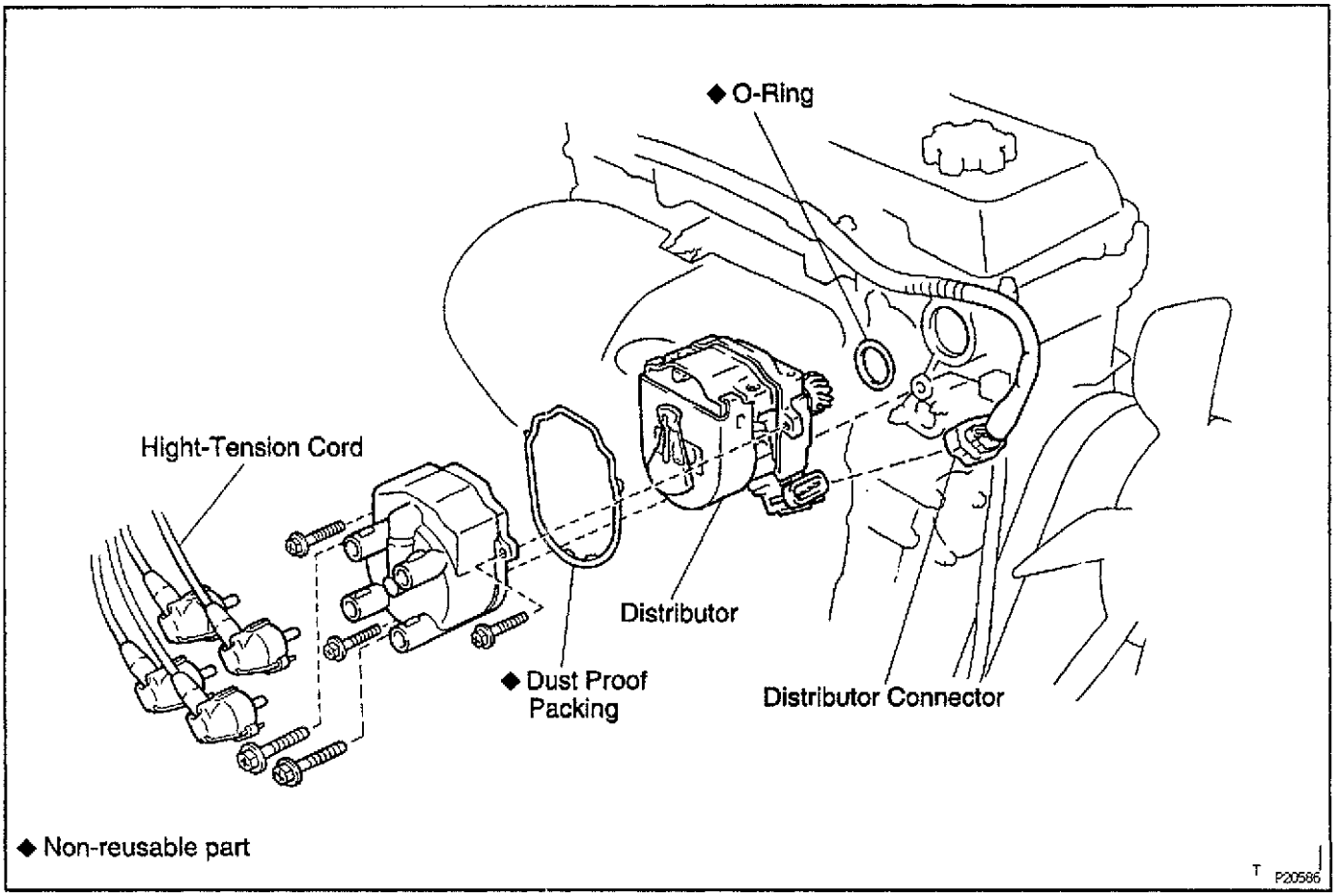
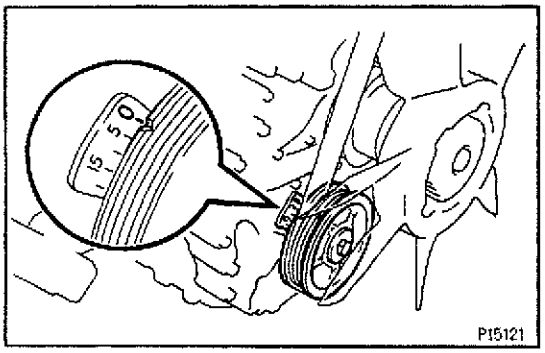
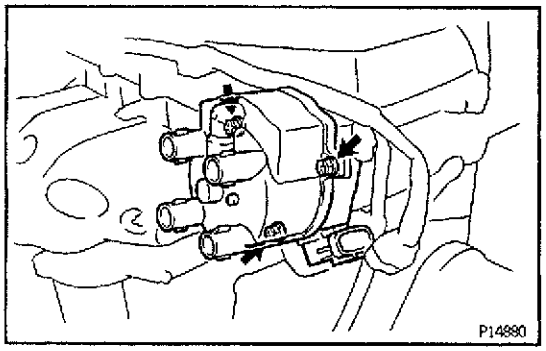
DISTRIBUTOR (3RZ–FE)

