

6. REPAIRING INSTRUCTION

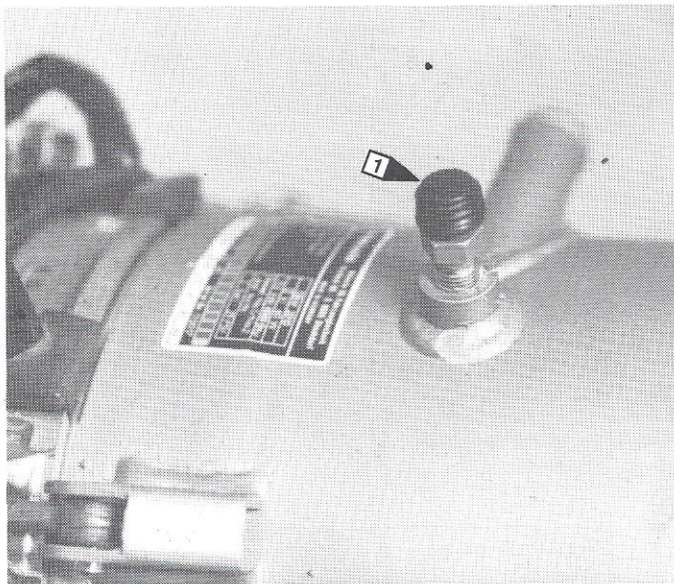
6.1 Important operating tips

- Maintenance of the heater is necessary for proper operation. Read and understand the manual handbook before you attempt to repair.
- If the vehicle requires electric welding, the heater must be electrically disconnected from the vehicle (both “+” and “-” connections)
- The heater should not be operated in enclosed areas as garages, shops, etc., without connections to an exhaust extraction system.
- The battery must not be disconnected while the heater is running, otherwise the heater will overheat.
- The heater should be shut off when refueling.
- It is recommended that the diesel heater is switched on and operated periodically during the off season (summertime).
- It is very important that the heater is inspected once a year, even if it works properly. A good time to do this is prior to the season for its use.

6.2 Bleeding the cooling system

Check your installation of DBW series Heater. Check for restriction on the system (pinched hoses, air in system, coolant pump operation, polarity of coolant pump electrical connectors, brown wire to A-1 — see pages 8 - 11 on control unit). Check coolant inlet and outlet on coolant pump. Coolant inlet to be fed by static pressure of engine cooling system, coolant pump discharge to lower connection on heater. Check mounting position with Webasto installation drawing.

1. Fill cooling system.
2. Disconnect control thermostat (#5 in wiring diagram - pages 8 - 10).
3. Set heater valve to maximum heat, if so equipped.
4. Turn heater on. This will start coolant circulating pump only.
5. Remove upper heater hose clamp and push screw driver in between pipe and hose to let air escape. Repeat this at least four times with engine running or use bleeder valve if so equipped (1).

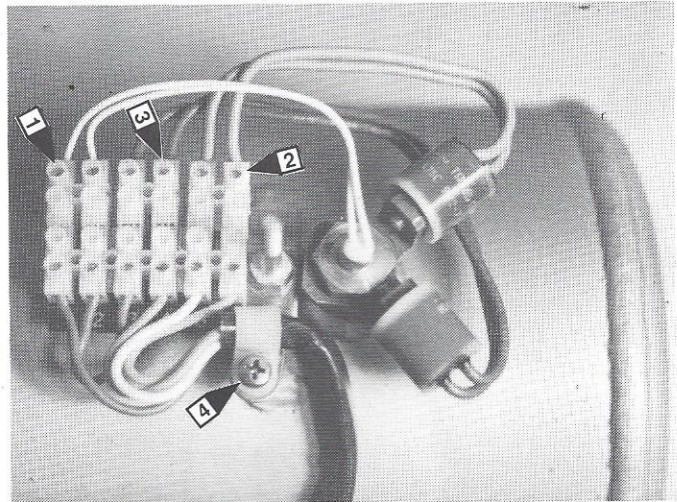


6. Reconnect coolant hose and plug in thermostat. Add coolant. Start heater and check for operation.
7. Temperature differential between coolant inlet and outlet should not exceed 10° C (18° F) after 5 minutes of operation.

6.3 Removing the burner unit

Replacement of certain components in the combustion unit is made easier if the burner unit is first removed and placed on a bench.

1. Remove the cover on the thermostats, and pull out the connection for the overheat fuse (1), control thermostat (2) and temperature limiter (3), unscrew the clamp (4) and lift up the connectors.



2. Remove block connectors A and B from the control unit and disconnect the fuel lines from the heater connection pipes. Plug the pipes.

