

Cross-Sectional View of the BN-4 Heater

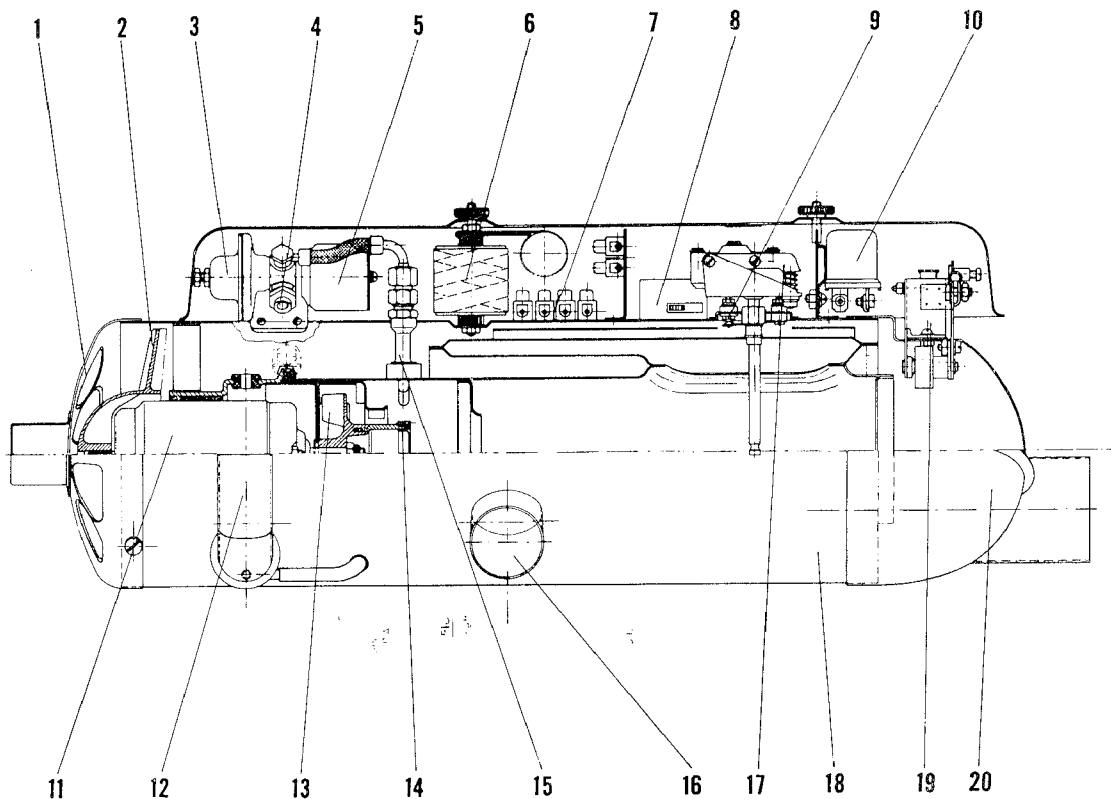


Fig. 2

- |                           |                                   |
|---------------------------|-----------------------------------|
| 1. Ventilating air intake | 11. Blower motor                  |
| 2. Ventilating air blower | 12. Combustion air intake         |
| 3. Pressure regulator     | 13. Combustion air blower         |
| 4. Fuel line connector    | 14. Diffuser                      |
| 5. Fuel solenoid          | 15. Nozzle                        |
| 6. Ignition coil          | 16. Exhaust duct                  |
| 7. Junction block         | 17. Thermoswitch with heat sensor |
| 8. Safety switch          | 18. Outside shell                 |
| 9. Overheat switch        | 19. Heat control switch           |
| 10. Relay switch          | 20. Warm air distributor          |

#### Heat system components

The heat exchanger is enclosed by a cylindrical jacket of 150 mm diameter, and consisting of a central cylinder with a concentric annular area. Located in the front end of the heat exchanger is the combustion chamber and an electric motor with blower fans for combustion and ventilating air. A sheetmetal shell encases the heater assembly. Mounted on the shell is a pressure regulator with a fuel solenoid valve. The fuel flows from the electric fuel pump to the pressure regulator and the fuel solenoid, then to a nozzle which is located in a vertically positioned tube.