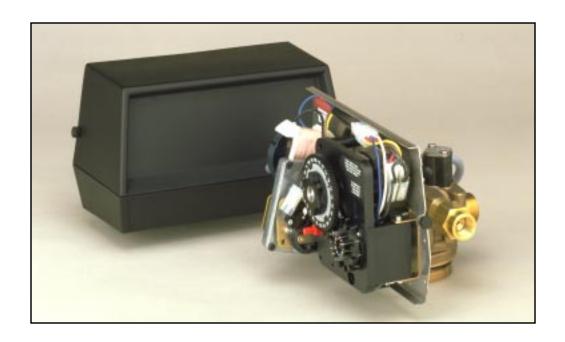
MODEL 2750 UPFLOW CONTROL VALVE

Service Manual



MODEL 2750

Job Specification Sheet

• JOB NO									
• *	• *MODEL NO								
• V	VATI	ER TEST							
• (CAPA	ACITY PER UNIT	_MAX	PER REGENERATION					
• 1	ΛINE	ERAL TANK SIZE DIA	_HEIGHT						
• E	BRIN	IE TANK SIZE & SALT SETTING	PER REGENE	RATION:					
•									
* 2	2750	CONTROL VALVE SPECIFICAT	IONS						
1.	Тур	e of Timer (see pages 16, 17, &	18)						
	A.	7 day or 12 day							
	B.	B. * 310 to 5,2700 gallon meter or							
		* 1,550 to 26,350 gallon meter							
		* Other							
	C.	Meter Wiring Package							
		1) System #4 - 1 tank; 1 meter; i	immediate or d	elayed regeneration					
		2) System #5 - 2 tanks; 2 meters	s; interlock						
		3) System #6 - 2 tanks; 1 meter;	series regene	ration					
		4) System #7 - 2 tanks; 1 meter;	alternator						
2.	Tim	er Program Settings (see pages	18 and 19)						
	A.	Backwash	min.						
	B.	Brine & Slow Rinse	min.						
	C.	Rapid Rinse	min.						
	D.	Brine Tank Refill	min.						
3.	Drain Line Flow Controllergpm								
4.	Brine Line Flow Controllergpm								
5.	Inje	ctor Size #							
6.	Service Valve Operation Units (SVO) Size of Service Valve								

General Commercial Pre-Installation Check List

WATER PRESSURE: A minimum of 25 pounds of water pressure is required for regeneration valve to operate effectively.

ELECTRICAL FACILITIES: A continuous 110 volt, 60 Hertz current supply is required. Make certain the current supply is always hot and cannot be turned off with another switch. (Other voltages available.)

EXISTING PLUMBING: Condition of existing plumbing should be free from lime and iron buildup. Piping that is built up heavily with lime and/or iron should be replaced. If piping is clogged with iron, a separate iron filter unit should be installed ahead of the water softener.

LOCATION OF SOFTENER AND DRAIN: The softener should be located close to a drain.

BY-PASS VALVES: Always provide for the installation of a by-pass valve.

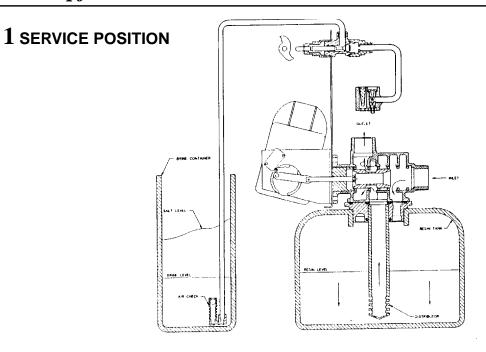
CAUTION: Water pressure is not to exceed 120 p.s.i., water temperature is not to exceed 100°F, and the unit cannot be subjected to freezing conditions.

INSTALLATION INSTRUCTIONS

- 1. Place the softener tank where you want to install the unit making sure the unit is level and on a firm base. (Maximum 4 feet apart for twin units.)
- 2. All plumbing should be done in accordance with local plumbing codes. The pipe size for the drain line should be the same size as the drain line flow control female connection. Water meters are to be installed on soft water outlets. Twin units with (1) one meter shall be installed on common soft water outlet of units.
- 3. Solder joints near the drain must be done prior to connecting the Drain Line Flow Control filling. Leave at least 6" between the DLFC and solder joints when soldering when the pipes are connected on the DLFC. Failure to do this could cause interior damage to the DLFC.
- 4. Teflon tape is the only sealant to be used on the drain fitting. The drain from twin units may be run through a common line.
- 5. Make sure that the floor is clean beneath the salt storage tank and that it is level.
- 6. Place approximately 1" of water above the grid plate (if used) in your salt tank. Salt may be placed in the unit at this time.
- 7. On units with a by-pass, place in by-pass position. Turn on the main water supply. Open a cold soft water tap nearby and let run a few minutes or until the system is free from foreign material (usually solder) that may have resulted from the installation.
- 8. Place the by-pass in service position.
- 9. Manually index the softener control into "service" position and let water flow into the mineral tank. When water flow stops, open a cold water tap nearby and let run until air pressure is relieved.
- 10. Electrical: All electrical connections must be connected according to codes. Use electrical conduit if applicable. Remote meter systems and Twin meter system wiring diagrams are on page 22. Plug into power supply.

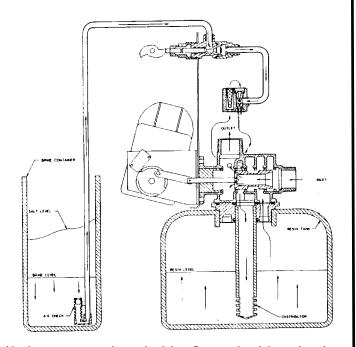
Water Conditioners Flow Diagrams

Standard Upflow Cams 19887/19888



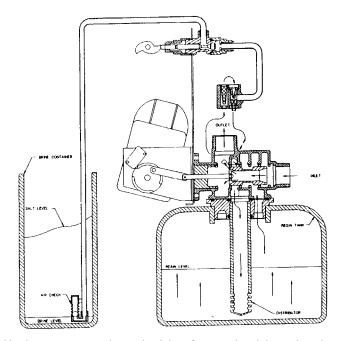
Hard water enters unit at valve inlet and flows down thru the mineral in the mineral tank. Conditioned water enters center tube thru the bottom distributor then flows up thru the center tube around the piston and out the top outlet of the valve.

2 BRINE POSITION



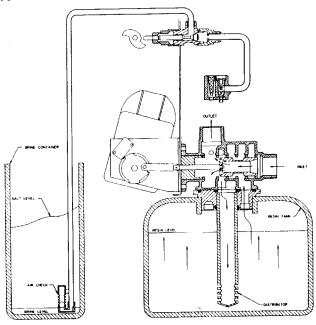
Hard water enters unit at valve inlet - flows up into injector housing and down thru nozzle and orifice to draw brine from the brine tank - brine flows down the center tube thru bottom of tank, up thru mineral to top of tank, around piston and out thru the drain line.

3 SLOW RINSE POSITION



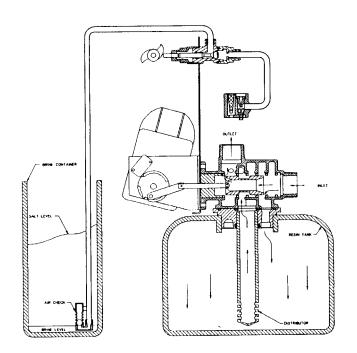
Hard water enters unit at valve inlet - flows up into injector housing and down thru nozzle and orifice - around the piston - down thru center tube thru bottom distributor - flows up thru mineral - around piston and out thru drain line.

