

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
Engine will not start	1, 2, 3, 4, 5, 6, 7, 8
<i>(refer to the engine's instruction manual for further engine troubleshooting)</i>	
No or low pressure (initial use)	9, 10, 11, 12, 13, 14, 15, 16
Will not draw chemicals	16, 17, 18, 19, 20, 21
No or low pressure (after period of normal use).....	22, 23, 24
Water leaking at gun/spray wand connection	25, 26
Water leaking at pump	25, 26, 27, 28
Oil leaking at pump.....	29, 30, 31, 32, 33, 34, 35
Pump Pulsates	12

Troubleshooting Codes

CODE	POSSIBLE CAUSE	POSSIBLE SOLUTION
1	No fuel.	Add fuel.
2	Low oil.	Add required amount of oil.
3	Pressure builds up after two pulls on the recoil starter or after initial use.	Squeeze gun trigger to relieve pressure.
4	Choke lever in the NO CHOKE position.	Move choke to the CHOKE position.
5	Spark plug wire not attached.	Attach spark plug wire.
6	Engine ON/OFF switch in OFF position.	Place engine ON/OFF switch in ON position.
7	Choke lever in the CHOKE position on a <i>hot</i> engine or an engine that has been exposed to thermal heat for a long period of time.	Move choke to the NO CHOKE position.
8	Fuel valve closed.	Move the fuel valve lever to the OPEN position.
9	Spray wand not in high pressure.	See Spray Wand Nozzles under <i>Operation</i> .
10	Low water supply.	Water supply must be at least 5 GPM @ 20 PSI.
11	Leak at high-pressure hose fitting.	Repair leak. Apply sealant tape if necessary.
12	Nozzle obstructed.	See Nozzle Cleaning under <i>Maintenance</i> .
13	Water filter screen clogged.	Remove and clean filter.
14	Air in hose.	Turn off the engine, then the water source. Disconnect the water source from the pump inlet and turn the water source on to remove all air from the hose. When there is a steady stream of water present, turn water source off. Reconnect water source to pump inlet and turn on water source. Squeeze trigger to remove remaining air.
15	Choke lever in the CHOKE position.	Move choke to the NO CHOKE position.
16	High-pressure hose is too long.	Use high-pressure hose under 100 feet (30.48 m). Lengthen water supply hose instead of high-pressure hose.

(Troubleshooting Codes cont.)

CODE	POSSIBLE CAUSE	POSSIBLE SOLUTION
17	Spray wand not in low pressure.	See Spray Wand Nozzles under <i>Operation</i> .
18	Chemical filter clogged.	Clean filter.
19	Chemical screen not in cleaning solution.	Make sure end of chemical hose is fully submerged into cleaning solution.
20	Chemical too thick.	Dilute chemical. Chemical should be the same consistency as water.
21	Worn seal or packing.	Have parts cleaned or replaced by authorized service center.
22	Chemical build up in chemical injector.	Have replaced by an authorized service center.
23	Worn or obstructed valves.	Have replaced by authorized service center.
24	Worn unloader piston.	Have replaced by authorized service center.
25	Worn or broken o-ring.	Check and replace.
26	Loose hose connection.	Tighten.
27	Piston packings worn.	Have replaced by authorized service center.
28	Pump head or tubes damaged from freezing.	Have replaced by authorized service center.
29	Oil seals worn.	Have replaced by authorized service center
30	Loose drain plug.	Tighten.
31	Worn drain plug o-ring	Check and replace.
32	Worn fill plug o-ring.	Check and replace.
33	Pump overfilled.	Check for correct amount.
34	Incorrect oil used.	Drain and fill with correct amount and type of oil.
35	Vent plug is clogged.	Clean vent plug; blow air through it to remove any blockage. If problem persists, replace plug.