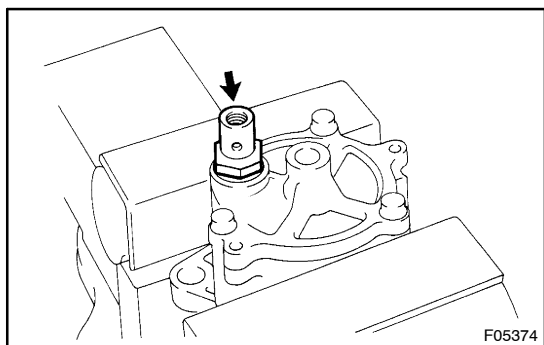


DISASSEMBLY

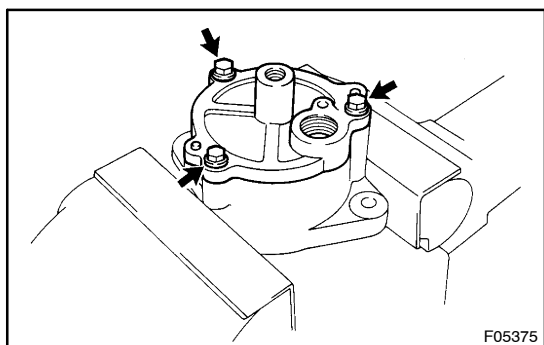
1. **PLACE VACUUM PUMP IN VISE**
2. **REMOVE VACUUM HOSE UNION**

Remove the union bolt, union and 2 gaskets.



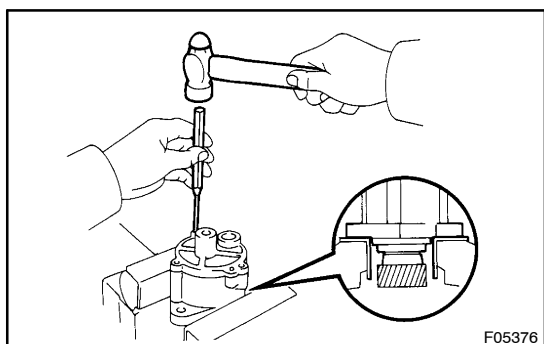
3. **REMOVE CHECK VALVE**

Remove the check valve and gasket.



4. **REMOVE END COVER**

- (a) Remove the 3 bolts.

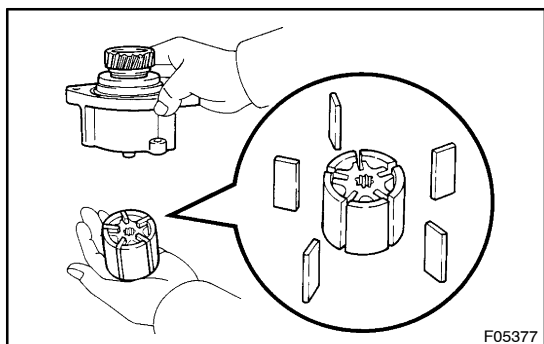


- (b) Place the vacuum pump on vise, as shown in the illustration.

NOTICE:

Do not tighten the vise.

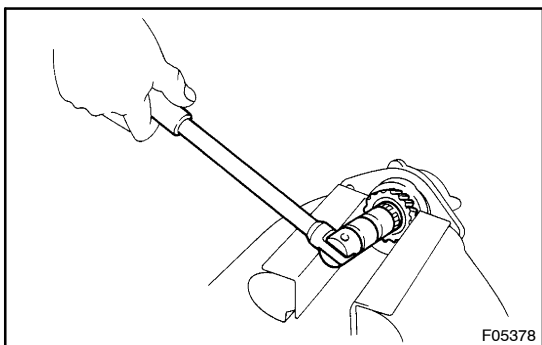
- (c) Using a pin punch and hammer, drive out the 2 straight pins.
- (d) Remove the end cover and O-ring.



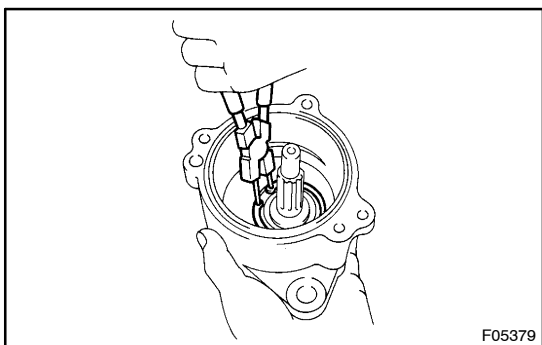
5. **REMOVE ROTOR AND 5 BLADES**

NOTICE:

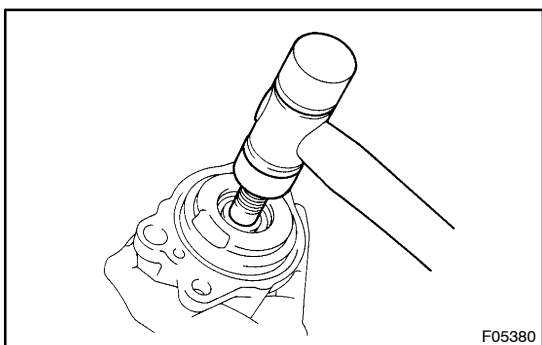
Be careful not to drop the blades.

**6. REMOVE GEAR**

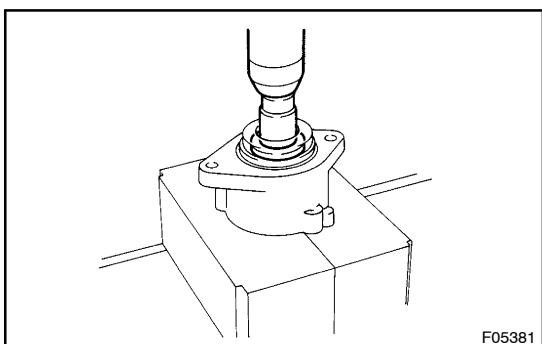
- (a) Using soft jaws on the vise, clamp the gear in the vise.
- (b) Remove the gear lock nut.
- (c) Remove the gear and woodruff key.

**7. REMOVE SNAP RING**

Using snap ring pliers, remove the snap ring.

**8. REMOVE ROTOR SHAFT**

Using a plastic hammer, tap out the rotor shaft.

**9. REMOVE BEARING**

Using a press and 17mm socket, press out the bearing.