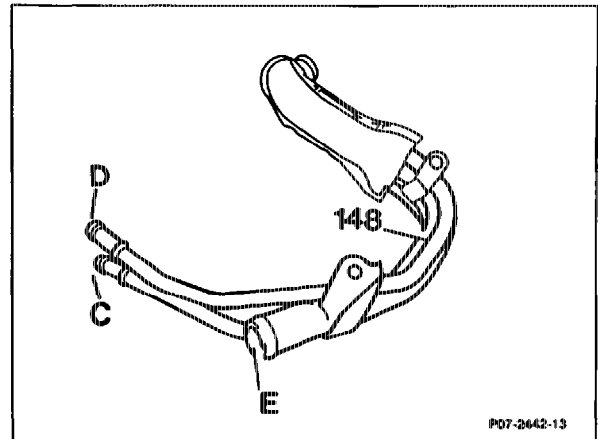


E. Fuel preheater (148)

A heat exchanger (148) is installed in the inlet line of the heater to preheat the fuel.

Heat exchanger
C Inlet line
D Return line
E Heater inlet
148 Heat exchanger



Function

Full preheating up to + 8 °C fuel temperature; the required fuel is drawn in through the heat exchanger by the fuel pump.

From + 8 °C up to + 25 °C mixed operation; the required fuel flows partially through the heat exchanger.

Above + 25 °C the heat exchanger is bypassed by the thermostat; the fuel is drawn in directly by the fuel pump. Fuel preheating ensures trouble-free operation with winter-grade diesel fuel as a rule down to approx. -25 °C ambient temperature.

Fuel thermostat
A Inlet line from fuel tank
B Suction line to fuel pump
C Inlet line to heat exchanger
D Return line from heat exchanger

