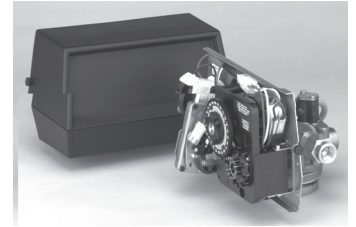




Fleck 2750 Down fow

Service Manual

TABLE OF CONTENTS



JOB SPECIFICATION SHEET

1. Type of Timer:

2. Down fow: Up fow Up fow Variable

3. Meter Size:

4. System Type:

Brings units on and offline based on fow.

5. Timer Program Settings:

Brine Tank Refill:

6. Drain Line Flow Control: _____ gpm

7. Brine Line Flow Controller: _____ gpm

8. Injector Size#: _____

9. Piston Type:

INSTALLATION

Water Pressure

flow into the mineral tank. When water flow stops, slowly

Electrical Facilities

Existing Plumbing

iron filter unit should be installed ahead of the water softener.

Location Of Softener And Drain

breaks and back flow.

BY-PASS VALVES

CAUTION Water pressure is not to exceed 125 psi (8.6 bar), water temperature is not to exceed 110°F (43°C), and the unit cannot be subjected to freezing conditions.

Installation Instructions

making sure the unit is level and on a firm base.

should be a minimum of 1/2" (13 mm). Backwash flow rates

lines should be the same size as the drain line flow control.

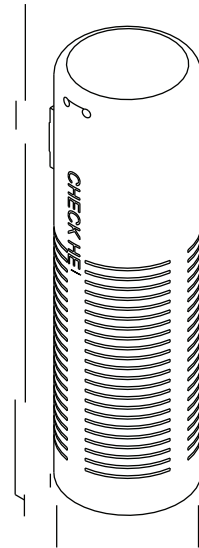
distributor tube flush with the top of the tank.

connecting the Drain Line Flow Control fitting (DLFC).

Teflon tape is the only sealant to be used on the drain fitting. The drain from twin tank units may be run through a

Make sure that the floor is clean beneath the salt storage

plate. If a grid is not utilized, fill to the top of the air check



3200 TIMER SETTING PROCEDURE

How To Set Days On Which Water Conditioner Is To Regenerate (Figure 2)

tabs on the skipper wheel outward to expose trip fingers.

clockwise from the red pointer, extend or retract fingers to

How To Set The Time Of Day

How To Manu h M

3210 TIMER SETTING PROCEDURE

Typical Programming Procedure

NOTE: Drawing shows 8,750 gallon setting. The capacity (gallons) arrow (15) shows zero gallons remaining. The unit will regenerate tonight at the set regeneration time.

How To Set The Time Of Day

How To Manually Regenerate Your Water Conditioner At Any Time

3200, 3210, 3220, 3230 REGENERATION CYCLE SETTING PROCEDURE

How To Set The Regeneration Cycle Program

3200 Series Timers (Figure 4)

Timer Setting Procedure

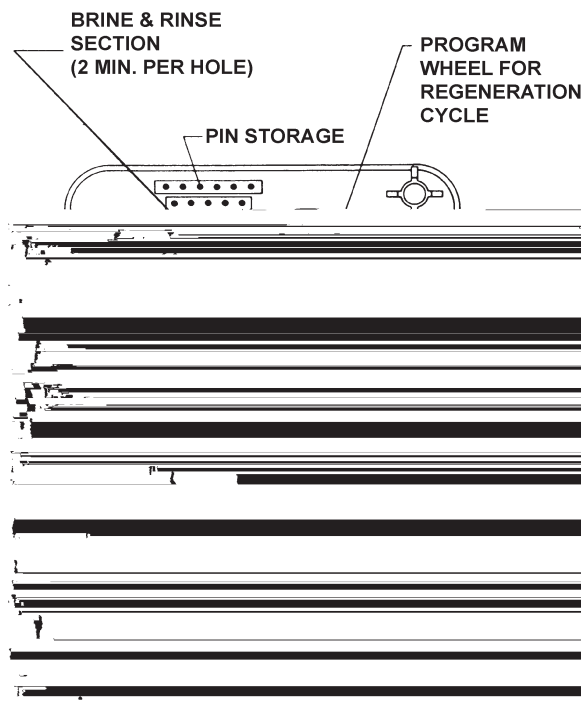
How To Change The Length Of The Backwash Time

