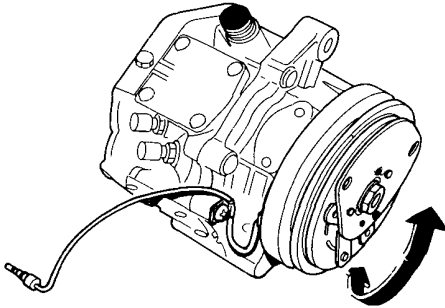


Compressor Clutch

Inspection

Check pulley bearing play and drag by rotating the pulley by hand. Replace the pulley with a new one if it is noisy or has excessive play and drag.

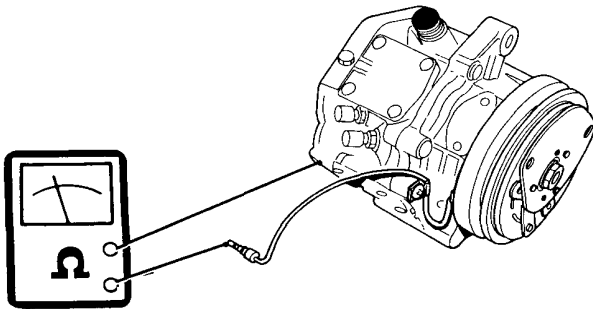


Check the resistance of coil.

Coil Resistance:

$3.0 \pm 0.3 \Omega$ at 20°C (68°F)

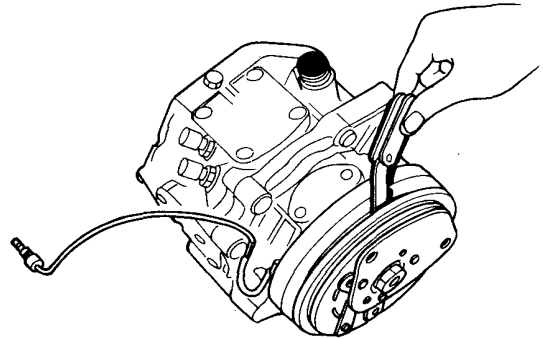
If the resistance is not within specifications, replace the clutch coil with a new one.



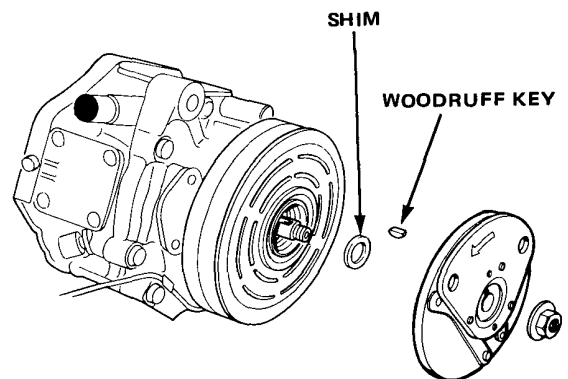
Measure the clearance between the pulley and pressure plate all the way around. If the clearance is not within specified limits, the pressure plate must be removed and shims added or removed as required.

Pulley to Pressure Plate Clearance:

0.3–0.6 mm (0.012–0.024 in.)



NOTE: The shims are available in six sizes: 0.1 mm, 1.0 mm, 1.25 mm, 1.5 mm, 1.75 mm and 2.0 mm of thickness. 0.1 mm shim is used for minor adjustment.



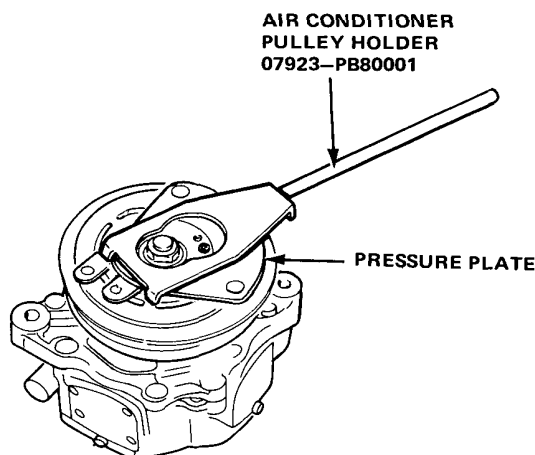


Overhaul

1. Remove the nut while holding the pressure plate with the tool shown.

CAUTION: Be careful not to compress the spring excessively.

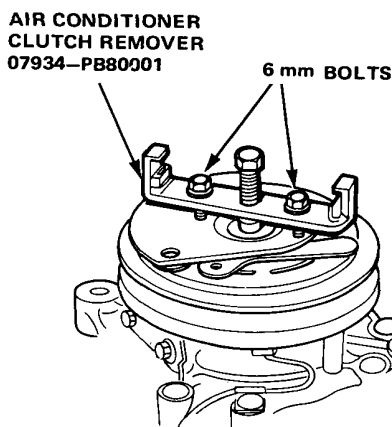
Use the tool to hold the pressure plate.



2. Install the clutch remover tool and two 6 mm bolts on the pressure plate, and remove it by screwing the center bolt.

CAUTION: Use only special tool to remove the pressure plate. If it is not used the clutch damage may result.

NOTE: Tighten the 6 mm bolts equally, so the tool is installed parallel to the pressure plate.

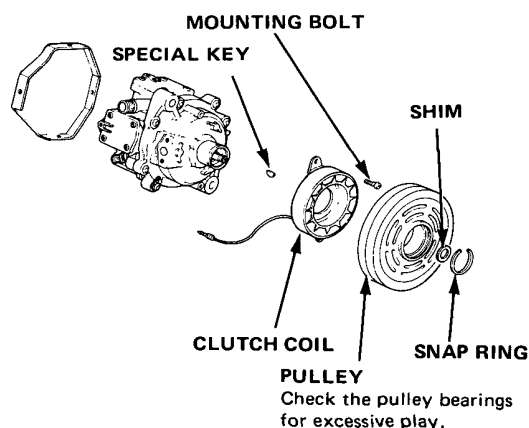


3. Use snap ring pliers to take off the snap ring, then remove the pulley from the shaft with a 2 or 3 jaw puller.

CAUTION: When removing the snap ring, be careful not to damage the aluminum compressor snout.

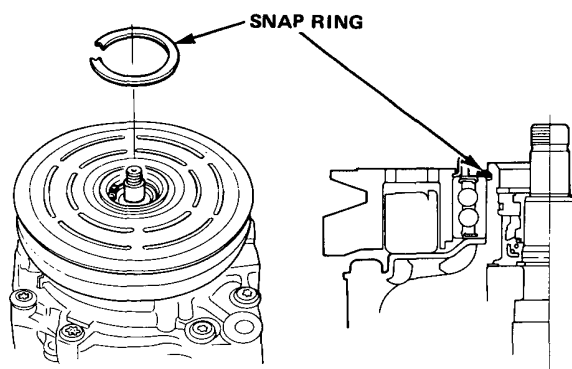
4. Unscrew the clutch coil mounting bolt by using a TORX DRIVER BIT (07703-0010200), then remove the clutch coil.

NOTE: It's not necessary to remove the clutch wire clamp; just pry it up enough to remove the wire.



Assemble the clutch in the reverse order of disassembly, and also:

- Install the snap ring with its chamfered side facing out.
- When installing the snap ring, be careful not to damage the aluminum compressor snout.



- Tighten the hub nut to specified torque.
TORQUE: 4.0–4.5 kg-m (32–35 ft-lb)
- Recheck the pulley to pressure plate clearance and adjust if necessary.