

1. Unpack the OmniMetrix® monitor, antenna, and the data/power cable. The 25-pin connector plugs onto the front of the OmniMetrix® monitor. This cable includes wires to power the monitor as well as wires for alarm inputs, relay outputs and analog inputs. Inspect all components to verify there is no shipping damage.
2. There are knockouts available on the side and the top of the engine control enclosure, but usually the top knockouts are easily accessible. You might have to drill a hole on the top of the engine control enclosure, so the person installing this should have a hand drill available. The hole should be drilled near to the Clarke Terminal Strip so the wires to gain easy access for connection.
3. At the drilled hole, use a watertight feed to route the data/power cable and antenna cable into the engine control enclosure. The Omnimetrix unit can be magnetically attached to the back of the control panel.
4. Instructions for wiring the monitor can be found in the table on the next page. The terminal strip within the enclosure can be easily accessed from the back of the control panel by unscrewing the four screws as shown in the figure below.
5. The antenna can be magnetically attached on the top surface of the engine control enclosure. Attach the antenna cable to the front of the monitor and tighten thumb tight.
6. Turn on the monitor and confirm that the LEDs light up and blink. If not, check for power on the terminal strip. If, after 5 minutes, the only LED lit is the Power LED, check the antenna mount and cable connection.
7. Allow 15 minutes for the monitor to log into the network and then call OmniMetrix at 770-209-0012 to confirm installation. Access to machine data is through the OmniView® web interface at [www.omnimetrix.net](http://www.omnimetrix.net). Contact OmniMetrix for login instructions and web training.



Data/Power Cable



Front of Clarke Fire Control

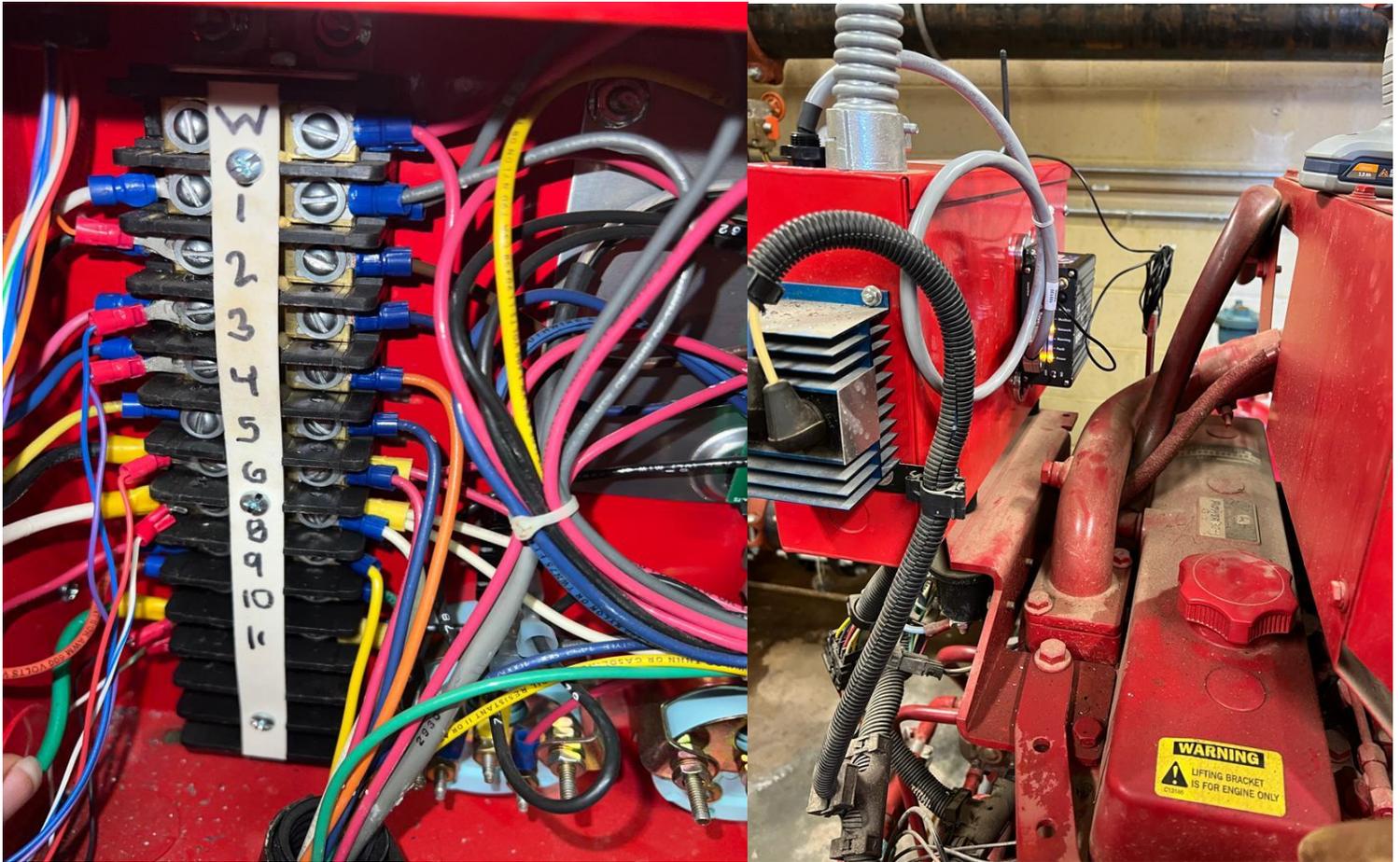


Back of Clarke Fire Control

**Table 1**

OMN WIRE	FUNCTION	TERMINATION
Red	Battery 1	Clarke Terminal 6
Black	Ground	Clarke Terminal 11 (a)
Orange	Engine Running	Clarke Terminal 2
Blue	Overspeed	Clarke Terminal 3
Violet	Low Oil Pressure	Clarke Terminal 4
Gray	High Coolant Temperature	Clarke Terminal 5
White/Blue	Battery 2	Clarke Terminal 8
White/Green	Ground	Clarke Terminal 11 (b)

Picture of wiring and OmniMetrix monitor magnetically attached to the back of the control panel:



If you have any questions, please call OmniMetrix Tech Support at 770-209-0012 or email at [techsupport@omnimetrixconnect.com](mailto:techsupport@omnimetrixconnect.com)