

V10Fans, Shroud, Reverse Fan wires:

The RigMaster V10 model (mounted across the frame rails, catwalk model) was initially produced with an RP7-229 Electric Bottom Fan whose blade faced up (Fan motor and plastic cage faced the ground). It drew air from the engine cabinet and exhausted it down, towards the ground.

The RP7-229 Fan was updated to the RP7-230 Fan.

This new RP7-230 Fan mounts into a new "V10 Fan update shroud – part # V10-001-15" (which must be requested when you order the RP7-230 Fan) so that the blade is facing down, towards the ground (Fan motor and plastic cage face up).

When the RP7-230 Fan is installed this way, the Fan blade will rotate backwards to what it should, directing the air incorrectly upwards towards the engine.

The Fan wires must be reversed (reverse pins inside the connector) so the Fan blade rotates the other way, forcing air towards the ground.

5th Relay added to later V10's:

The original V10 design had 4 identical relays on the back wall of the engine cabinet. (from left: glow plugs, starter, Air Conditioning activated electric fan on Condenser, Engine Coolant Temp sensor activated electric fan beneath engine)

The operation of the Electric Fans were:

- Radiator/Condenser Fan – operated only when Air Conditioning was selected
 - Bottom Fan – operated by engine temperature Fan switch (on water pump, has 2 wires)
- When the design was updated with the RP7-230 Fan, a 5th Relay was added, which was also an Electric Fan relay.
- Both Fans operated when Air Conditioning is selected
 - Radiator/Condenser Fan – operated by engine temperature Fan switch (on water pump, has 2 wires).

This configuration of the Fan operation is the same and the "LG200 AC Circuit" whose PDF is also hosted in this area of the website.