

Fuel heater of a diesel internal combustion engine comprises a liquid pump and a heat exchanger designed as a boiler, an auxiliary piping fitted with a heat exchanger and a control damper, which is connected to the engine's exhaust pipe. The exhaust pipe from the vehicle's autonomous cabin air heater, which has a control damper installed in it, is connected to this auxiliary piping. A self-regulating heating cable is attached externally to the fuel pipes, fuel filters, and fuel pumps; power is supplied to this cable from a separately installed accumulator battery via a switch before the diesel engine is started.