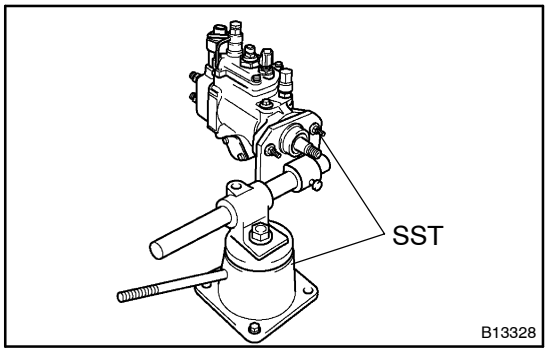
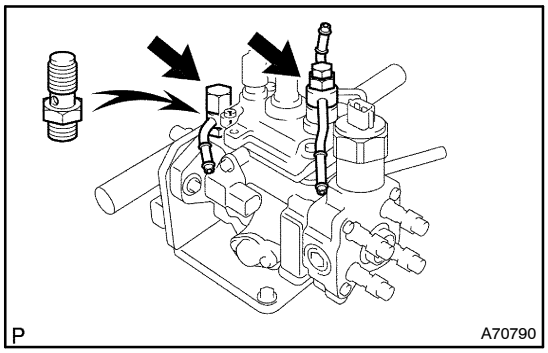
110LB–01

OVERHAUL

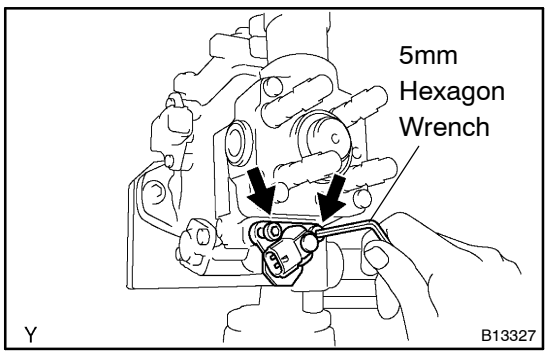


1. MOUNT PUMP ASSEMBLY TO SST (STAND)
SST 09241–76022, 09245–54010

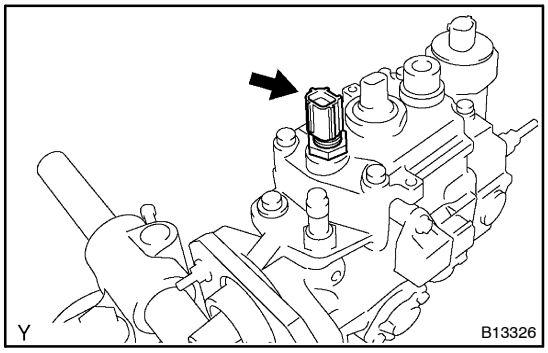


2. REMOVE NOZZLE LEAKAGE PIPE NO.4
(a) Remove the overflow screw, nozzle leakage pipe and 2 washers.

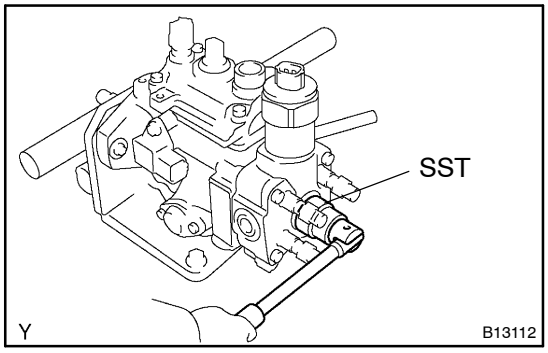
3. REMOVE FUEL FILTER TO INJECTION PUMP FUEL PIPE
(a) Remove the cap nut, fuel pipe and 2 washers.
(b) Remove the fuel inlet hollow screw and washer.



4. REMOVE TIMER CONTROL VALVE ASSY
(a) Using a 5 mm hexagon wrench, remove the 2 bolts and timing control valve.

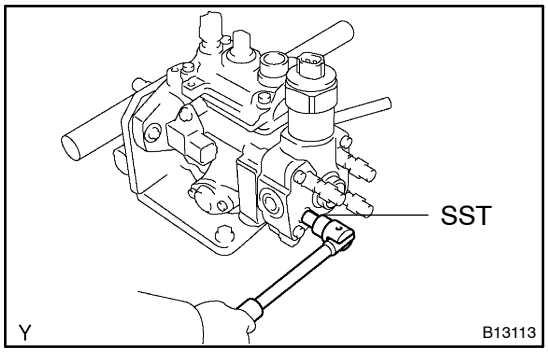


5. REMOVE FUEL TEMPERATURE SENSOR
(a) Using a 19 mm deep socket wrench, remove the fuel temperature sensor.



6. REMOVE DISTRIBUTIVE HEAD PLUG

(a) Using SST, remove the distributive head plug.
SST 09260–54012 (09262–54010)



7. REMOVE SNUBBER VALVE SUB–ASSY

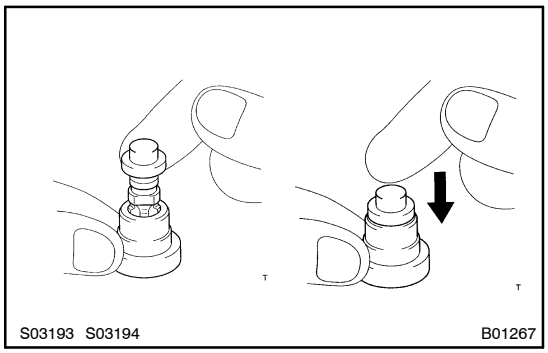
(a) Using SST, remove the 4 delivery valve holders and springs.
SST 09260–54012 (09269–54020)
(b) Remove the 4 delivery valves and gaskets.

