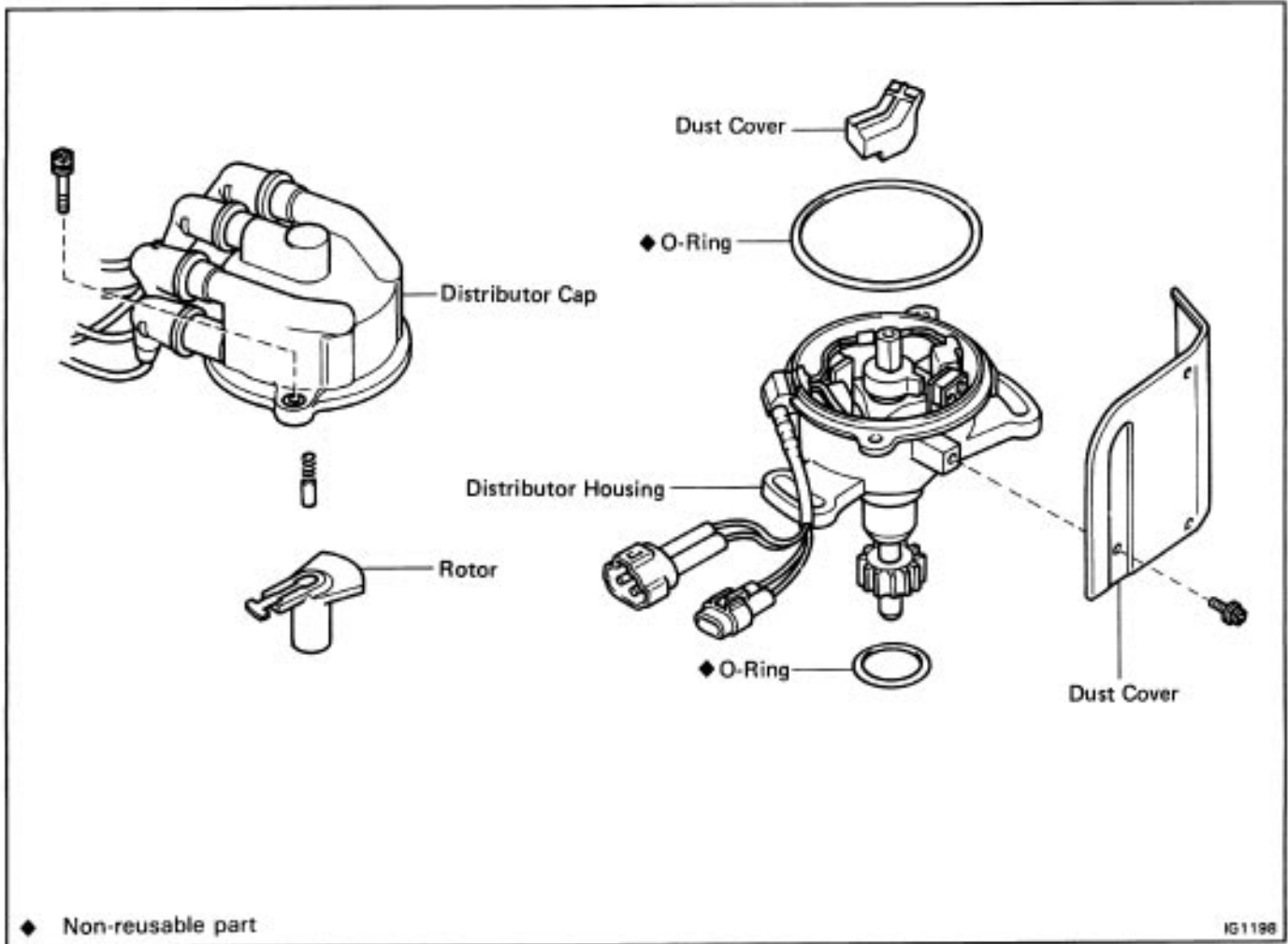


DISTRIBUTOR (4A-GE) COMPONENTS



REMOVAL OF DISTRIBUTOR

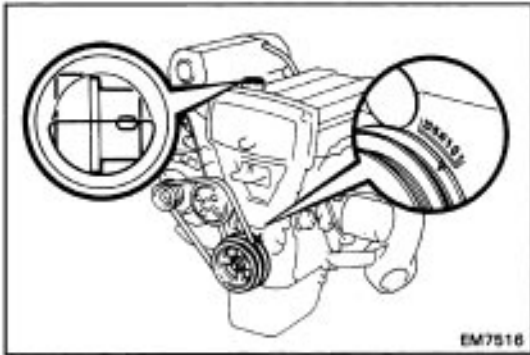
1. DISCONNECT CABLE FROM NEGATIVE TERMINAL OF BATTERY
2. DISCONNECT HIGH-TENSION CORDS FROM SPARK PLUGS AND IGNITION COIL
3. DISCONNECT DISTRIBUTOR CONNECTORS

4. REMOVE DISTRIBUTOR

Remove the hold-down bolts and pull out the distributor.

5. REMOVE O-RING





EM7516

INSTALLATION OF DISTRIBUTOR

1. SET NO. 1 CYLINDER TO TDC/COMPRESSION

- (a) Turn the crankshaft pulley, and align its groove with the "0" mark on the No. 1 timing belt cover.
- (b) Remove the oil filler cap, and check that you can see the cavity of the camshaft.

