SR0YB–01

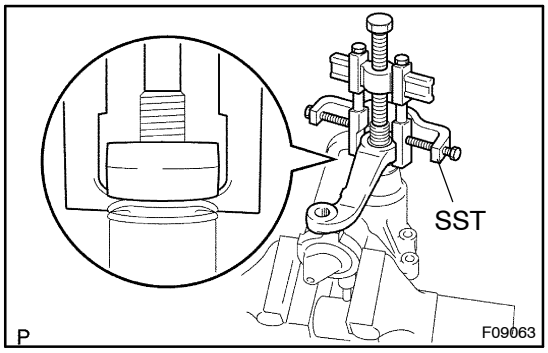
DISASSEMBLY

NOTICE:

When using a vise, do not overtighten it.

1. REMOVE HOUSING BRACKET

Remove the 4 bolts and bracket.



2. REMOVE PITMAN ARM

(a) Remove the nut and spring washer.

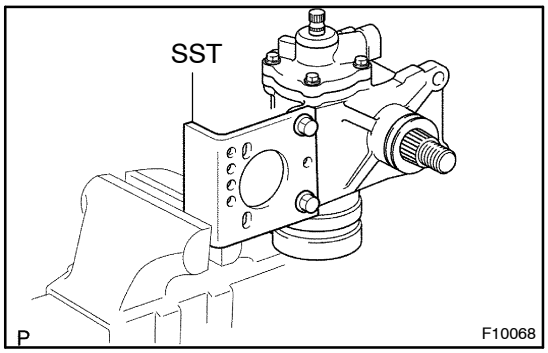
(b) Using SST, remove the pitman arm.

SST 09950–40011 (09951–04020, 09952–04010, 09953–04020, 09954–04010, 09955–04031, 09958–04011)

NOTICE:

Be careful not damage the sector shaft dust cover.

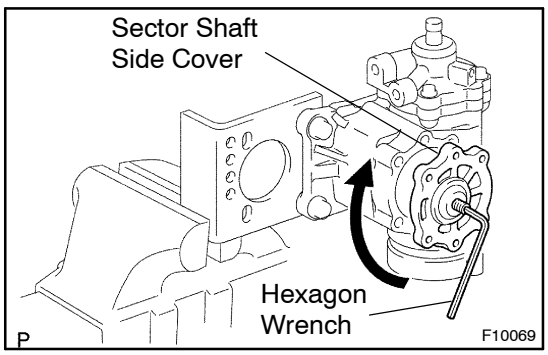
3. REMOVE SECTOR SHAFT DUST COVER



4. SECURE PS GEAR ASSEMBLY IN VISE

Mount the gear housing on SST and clamp SST in a vise.

SST 09630–00014 (09631–00142)

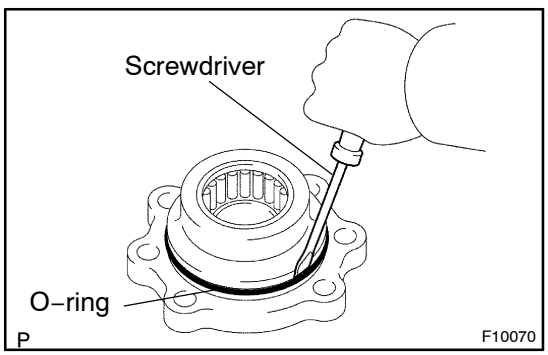


5. REMOVE SECTOR SHAFT SIDE COVER

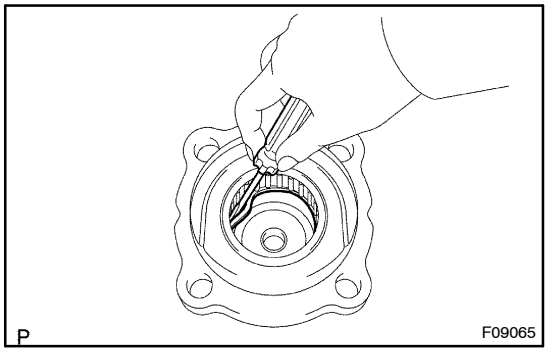
(a) Remove the sector shaft adjusting screw lock nut.

(b) Remove the 6 bolts.

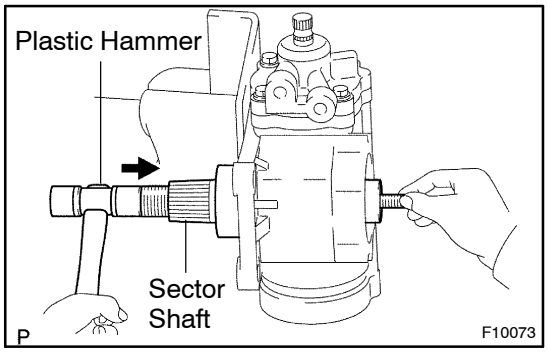
(c) Using a hexagon wrench, turn the sector shaft adjusting screw clockwise until the cover comes off.



