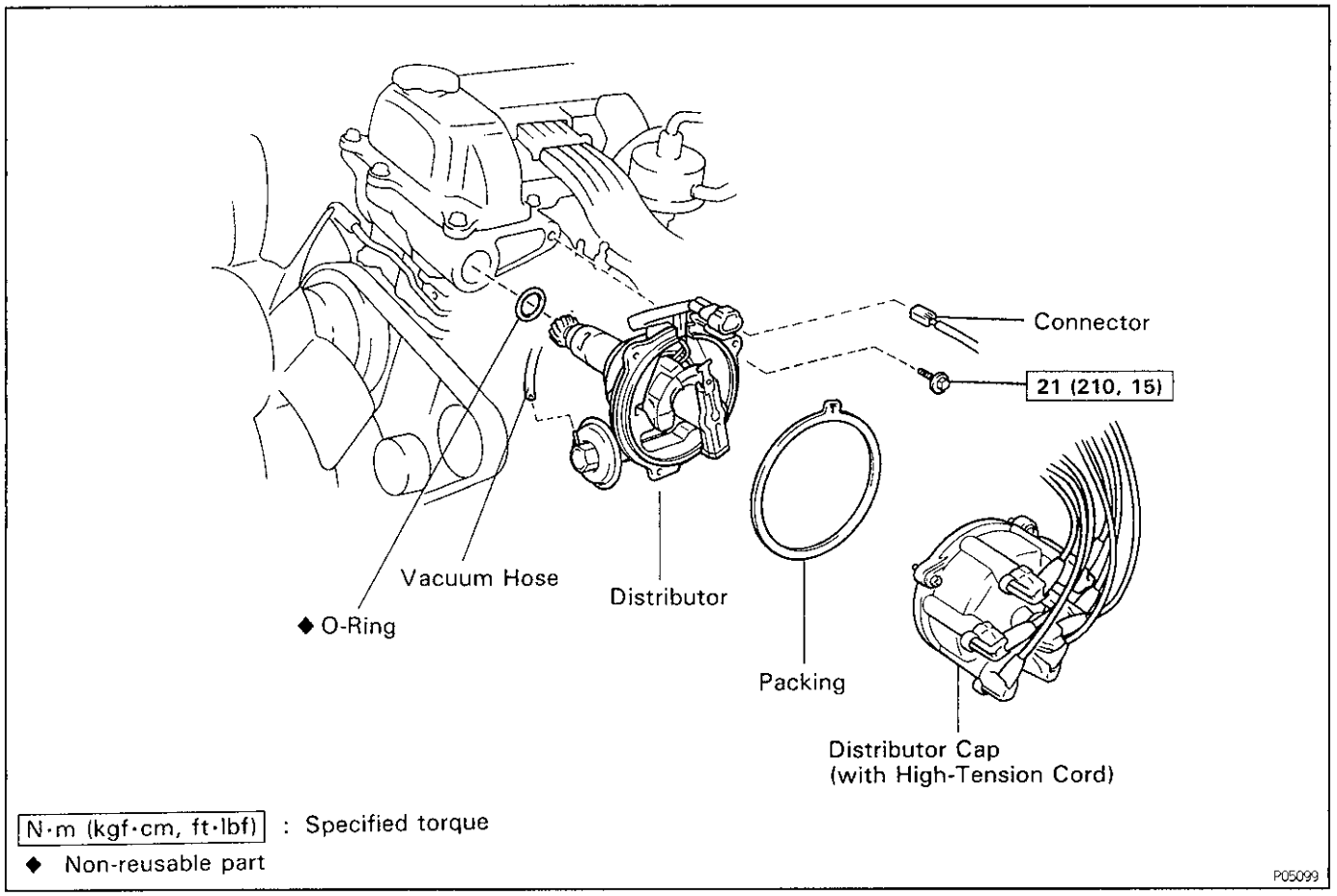
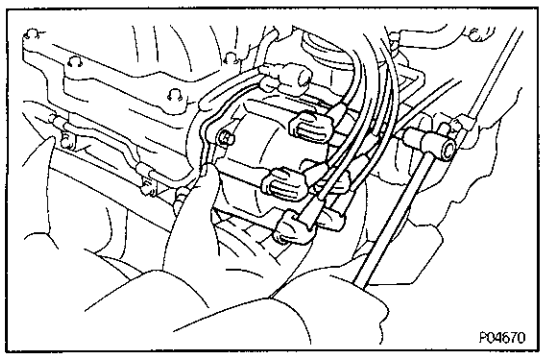
DISTRIBUTOR