4 BACK WASH POSITION



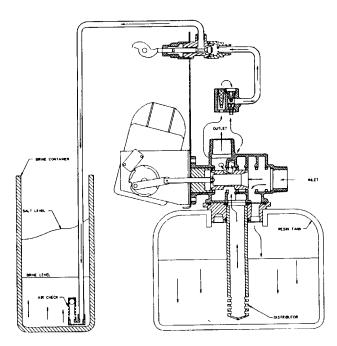
Hard water enters unit at valve inlet - flows thru piston - down center tube - thru bottom distributor and up thru the mineral - around the piston and out the drain line.

5 RAPID RINSE



Hard water flows directly from inlet down thru mineral into center tube bottom distributor and up thru center tube - around piston and out thru the drain line.

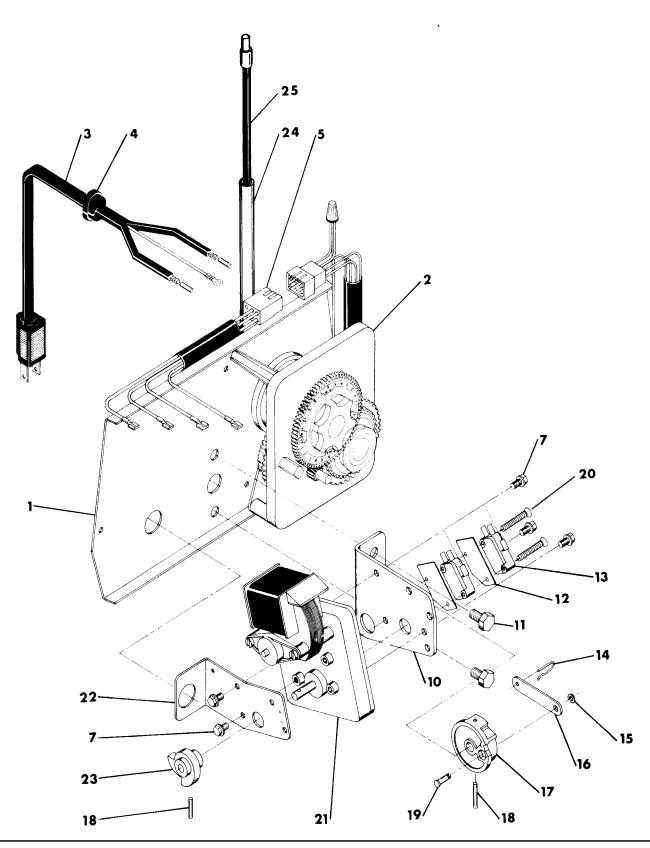
6 BRINE TANK FILL POSITION



Hard water enters unit at valve inlet - flows up thru the injector housing- thru the brine valve to fill the brine tank.

Control Drive Assembly

(See opposite page for parts list)



Page 6

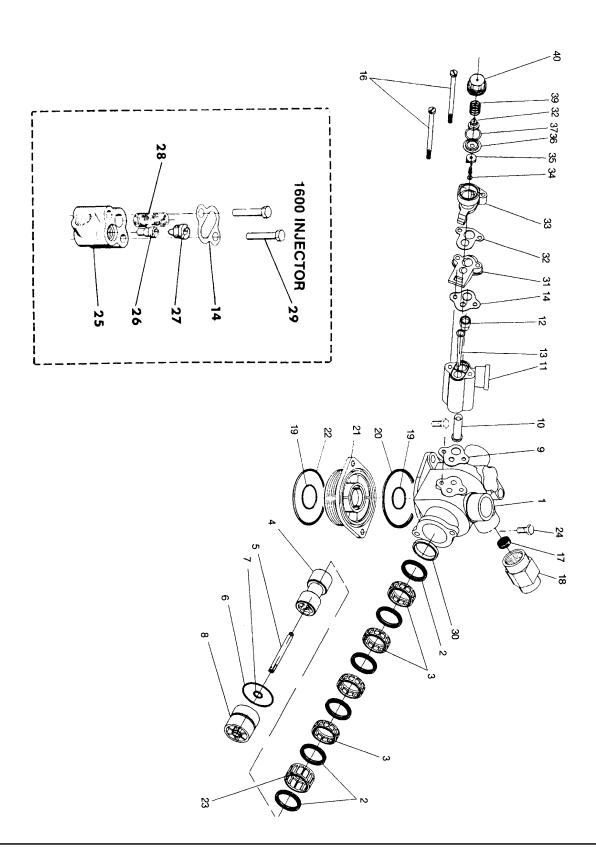
Control Drive Assembly

Parts List

Item No.	Quantity	Part No.	Description
1	1	14884	. Back Plate
	1	15156	. Back Plate - SVO (not shown)
2	1		. Timer -3200 7 Day
			-3200 12 Day
			-3210 Meter
3	1	11838	. Power Cord
4	1	13547	. Strain Relief
-		11667	
7	5	10872	. Screw - Motor Mounting
8			. Not Assigned
10	1	10774	. Bracket - Motor Mounting
11	2	10231	. Screw - Drive Mounting
12	2	10302	. Insulator
13	2	10218	. Switch
14	1	10909	. Connecting Link Pin
		10250	
16	1	10621	. Connecting Link
17	1	19750	. Drive Cam - Variable Brining (not shown)
	1	19888	. Drive Cam - Std. Upflow
		10338	
19	1	13366	. Drive Bearing
		14923	
		10769	
		11826	
23	1	19749	. Brine Valve Cam - Variable Brining (not shown)
			. Brine Valve Cam - Std. Upflow
24	1	15441	. Meter Cable Guide Assembly
		15513	
			. Screw - Timer Mounting (not shown)
		15742	
		15833	
			. Cover, 1 Piece, Black (not shown)
30	2	19367	Scrow Cover (not shown)

Control Valve with 1700 Injector

(See opposite page for parts list)

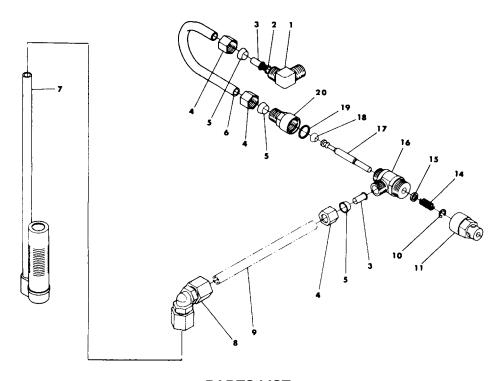


Control Valve with 1700 Injector

Parts List

Item No.	No. Req'd.	Part No.	Description
		19401-01	•
		10545	
		11451	·
4	1	19454	Piston
5	1	14452	Piston Rod
6	1	40078	"O" Ring - End Plug
7	1	10209	Quad Ring - Piston Rod
8	1	10598-03	End Plug Assembly
9	1	14805	Injector Body Gasket
10	1	14802	Injector Throat1
11	1	17777-02	Injector Body
12	1	14801	Injector Nozzle
13	1	19478	Injector Screen
14	1	19925	Injector Cover Gasket
15	1	16221	Air Disperser - 1600 Injector (not shown)
			Screw- Injector Body
			Washer - Flow Control (specify size)
			Flow Control Housing
			"O" Ring Base
			"O" Ring Base
			Adapter Base 2-1/2-8 Thd
			"O" Ring-Top of Tank
			Spacer, Long, Red
			Screw - Valve Mounting
		17776-02	
			Injector Throat
			Injector Nozzle
			Injector Nozzie
			Screw - Injector Body
		10757	
			Adapter Regulator - 1600
31			Adapter Regulator - 1700
32	1		Gasket, Adapter - 1600
			Gasket, Adapter - 1700
			Body, Regulator - 1600
33		19464-01	· · · · · · · · · · · · · · · · · · ·
24		19462	3 , 3
34			
25		19924	
		19463	
		18568	
			Washer, Regulator
		18571	
39			Spring, Regulator - 1600
40			Spring, Regulator- 1700
40	1	18570	Cap, Regulator

