

PROBLEMS & SYMPTOMS	WATER COOLED THINGS TO CHECK	CORRECTIONS
<b>NO VOLTAGE</b>		
No voltage: generator	<ol style="list-style-type: none"> <li>1. Voltage regulator switch turned off</li> <li>2. Fuse blown in voltage regulator circuit</li> <li>3. Open or shorted diode in revolving field</li> <li>4. Defective voltage regulator</li> </ol>	<ol style="list-style-type: none"> <li>1. Turn on</li> <li>2. Replace</li> <li>3. Replace</li> <li>4. Replace</li> </ol>
<b>LOW VOLTAGE</b>		
Low voltage	<ol style="list-style-type: none"> <li>1. Voltage regulator improperly adjusted</li> <li>2. Engine speed too slow</li> <li>3. Open or shorted diode in revolving field</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust to rated voltage</li> <li>2. Set to nameplate RPM</li> <li>3. Replace</li> </ol>
<b>HIGH VOLTAGE</b>		
High voltage	<ol style="list-style-type: none"> <li>1. Voltage regulator improperly adjusted</li> <li>2. Kill relay is not energized</li> </ol> <p style="text-align: center;">Voltage uncontrollable</p>	<ol style="list-style-type: none"> <li>1. Adjust to rated voltage</li> <li>2. Check out battery charging circuit</li> </ol>
<b>ENGINE PROBLEMS</b>		
Unit starts & shuts down due to low oil	<ol style="list-style-type: none"> <li>1. Check oil level and oil pressure</li> <li>2. Bad oil pressure switch</li> </ol>	<ol style="list-style-type: none"> <li>1. Refer to engine manual</li> <li>2. Replace</li> </ol>
Unit shuts down due to overcrank	<ol style="list-style-type: none"> <li>1. Engine didn't start and tripped breaker</li> <li>2. Kill relay defective</li> <li>3. Open or shorted diode in battery charging circuit</li> <li>4. Defective battery charging alternator</li> <li>5. Defective battery charging alternator voltage regulator</li> </ol>	<ol style="list-style-type: none"> <li>1. Check out engine</li> <li>2. Replace</li> <li>3. Replace</li> <li>4. Have rebuilt or replaced</li> <li>5. Replace</li> </ol>
Unit shuts down due to high water temperature	<ol style="list-style-type: none"> <li>1. Low water level</li> <li>2. Stuck thermostat</li> <li>3. Defective high temperature switch</li> </ol>	<ol style="list-style-type: none"> <li>1. Fill to proper level</li> <li>2. Replace</li> <li>3. Replace</li> </ol>
Unit shuts down due to overspeed	<ol style="list-style-type: none"> <li>1. Improper setting on governor</li> <li>2. Improperly set overspeed switch</li> </ol>	<ol style="list-style-type: none"> <li>1. Set according to engine manual</li> <li>2. Recalibrate or replace</li> </ol>
Engine will not start	<ol style="list-style-type: none"> <li>1. Improper fuel supply</li> <li>2. Defective fuel solenoid</li> <li>3. Return line blocked (diesel)</li> </ol>	<ol style="list-style-type: none"> <li>1. Engine must have ample fuel</li> <li>2. Replace or repair</li> <li>3. Relieve any restrictions</li> </ol>

PROBLEMS & SYMPTOMS	THINGS TO CHECK	CORRECTIONS
Engine will not start-continued	<ol style="list-style-type: none"> <li>4. Air trapped in fuel system (diesel)</li> <li>5. Over crank breaker tripped</li> <li>6. No ignition</li> <li>7. Defective vaccume switch(on LP &amp; Natural Gas)</li> </ol>	<ol style="list-style-type: none"> <li>4. Bleed air out according to engine manual</li> <li>5. Reset</li> <li>6. Refer to engine manual</li> <li>7. Replace</li> </ol>
Unit will not pull load	<ol style="list-style-type: none"> <li>1. Improper fuel supply</li> <li>2. Overloaded</li> <li>3. Timing off</li> <li>4. Governor improperly adjusted</li> </ol>	<ol style="list-style-type: none"> <li>1. Engine must have ample fuel</li> <li>2. Remove part of the load</li> <li>3. Refer to engine manual</li> <li>4. Refer to engine manual</li> </ol>