IG038–01

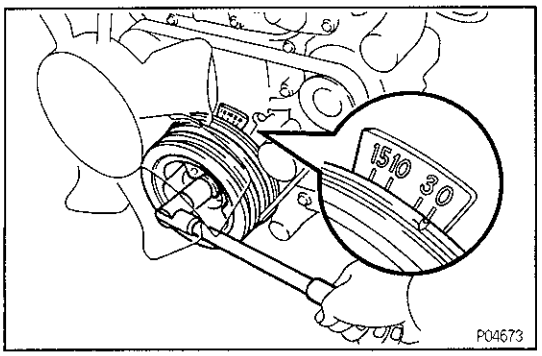
DISTRIBUTOR REMOVAL



1. **DISCONNECT CABLE FROM NEGATIVE TERMINAL OF BATTERY**
2. **DISCONNECT DISTRIBUTOR CONNECTOR**
3. **DISCONNECT VACUUM HOSE FROM VACUUM ADVANCER**

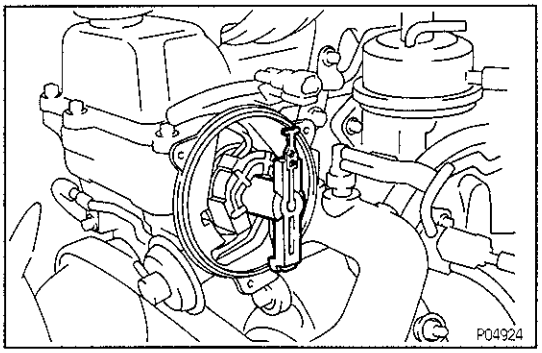


4. **REMOVE DISTRIBUTOR CAP WITHOUT DISCONNECTING HIGH–TENSION CORDS**



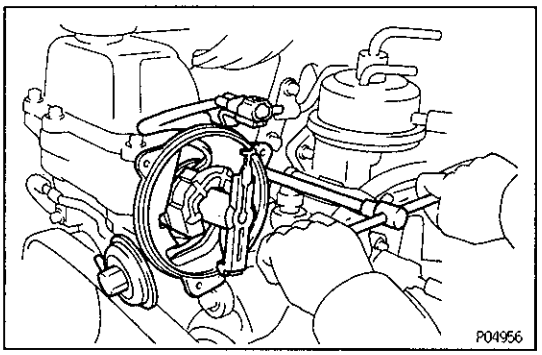
5. SET NO.1 CYLINDER TO TDC/COMPRESSION

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



(b) Check that the distributor rotor direction is as shown.

If not, turn the crankshaft pulley one complete revolution.



