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Title: **Gauge RE Ammeter Bus**

Applies To: **RE300 Bus Model wiith option code 16HJB**

DESCRIPTION

RE300 Bus model with an ammeter gauge showing a negative reading at all times may have the engine harness connected incorrectly.

SYMPTOMS

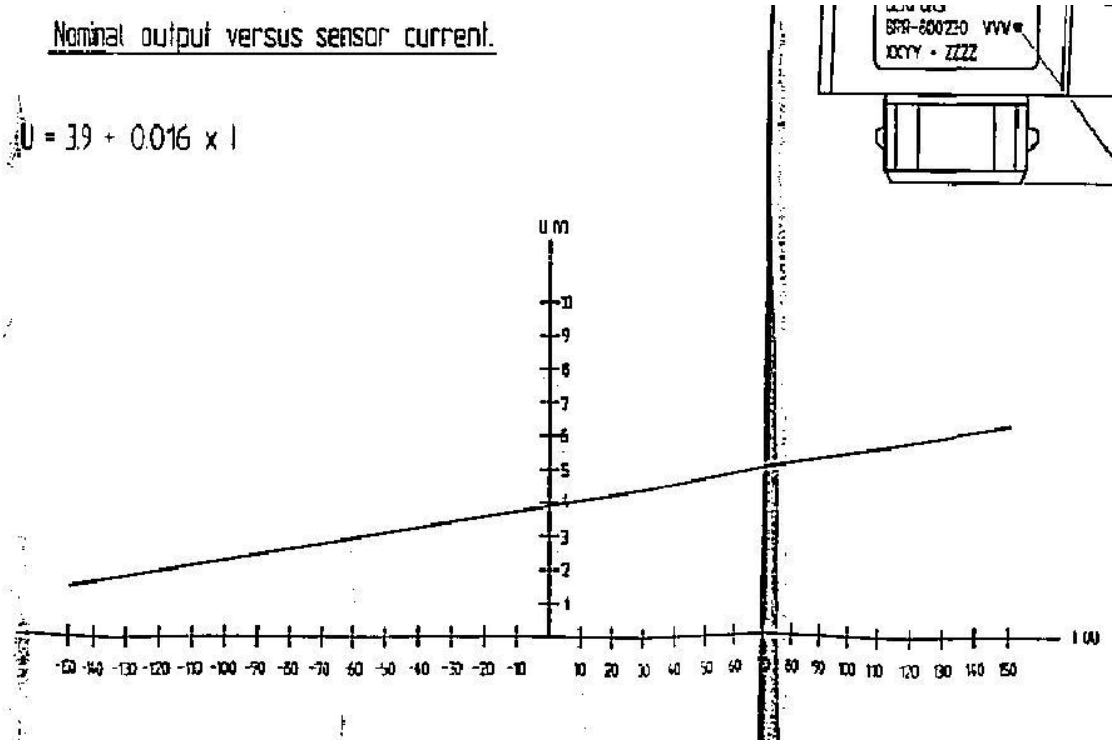
- Inaccurate ammeter gauge reading
- Ammeter gauge with a negative reading

PARTS INFORMATION

Part #	Description	Qty.
3508534C1	Ammeter Sensor	1

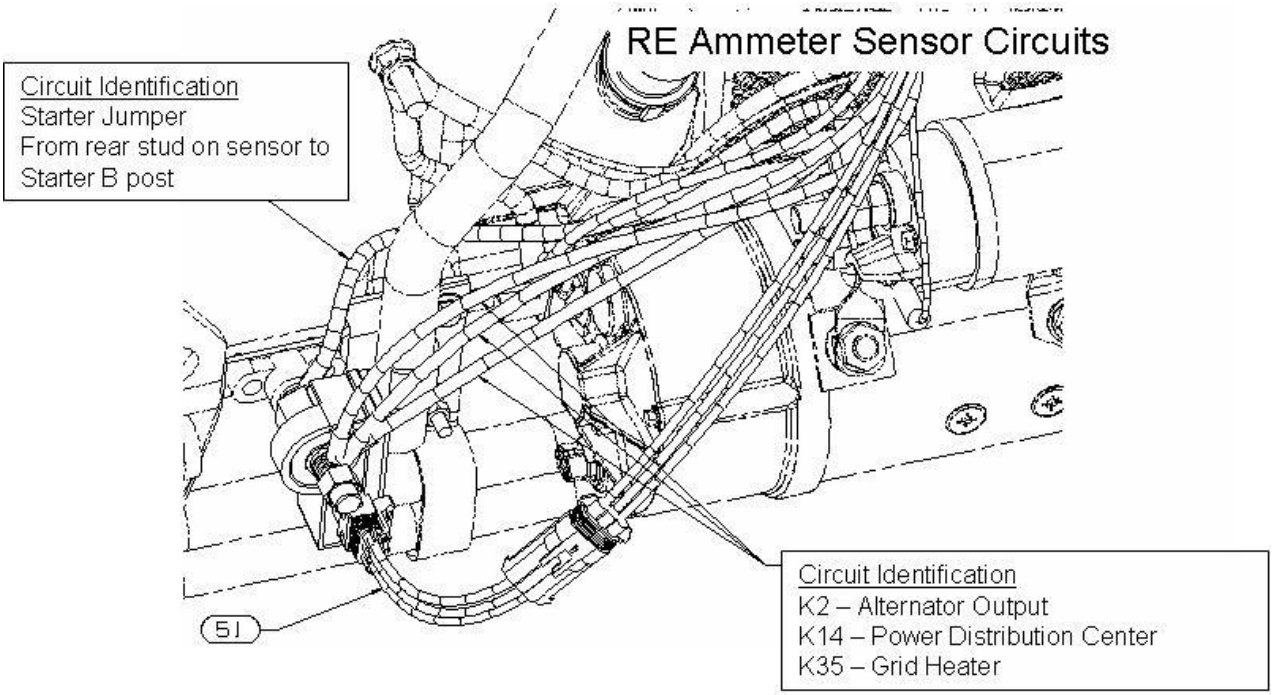
TROUBLESHOOTING

1. Voltage to cluster on circuit A26, pin 12 in connector 12 (Natural), will range from 2 to 6 volts. A voltage reading of 3.9 volts should result in a gauge reading of zero, 2 volts will result in -150 amp reading and 6 volts will result in a +150 amp reading.



RESOLUTION

Verify the required ammeter sensor circuits are properly attached. Recent cases have found the alternator output leads, K2C and K2D, connected to the starter B post rather than the sensor. If the circuits are correctly installed to the sensor, and the voltage reading on circuit A26 at the cluster is incorrect for the actual alternator output and unit load, the sensor may be at fault.



CIRCUIT DIAGRAMS

S08334 Circuit Diagram Manual, Chapter 4, Sheet 1

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