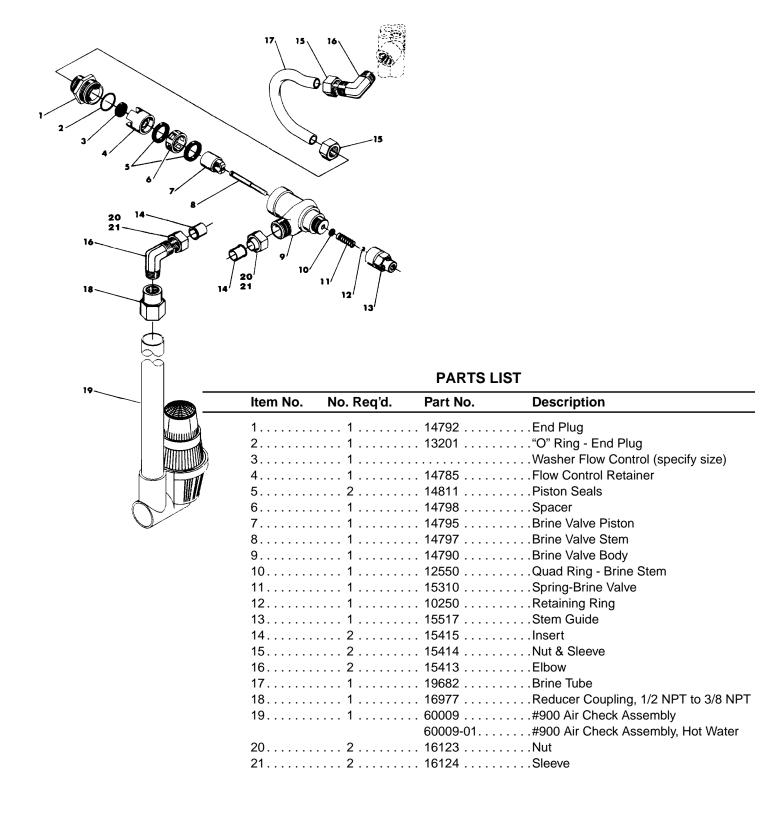
1600 Series Brine System Assembly



PARTS LIST

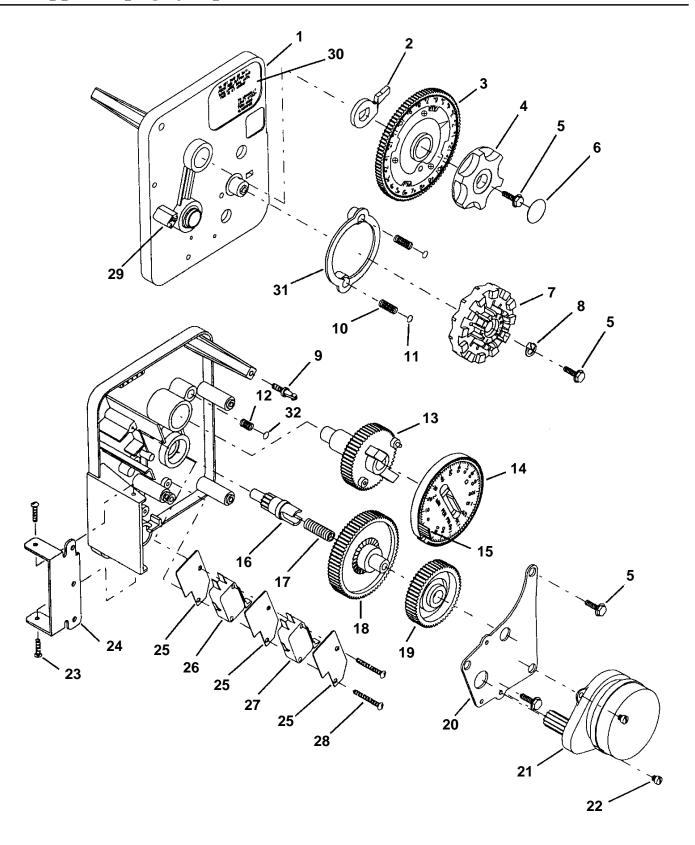
Item No. Quantity	Part No.	Description	
1 1	10328-01		
2 1	12767	Brine Line Screen	
3 2	10332	Insert Sleeve 3/8 Tube)	
4	10329	Fitting Nut (3/8 Tube)	
5 3	10330	Derlin Sleeve (3/8 Tube)	
6 1	14703-02	Brine Valve Tube	
7 1	60002	#500 Air Check Assembly	
	60003	#500 Air Check Assembly, Hot Water	
8 1	12794	90° Elbow-3/8 Tube to 3/8 Tube	
9 1	Not Supplied	Brine Line Tube (3/8 Flexible Tube)	
10 1	10250	Retaining Ring	
11	11749	Stem Guide	
12		Not Assigned	
13		Not Assigned	
14 1	10249	Brine Valve Spring	
15 1	12550	Quad Ring	
16 1	12748	Brine Valve Body	
17 1	12552	Brine Valve Stem	
18 1	12626	Brine Valve Seat	
19 1	11982		
20 1	60020-25	BLFC .25 GPM	
		BLFC .50 GPM	
	60020-100	BLFC 1.0 GPM	

1700 Series Brine System



Timer Assembly

(See opposite page for parts list)



Timer Assembly

Parts List

Ite	m No.	No. Req'd.	Part No.	Description
1.		1	. 113870	Timer Housing
2 .		1	. 13011	Cycle Actuator Arm
3 .		1	. 40096-24	24 Hour Gear Assembly, 12 Midnight
			40096-02	24 Hour Gear Assembly, 2 a.m.
4 .		1	. 13886-01	Knob
5 .		5	. 13296	Screw - Timer Knob and Motor Mtg. Plate
6 .		1	. 11999	Button Decal
7 .		1	. 14381	Skipper Wheel Assembly - 12 Day
				Skipper Wheel Assembly - 7 Day
			. 13014	
9 .		1	. 14265	Spring Clip
				Spring - Skipper Wheel Detent
				Ball - 1/4 in. Dia. Skipper Wheel
12		1	. 15424	Spring - Main Gear Detent
			. 13911	
			. 19210	•
15		21	. 15493	Roll Pin
			. 13018	
			. 13312	. •
			. 13017	
			. 13164	
			. 13887	-
21		1	. 18743	•
			19659	
			. 13278	
				Screw - Timer Hinge & Ground Wire
			. 13881	S .
			. 14087	
			. 10896	
			. 15320	
			. 11413	<u> </u>
			. 14007	•
			. 14045	
			. 13864	
				Ball 1/4 in. Dia. Main Gear
			. 13902	
			. 12681	
No	ot Shown.	1	. 15354-01	Ground Wire

1" Commercial Demand Regeneration Control

Timer Settings

Typical Programming Procedure

Calculate the gallon capacity of the system, subtract the necessary reserve requirement and set the appropriate gallons available opposite the small white dot on the program wheel gear. Note, drawing shows 10,000 gallon setting. The capacity (gallons) arrow denotes remaining gallons exclusive of calculated reserve.