(d) Using a screwdriver, remove the O–ring from the sector shaft side cover.

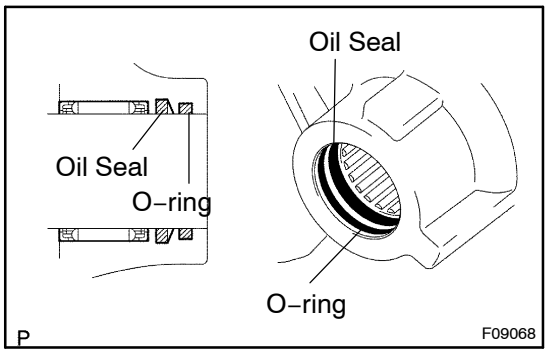


(e) Using a screwdriver, remove the oil seal from the secote shaft side cover.



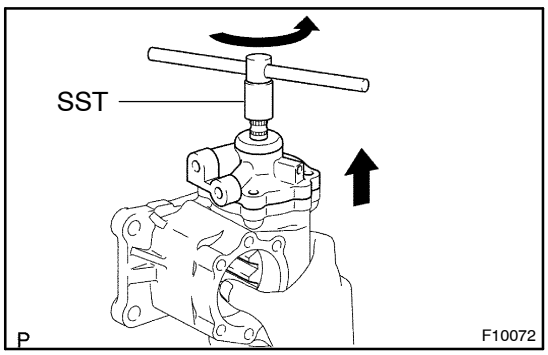
6. REMOVE SECTOR SHAFT

(a) Using a plastic hammer tap on the sector shaft end, and pull out the sector shaft, as shown in the illustration.



(b) Using a screwdriver, remove the O–ring and oil seal from the gear housing.

7. REMOVE WORM SHAFT DUST COVER



8. REMOVE POWER PISTON SUB–ASSEMBLY

(a) Remove the 4 bolts.

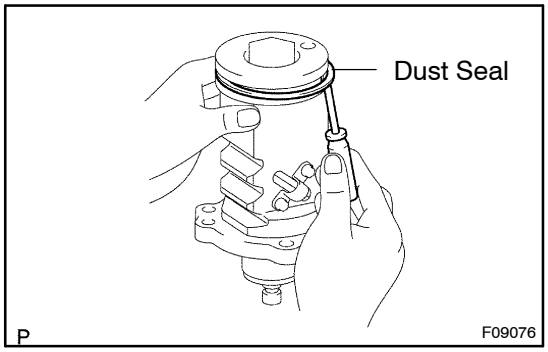
(b) Using SST, turn the power piston shaft clockwise until the shaft is locked. Then turn the power piston shaft counterclockwise until the end cover of the power piston sub–assembly is separated from the gear housing by holding the power piston with your finger.

SST 09616–00010

NOTICE:

Do not separate the end cover from the housing cover more than 60 mm (2.36 in.).

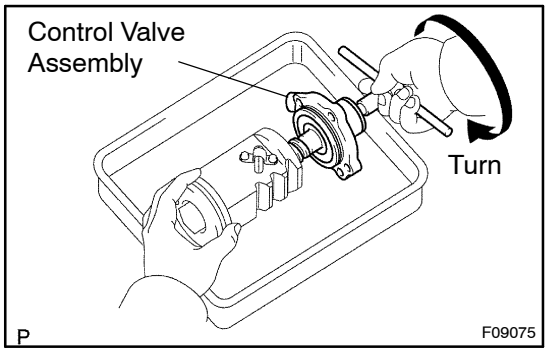
(c) With holding the power piston, pull out the power piston sub–assembly.



(d) Using a screwdriver, remove the dust seal from the power piston sub–assembly.

NOTICE:

Be careful not to damage the power piston sub–assembly.

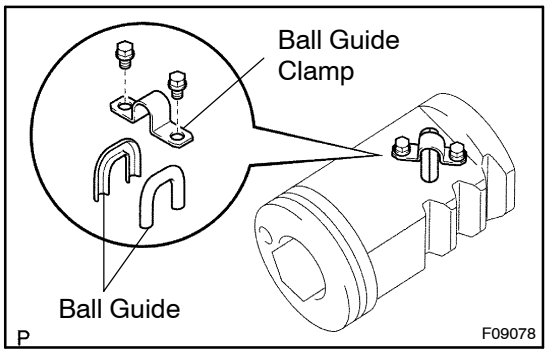


9. REMOVE CONTROL VALVE SUB–ASSEMBLY

Pull out the control valve assembly from the power piston sub–assembly.

NOTICE:

Do not lose the ball.



10. REMOVE BALL GUIDE CLAMP, BALL GUIDE AND BALLS

(a) Remove the 2 bolts and ball guide clamp.

(b) Remove the ball guide and 30 balls.

NOTICE:

Be careful not to lose the balls.