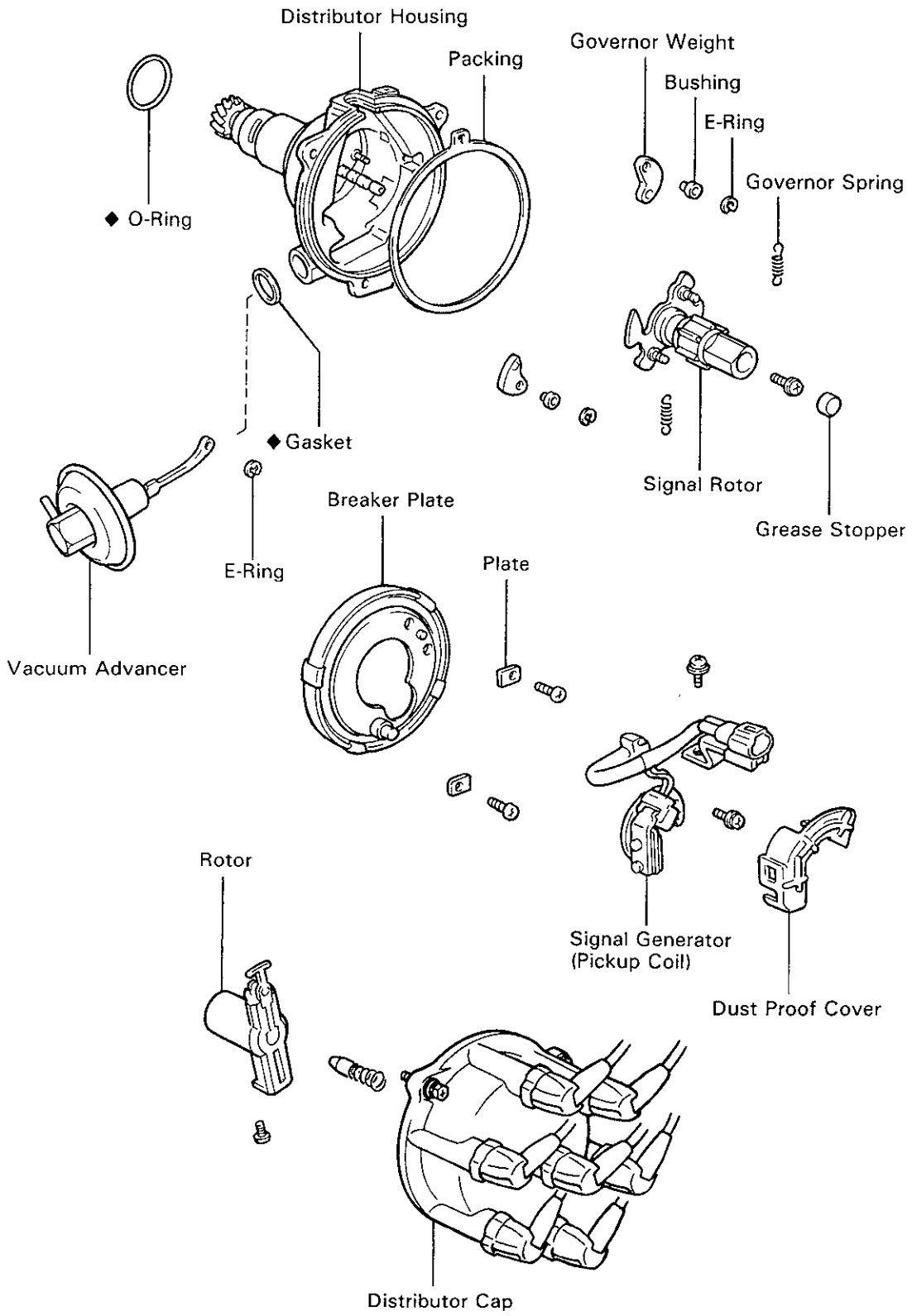
6. REMOVE DISTRIBUTOR

(a) Remove the hold–down bolt and pull out the distributor.

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

IG039–01

COMPONENTS

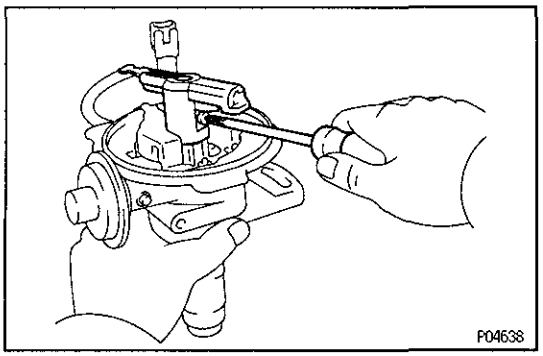


◆ Non-reusable part

P03892

IG03A–01

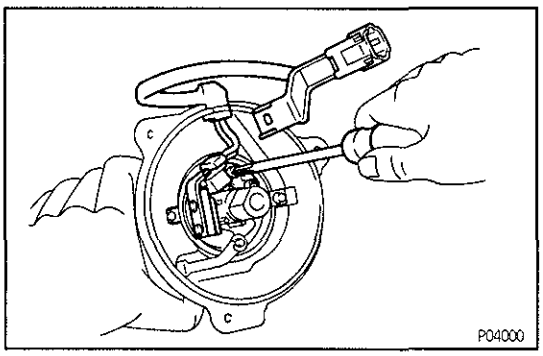
DISTRIBUTOR DISASSEMBLY



(See page IG–36)

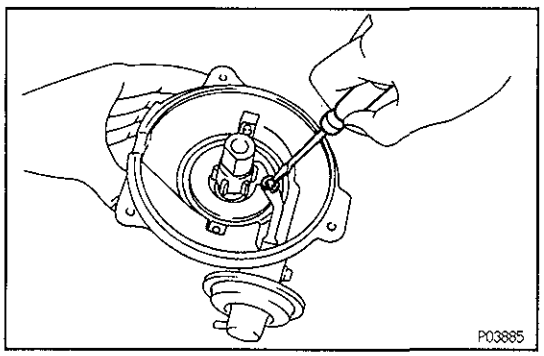
1. **REMOVE DISTRIBUTOR CAP PACKING**
2. **REMOVE ROTOR**

   Remove the screw and rotor.



