



Gardeners Helping Gardeners Succeed

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Troubleshooting Irrigation Problems

Malfunctions aren't common, but when they occur, they're often due to one of the causes below. Refer to each product's specific operating manual for additional information.

TIMERS

PROBLEM

CAUSE

SOLUTION

Water cycle repeats	Multiple start times set Season Adjust is set at more than 100%	Check program and turn off all but one start time Reset season adjust
Fuses blow regularly	Faulty valve solenoid Damaged or shorted wiring Faulty timer	Replace solenoid Inspect and repair wire Replace timer
LED display is blank	No power to timer Faulty transformer Blown fuse	Check outlet for power Replace transformer Replace fuse
Lawn is not watered	Timer is off Blown fuse Damaged timer/valve wiring Faulty transformer, timer or rain sensor device Program incorrect	Turn timer on Replace fuse Repair wire Replace, timer, sensor, or transformer Check timer program
One zone does not function	Damaged wiring at timer or on manifold	Repair wiring
No water at one or all zones	Damaged wiring at timer and zone	Repair wiring

ROTORS

PROBLEM

CAUSE

SOLUTION

Water doesn't spray from nozzle	Internal basket screen plugged with debris	Clean Screen
Sprinkler does not rotate	Not enough water pressure to rotate sprinkler Debris in sprinkler head Faulty sprinkler head	Split zone in two Clean debris from sprinkler Replace sprinkler
Sprinkler rotates in one direction and stops	Not enough water pressure to rotate sprinkler Faulty sprinkler head Missing nozzle	Split zone in two Replace sprinkler Replace nozzle

VALVES

PROBLEM

No water at sprinkler heads

CAUSE

Main water supply valve is off
Faulty valve solenoid
Flow control at valve is closed
Zone valve wires not connected
Debris in valve, solenoid or
metering orifice

SOLUTION

Turn supply valve on
Replace solenoid
Open fully counterclockwise
Connect wires
Disassemble valve and clean with
fresh water

One or more zones won't stop
stop watering

Faulty valve diaphragm

Replace diaphragm

Faulty valve
Damaged or cracked valve body
Damaged or cracked bonnet

Replace valve
Replace valve
Replace valve

External water leaks at valve

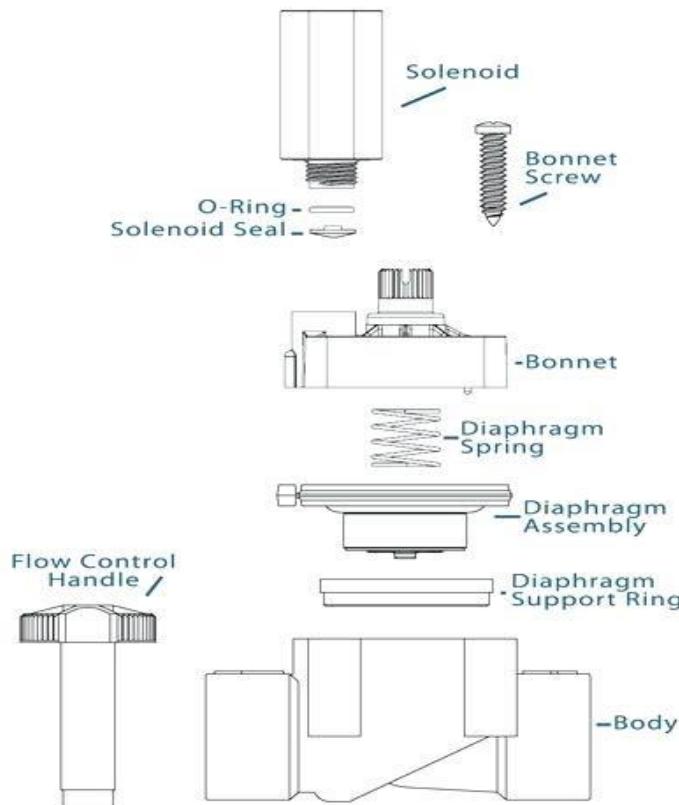
Damaged or cracked pipe and
fittings
Damaged diaphragm

Check and replace as needed
Replace diaphragm

Water leaks from lowest
Sprinkler on the line

Debris between diaphragm
diaphragm seat
Damaged diaphragm
Debris in solenoid
Faulty solenoid
Valve manual bleed is open

Clear debris from valve
Replace diaphragm
Clean solenoid
Replace solenoid
Tighten by hand



ALL SPRINKLERS

PROBLEM	CAUSE	SOLUTION
Sprinklers will not pop up	Not enough water pressure to run zone Master or zone valves not completely open Flow control on zone valve not fully open Debris between sprinkler riser and riser seal	Split the zone in two Open counterclockwise Open flow control Clear debris
Sprinklers 'stick-up' after watering	Damaged riser or riser wiper seal Damaged retraction spring Radius adjustment screw turned off Debris in nozzle	Replace sprinkler Replace sprinkler Open counterclockwise Remove debris
Water doesn't spray from nozzle	Internal filter clogged	Clean screen
Water flooding from sprinkler	Missing nozzle Faulty or missing sprinkler head	Install nozzle Replace sprinkler