How To Set The Time Of Day:

Press and hold the red button in to disengage the drive gear.

Turn the large gear until the actual time of day is opposite the time of day pointer

Release the red button to again engage the drive gear.

How To Manually Regenerate Your Water Conditioner At Any Time:

Turn the manual regeneration knob clockwise.

This slight movement of the manual regeneration knob engages the program wheel and starts the regeneration program.

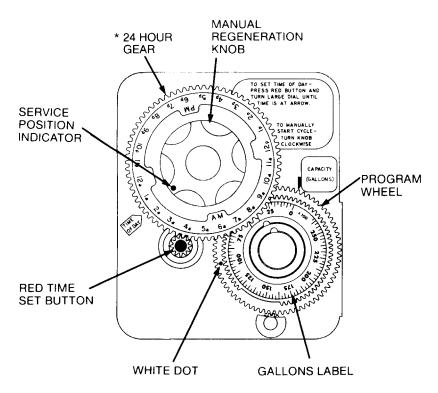
The black center knob will make one revolution in the following approximately three hours and stop in the position shown in the drawing.

Even though it takes three hours for this center knob to complete one revolution, the regeneration cycle of your unit might be set for only one half of this time.

In any event, conditioned water may be drawn after rinse water stops flowing from the water conditioner drain line.

Immediate Regeneration Timers:

These timers do not have a 24 hour gear. Setting the gallons on the program wheel and manual regeneration procedure are the same as previous instructions.



^{*} Immediate regeneration timers do not have 24 hour gear. No time of day can be set.

MODEL 3200 TIMER

Timer Setting Procedure

How To Set Days On Which Water Conditioner Is To Regenerate:

Rotate the skipper wheel until the number "1" is at the red pointer. Set the days that regeneration is to occur by sliding tabs on the skipper wheel outward to expose trip fingers. Each tab is one day. Finger at red pointer is tonight. Moving clockwise from the red pointer, extend or retract fingers to obtain the desired regeneration schedule.

How To Set The Time Of Day:

Press and hold the red button in to disengage the drive gear.

Turn the large gear until the actual time of day is at the time of day pointer.

Release the red button to again engage the drive gear.

How To Manually Regenerate Your Water Conditioner At Any Time:

Turn the manual regeneration knob clockwise.

This slight movement of the manual regeneration knob engages the program wheel and starts the regeneration program.

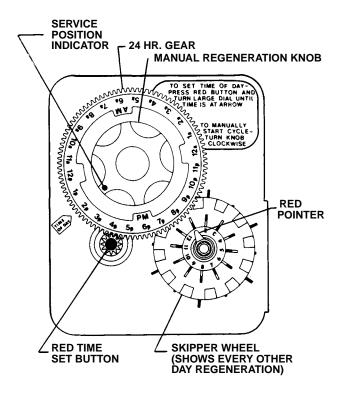
The black center knob will make one revolution in the following approximately three hours and stop in the position shown in the drawing.

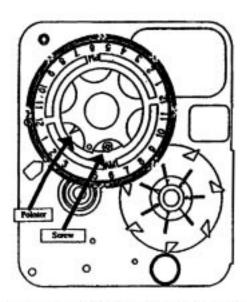
Even though it takes three hours for this center knob to complete one revolution, the regeneration cycle of your unit might be set for only one half of this time.

In any event, conditioned water may be drawn after rinse water stops flowing from the water conditioner drain line.

How to Adjust Regeneration Time:

- 1. Disconnect the power source.
- 2. Locate the three screws behind the manual regeneration knob by pushing the red button in and rotating the 24 hour dial until each screw appears in the cut out portion of the manual regeneration knob.
- 3. Loosen each screw slightly to release the pressure on the time plate from the 24 hour gear.
- Locate the regeneration time pointer on the inside of the 24 hour dial in the cut out.
- 5. Turn the time plate so the desired regeneration time aligns next to the raised arrow.
- 6. Push the red button in and rotate the 24 hour dial. Tighten each of the three screws.
- 7. Push the red button and locate the pointer one more time to ensure the desired regeneration time is correct.
- 8. Reset the time of day and restore power to the unit.





3200 ADJUSTABLE REGENERATION TIMER

IMPORTANT!
SALT LEVEL MUST ALWAYS BE ABOVE
WATER LEVEL IN BRINE TANK.

MODEL 3000, 3200 & 3210 TIMER SERIES

Regenerating Cycle Program Setting Procedure

(Brine Tank Refill Separate From Rapid Rinse)

How To Set The Regeneration Cycle Program:

The regeneration cycle program on your water conditioner has been factory preset, however, portions of the cycle or program may be lengthened or shortened in time to suit local conditions.

3200 & 3210 Series Timers (Figure to Right)

To expose cycle program wheel, grasp timer in upper lefthand corner and pull, releasing snap retainer and swinging timer to the right.

To change the regeneration cycle program, the program wheel must be removed. Grasp program wheel and squeeze protruding lugs toward center, lift program wheel off timer. (Switch arms may require movement to facilitate removal.)

Return timer to closed position engaging snap retainer in back plate. Make certain all electrical wires locate above snap retainer post.

3000 Series Timers (Not Pictured)

To expose the program wheel on hinge type mounted timers, remove the screw in the upper left hand corner and swing the timer outward.

To change the regeneration cycle program, the program wheel must be removed by holding the black center knob on the front of the timer, while you remove the wing nut and the program wheel from the rear of the timer.

Timer Setting Procedure for 3000, 3200 & 3210 Timer

How To Change The Length Of The Backwash Time:

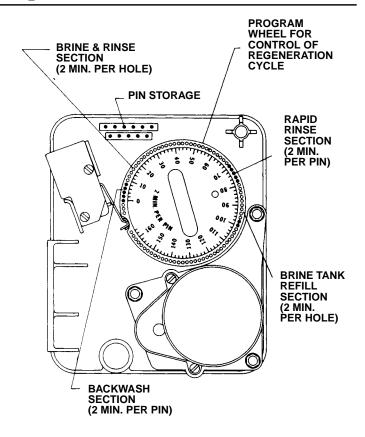
The program wheel as shown in the drawing is in the service position. As you look at the numbered side of the program wheel, the group of pins starting at zero determines the length of time your unit will backwash.

FOR EXAMPLE: If there are six pins in this section, the time of backwash will be 12 min. (2 min. per pin). To change the length of backwash time, add or remove pins as required. The number of pins times two equals the backwash time in minutes.

How To Change The Length Of Brine And Rinse Time:

The group of holes between the last pin in the backwash section and the second group of pins determines the length of time that your unit will brine and rinse (2 mm. per hole.)

To change the length of brine and rinse time, move the rapid rinse group of pins to give more or fewer holes in the brine and rinse section. Number of holes times two equals brine and rinse time in minutes.



How To Change The Length Of Rapid Rinse:

The second group of pins on the program wheel determines the length of time that your water conditioner will rapid rinse. (2 min. per pin.)

To change the length of rapid rinse time, add or remove pins at the higher numbered end of this section as required. The number of pins times two equals the rapid rinse time in minutes.

How To Change The Length Of Brine Tank Refill Time:

The second group of holes in the program wheel determines the length of time that your water conditioner will refill the brine tank. (2 mm. per hole.)

To change the length of refill time, move the two pins at the end of the second group of holes as required.