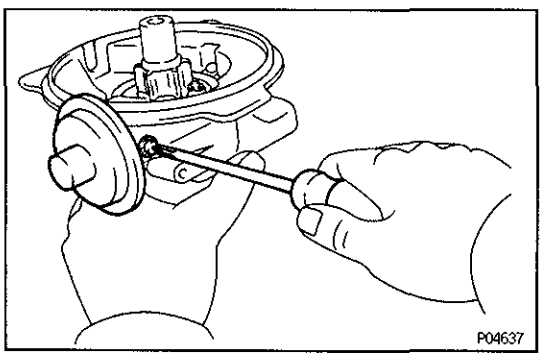
3. **REMOVE SIGNAL GENERATOR**

(a) Remove the signal generator dust proof cover.
(b) Remove the connector clamp bolt.
(c) Remove the two screws and signal generator.

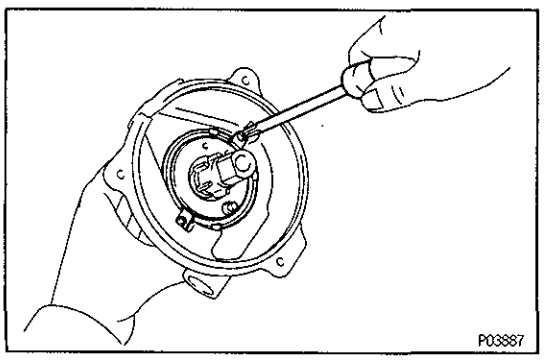


4. **REMOVE VACUUM ADVANCER**

(a) Using a screwdriver, remove the E–ring.

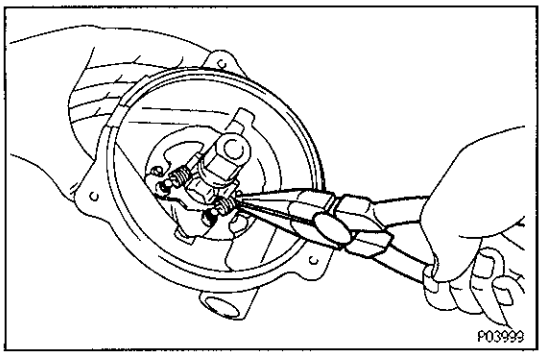


(b) Remove the screw and pull out the vacuum advancer.



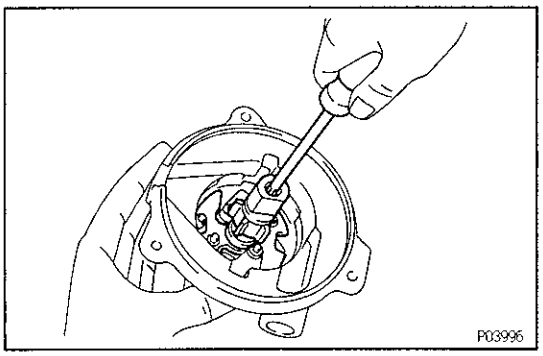
5. **REMOVE BREAKER PLATE**

(a) Remove the two screws and plate washers.
(b) Pull out the breaker plate.



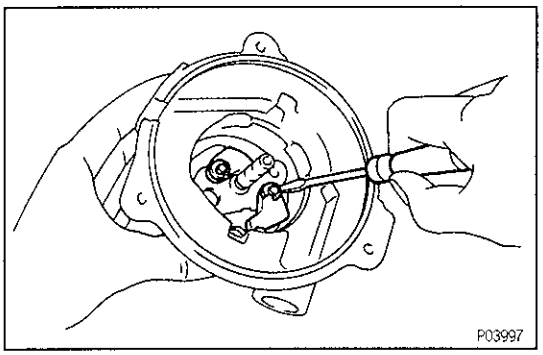
6. REMOVE GOVERNOR SPRINGS

Using needle–nose pliers, remove the two springs.



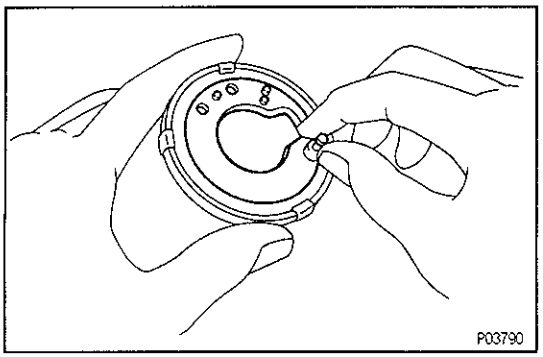
7. REMOVE SIGNAL ROTOR

(a) Remove the grease stopper.
(b) Remove the screw at the top of the governor shaft.
(c) Pull out the signal rotor.



