





Motor Starts But  
Cylinder Does Not Turn



- Broken or loose belt
- Loose or broken pulley
- Broken, worn, or parts out of position in transmission housing
- Cylinder binding

- Check belt tightening spring, replace if broken. Replace belt if broken or badly worn.
- Tighten or replace pulley, (could be either transmission or cylinder pulley.)
- Disassemble transmission, replace worn or broken parts.
- Check for article of clothing or other foreign material that might be between the cylinder and outer tub and remove. Check for worn or binding tub back.

Cylinder Does Not Spin



- Defective Solenoid solenoid does not pull shifter rod
- Broken or loose rear motor mounting bracket or stud
- Worn clutch spring
- Loose belt
- No current to spin solenoid
- Water not completely drained
- Woodruff key in transmission worn or missing

- Replace solenoid. Check for cotter pin that connects solenoid and shift rod, if missing install new pin. Check for binding shifter rod. May be caused by using wrong transmission oil that will swell shifter rod "O" ring making the rod stick.
- Tighten or replace the mounting bracket or mounting stud.
- Overhaul transmission and replace worn parts.
- Tighten or replace.
- Check the timer contacts, pressure switch and wiring. Refer to wiring diagram.
- Clean drain screen. Check pump solenoid and replace if bad. Clean or repair pump. (Pump models only) Check sump for obstruction and clean if plugged. Check for plugged dump valve or defective valve and repair or replace. (Dump valve model)
- Disassemble transmission and repair.

Water Does Not Enter  
Washer








- Clogged inlet screen or hose
- Open solenoid coil
- Plugged drain outlet

- Remove hose and check. Always replace strainer screens.
- Check at terminals with test lamp or meter, replace if defective.
- Water not completely drained out from previous fill. Pressure switch has not reset.

(trouble shooting guide)

COMPLAINT	PROBABLE CAUSE	SUGGESTED REMEDY
Water Does Not Enter Washer ↓	Split diaphragm in water valve	Replace diaphragm
	Defective water control	Check for obstruction in hose leading from sump to water control. Check water control with jumper wire or meter. Replace if not working.
	Plunger stuck in inlet valve	Remove inlet valve and clean or replace.
	Defective selector switch	Replace.
	Defective timer contacts	Repair or replace.
Water Does Not Drain (Pump Models) ↓	Open pump solenoid coil	Replace solenoid.
	Stuck valve	Remove and clean.
	Loose or faulty pump impeller	Tighten or replace.
	Clogged lint screen	Remove and clean.
Water Does Not Drain (Dump Models) ↓	Clogged kinked drain hose	Straighten, clean, or replace hose.
	Dump valve does not open	Tighten or replace return spring. Replace dump valve.
	Clogged sump	Remove cover and clean sump.
	Clogged hose from sump to dump valve	Remove obstruction from hose.
Water Does Not Drain (Dump Models) ↓	Clogged dump valve	Clean dump valve.
	Inlet Water Does Not Shut Off ↓	Faulty water level control switch
Tub does not fill ↓	Clogged pressure switch hose	Pressure switch is never satisfied.
	Screen in water valve clogged	Remove and clean.
	Drain leaks	Check and repair.
	Bad contact on timer	Check and repair or replace.

(trouble shooting guide)

COMPLAINT	PROBABLE CAUSE	SUGGESTED REMEDY
Inlet Water Does Not Shut Off 	Dirt in inlet valve chamber	Remove plunger covers and clean or replace parts. (always keep inlet water strainer screens installed.)
	Faulty plunger	Disassemble inlet valve—clean, replace diaphragm.
	Faulty timer contacts	Check with test lamp, replace defective part.
	Grounded valve solenoid	Replace solenoid coil.
Cylinder Spins All The Time 	Shifter rods worn or broken	Check and replace.
	Shifter solenoid bracket loose	Check and tighten.
	Sleeve in transmission worn or broken	Replace.
	Excess end play in gear set	Worn bosses in housing, "C" rings worn or out of place.
Timer Does Not Advance (Complete Cycle) 	Timer motor defective	Remove and check for gear rotation (replace).
	Timer gear worn	Replace
	Defective timer	Check, replace.
	Broken wire	Check circuit with test lamp.
Timer Does Not Rapid Advance (When Specified)* 	Wired incorrectly	Check short or long cycle wiring instruction — page 3-9.
	Rapid advance motor *(Manual operation)	Defective — replace. Also see rapid advance detail for acceleration switch on manual conversion — See page 3-7.
Irratic Cycle Operation 	Wired incorrectly	Check GN-BK and WH-BK wires plugged onto separate terminals along side black timer connector. See instructions — page 3-9.