- To prevent oil seal lip damage, wind vinyl tape on the serrated part of the valve shaft.
- Press out the valve assembly with the oil seal.

NOTICE:

- Place a shop rag between the valve housing and the blocks.
- Be careful not to drop the valve assembly.
- Be careful not to damage the oil seal lip.

13. REMOVE OIL SEAL

Remove the oil seal from the control valve assembly.

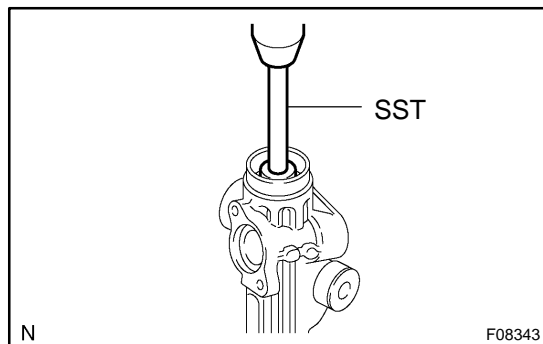
**14. REMOVE CYLINDER END STOPPER**

- (a) Using SST, turn the stopper clockwise until the wire end is visible through the service hole.

SST 09631-16010

- (b) Using SST, turn the stopper counterclockwise, and remove the wire.

SST 09631-16010

**15. REMOVE STEERING RACK AND BUSHING**

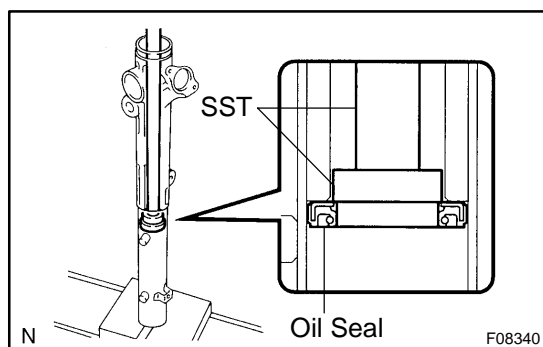
- (a) Using SST, press out the steering rack with the bushing

NOTICE:

Take care not to drop the rack.

SST 09950-70010 (09951-07200)

- (b) Remove the bushing from the rack.
(c) Remove the O-ring from the bushing.

**16. REMOVE OIL SEAL**

Using SST, press out the oil seal.

SST 09950-60010 (09951-00360),
09950-70010 (09951-07360)