

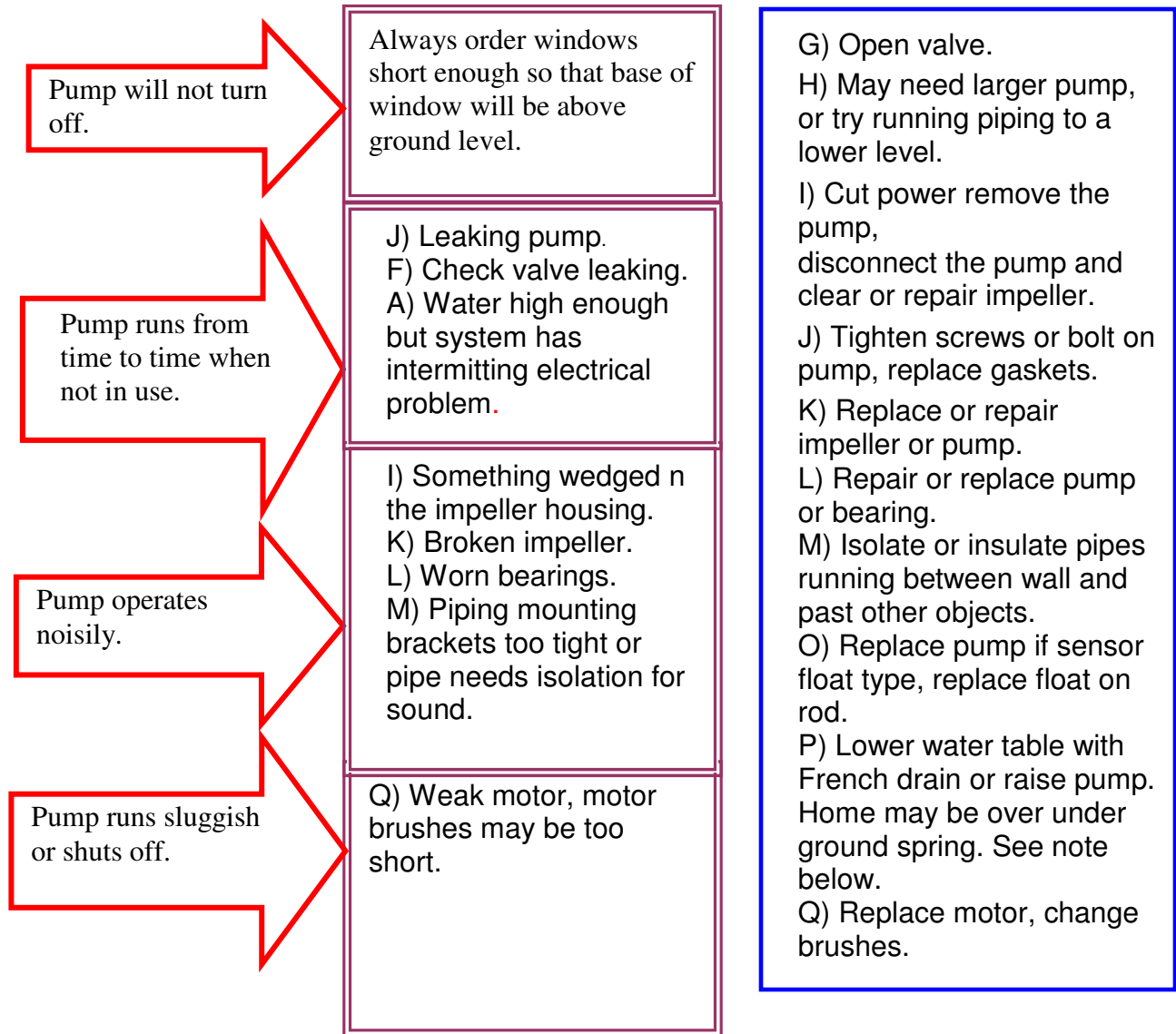


PUMPS TROUBLE SHOOTING CHART "A"

Match the *Cause* letter with the *Correction* letter.

<i>Problems</i>	<i>Cause</i>	<i>Correction</i>
Pump will not run.	<p><u>Note: Always turn off power before servicing.</u></p> <p>A) Blown fuse, broken wire, switch contacts dirty, disruption of power or improper voltage. B) Float or switch stuck. C) Defective switch. D) Water low.</p>	<p>A) Check fuse, check for broken wires, make sure cord plugged in all the way, clean contacts with contact cleaner, may be dual voltage pump, see wiring directions call electrician. B) Reposition pump so float or switch have proper clearance, clean switch with contact cleaner, clean and lubricate float rod. D) Make sure the water level rises enough to activate switch, pump not set deep enough. C) Replace switch.</p>
Pump runs or hums, but does not pump water.	<p>E) Pipe is blocked, line too small, or restricted. F) Check valve is stuck closed or installed Backwards, pump leaks. G) Valve is closed. H) Too much lift for pump's capability, too much vertical run. I) Pump impeller is jammed or impeller shaft broken. N) Prime pump.</p>	<p>E) Clear discharge line. Make sure pipe is same size from the pump to the end of discharge pipe. F) Repair or replace check valve, repair pump leak, also see (J Chart "B"). N) Some larger or older pumps have bleeder valves, open bleeder to prime or pour water down pipe to load pump and line with water.</p>

PUMPS TROUBLE SHOOTING CHART “B”



Pumps should be set just below the basement floor slab. Setting a pump too low can cause you to pick up unwanted water, like from an under ground spring.
