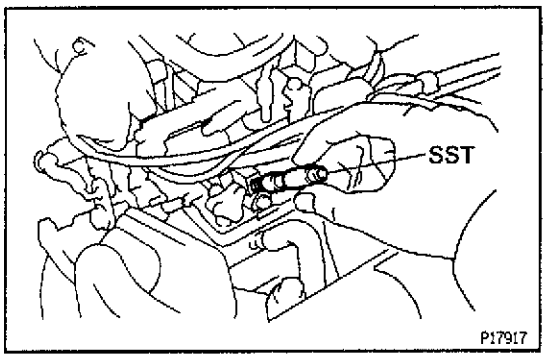
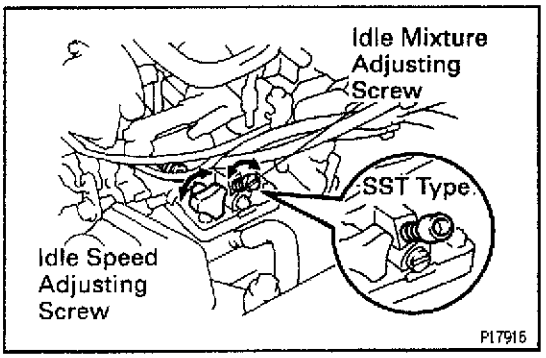


3. ADJUST IDLE SPEED AND IDLE MIXTURE

HINT: Use SST if necessary.
SST 09243–00020

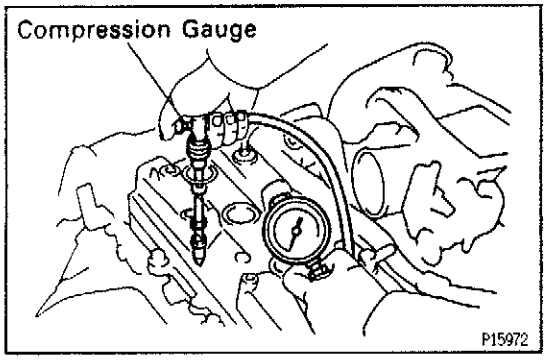


(a) Start the engine.
(b) Set to the maximum speed by turning the idle mixture adjusting screw.
(c) Set to the idle mixture speed by turning the idle speed adjusting screw.
Idle mixture speed:
850 rpm
(d) Before moving to the next step continue adjustments (b) and (c) until the maximum speed will not rise any further no matter how much the idle mixture adjusting screw is adjusted.
(e) Set to the idle speed by screwing in the idle mixture adjusting screw.
Idle speed:
750 – 850 rpm
This is Lean Drop Method for setting idle speed and mixture.

COMPRESSION CHECK

EG64C–02
HINT: If there is lack of power, excessive oil consumption or poor fuel economy, measure the compression pressure.

1. **WARM UP AND STOP ENGINE**
2. **3RZ–FE:**
REMOVE INTAKE AIR CONNECTOR
3. **REMOVE DISTRIBUTOR CONNECTORS**
4. **DISCONNECT HIGH–TENSION CORDS FROM SPARK PLUGS**
NOTICE: Pulling on or bending the cords may damage the conductor inside.
5. **REMOVE SPARK PLUGS**



6. CHECK CYLINDER COMPRESSION PRESSURE

(a) Insert a compression gauge into the spark plug hole.

(b) Fully open the throttle.

(c) While cranking the engine, measure the compression pressure.

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

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

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

Compression pressure:

1,230 kPa (12.5 kgf/cm², 178 psi) or more

Minimum pressure:

880 kPa (9.0 kgf/cm², 127 psi)

Difference between each cylinder:

98 kPa (1.0 kgf/cm², 14 psi) or less

(e) 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 cylinders with low compression.

- If adding oil helps the compression, chances are that the piston rings and/or cylinder bore are worn or damage.
- If pressure stays low, a valve may be sticking or seating is improper, or there may be leakage past the gasket.

7. REINSTALL SPARK PLUGS

Torque: 19 N·m (200 kgf·cm, 14 ft·lbf)

8. REINSTALL HIGH—TENSION CORDS TO SPARK PLUGS

9. RECONNECT DISTRIBUTOR CONNECTOR

10. 3RZ—FE:

REINSTALL INTAKE AIR CONNECTOR