IG039–0E

COMPONENTS FOR REMOVAL AND INSTALLATION







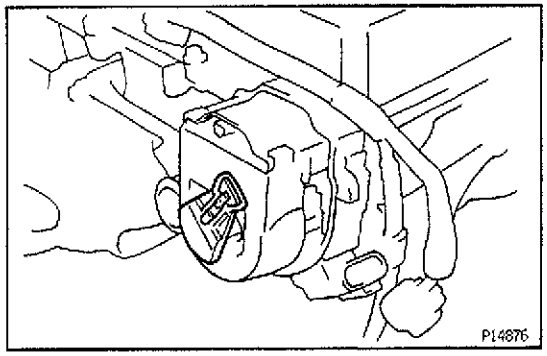
IG00A–05

DISTRIBUTOR REMOVAL

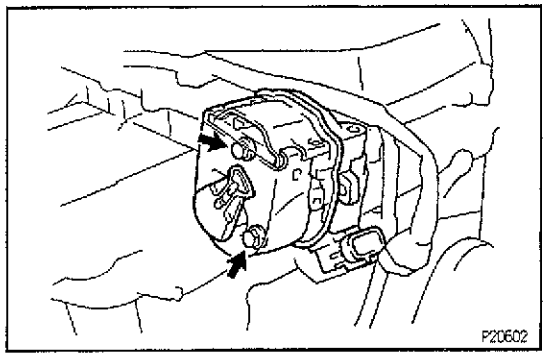
1. **DISCONNECT DISTRIBUTOR CONNECTOR**
2. **DISCONNECT HIGH–TENSION CORDS FROM DISTRIBUTOR CAP**
   (See step 2 in high–tension cords inspection)
3. **SET NO.1 CYLINDER TO TDC/COMPRESSION**

(a) Turn the crankshaft pulley clockwise until the timing mark is aligned with "0" mark on the oil pump cover.

(b) Remove the 3 bolts and distributor cap.



(c) Check that the distributor rotor direction is as shown. If not, turn the crankshaft pulley one complete revolution.



