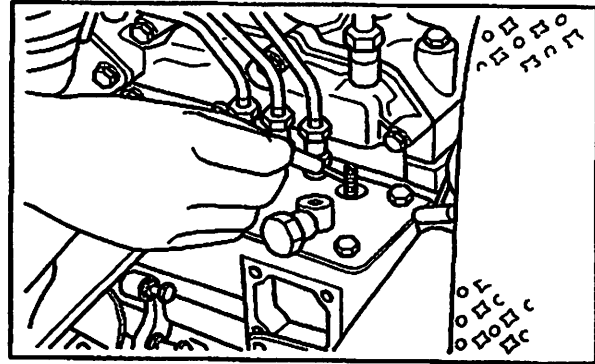


1.4 Inspecting and adjusting the fuel injection timing

(1) Preparations

- (a) Close the fuel filter cock.
- (b) Disconnect the No. 1 fuel injection pipe at both ends.
- (c) Remove the No. 1 delivery valve holder. Take out the delivery valve and the spring. Install the delivery valve holder only.



Removing the delivery valve and the spring

- (d) Reconnect the No. 1 fuel injection pipe at the pump end only to see the fuel flow.
- (e) Set the speed control lever to LOW speed.

(2) Inspecting the fuel injection timing

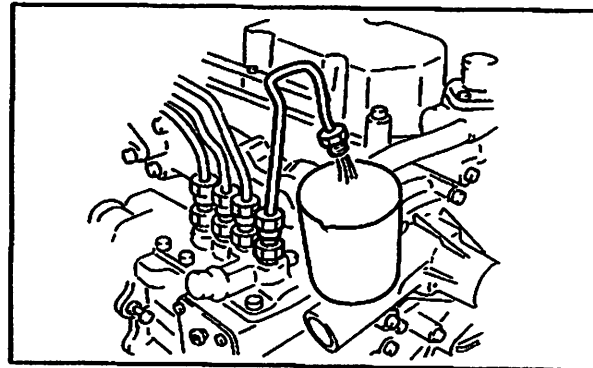
- (a) Open the fuel filter cock. If the engine is equipped with a fuel pump, turn the key ON.

Note: Place a container under an open end of the fuel injection pipe to collect fuel coming out in the next step. On the engine equipped with a fuel pump, be prepared as fuel will come out fiercely.

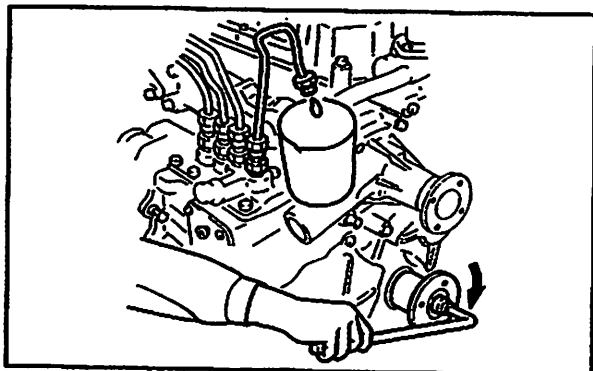
- (b) Slowly rotate the crankshaft clockwise. Fuel will come out of the fuel injection pipe. The injection timing (IT) is just when the fuel stops coming out.

Note: When fuel has stopped coming out, slightly rotate the crankshaft in the reverse direction and then slowly rotate it clockwise to let fuel come out. This will show more exactly when fuel stops coming out.

- (c) Just when fuel stops coming out, the IT mark on the crankshaft pulley should be aligned with the counter mark on the gear case.

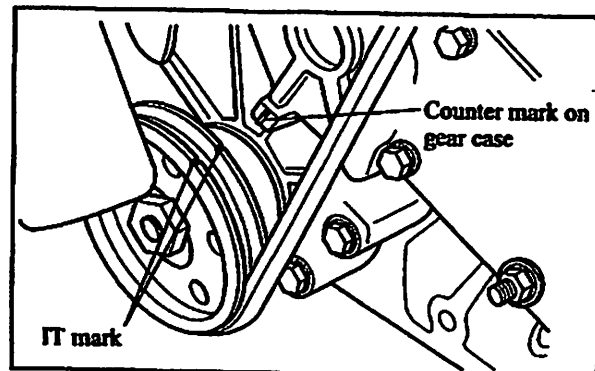


Fuel coming out



Fuel stops coming out

Injection timing (BTDC)
17°



Timing marks (2)