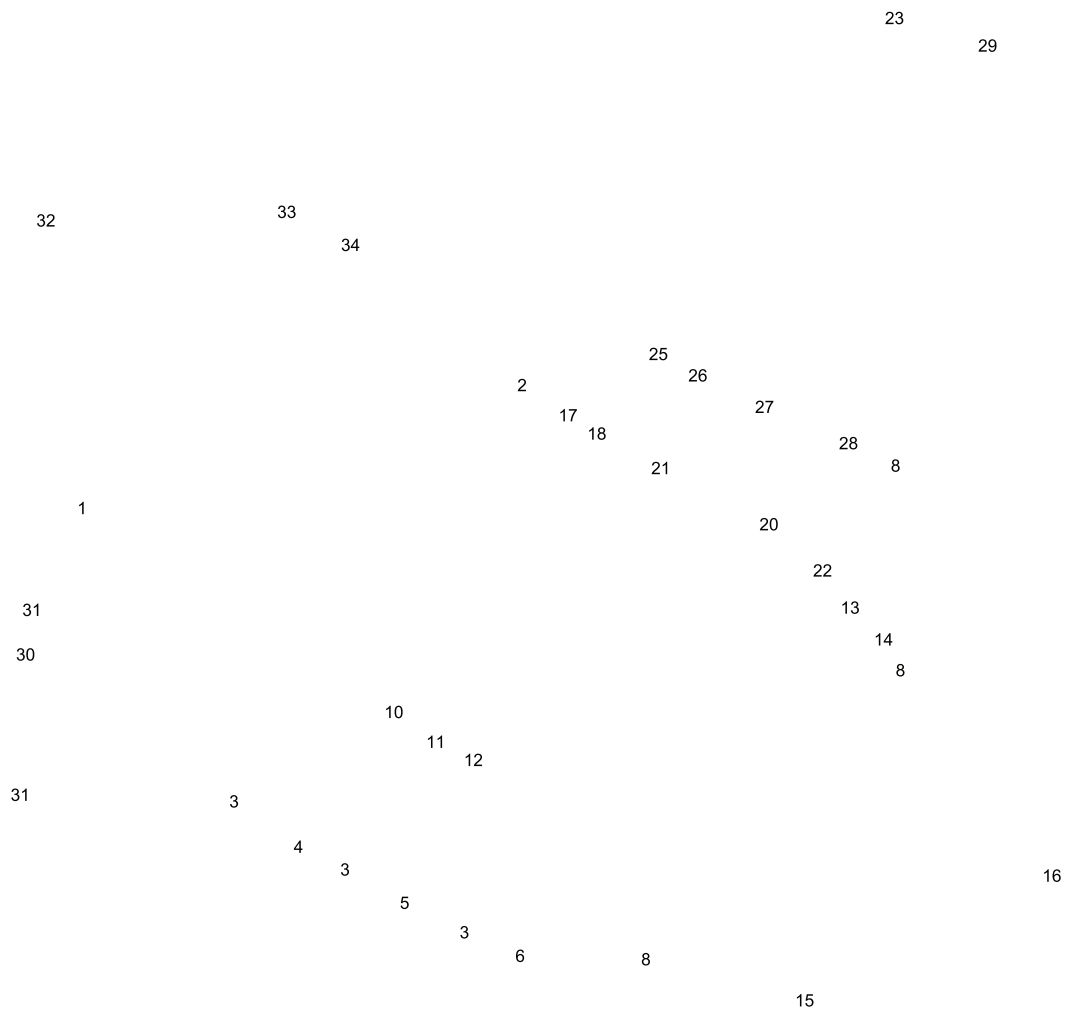
How To Change The Length Of Brine And Rinse Time

