

PROBLEM	SYMPTOMS	PROBABLE CAUSE	CHECK / REMEDY
Will not turn on	No light, no fan And no heat	No power	Check wall outlet for power with voltmeter. Check for tripped circuit breaker, or blown fuse in shop supply
		Spot dryer circuit Breaker tripped (out)	Plug or cord bad - replace
		On/off switch bad	Replace switch
No heat	Fan runs, unit rotates	Power relay not working (should hear audible click when dryer turned on)	Replace relay
		Relay okay	Check power to element leads
		There is power to element, but no heat	Unplug unit, check to see that leads are connected. Check element for continuity. Replace element if bad
No air	Heats and rotates (A) Fan blade turns free	(A) Fan speed control bad or set too low	Check voltage at fan low= 90v, high 110v. Adjust low ends if needed, turn set screw on top
		(B) Fan may be bad (C) Filter may be clogged and needs cleaning	No volts – replace control Proper voltage – replace fan
	(B) Fan blade stuck	Fan housing melted because damper stuck open	Replace fan, unstick damper
Will not rotate in (clockwise) over shirt	Everything else works, stays in “out” position	Foot switch or printer limit switch and/or cord, bad. Using stereo plug in mono jack. Units prior to serial no. 90883 are mono	Check out – Substitute another switch/cord assembly or test operation with ohm meter. Repair or replace. Use mono plug with mono jack and stereo with stereo
		Timer bad or set too low. Quick check for timer and limit switch: turn off dryer, rotate half way in manually (clockwise), turn dryer on, it should rotate to “out” position	Check timer: with unit plugged in and turned on, rest a finger on the timer knob, depress foot or limit switch, you should feel timer click on, and at the end of dwell time, off. If not replace timer
		If timer clicks, check the “in” limit switch in dryer head. It may be stuck open. The “in” switch is the one farthest from the on/off switch	Check “in” limit switch: unplug dryer, rotate head half way in by hand, this will put operating pin between limit switches, move lever on “in” limit switch towards body of switch, you should hear and feel a click, if not replace switch

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Will not rotate in either direction	Everything else works, and you can hear driver motor run when foot/limit switch is tripped	Drive chain broken, pins thru sprockets sheared. Large sprocket shaft weld broken	<u>Unplug unit</u> remove cover rotate head manually, you should feel steady resistance of drive gearmotor, if not inspect drive train for components that may be slipping or broken
	Driver motor does not run in either direction	Motor overheated and its internal overload has tripped	Should cool down in 5-10 minutes possibly have too fast a cycle time, reversing motor too much.
		Capacitor has gone bad	Motor or capacitor bad, replace capacitor and try again, there is no simple test for the capacitor
		Motor has gone bad	Motor must be replaced
Spot dryer smokes	Unit smokes, No air	See "No Air"	
	Element smokes, Air okay	If element is new it may smoke a little, or element may be dirty	If it persists after 15-20 mins. Shut unit off, and check surface for dirt
Head rotates less than 90 degrees	Head constantly rotates in part way, stops for dwell time	Limit switches may be actuated before head rotates a full 90 degs.	Check position of limit switch arms.
		Pin that operates limit may be broken	Drive pin in slightly and see how far it rotates
Element over-heating	Element too hot even at maximum air	Overpowered by pulling the stinger leg on 220 volt 3 phase	Check three hot legs to find two 100v. legs and terminating the stinger leg
		Lack of air (A) Air hole plugged	Clear air holes and filter
		(B) Fan speed control bad or set too low	Check voltage at fan: low = 90v. high = 110 v. Adjust low end if needed, turn set screw on top of fan speed control
		Dryer head too close to board	Heating element should be at least 2-3 inches off the shirt board
		Wattage of element too high	If element is 5200 or 4800 watts it should be sent back and retrofitted with a 4200 watt element
	No Air	See "No Air"	
Will not rotate out (counter-clockwise) off shirt board	Everything else works, stays in "in" position	Timer is stuck. Timer test: turn off dryer, rotate half way out manually (counter-clockwise), turn dryer on, if it rotates to "in" position timer is stuck, possibly with dust	Twist timer knob several times back and forth through its range and tap on the timer body a few times to dislodge any dust. Retest timer, replace timer if problem persists

NOTICE: SPOT DRYER GEAR MOTOR CHANGE

When ordering a replacement gear motor for an automatic spot dryer:
 Serial number 91207 and down requires the old style six bolt mount gear motor.
 Serial number 91208 and up requires the new style four bolt mount gear motor.