8. REMOVE GOVERNOR WEIGHTS

Using a small screwdriver, remove the E–rings and pull out the weights.



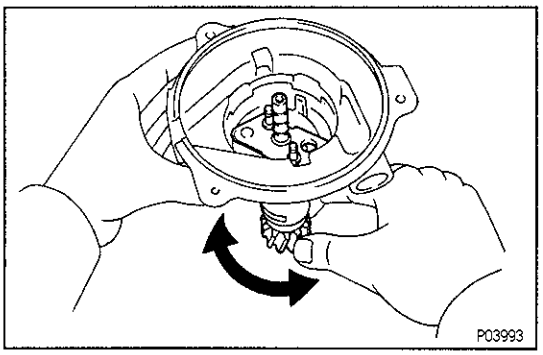
DISTRIBUTOR COMPONENTS INSPECTION

IG03B–01

1. INSPECT BREAKER PLATE

Turn the breaker plate and check that it moves with a slight drag.

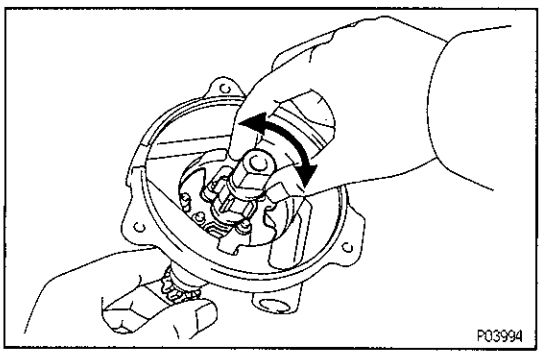
If it sticks or strongly resists, replace the breaker plate.



2. INSPECT GOVERNOR SHAFT

Turn the governor shaft and check that it is not rough or worn.

If it feels rough or worn, replace the distributor housing.



3. INSPECT SIGNAL ROTOR

Temporarily install the signal rotor to the governor shaft and check that they fit together correctly.

If necessary, replace the signal rotor or distributor housing.

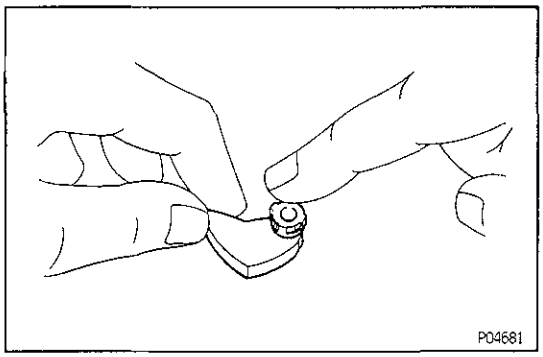
IG03E–01

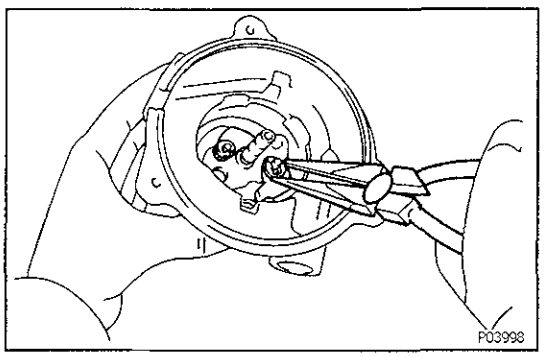
DISTRIBUTOR ASSEMBLY

(See page IG–36)

1. INSTALL GOVERNOR WEIGHTS

(a) Install the bushing to the governor weight.

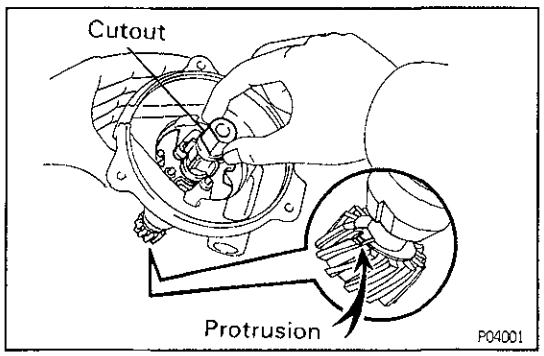


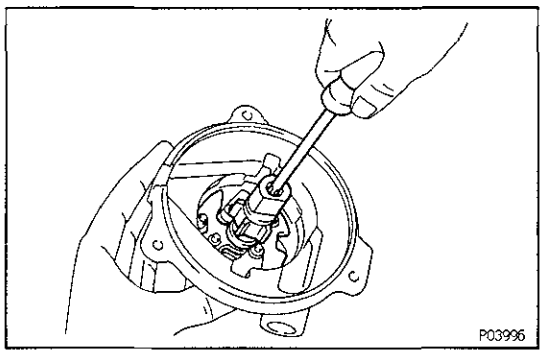


(b) Lightly coat the pivot pin of the governor shaft with high–temperature grease.
(c) Slide the weights over the small shafts.
(d) Using needle–nose pliers, install the E–rings.