How To Change The Length Of Rapid Rinse

How To Change The Length Of Brine Tank Re fill Time

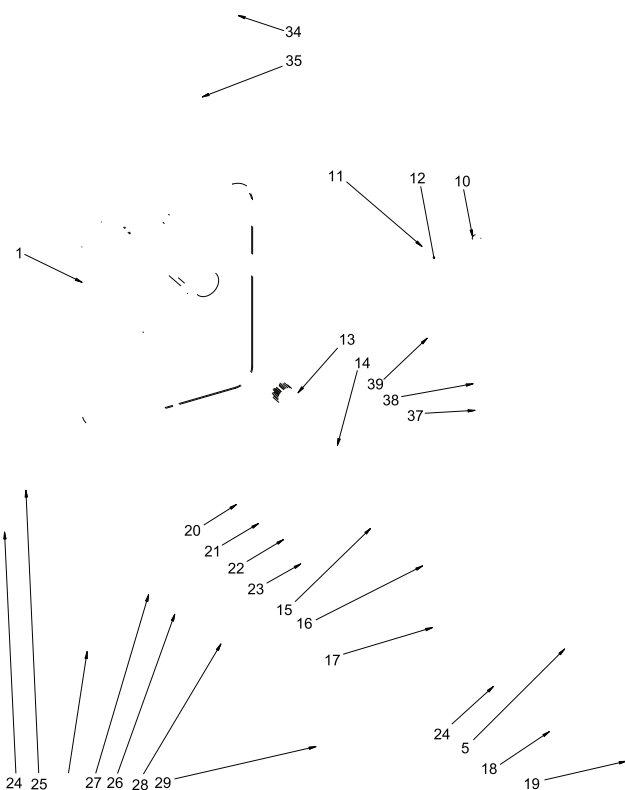
will re fill the brine tank (2 min. per hole).
To change the length of re fill time, move the two pins at the
tank re fill section.