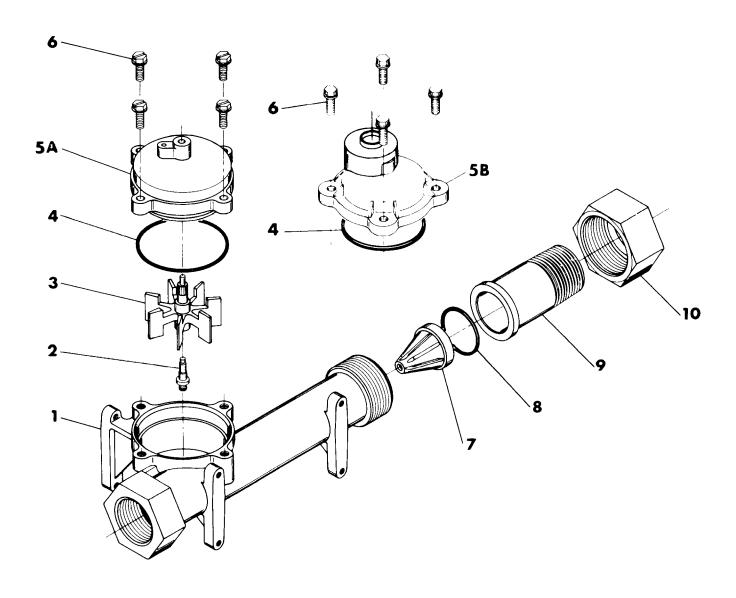
The regeneration cycle is complete when the outer microswitch is tripped by the two pin set at end of the brine tank refill section.

The program wheel, however, will continue to rotate until the inner micro-switch drops into the notch on the program wheel.

Notes			

1" Meter Assembly

(See opposite page for parts list)



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1" Meter Assembly

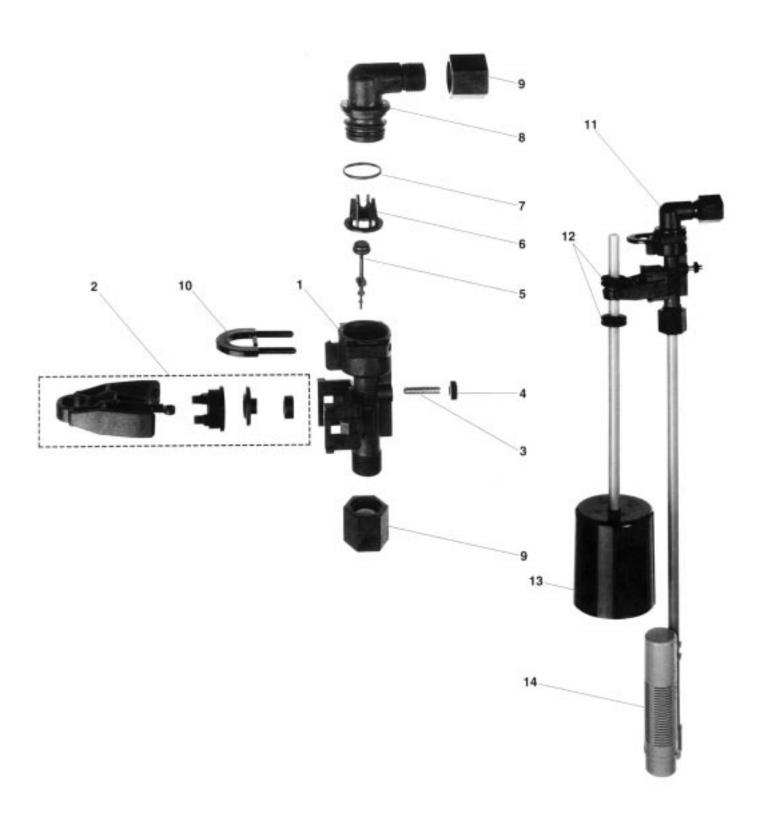
Parts List

Item No.	No. Req'd.	Part No.	Description
1	1	14959	Meter Body
2	1	13882	Post, Meter Impeller
3	1	13509	Impeller
4	1	13847	"O" Ring Meter Cover
			Meter Cover Assembly (Std.)
			Meter Cover Assembly (Extended Range)
		12112	
		14960	
			"O" Ring Quick Connect
			Nipple Quick Connect
		14962	• •
			Brass 1" Coupling (not shown)

MODEL 2750

2310 Safety Brine Valve

(See opposite page for parts list)



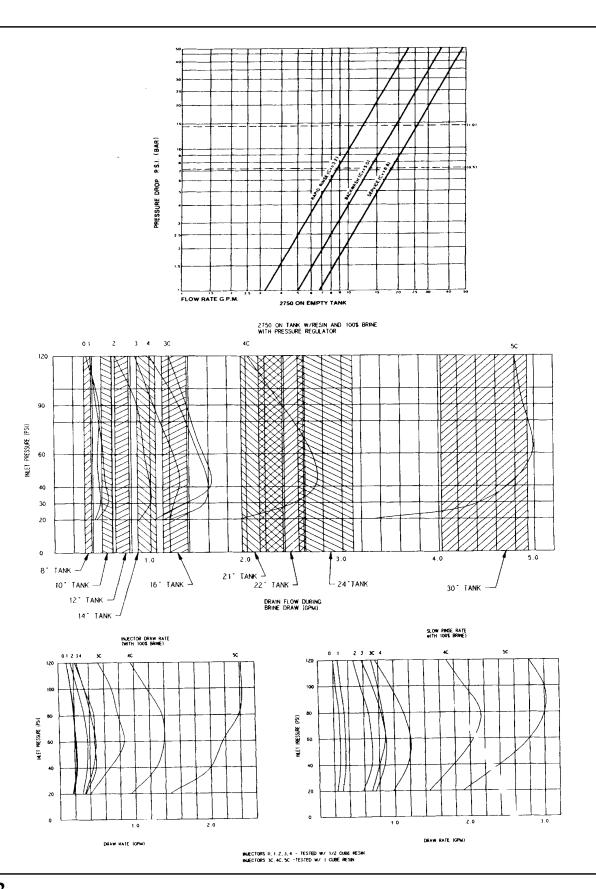
MODEL 2750

2310 Safety Brine Valve

Parts List

Item No.	No. Req'd.	Part No.	Description
1	1	19645	Safety Brine Valve Body
2	1	19803	Safety Brine Valve Arm Assembly
3	1	19804	Stud, 10-24
4	1	19805	Nut, 10-24
5	1	19652-01	Poppet & Seal
6	1	19649	Flow Dispenser
7	1	11183	O-Ring, -017
8	1	19647	Elbow, Safety Brine Valve
9	2	19625	Nut Assembly, 3/8
10	1	18312	Retaining Clip
11	1	60014	Safety Brine Valve, 2310 (includes items 1-10)
12	2	10150	Grommet (included with item 13)
13	1	60068	Float Assembly, 2310
14	1	60002	500 Air Check Assembly