If necessary, turn the crankshaft pulley one complete revolution.

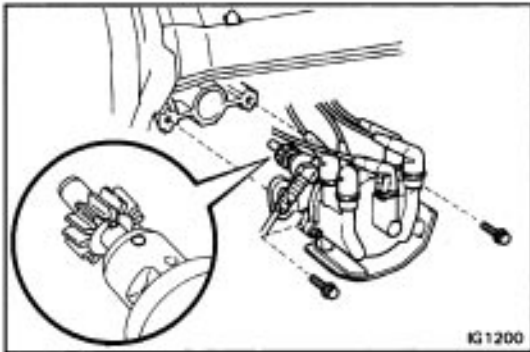


IG1202

2. INSTALL DISTRIBUTOR

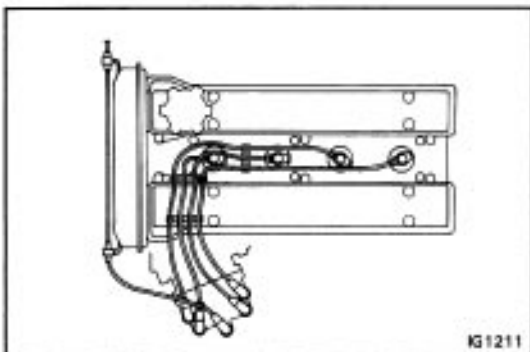
- (a) Install a new O-ring to the housing.

HINT: Always use a new O-ring when installing the distributor.



IG1200

- (b) Align the drilled mark on the driven gear with the groove of the housing.
- (c) Insert the distributor, aligning the center of the flange with that of the bolt hole on the cylinder head.
- (d) Lightly tighten the bolts.



IG1211

3. CONNECT DISTRIBUTOR CONNECTORS

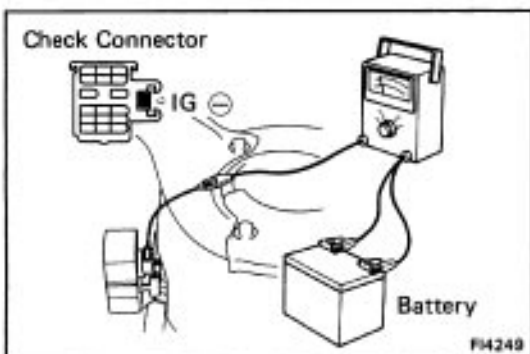
4. CONNECT HIGH-TENSION CORDS TO SPARK PLUGS AND IGNITION COIL

Connect the high-tension cords as shown in the illustration.