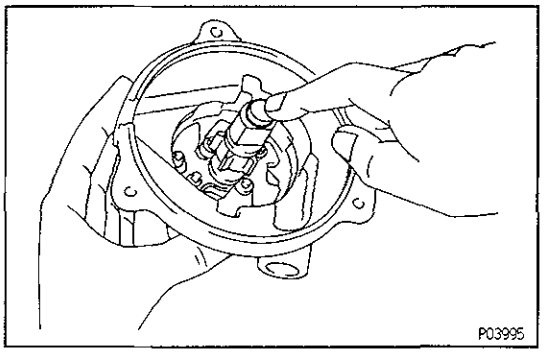
2. INSTALL SIGNAL ROTOR

(a) Lightly coat the governor shaft with high–temperature grease.
(b) Align the cutout of the signal rotor with the protrusion of the gear.

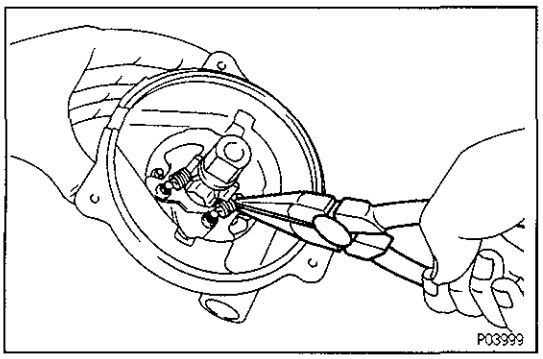




(c) Install the screw.

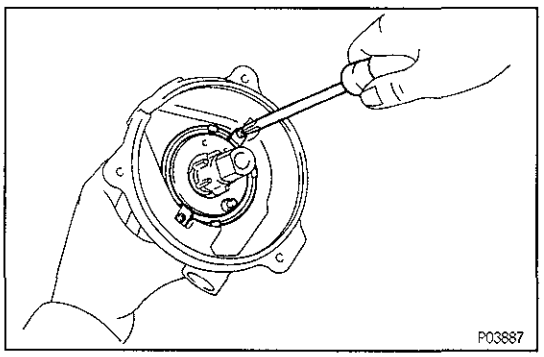


(d) Pack high–temperature grease into the signal rotor.
(e) Push on the grease stopper with your finger.



3. INSTALL GOgovernor SPRINGS

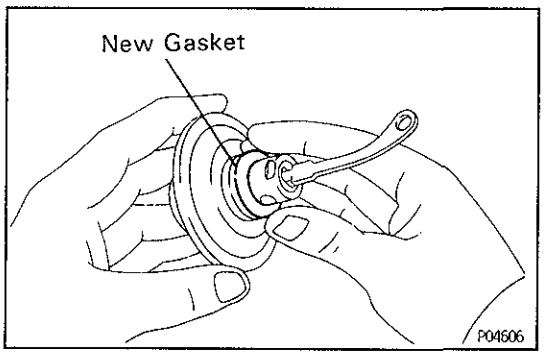
Using needle–nose pliers, install the two springs.



4. INSTALL BREAKER PLATE

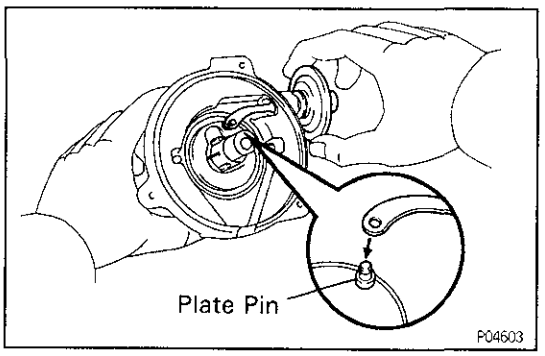
(a) Align the four clips on the breaker plate with cutout parts of the housing, and install the breaker plate.

(b) Secure the breaker plate with the two screws and plate washers.

