

COMPRESSION CHECK

HINT: If there is lack of power, excessive oil consumption or poor fuel economy, measure the compression pressure.

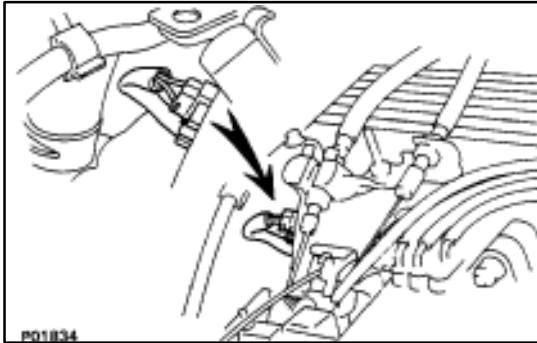
1. WARM UP AND STOP ENGINE

Allow the engine to warm up to normal operating temperature.

2. REMOVE NO.3 TIMING BELT COVERS

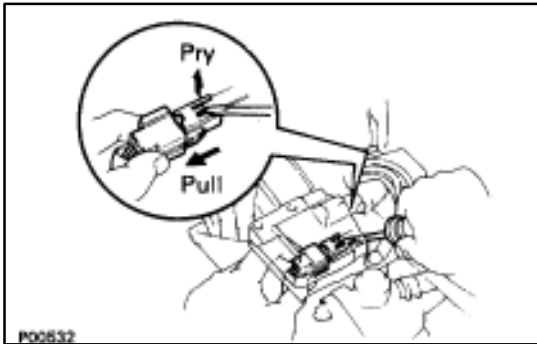
(See steps 1, 5 to 10 and 14 on pages [EM-11](#) to 13)

3. DISCONNECT COLD START INJECTOR CONNECTOR

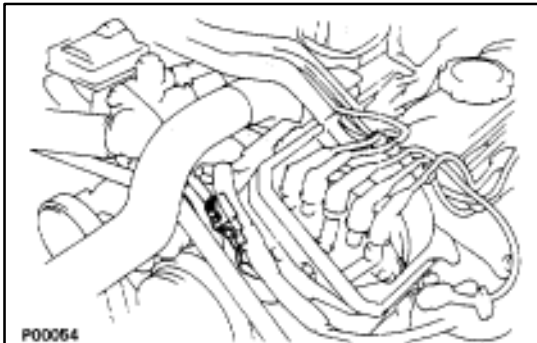


4. DISCONNECT RH CAM POSITION SENSOR CONNECTOR

- (a) Disconnect the connector from the ignition coil bracket.
- (b) Disconnect the sensor connector.



5. DISCONNECT LH CAM POSITION SENSOR CONNECTOR

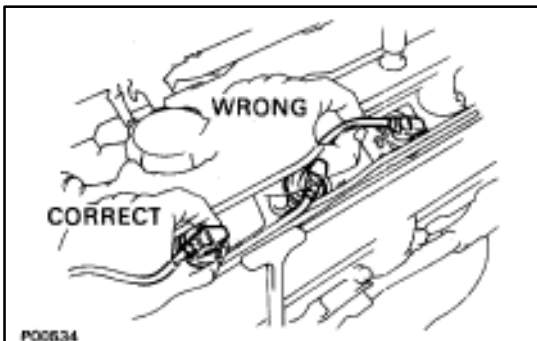


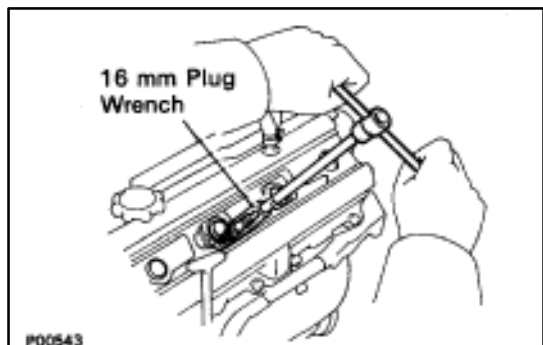
6. REMOVE SPARK PLUGS

- (a) Disconnect the eight high-tension cords from the spark plugs.

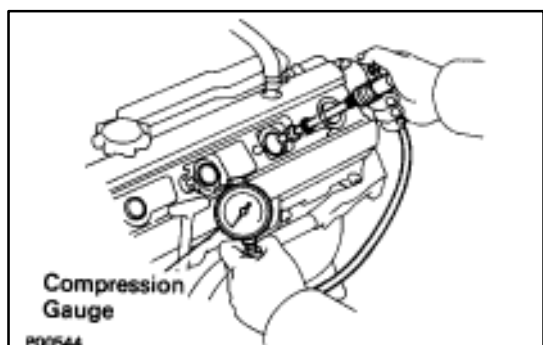
Disconnect the high-tension cords at rubber boot. Do not pull on the cords.

