

Blue = Engine Temp Only,	Red = Belt Temp Only	
Observation	Possible Conditions	Recommended Actions
"Sensor Disconnected" message is displayed and/or temp indicator LED flashes pink in a 3-pulse pattern	Sensor harness does not have a good electrical connection	Verify that the sensor harness M12 connectors are firmly fastened to the sensor and the gauge display
"Sensor Disconnected" message is displayed even when sensor and harness are properly connected to the gauge display	Internal sensor circuitry is damaged	Replace sensor.
Display backlight brightness flickers / dims when sensor cable is plugged in		Diagram:
Resistance between Pin 2 and Pin 4 on the sensor Ohm out to less than 10K $\Omega$ (Engine temp only)		
Resistance between Pin 2 and Pin 4 on the sensor Ohm out to greater than 50K $\Omega$ , or OL (open circuit, no connection)		
When powered on, the gauge display lights up but appears blank	Internal gauge display circuitry is damaged Gauge was exposed to direct pressure washer spray	Replace gauge display
Gauge has no power	Power supply is not connected	Make sure that the Power/ Dimmer switch harness M12 connector is properly connected to the gauge display and that the Black-sheathing wire with eyelets is connected to the power source
	Power leads are not connected to the right terminals	Test male end of power cable with voltmeter. Positive lead inside plug, negative lead on metal sheathing around plug. Should be above 12.4 volts
	Power supply voltage is below 12 volts	
	Dimmer switch and gauge power supply wires were reversed	Make sure that the black-sheathing wire with eyelets is connected to the power source and the grey-sheathing with terminal connectors is connected to the dimmer switch
	Internal gauge display circuitry is damaged	Replace gauge display
Sensor readings are jumpy / inaccurate	Sensor is mounted near an exhaust port or an intake	Mount the sensor far from intake and exhaust ports as they will skew temperature readings
	Sensor is mounted to the side of the belt or at a tilted angle to the belt surface	Mount the sensor above the belt, perpendicular to the belt's surface
Pressing Dimmer switch does not change the brightness	Dimmer switch does not have good connection to the gauge cup	Check that the grey-sheathing with terminal connectors are connected to the dimmer switch and that the Female connector is for IR sensor harness is connected to the gauge display