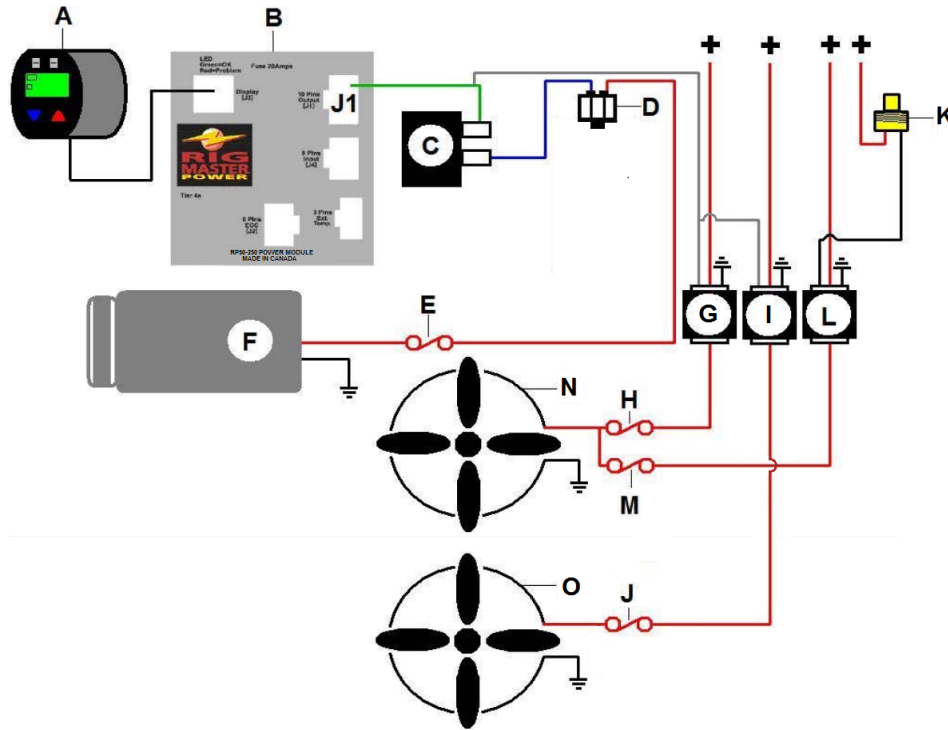


MTS-T4-LG200 Service Manual Update

If you have any further questions or concerns regarding this service manual update please contact RigMaster Power's Technical Support Department at (888) 208-3101 before proceeding with service or repairs.

1.15 Coolant Temperature Controlled Electric Fan Switch

Figure 1-40



NOTE

Please note that this is a representative schematic and is intended to illustrate the interrelationship between the AC electrical system and the engine temperature switch which are both capable of activating the electric fan. There are diodes in these electrical circuits that are not represented in this schematic; detailed circuit information should be obtained through the wiring schematic in section 1.14, Figure 1-39

Air Conditioning Electrical Circuit

Location	Component	Operation
A	Cabin Controller	Houses the climate control thermostat and sends signals to the power module to control the ON/OFF cycle of the compressor
B	Power Module	Receives inputs from the cabin controller and outputs voltage through the J1 connection point (green wire, pin number 2) to the evaporator thermostatic switch to power the AC system
C	Evaporator Thermostatic Switch	Monitors the temperature of the evaporator and regulates power to the binary pressure switch to prevent the evaporator core from freezing
D	Binary Pressure Switch	Allows voltage to pass to the compressor and AC controlled fan relays when the pressure in the system is within an acceptable range (between 28 and 450 PSI)
E	7.5 Amp Compressor Fuse	Fuses the AC compressor

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Continued from 1.15

Location	Component	Operation
F	Compressor	Receives its power from the binary switch through 7.5 amp in-line fuse
G	AC Controlled Fan Relay 1	Receives its signal from the power module whenever the air conditioning is called for
H	35 Amp Electric Fan Fuse	Fuses the electric radiator fan
I	AC Controlled Fan Relay	Receives its signal from the power module whenever the air conditioning is called for
J	35 Amp Electric Fan Fuse	Fuses the electric bottom fan

Engine Temperature Switch Circuit

K	Coolant Temperature Switch	Outputs signal voltage to the engine temperature controlled radiator fan relay when the engine reaches 195°F
L	Engine Temperature Controlled Fan Relay	Receives its signal from the coolant temperature switch ensuring that the electric radiator fan operates when engine temperature rises above the switches threshold.
M	35 Amp Electric Fan Fuse	Fuses the electric fan
N	Electric Radiator Fan	Cools the radiator and the condenser
O	Electric Bottom Fan	Circulates air through the unit when AC is called for