NOTICE:

Do not touch the sliding surfaces of the delivery valve with your hand.

HINT:

Arrange the delivery valves, springs, and holders in order.



8. INSPECT INJECTION PUMP DELIVERY VALVE SUB–ASSY

NOTICE:

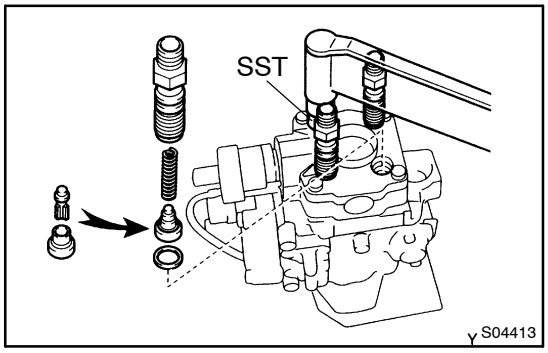
Do not touch the sliding surfaces of the delivery valves.

(a) Pull up the valve, release it.
(b) Check that it sinks smoothly to the valve seat.

If operation is not as specified, replace the valve as a set.

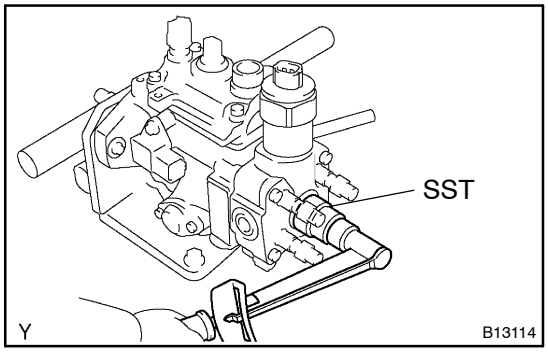
HINT:

Before using a new valve set, wash off the rust prevention compound with diesel fuel. Then re–wash with diesel fuel and perform the above test.



9. INSTALL SNUBBER VALVE SUB–ASSY

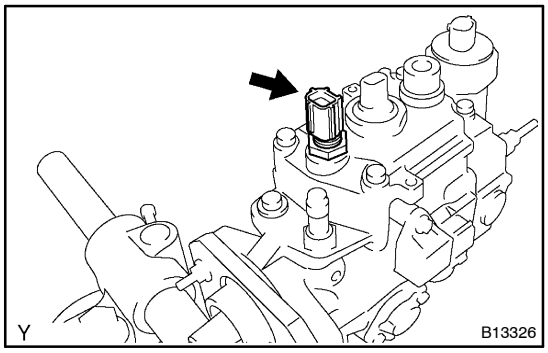
(a) Install new gaskets and the valves into distributive head.
(b) Install the springs into the delivery valve holders.
(c) Using SST, install the delivery valve holders.
SST 09260–54012 (09269–54020)
Torque: 59 N·m (600 kgf·cm, 43 ft·lbf)



10. INSTALL DISTRIBUTIVE HEAD PLUG

(a) Install a new O–ring to the distributive head plug.

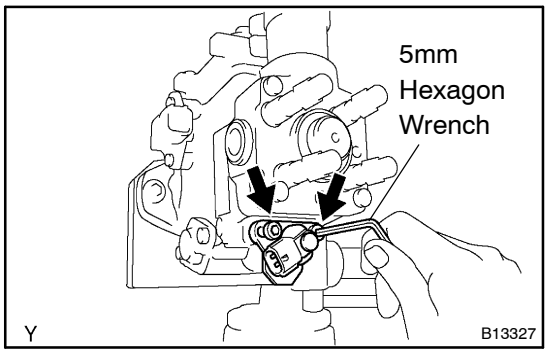
(b) Using SST, install the head plug.
SST 09260–54012 (09262–54010)
Torque: 88 N·m (900 kgf·cm, 65 ft·lbf)



11. INSTALL FUEL TEMPERATURE SENSOR

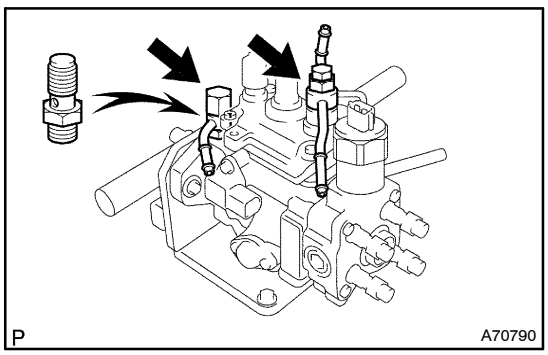
(a) Install a new O–ring to the fuel temperature sensor.

(b) Using a 19 mm deep socket wrench, install the fuel temperature sensor.
Torque: 22 N·m (220 kgf·cm, 16 ft·lbf)



12. INSTALL TIMER CONTROL VALVE ASSY

(a) Using a 5 mm hexagon wrench, install the timing control valve with the 2 bolts.



13. INSTALL FUEL FILTER TO INJECTION PUMP FUEL PIPE

(a) Install a new washer and the hollow screw.
Torque: 37 N·m (375 kgf·cm, 27 ft·lbf)

(b) Install the fuel pipe with 2 new washers and the cap nut.
Torque: 27 N·m (271 kgf·cm, 20 ft·lbf)

14. INSTALL NOZZLE LEAKAGE PIPE NO.4

(a) Install the nozzle leakage pipe with 2 new washers and the overflow screw.
Torque: 27 N·m (271 kgf·cm, 20 ft·lbf)