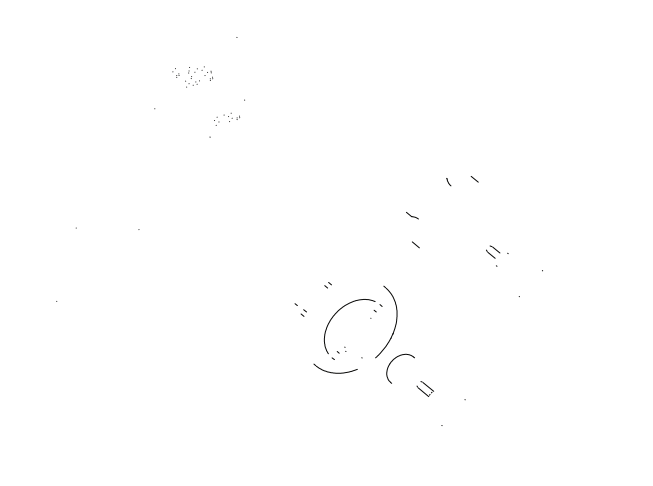
3210 METER DELAYED TIMER

ASSEMBLY



3220 METER IMMEDIATE TIMER

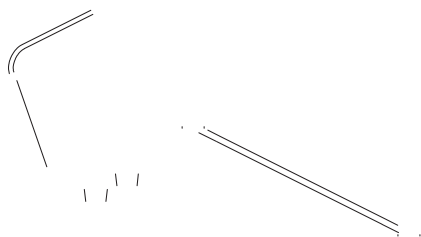
ASSEMBLY



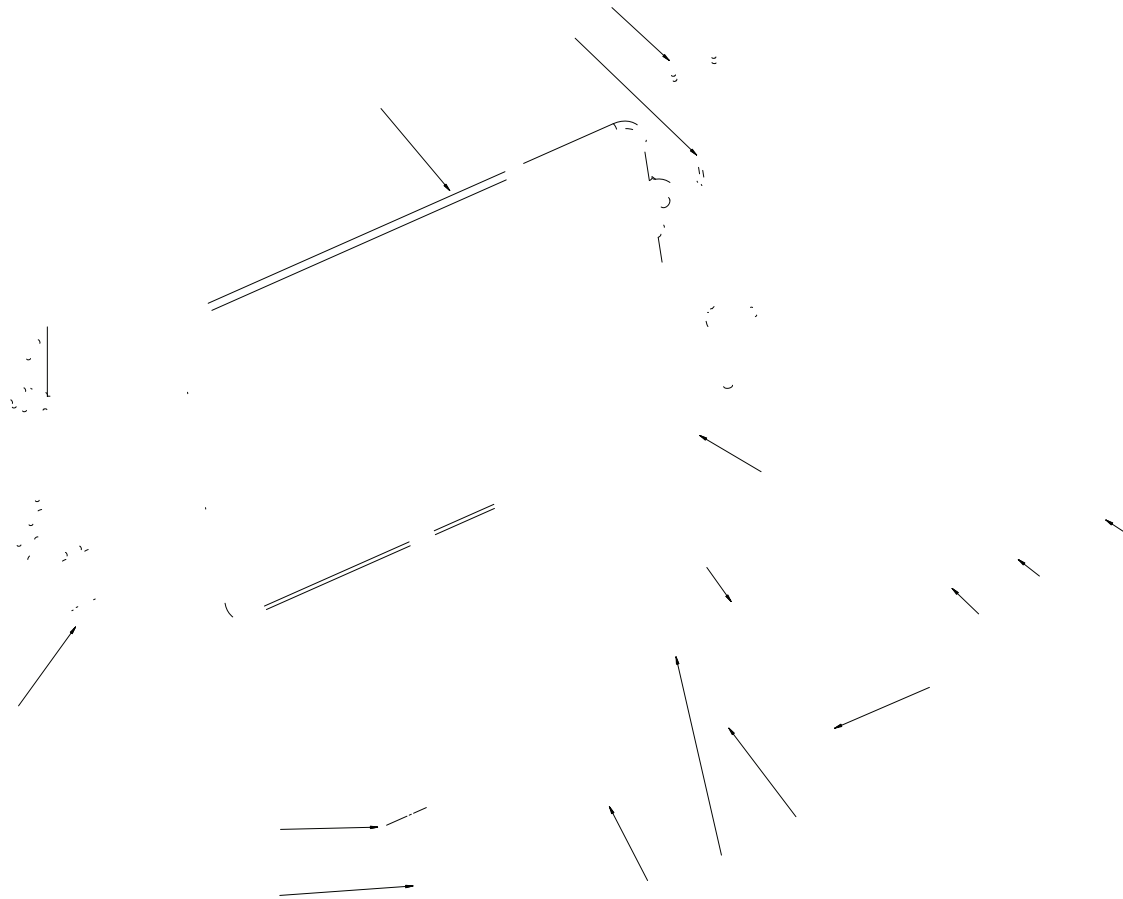
Item No.	QTY	Part No.	Description
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Item No.	QTY	Part No.	Description
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3230 REMOTE START TIMER ASSEMBLY



POWERHEAD ASSEMBLY (ENVIRONMENTAL)