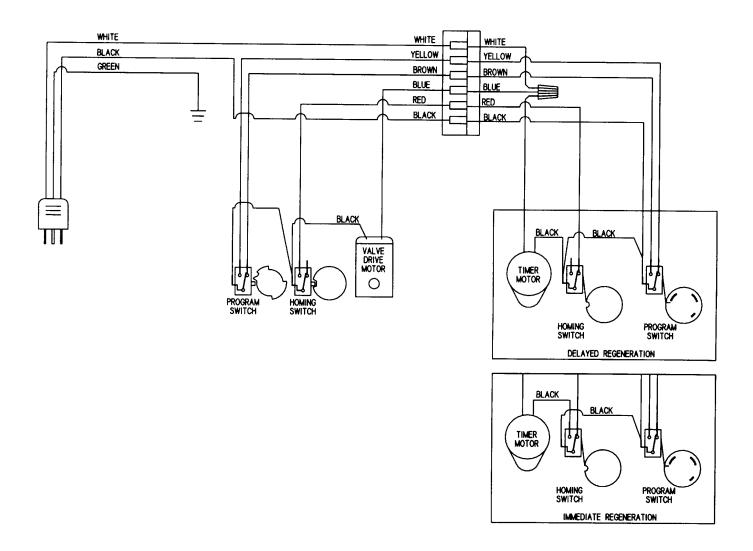
1700 Series Brine System



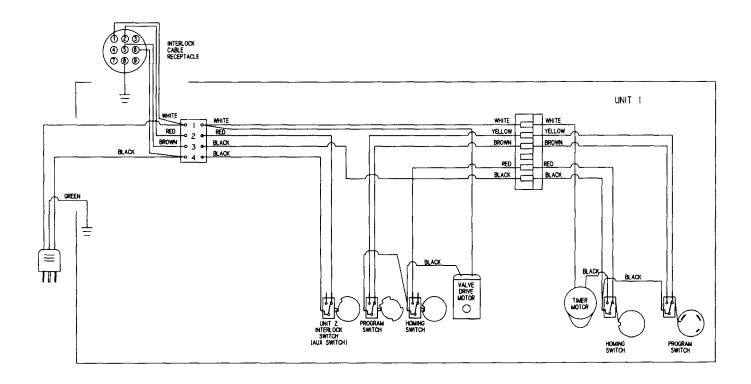
Page 22

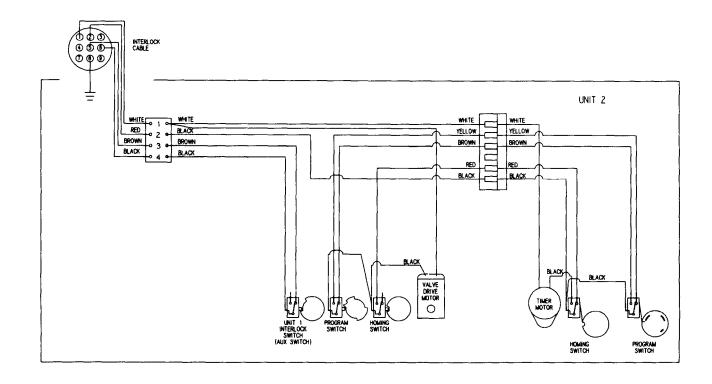
Single System Wiring Diagram

Immediate or Delayed Regeneration

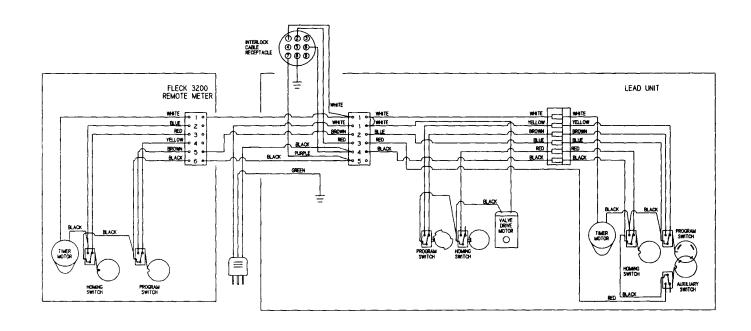


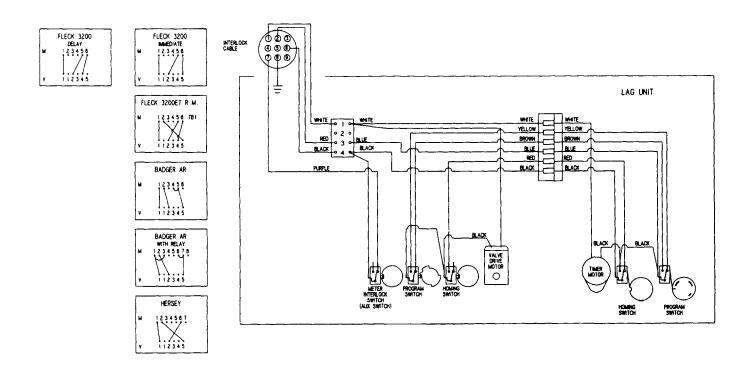
2 Meter Interlock Wiring Diagram



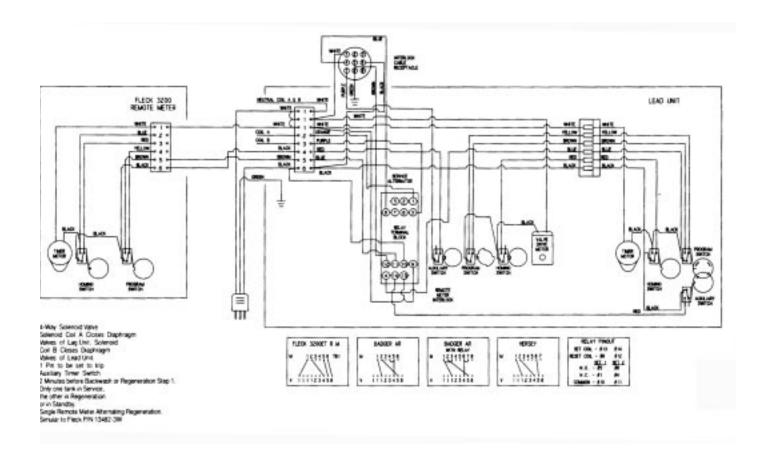


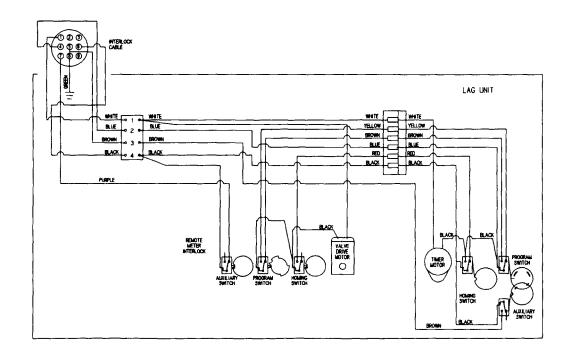
Series Regeneration Wiring Diagram



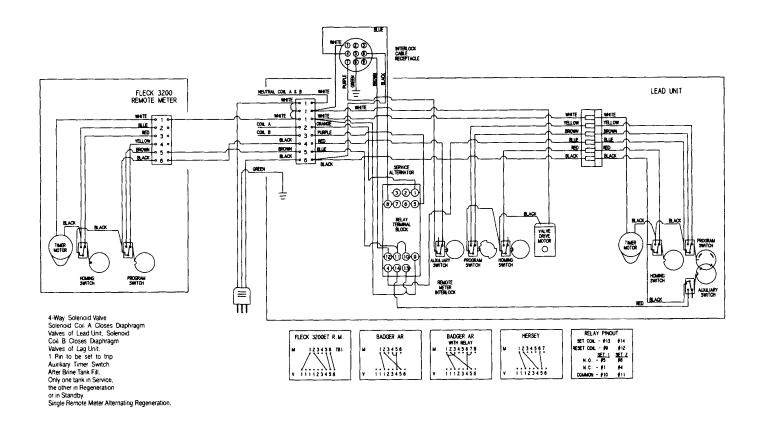


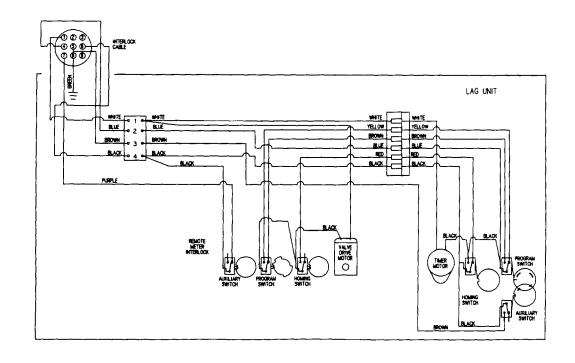
Alternator Wiring Diagram - 3-Way Solenoid Output