5. CONNECT CABLE TO NEGATIVE TERMINAL OF BATTERY

6. WARM UP ENGINE

Allow the engine to reach normal operating temperature.



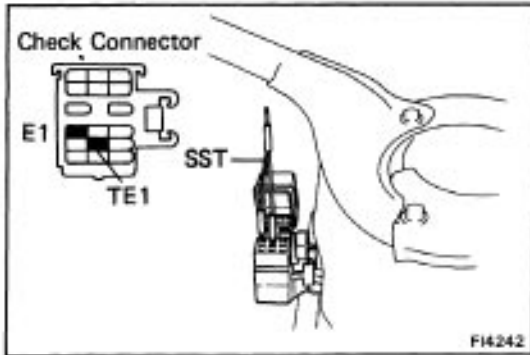
FH249

7. CONNECT TACHOMETER AND TIMING LIGHT TO ENGINE

Connect the tachometer (+) terminal to the terminal IG (-) of the check connector.

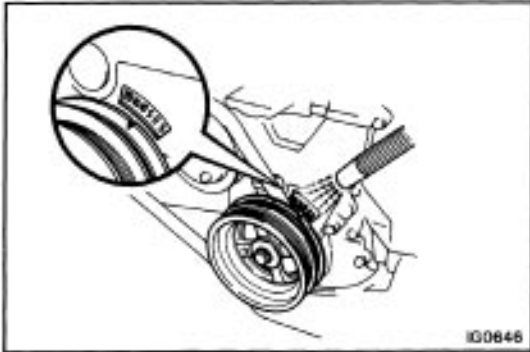
NOTICE:

- NEVER allow the tachometer terminal to touch ground as it could result in damage to the igniter and/or ignition coil.
- As some tachometers are not compatible with this ignition system, we recommend that you confirm the compatibility of your unit before using.



8. ADJUST IGNITION TIMING

- (a) Using SST, connect terminals TE1 and E1 of check connector.
SST 09843-18020



- (b) Using a timing light, check the ignition timing.

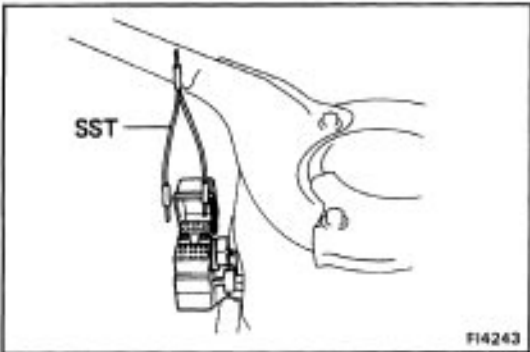
Ignition timing: 10° BTDC @ idle

(Transmission in N range)

- (c) Loosen the two hold-down bolts, and adjust by turning the distributor.

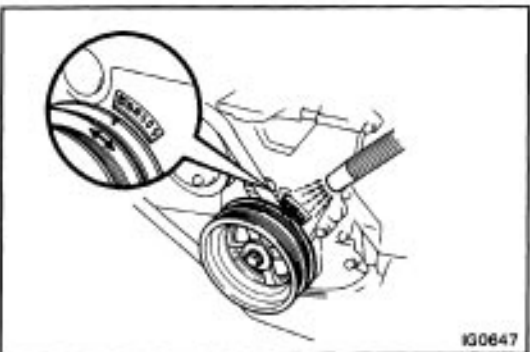
- (d) Tighten the hold-down bolts, and recheck the ignition timing.

Torque: 200 kg-cm (14 ft-lb, 20 N-m)



9. FURTHER CHECK IGNITION TIMING

- (a) Remove SST from the check connector.
SST 09843-18020



- (b) Check the ignition timing.

Ignition timing: 9-19° BTDC @ idle

(Transmission in N range)

HINT: The timing mark moves in a range between 9° and 19°.

- (c) Disconnect the tachometer and timing light.