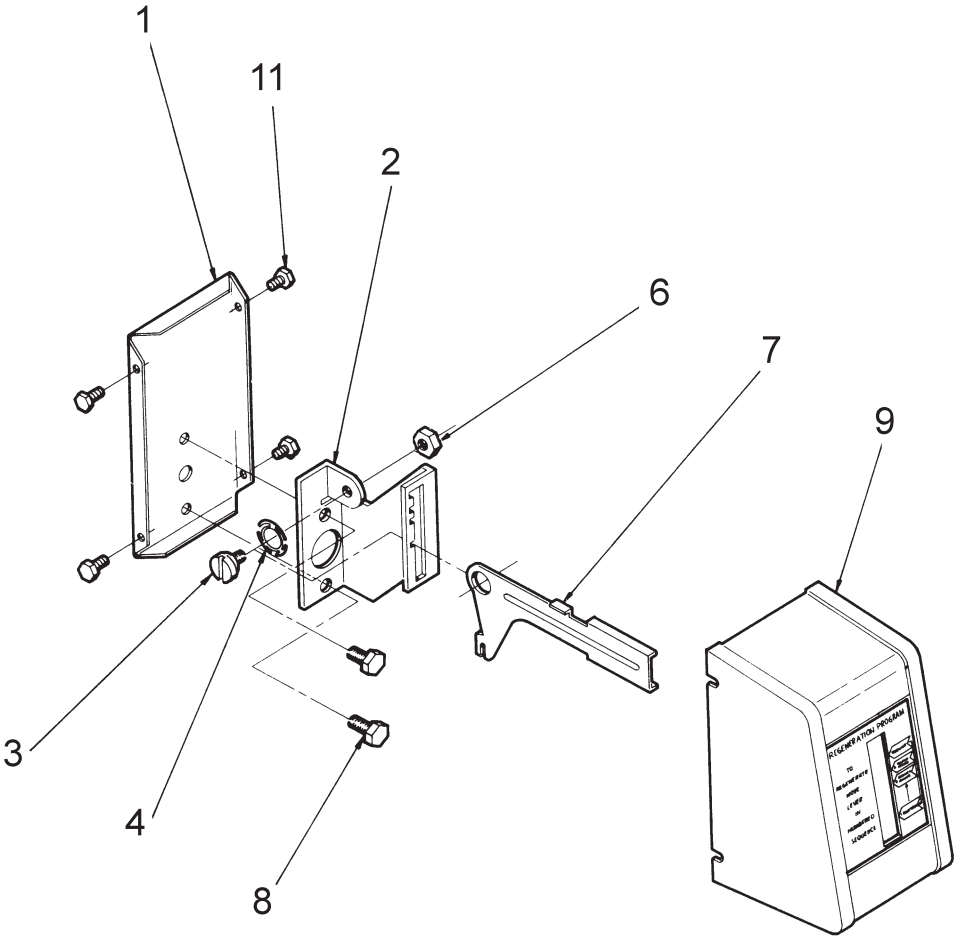
Item No.	QTY	Part No.	Description
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Item No.	QTY	Part No.	Description
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Not Shown:

**Bracket is integrated into the motor and picture may not reflect actual

MANUAL POWERHEAD ASSEMBLY



Item No.	QTY	Part No.	Description
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Not Shown:

