

# GMCMH 4 & 6 KW ONAN POWER DRAWER CONTROL BOARD QUICK TROUBLE SHOOTING AID

Duane Simmons August 2011

For use with Onan Control Board p/n: 300B944, 300B1073, & 300-4950

	Expected Value	Measured Value
1. Remove board cover & spray/soak wire terminals with <b>2-26*</b> or <b>WD40</b>		
2. Measure DC voltage between Terminals <b>5 &amp; 1</b>	~12.8 vdc	_____
3a. Measure DC voltage between Terminals <b>8 &amp; 1</b>	~12.8 vdc	_____
3b. Measure DC voltage between Terminals <b>11 &amp; 1</b>	~12.8 vdc	_____
4. With starter engaged, measure dc voltage between Terminals <b>10 &amp; 1</b>	>10.5 vdc	_____
5a. Jumper Terminals <b>9 to 5</b> Hear Fuel PumpRun?	<u>Yes</u> or No	_____
5b. Onan Start Does Onan Run?	<u>Yes</u> or No	_____
NOTE: If No Start - Ignition, fuel supply or wiring problem		
6a. With Onan running, measure AC voltage between Terminals <b>8 &amp; 11</b>	26 to 31 vac	_____
6b. Measure DC voltage between Terminals <b>12 &amp; 11</b>	~zero vdc	_____
6c. Measure DC voltage between Upper Terminal <b>1 &amp; 2</b>	12 vdc	_____
6d. Remove the jumper.....does the Onan continue to run ?	<u>Yes</u> or No	_____
7a. Stop Onan & measure DC voltage between Terminals <b>12 &amp; 11</b>	12.8 vdc	_____
7b. Pull wire from Terminal <b>12</b> Try to Start	<u>Yes</u> or No	_____
8a. Stop Onan & measure DC voltage between Upper Terminals <b>1 &amp; 2</b>	~zero vdc	_____
8b. Pull wire from UPPER Terminals <b>1, 2 &amp; 3</b> Try to Start	<u>Yes</u> or No	_____
<b>NOTES:</b>		
* <b>2-26</b> is an electrical component cleaning fluid sold in an aerosol can and is available at the hardware store.		
**If all above (except 6d) is OK & Step 7 & 8 is No Start: Suspect Control Board		

NOTES: Please include your name, email, and shipping address below as well as any relevant comments.

**Board Repair and Technical Assistance**  
Duane Simmons  
Orange, CA