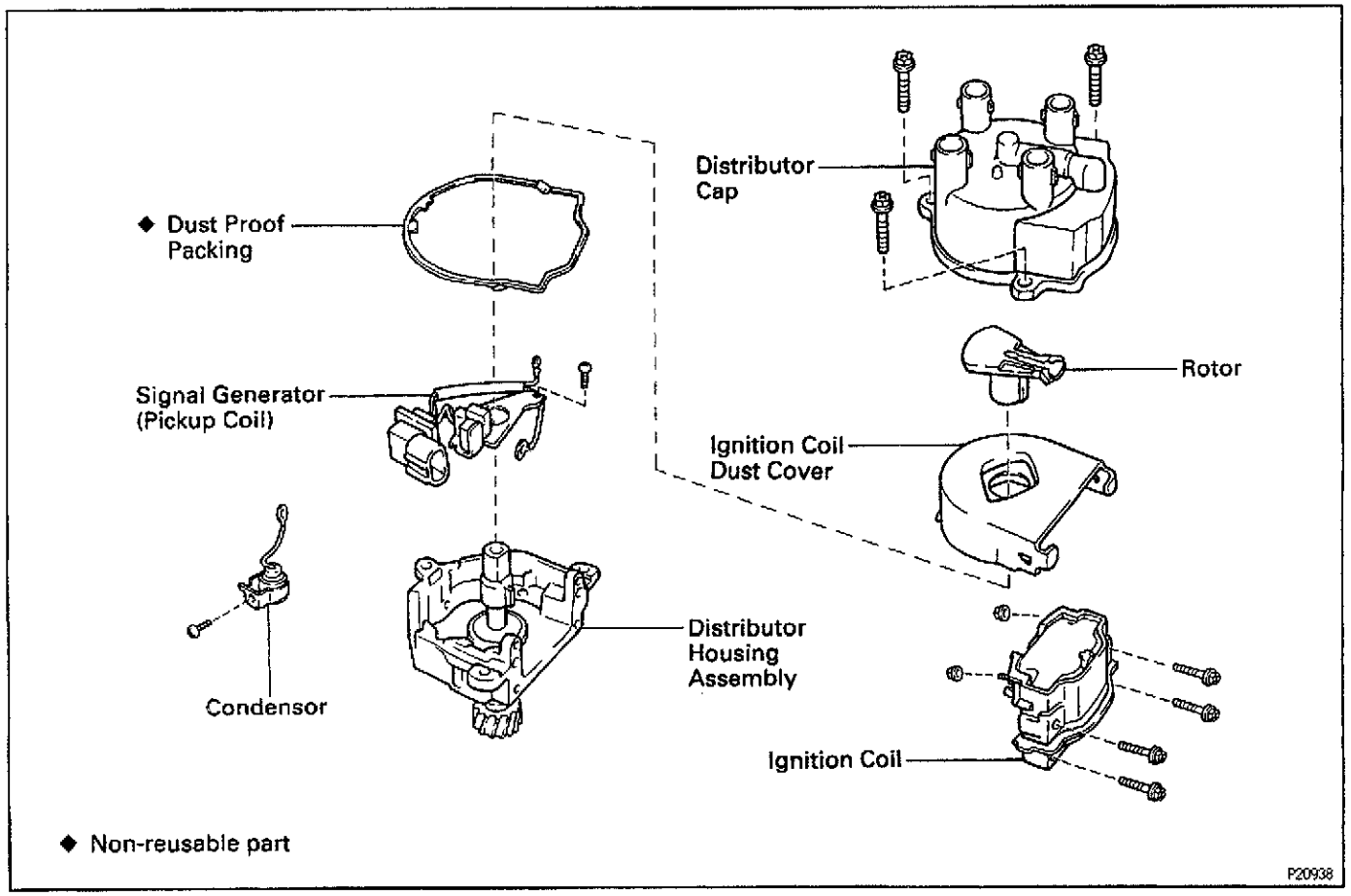
4. REMOVE DISTRIBUTOR

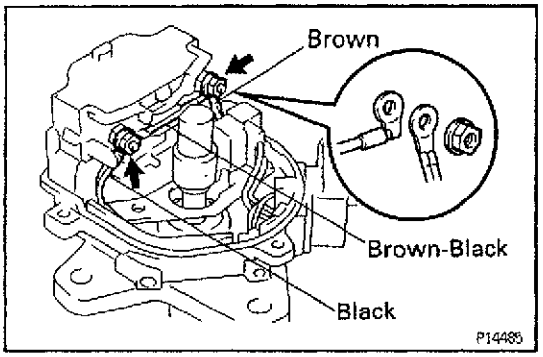
(a) Remove the 2 mounting bolts, and pull out the distributor.

(b) Remove the O–ring from the distributor housing.

