

The invention relates to the fighting armored machines. A heater of the system of pre-start heating of combustion engine of tank has a boiler with combustion chamber equipped with nozzle and a spark plug, a heat exchanger in front of which a screen-stabilizer of flame is installed, as hollow truncated cone, a supercharger with pump and a fan. The stabilizer of flame is made perforated, at the side of the smaller base of the cone it is equipped with plug, with the larger base it is installed to the side of outlet opening of the combustion chamber and coaxially to it (the opening), at that the area of the inlet cross-section of the stabilizer is equal or larger than the area of the outlet cross-section of the combustion chamber.