NOTICE: Pulling on or bending the cords may damage the conductor inside.





- (b) Using a 16 mm spark plug wrench, remove the eight spark plugs.



7. CHECK CYLINDER COMPRESSION PRESSURE

- Insert a compression tester into the spark plug hole.
- Fully open the throttle.
- While cranking the engine, measure the compression pressure.

HINT: Always use a fully charged battery to obtain engine revolution of 250 rpm or more.

- Repeat steps (a) through (c) for each cylinder.

NOTICE: This measurement must be done in as short time as possible.

Compression pressure:

1,226 kPa (12.5 kgf/cm, 178 psi) or more

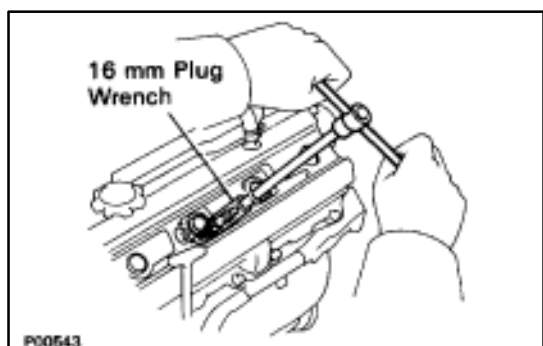
Minimum pressure:

981 kPa (10.0 kgf/cm, 142 psi)

Difference between each cylinder:

98 kPa (1.0 kgf/cm, 14 psi) or less

- If the cylinder compression in one or more cylinders is low, pour a small amount of engine oil into the cylinder through the spark plug hole and repeat steps (a) through (c) for the cylinder with low compression.
 - If adding oil helps the compression the piston rings and/or cylinder bore are probably worn or damaged.
 - If pressure stays low, a valve may be sticking or seating improper, or there may be leakage past the gasket.

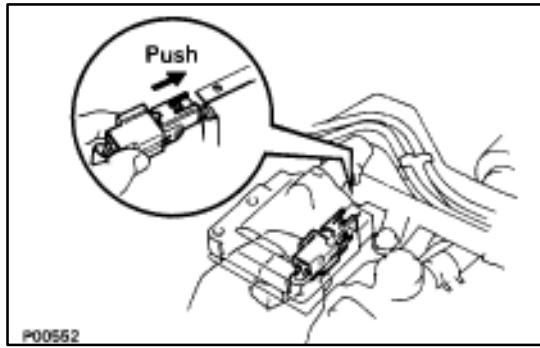


8. REINSTALL SPARK PLUGS

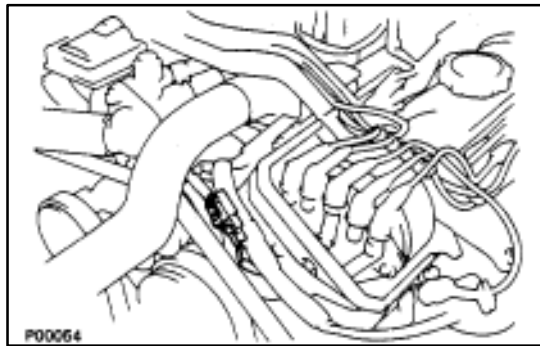
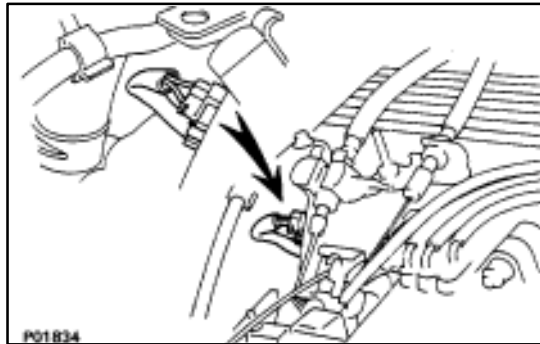
- Using a 16 mm plug wrench, install the eight spark plugs.

Torque: 18 N·m (180 kgf·cm, 13 ft·lbf)

- Connect the eight high-tension cords to the spark plugs.
- Fit the high-tension cords to the cord clamps.
(See page [IG-16](#))

**9. RECONNECT RH CAM POSITION SENSOR CONNECTOR**

- (a) Connect the sensor connector.
- (b) Connect the connector to the ignition coil bracket.

**10. RECONNECT LH CAM POSITION SENSOR CONNECTOR****11. RECONNECT COLD START INJECTOR CONNECTOR****12. REINSTALL NO.3 TIMING BELT COVERS**

(See steps 28 to 30, 34 to 37, 40 and 41 on pages [EM-25](#) to 27)