COMPONENTS FOR DISASSEMBLY AND ASSEMBLY

IG044–07





DISTRIBUTOR DISASSEMBLY

IG00A—01

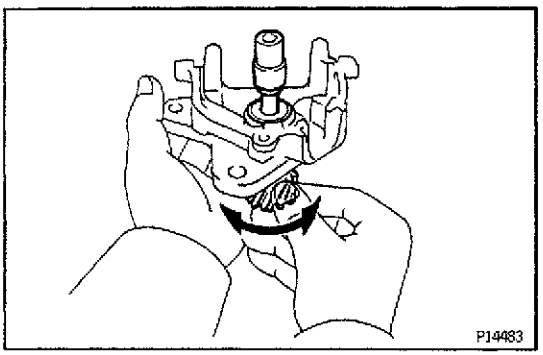
1. **REMOVE ROTOR**
2. **REMOVE IGNITION COIL DUST COVER**

(a) Remove the dust cover.
(b) Remove the dust proof packing.

3. **REMOVE IGNITION COIL**

(a) Remove the 2 nuts, and disconnect the 3 wires from the ignition coil terminals.
(b) Remove the 4 screws and ignition coil.

4. **REMOVE SIGNAL GENERATOR (PICKUP COIL)**
   Remove the 2 screws and signal generator (pickup coil) from the distributor housing.
5. **REMOVE CONDENSER**
   Remove the screw and condenser.

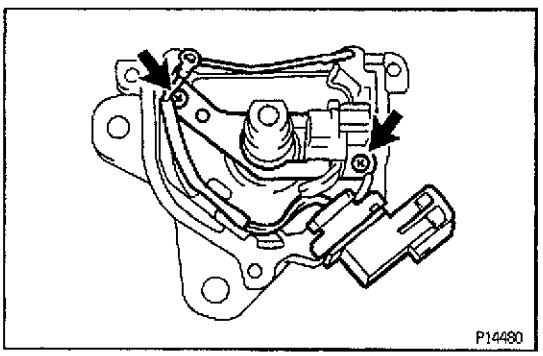


DISTRIBUTOR INSPECTION

IG013—02

INSPECT SHAFT

Turn the shaft and check that it is not rough or worn. If it feels rough or worn, replace the distributor housing assembly.

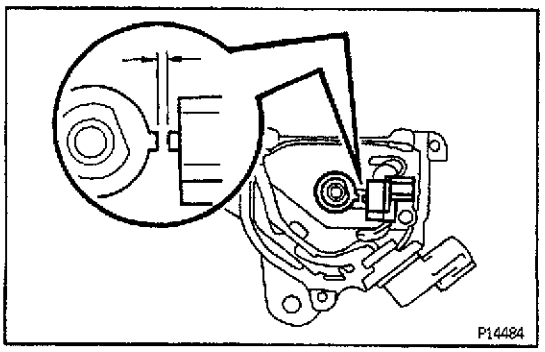


DISTRIBUTOR ASSEMBLY

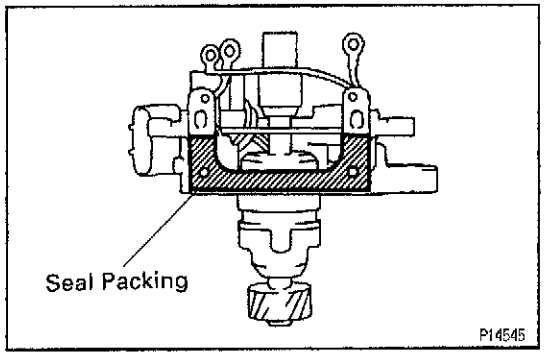
IG00B—01

1. **INSTALL CONDENSER**
   Install the condenser with the screw.
2. **INSTALL SIGNAL GENERATOR (PICKUP COIL)**

(a) Install the signal generator (pickup coil) to the distributor housing.
(b) Align the rotor tooth with the pickup coil, and temporarily install the 2 screws.



