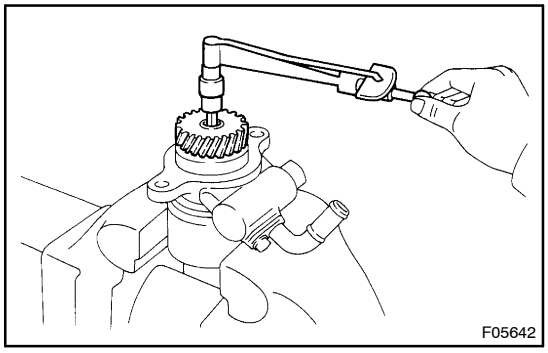
SR0Y4–01


F05642

DISASSEMBLY

NOTICE:

When using a vise, do not overtighten it.

1. MEASURE PS VANE PUMP ROTATING TORQUE

(a) Check that the pump rotates smoothly without abnormal noise.

(b) Using a torque wrench, check the pump rotating torque.

Rotating torque:

0.3 N·m (2.8 kgf·cm, 2.4 in.·lbf) or less

2. REMOVE SUCTION PORT UNION

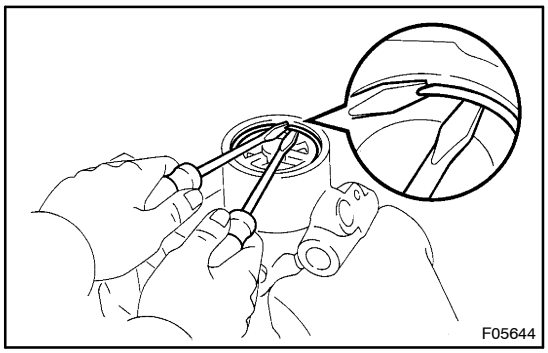
(a) Remove the bolt and suction port union.

(b) Remove the O–ring from the union.

3. REMOVE PRESSURE PORT UNION, FLOW CONTROL VALVE AND SPRING

(a) Remove the pressure port union, flow control valve and spring.

(b) Remove the O–ring from the union.

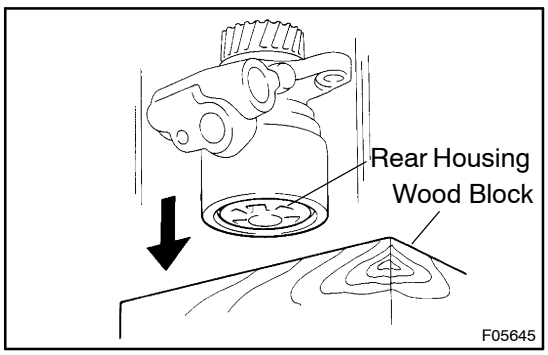

F05644

4. REMOVE REAR HOUSING

(a) Using 2 screwdrivers, remove the snap ring.

NOTICE:

Take care not to damage the housing.



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(b) Gently tap the PS pump assembly on a wood block and remove the rear housing.

(c) Remove the O–ring from the housing.

5. REMOVE CAM RING, VANE PUMP ROTOR, 10 VANE PLATES, 2 STRAIGHT PINS, SIDE PLATE AND 2 WAVE WASHERS

(a) Remove the cam ring, vane pump rotor and 10 vane plates.

NOTICE:

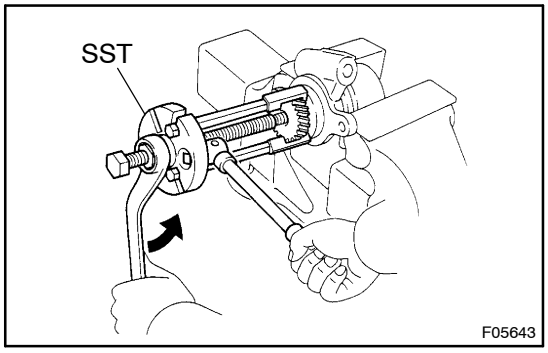
Take care not to drop the vane plate.

(b) Remove the 2 straight pins, side plate and 2 wave washers.

(c) Remove the 2 O–rings from the side plate.

NOTICE:

Be careful not to scratch the side plate.



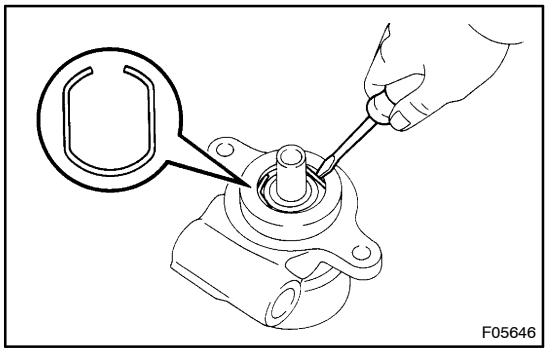
6. REMOVE VANE PUMP DRIVE GEAR

Using SST, pull out the gear.

SST 09950–30011 (09951–03010, 09953–03010, 09954–03010, 09955–03020)

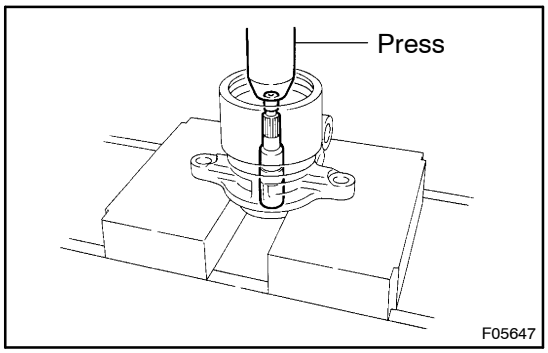
NOTICE:

Be careful not to damage the gear.



7. REMOVE VANE PUMP SHAFT WITH BEARING

(a) Using a screwdriver, remove the snap ring.



(b) Press out the shaft with the bearing.