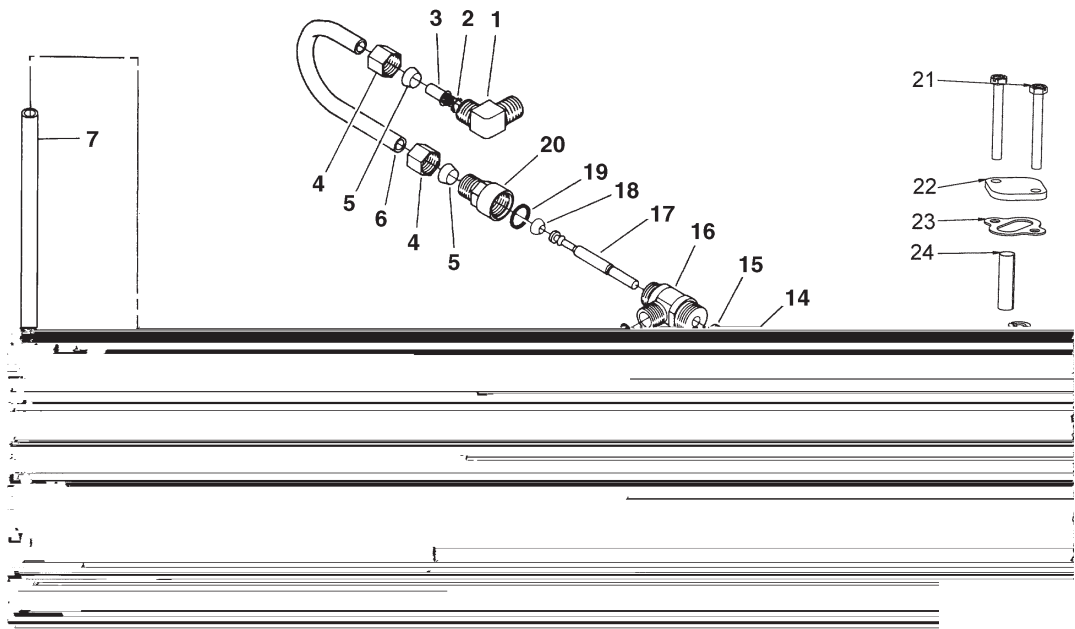
CONTROL VALVE WITH 1700 INJECTOR



Item No.	QTY	Part No.	Description	Item No.	QTY	Part No.	Description
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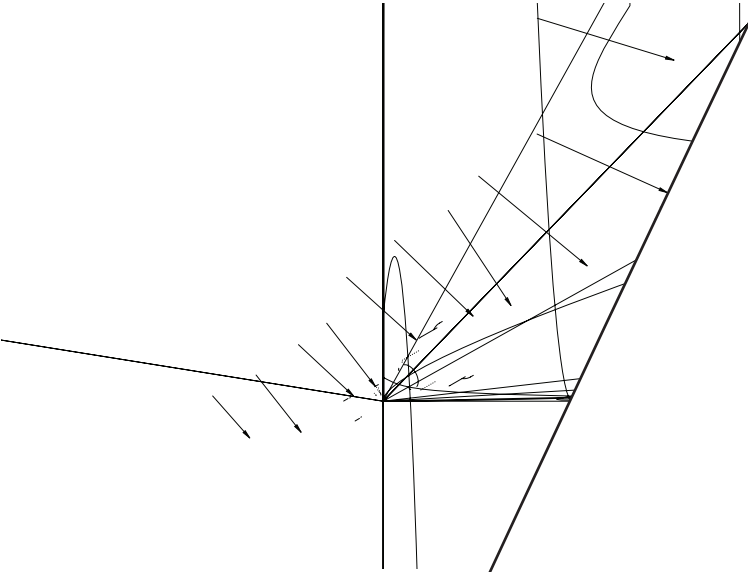
Not Shown

1600 BRINE SYSTEM ASSEMBLY



Item No.	QTY	Part No.	Description	Item No.	QTY	Part No.	Description
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1600 BRINE SYSTEM ASSEMBLY