Alternator Wiring Diagram - 4-Way Solenoid Output





MODEL 2750

Service Instructions

	PROBLEM		CAUSE		CORRECTION
1.	Softener Fails To Regenerate.	A.	Electrical Service To Unit Has Been Interrupted.	A.	Assure Permanent Electrical Service (Check Fuse, Plug, Pull Chain or Switch).
		B.	Timer Is Defective.	B.	Replace Timer.
		C.	Power Failure.	C.	Reset Time of Day.
2.	Hard Water.	A.	By-Pass Valve is Open.	A.	Close By-Pass Valve.
		В.	No Salt in Brine Tank.	B.	Add Salt To Brine Tank and Maintain Salt Level Above Water Level.
		C.	Injector Screen Plugged.	C.	Clean Injector Screen.
		D.	Insufficient Water Flowing Into Brine Tank.	D.	Check Brine Tank Fill Time And Clean Brine Line Flow Control If Plugged
		E.	Hot Water Tank Hardness.	E.	Repeated Flushings Of The Hot Water Tank is Required.
		F.	Leak At Distributor Tube.	F.	Make Sure Distributor Tube Is Not Cracked. Check "O" Ring And Tube Pilot.
		G.	Internal Valve Leak.	G.	Replace Seals and Spacers And/Or Piston.
3.	Unit Used Too Much Salt.	A.	Improper Salt Setting.	A.	Check Salt Usage and Salt Setting.
		B.	Excessive Water in Brine Tank.	В.	See Problem No. 7.
4.	Loss Of Water Pressure.	A.	Iron Buildup In Line To Water Conditioner.	A.	Clean Line To Water Conditioner.
		В.	Iron Buildup in Water Conditioner.	B.	Clean Control and Add Mineral Cleaner to Mineral Bed. Increase Frequency of Regeneration.
		C.	Inlet of Control Plugged Due to Foreign Material Broken Loose From Pipes By Recent Work Done On Plumbing System.	C.	Remove Piston and Clean Control.
5.	Loss of Mineral Through Drain Line.	A.	Air In Water System.	A.	Assure That Well System Has Proper Air Eliminator Control. Check For Dry Well Condition.
		В.	Improperly Sized Drain Line Flow Control.	В.	Check For Proper Drain Rate.
6.	Iron In Conditioned Water.	Α.	Fouled Mineral Bed.	A.	Check Backwash, Brine Draw And Brine Tank Fill. Increase Frequency of Regeneration. Increase Backwash Time.
7.	Excessive Water In Brine Tank.	A.	Plugged Drain Line Flow Control.	A.	Clean Flow Control

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PROBLEM	CAUSE	CORRECTION
	B. Plugged Injector System.	B. Clean Injector and Screen.
	C. Timer Not Cycling.	C. Replace Timer.
	D. Foreign Material In Brine Valve.	D. Replace Brine Valve Seat And Clean Valve.
	E. Foreign Material In Brine Line Flow Control.	E. Clean Brine Line Flow Control.
8. Softener Fails To Draw Brine.	A. Drain Line Flow Control Is Plugged.	A. Clean Drain Line Flow Control.
	B. Injector Is Plugged.	B. Clean Injector.
	C. Injector Screen Plugged.	C. Clean Screen.
	D. Line Pressure Is Too Low.	D. Increase Line Pressure To 20 PSI.
	E. Internal Control Leak.	E. Change Seals, Spacers and Piston Assembly.
	F. Service Adapter Did Not Cycle.	F. Check Drive Motor And Switches.
9. Control Cycles Continuously.	A. Missadjusted, Broken or Shorted Switch.	A. Determine If Switch or Timer Is Faulty and Replace It, or Replace Complete Power Head
10. Drain Flows Continuously.	A. Valve Is Not Programming Correctly.	Check Timer Program and Positioning of Control. Replace Power Head Assembly If Not Positioning Properly.
	B. Foreign Material In Control.	B. Remove Power Head Assembly And inspect Bore, Remove Foreign Material and Check Control In Various Regeneration Positions.
	C. Internal Control Leak.	C. Replace Seals and Piston Assembly.

General Service Hints For Meter Control

Problem: Softener Delivers Hard Water.

Cause could be that... Reserve Capacity Has Been Exceeded.

Correction: Check salt dosage requirements and reset program wheel to provide additional reserve.

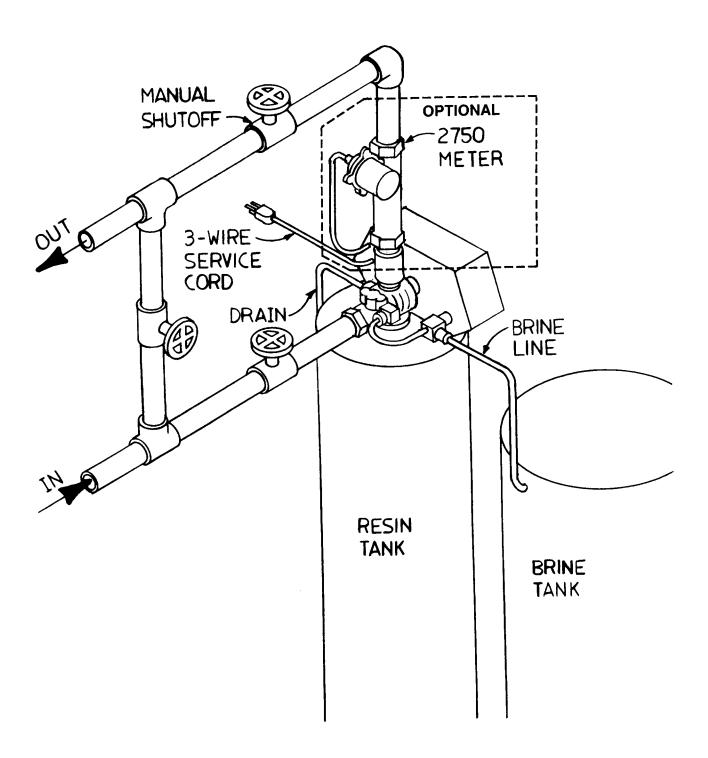
Cause could be that... Program Wheel Is Not Rotating With Meter Output.

Correction: Pull cable out of meter cover and rotate manually. Program wheel must move without binding and clutch must give positive "clicks" when program wheel strikes regeneration stop. If it does not, replace timer.

Cause could be that. .. Meter Is Not Measuring Flow.