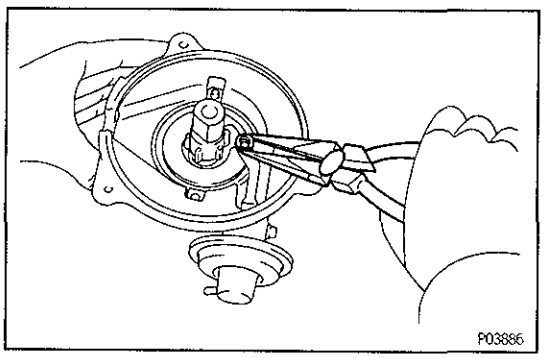


5. INSTALL VACUUM ADVANCER

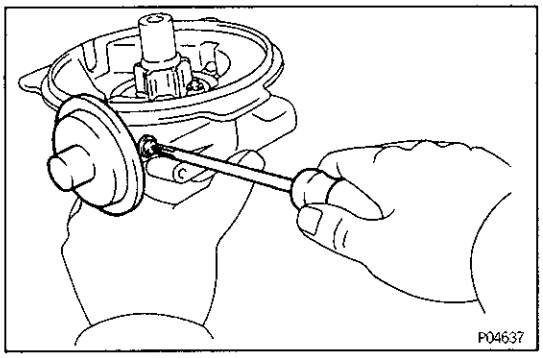
(a) Install a new gasket to the advancer.



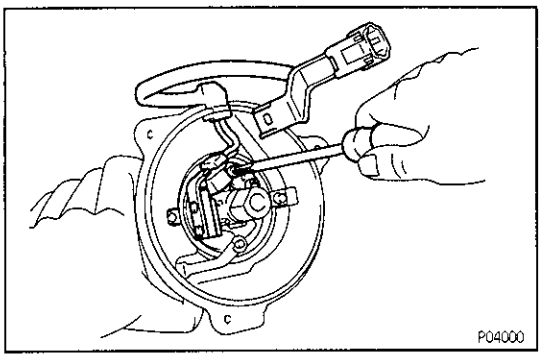
(b) Insert the vacuum advancer with the packing into the housing and position the advancer lever hole over the breaker plate pin.



(c) Using needle–nose pliers, install the E–ring.



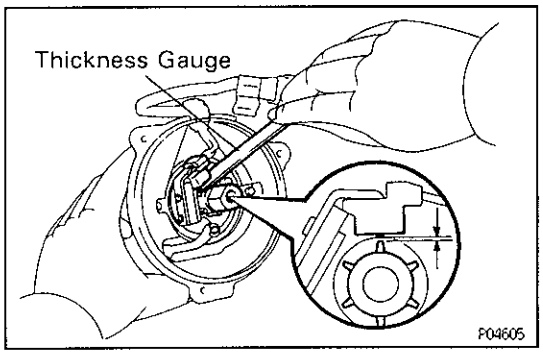
(d) Secure the vacuum advancer with the screw.



6. INSTALL AND ADJUST SIGNAL GENERATOR

(a) Loosely install the signal generator with the two screws.

(b) Install the connector clamp screw.

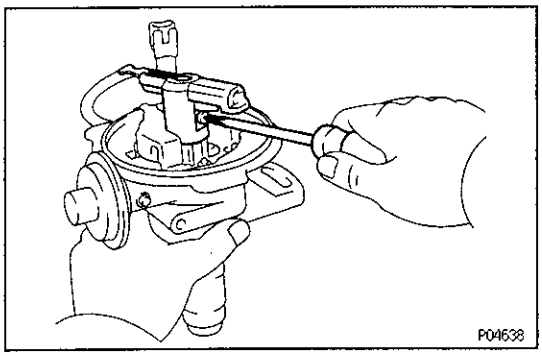


(c) Using a thickness gauge, adjust the gap between the signal generator projection with governor shaft projection.

Air gap:

0.2–0.4 mm (0.008–0.016 in.)

(d) Install the dust proof cover.



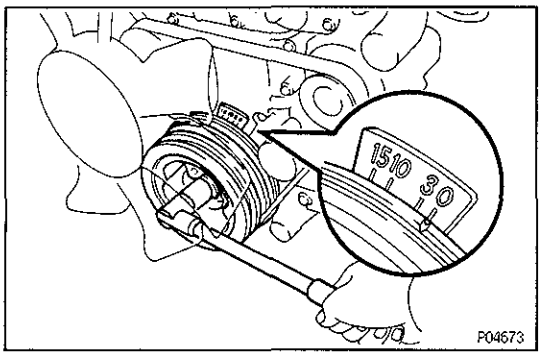
7. INSTALL ROTOR

Install the rotor with the screw.