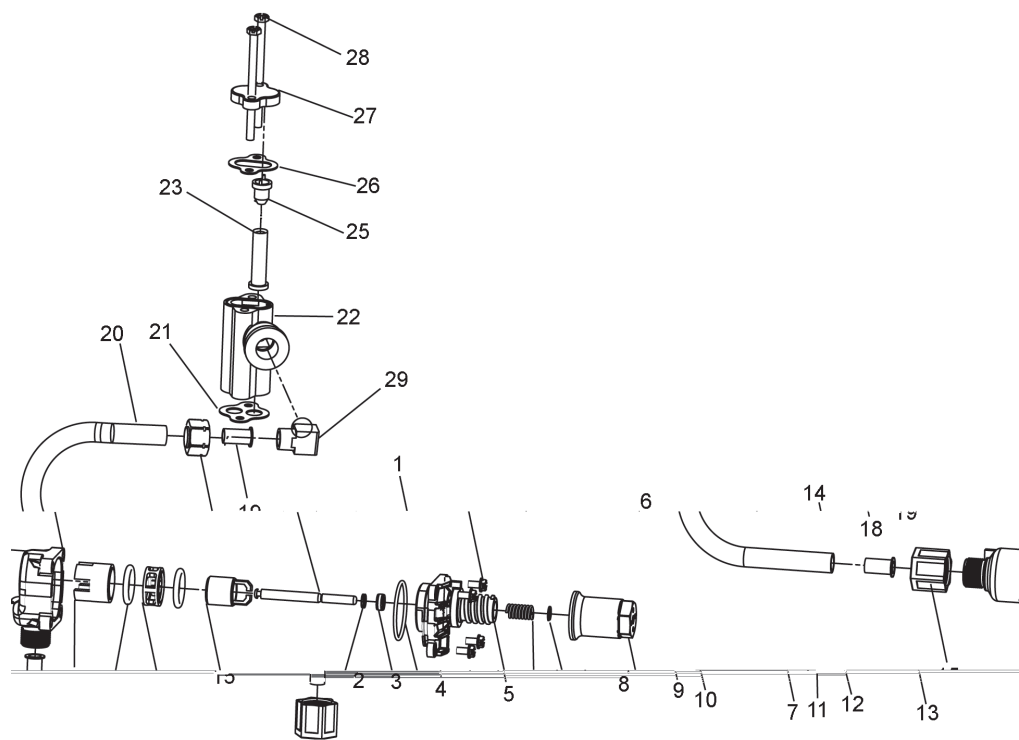


Item No.	QTY	Part No.	Description
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1700 SERIES BRINE SYSTEM
ASSEMBLY

Item No.	QTY	Part No.	Description
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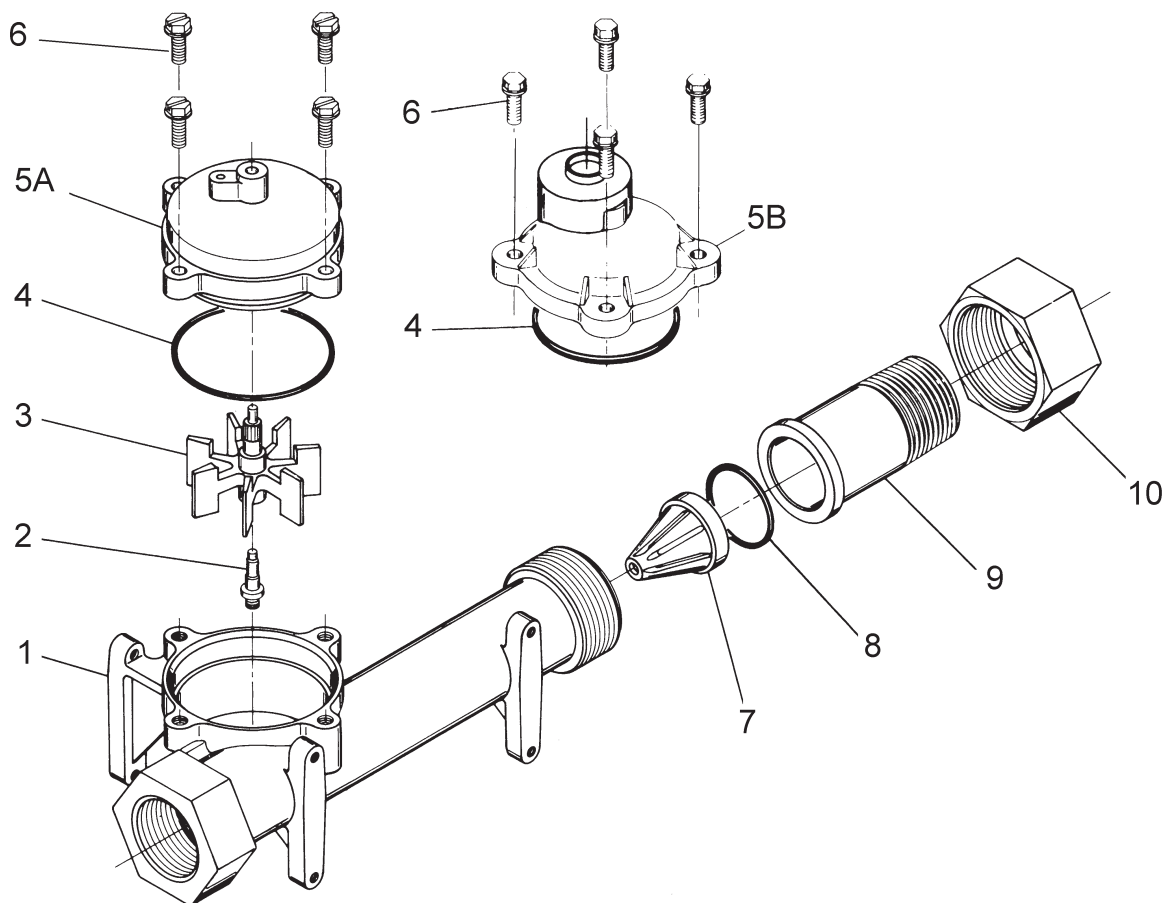
1710 BRINE SYSTEM ASSEMBLY



