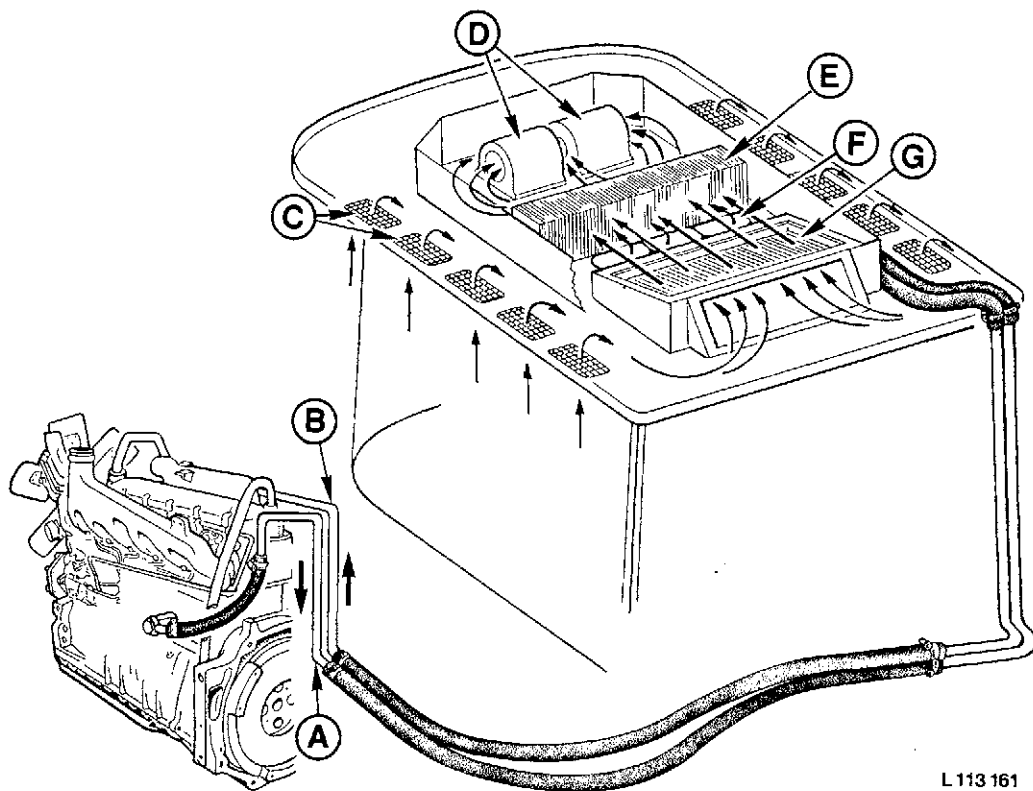


**OPERATION**

The cab heater is connected to the cooling system of the tractor engine. The hot coolant flows from the engine block via supply hoses and pipes to the radiator, and from there to the heater regulator. This regulator has the function of controlling or shutting off the flow of coolant as the operator desires. With the regulator open, coolant returns to the water pump via the return hose. The double fan draws in outside air through intake openings on both sides of the cab.

The air then passes through the air filter into the first chamber. Used air is also drawn from the cab interior into the first chamber through the recycle filter, where it mixes with the outside air. This air flows through radiator or, if the tractor is equipped with an air conditioning system, through radiator and evaporator into the second chamber. The double fan presses the air through air ducts into the cab.

The double fan slightly pressurizes the cab, thus preventing the entry of dust.



A—Supply hose (from cylinder block)  
B—Return hose (to water pump)  
C—Air intake openings

D—Fan  
E—Radiator (or radiator and evaporator)

F—Air recycle filter  
G—Air filter

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## **DIAGNOSING MALFUNCTIONS**

### **Inadequate Fresh Air Supply**

Main and recycle filter contaminated  
Air intake openings clogged  
Fan motor defective  
Fan motor switch defective  
Loose cable connection

### **Fan Not Operating**

Fan motor defective  
Fan motor switch defective  
Electrical cable broken or loose connection  
Power circuit interrupted

### **Slow or Intermittent Fan Operation**

Motor shaft seized  
Loose electrical connections  
Fan motor switch defective

### **Inadequate Heating**

Engine thermostat defective  
Foreign bodies in heater core or hoses  
Heater valve not working properly  
Pressurizer blowers not working properly  
Obstruction in air inlet

### **Inadequate Removal of Ice or Fog**

Redirect air louvers  
Pressurizer blowers not working properly  
Heater valve not working properly

### **Heater Valve Not Shutting Off Coolant Flow**

Inlet and outlet hoses reversed  
Heater valve defective

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