(c) Using a thickness gauge, set the air gap and tighten the 2 screws.
Air gap:
0.2 — 0.4 mm (0.008 — 0.016 in.)
NOTICE: Be sure that the wires do not contact with the signal rotor.



3. INSTALL IGNITION COIL

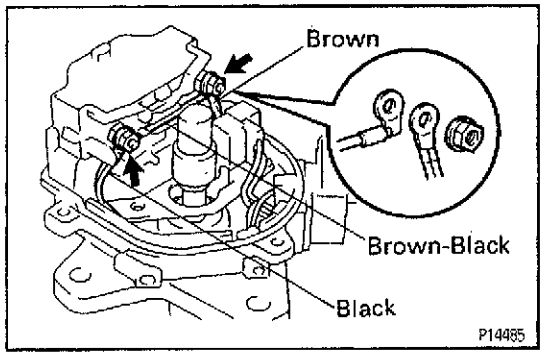
(a) Remove any old packing (FIPG) material.

(b) Apply seal packing to the ignition coil installing surface of the housing as shown in the illustration.

Seal packing:

Part No. 08826–00080 or equivalent

(c) Install the ignition coil with the 4 screws.



(d) Connect the 3 wires to the ignition coil terminals with the 2 nuts as shown in the illustration.

NOTICE:

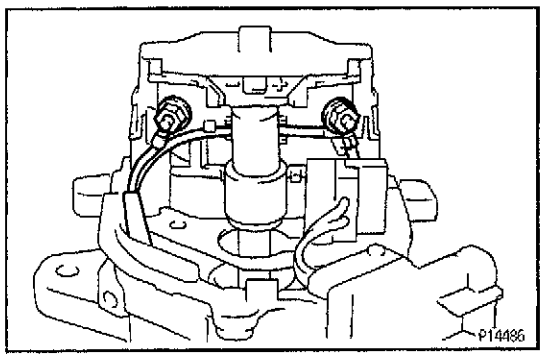
- **When connecting the wires to the ignition coil, insert the wire properly into the groove on the side of the ignition coil.**
- **Be sure the wires do not contact with signal rotor or distributor housing.**

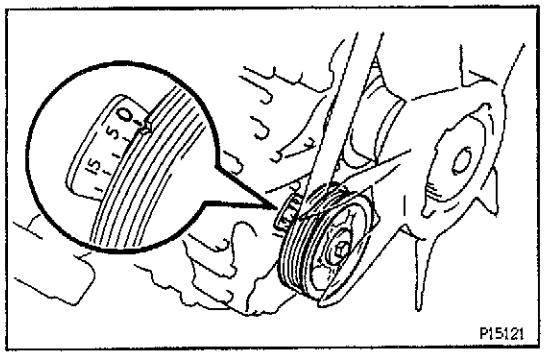
4. INSTALL IGNITION COIL DUST COVER

(a) Install a new dust proof packing to the distributor housing.

(b) Install the dust cover.

5. INSTALL ROTOR



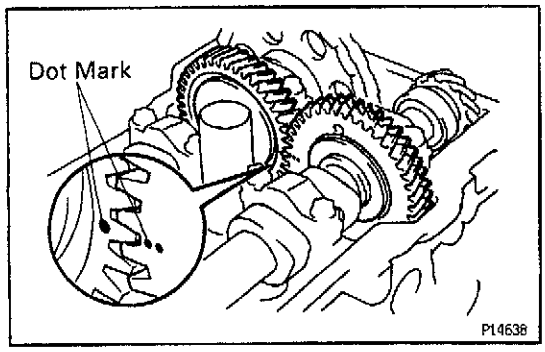


DISTRIBUTOR INSTALLATION

1. CHECK NO.1 CYLINDER TO TDC/COMPRESSION

If necessary, remove the cylinder head cover, and check the following conditions:

- Turn the crankshaft pulley clockwise and align its groove with the timing mark "0" of the oil pump cover.



- Verify that the timing marks with 1 and 2 dots are in straight line on the cylinder head surface as shown in the illustration.

If not, turn the crankshaft 1 revolution (360°) and align the mark as above.