

SECTION 6: Troubleshooting

6.1 TROUBLESHOOTING GUIDE

Should you experience issues while using your PRO 25 system, please take a look at the following table for possible gripes and solutions.

Please refer to the **Honda GX270 engine owners guide** for additional information specific to this system's engine and maintenance not covered in this manual.

For issues not covered in this Troubleshooting Guide or the Honda engine owner's manual, please consult your dealer where you purchased your PRO 25 System for additional support.

Vanair Service contact information can also be found on the back cover of this manual.

TROUBLESHOOTING GUIDE		
Low Discharge Pressure	1. Compressor too small for the application 2. Air leaks 3. Restricted air intake 4. Blown gasket(s) 5. Broken or misaligned valves	1. Reduce air demand or use a compressor with higher air capacity. 2. Listen for air leaks. Use soapy solution on area and look for bubbles at leaks. Tighten or replace fittings or connections. 3. Clean or replace air filter elements. 4. Replace damaged gaskets. 5. Remove head and inspect for broken or misaligned valves. Replace damaged valves. NOTE: Always install a new head gasket whenever the head is removed.
Excessive "knocking" noise.	1. Loose drive pulley or flywheel 2. Low on oil 3. Worn connecting rod or connecting rod bearing 4. Noisy check valve	1. Tighten drive pulley or flywheel bolt. 2. Check for proper oil level. Low or dirty oil can cause bearing damage. 3. Replace connecting rod and/or connecting rod bearings. 4. Clean or replace check valve NEVER try to remove the check valve when the system is pressurized!
Excessive oil carryover	1. Worn piston rings 2. Restricted air intake 3. Oil level too high in compressor 4. Incorrect oil viscosity	1. Replace with new piston rings. 2. Clean or replace air filter(s). 3. Drain oil to proper level. 4. Use Vanguard Reciprocating compressor oil as specified.
Water in the tank and/or air discharge line	1. Normal. Amount of water will increase as humidity in the air increases.	1. Drain condensation in the air tank daily or after each use. 2. Add an in-line filter to reduce moisture in the air line..

TROUBLESHOOTING GUIDE - (Cont.)		
Will not run or motor hums	1. Low battery voltage (electric start) 2. Malfunctioning pressure switch 3. Malfunctioning check valve	1. Check battery voltage with a volt meter. Check the reset circuit breaker on starter module. 2. Repair, adjust or replace the pressure switch. 3. Repair or replace check valve. NEVER try to remove the check valve when the system is pressurized!
Breaker or reset immediately trips	1. Malfunctioning circuit breaker 2. Low voltage 3. Malfunctioning motor 4. Loose electrical connection 5. Malfunctioning pressure switch 6. Malfunctioning check valve	1. Replace with new, correct size breaker. 2. Check battery voltage. Charge or replace as needed following battery mfr.'s specifications. 3. Replace motor. 4. Check all electric wiring and connections. 5. Adjust or replace pressure switch. 6. Replace check valve. NEVER try to remove the check valve when the system is pressurized!
Tank does not hold pressure when not running and shut off valve is closed.	1. Malfunctioning check valve 2. Loose fittings or connections 3. Crack or pin hole leak in tank	1. Replace check valve. NEVER try to remove the check valve when the system is pressurized! 2. Tighten connections or replace loose fittings or connections. 3. Replace tank - do not attempt to repair.
Pressure switch unloader constantly leaking air	1. Malfunctioning check valve	1. Replace check valve if unloader bleeds air constantly. NEVER try to remove the check valve when the system is pressurized!
Pressure switch not unloading	1. Malfunctioning pressure switch	1. Replace pressure switch if it does not release air pressure briefly when unit shuts off. NEVER try to remove the pressure switch when the system is pressurized!
Excessive vibration	1. Improper installation 2. Loose belts 3. Misaligned flywheel or drive pulley	1. Make sure unit is mounted on a level surface with vibration pads. 2. Replace belt(s). Align and tighten properly. 3. Align flywheel and/or drive pulley
Overheating	1. Compressor too small for the application 2. Loose belts 3. Improper cooling	1. Reduce the work load or use a larger compressor. 2. Clean all cooling surfaces of dirt and debris. 3. Install compressor in an area with access to fresh, cool, dry air.

For engine troubleshooting - please see your Honda GX270 Owner's Manual.