

Troubleshooting Guide

This section provides a list of the more frequently encountered malfunctions, their causes and corrective actions. The operator or maintenance personnel can perform some corrective actions, and others may require the assistance of a qualified DEWALT technician or your dealer.

Problem	Code
Excessive air tank pressure-safety valve pops off	1,2
Air leaks	3
Air leaks in air tank or at air tank welds	4
Air leaks between head and valve plate	5
Air leaks from safety valve	6
Knocking Noise	6,16,17
Pressure reading on the regulated pressure gauge drops when an accessory is used	7
Compressor is not supplying enough air to operate accessories	8,9,10,11,12,15
Regulator knob has continuous air leak	13
Regulator will not shut off air outlet	13
Moisture in pump crankcase	14,18
Motor will not run	11,19,20,21,22,23,24

Troubleshooting Codes

CODE	POSSIBLE CAUSE	POSSIBLE SOLUTION
1	Pressure switch does not shut off motor when compressor reaches cut-out pressure	Set the On/Off switch to OFF, if the unit does not shut off contact a DEWALT factory service center or a DEWALT authorized service center.
2	Pressure switch cut-out too high	Contact a DEWALT factory service center or a DEWALT authorized service center.
3	Tube fittings are not tight enough	Tighten fittings where air can be heard escaping. Check fittings with soapy water solution. Do Not Overtighten.

CODE	POSSIBLE CAUSE	POSSIBLE SOLUTION
4	Defective air tank	Air tank must be replaced. Do not repair the leak. ▲WARNING: Risk of bursting. Do not drill into, weld or otherwise modify air tank or it will weaken. The air tank can rupture or explode.
5	Leaking seals	Contact a DEWALT factory service center or a DEWALT authorized service center.
6	Defective safety valve	Operate safety valve manually by pulling on ring. If valve still leaks, it must be replaced.
7	Regulator is not adjusted correctly for accessory being used	It is normal for some pressure drop to occur when an accessory is used, adjust the regulator as instructed in Regulator under <i>Features</i> if pressure drop is excessive. NOTE: Adjust the regulated pressure under flow conditions while accessory is being used.
8	Prolonged excessive use of air	Decrease amount of air usage.
9	Compressor is not large enough for accessory	Check the accessory air requirement. If it is higher than the CFM or pressure supplied by your air compressor, a larger compressor is needed to operate accessory.
10	Hole in air hose	Replace air hose.
11	Check valve restricted	Remove, clean or replace.
12	Air leaks	Tighten fittings.
13	Regulator is damaged	Replace.
14	Unit operating in damp or humid conditions	Move unit to a dry well ventilated area
15	Restricted air intake filter	Clean or replace air intake filter
16	Carbon build-up in pump.	Contact a DEWALT factory service center or a DEWALT authorized service center.

CODE	POSSIBLE CAUSE	POSSIBLE SOLUTION
17	Detergent type oil being used in pump	Drain oil and refill pump with DEWALT synthetic compressor oil.
18	Extension cord is wrong length or gauge	Check for proper gauge wire and cord length. See Extension Cords under <i>Installation</i> .
19	Loose electrical connections	Contact a DEWALT factory service center or a DEWALT authorized service center.
20	Possible defective motor or starting capacitor	Contact a DEWALT factory service center or a DEWALT authorized service center.
21	Paint spray on internal motor parts	Contact a DEWALT factory service center or a DEWALT authorized service center. Do not operate the compressor in the paint spray area. See flammable vapor warning.
22	Fuse blown, circuit breaker tripped	<ol style="list-style-type: none"> 1. Check fuse box for blown fuse and replace as necessary. Reset circuit breaker. Do not use a fuse or circuit breaker with higher rating than that specified for your particular branch circuit. 2. Check for proper fuse. Use only a time delay fuse. 3. Check for low voltage conditions and/or proper extension cord. 4. Disconnect the other electrical appliances from circuit or operate the compressor on its own branch circuit.
23	Tank pressure exceeds pressure switch cut-in pressure	Motor will start automatically when tank pressure drops below cut-in pressure of pressure switch.
24	Pressure release valve on pressure switch has not unloaded head pressure	Set the On/Off switch to OFF. If the valve does not open, replace switch. Contact a DEWALT factory service center or a DEWALT authorized service center.