8. INSTALL PACKING TO DISTRIBUTOR CAP

IG03G–01

DISTRIBUTOR INSTALLATION

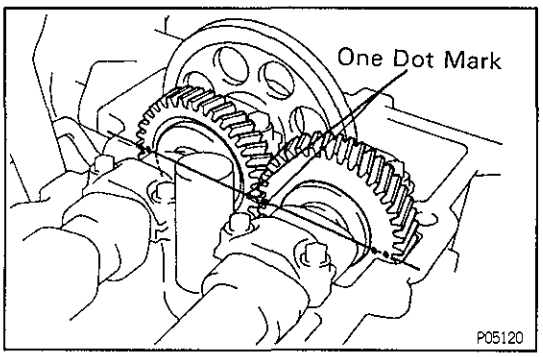


(See page IG–34)

1. CHECK NO.1 CYLINDER TO TDC/COMPRESSION

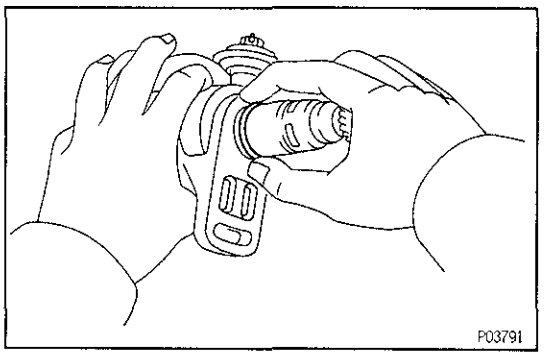
If nescessary, remove the cylinder head cover, and check the following conditions:

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



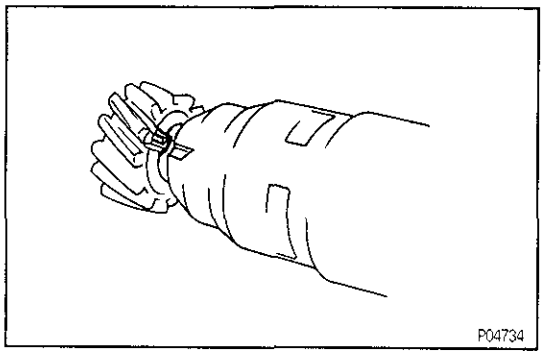
- Verify taht the timing marks with one and two dots are in straight line on the cylinder head surface as shown in the illustration.

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

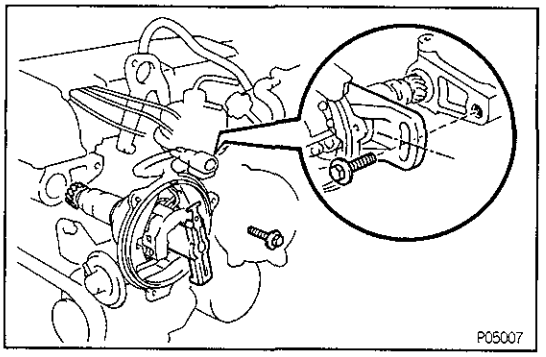


2. INSTALL DISTRIBUTOR

(a) Install a new O–ring to the distributor.
HINT: Always use a new O–ring when installing the distributor.

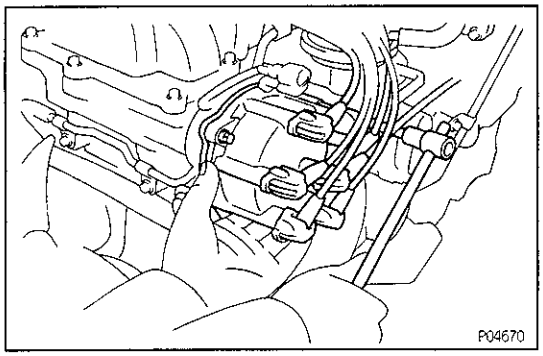


(b) Align the groove of the distributor housing with the protrusion on the driven gear.
(c) Apply a light coat of engine oil on the O–ring.



(d) Insert the distributor, aligning the center of the flange with that of the bolt hole on the cylinder head.
(e) Lightly tighten the hold–down bolt.

IG



4. INSTALL DISTRIBUTOR CAP

5. CONNECT VACUUM HOSE
6. CONNECT DISTRIBUTOR CONNECTOR
7. CONNECT CABLE TO NEGATIVE TERMINAL OF BATTERY
8. ADJUST IGNITION TIMING (See EG section)