ST0HJ–01

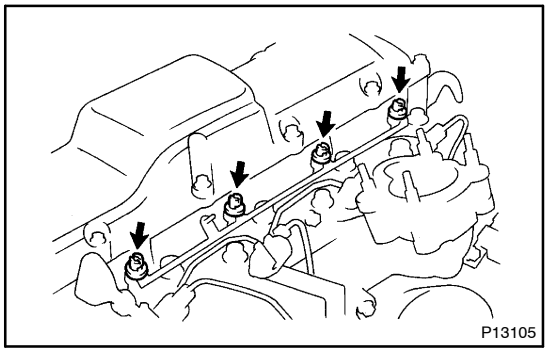
REPLACEMENT

REPLACE GLOW PLUGS

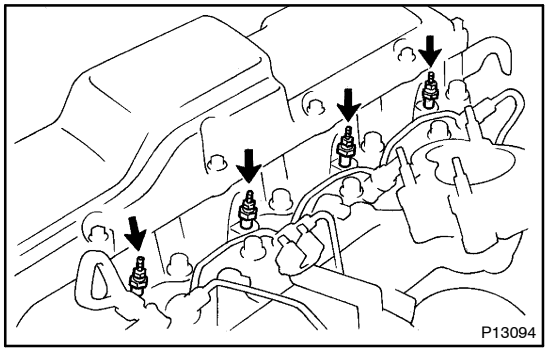
NOTICE:

- **The cylinder head and glow plug hole can seize up with carbon deposits. And if the glow plug is forcefully twisted when you remove it, the torsion can crack the ceramic. So keep removal of the glow plugs to a minimum.**
- **The heater element is ceramic. So if you drop or knock a glow plug even once, replace the glow plug. Replace it regardless of it being new or used, having a normal resistance value and no sign of external damage.**

(a) Remove the intake pipe. (See page EM–44)



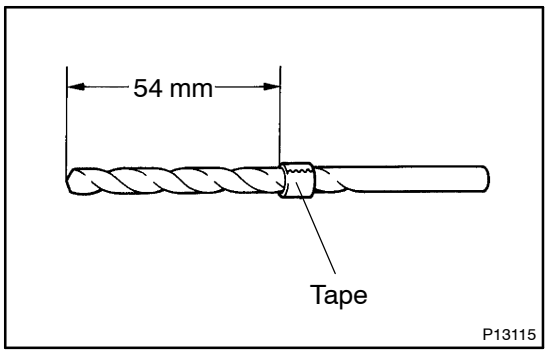
(b) Remove the glow plugs.
  (1) Remove the 4 screw grommets from the glow plugs.
  (2) Remove the ground wire from the glow plug.
  (3) Remove the 4 nuts and glow plug connector from the glow plugs.



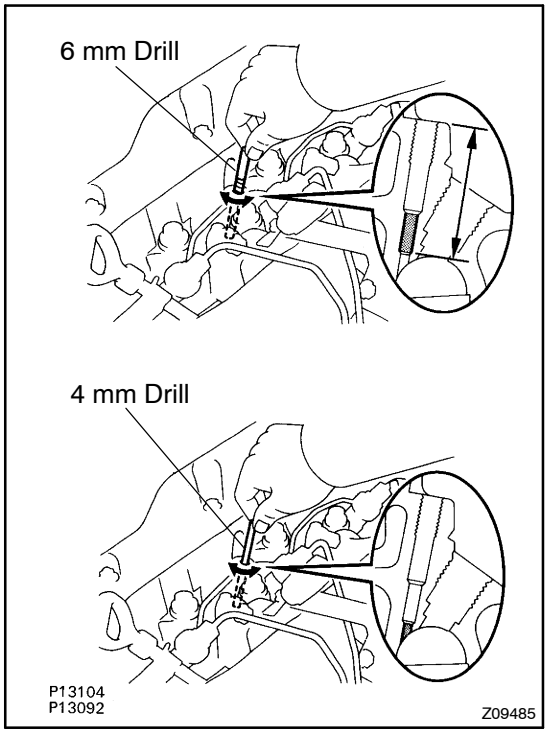
  (4) Using a 12 mm deep socket wrench, remove the 4 glow plugs from the cylinder head.

NOTICE:

Before reinstalling glow plugs, always first remove the carbon from the glow plug hole according to the following procedure.

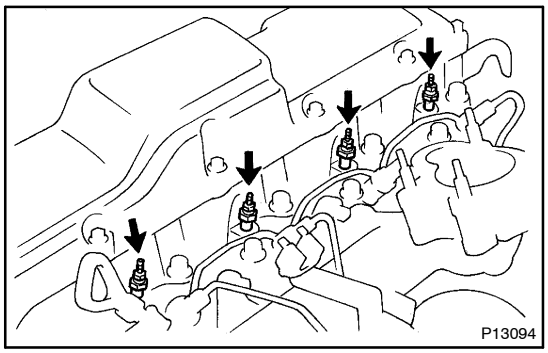


(c) Install the glow plugs.
  (1) Wind tape back for 54 mm (2.13 in.) from the tip of a 6 mm drill.



(2) Insert the taped 54 mm (2.13 in.) of the drill into the plug hole and turn the drill by hand to remove the carbon.

(3) Insert a 4 mm drill into the glow plug hole and turn the drill by hand to remove the carbon from the tip of the plug hole.

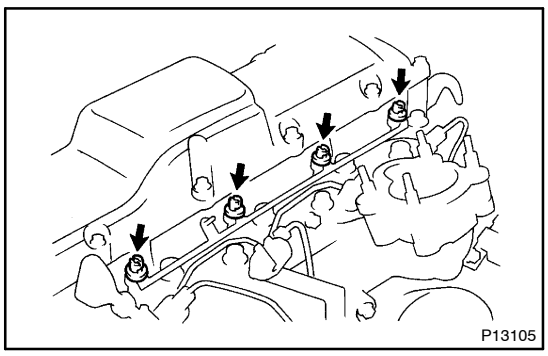


(4) Using a 12 mm deep socket wrench, install the 4 glow plugs to the cylinder head.

Torque: 13 N·m (130 kgf·cm, 10 ft·lbf)

(5) Install the glow plug wire to the glow plug.

(6) Install the glow plug connector to the glow plugs with the 4 nuts.



(7) Install the 4 screw grommets to the glow plugs.

(d) Install the intake pipe. (See page EM–64)