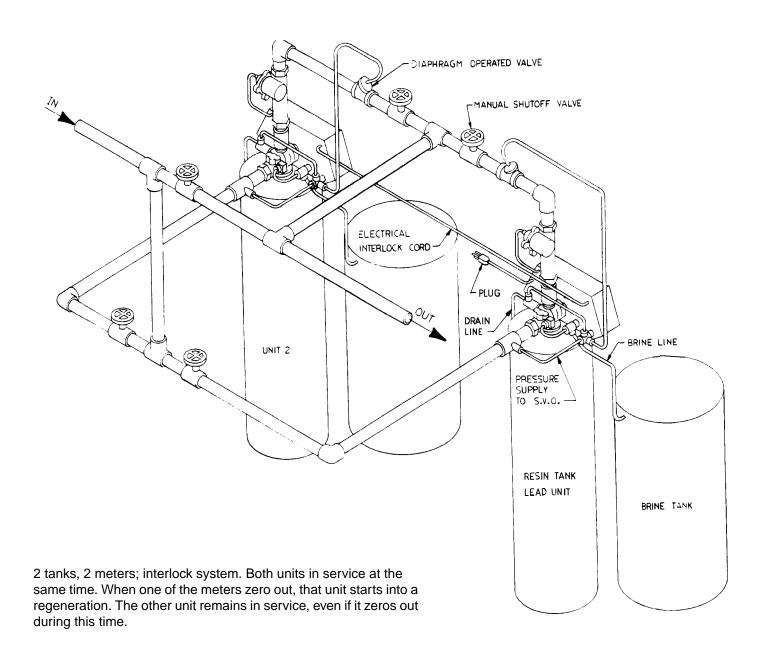
Correction: Check meter with meter checker.

System #4 - Typical Single Tank Installation With Optional Meter



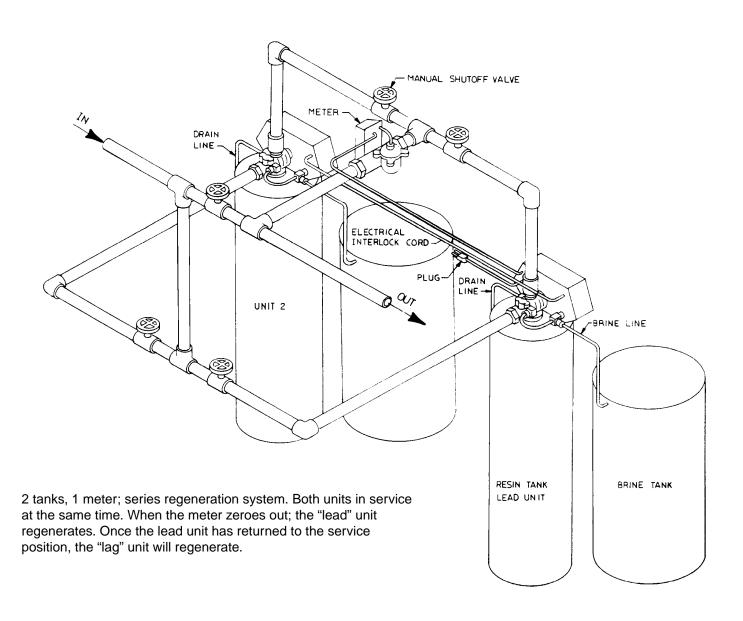
System #5 Interlock - Typical Twin Tank Installation With

Optional 2 Meter Interlock And No Hard Water Bypass

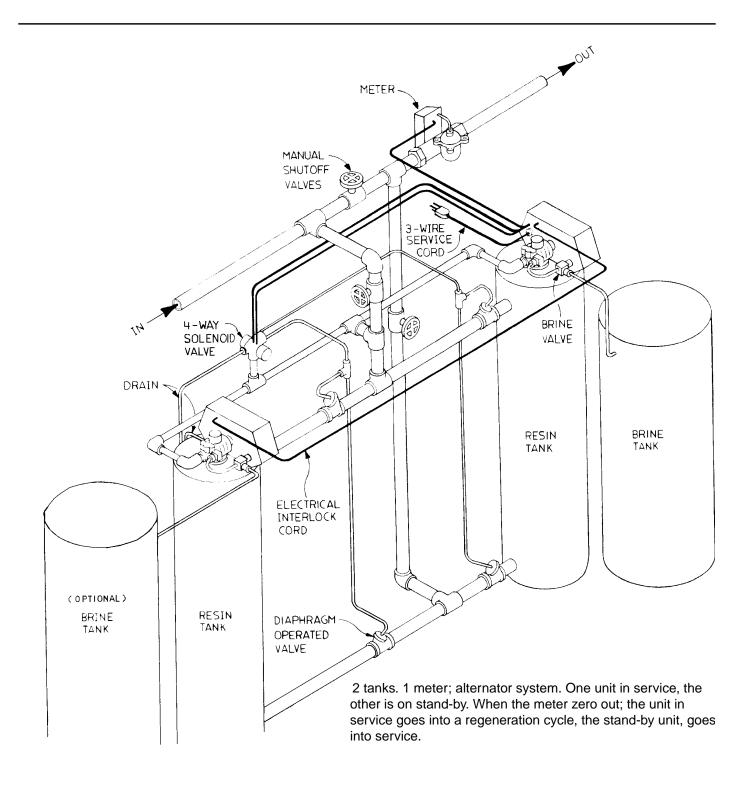


System #6 - Twin Series Regeneration

Installation With A Remote Meter



System #7 - Twin Alternator Installation With A Remote Meter



Service Assemblies

60029	1600 Brine Valve	601 90-UF	2750 Piston Assembly
	For Illustration, See Page 12	10598-03	.End Plug Assy.
1 10249	. Brine Valve Spring	1 10909	.Pin, Link
1 10250	. Retaining Ring	1 19954	. Piston, 2750, Upflow
2 10329		1 14452	
2 10330		60424.20	Sool & Spacer Vit 2750
2 10332		00121-20	Seal & Spacer Kit, 2750
1 11749		6 10545	
111982		110757	
	. 1600 Brine Valve Stem	4	
112626		1 19457	. Spacer, Upflow, Red
1 12748			
1 12550		60050-21	2750 Drive Assy., 120V
	•	2 10218	2750 Drive Assy., 120V . Micro Switch
60034-XX	1700 Brine Valve,	1 10250	
	Specify Refill Rate	2 10302	
4 40050	For Illustration, See Page 11	2 10338	
1 10250		1 10621	.Link
1 12550		1 10769	
1 13201	. Quad Ring		.Bracket, Motor Drive Side
	. Flow Control Retainer		.Screw, Hex Washer 8-32 x 5/16
1 14790			.Wire Harness, Drive Motor
	. Brine Valve End Plug		.Bracket, Sensor Motor
1 14795		1 12576	
1 14797		1 12777	
1 14798		1 13366	
2 14811			.Screw, Pan HD Mach 4-40x1
1 15310		117904	
1 15517			
1 15414		60365-XX	Brass DLFC 3/4" NPT
1 16123			Specify Flow Rate
1 16124	. Ferrule 1/2"		Range 1.2 - 7.0 GPM
60485-XX	1600 Injector Assembly,	60710-XX	BLFC, 1" Specify Flow Rate
	Specify Injector Size		Range 8.0 - 25.0 GPM
4 40470	For Illustration, See Page 8	60391	2750 Meter Assy., STD
1 19479	. Injector Screen . 90° Elbow 1/4" NPT x 3/8 Tube	60392	2750 Meter Assy., EXT
2 19740		60301	3000 12 Day Timer,
1 10913			Specify Voltage
		60303	3200 Clock Timer,
1 10914	. Injector Priloat . Injector Body Gasket	00303	Specify Voltage
	•		
1 17776-02 60486-XX	1700 Injector Assembly,	60306	3210 Delay Timer, Specify Voltage
	Specify Injector Size	60307	3220 Immed Timer,
	For Illustration, See Page 8	3333.	Specify Voltage
117777-02			open, remige
1 14801	· · · · · · · · · · · · · · · · · · ·		
1 14802			
1 19478			
2 19718	•		
	. Injector Body Gasket		
	,,		

Notes