Item No.	QTY	Part No.	Description	Item No.	QTY	Part No.	Description
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Not Shown

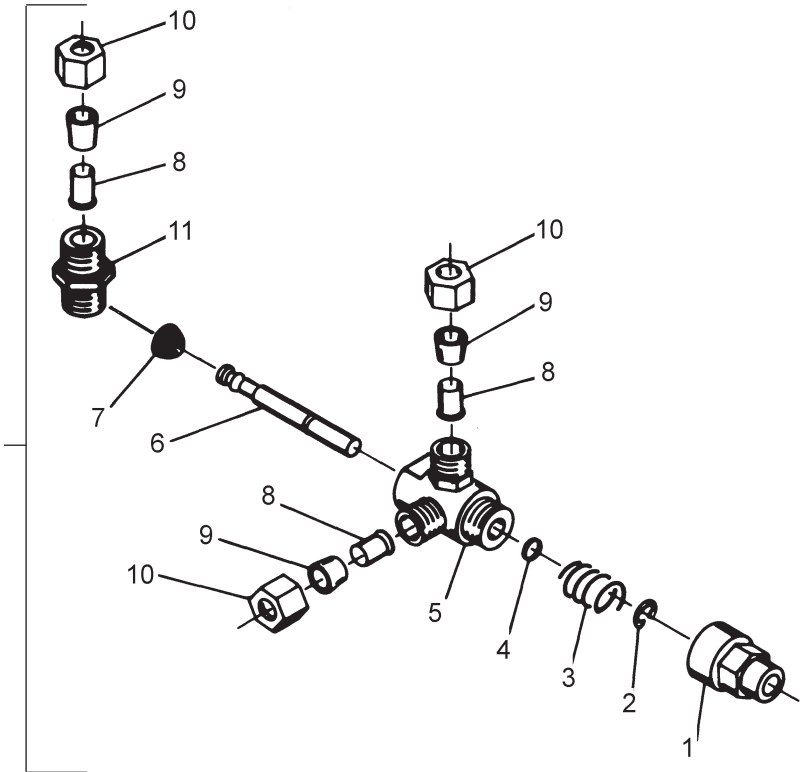
1" METER ASSEMBLY



Item No.	QTY	Part No.	Description
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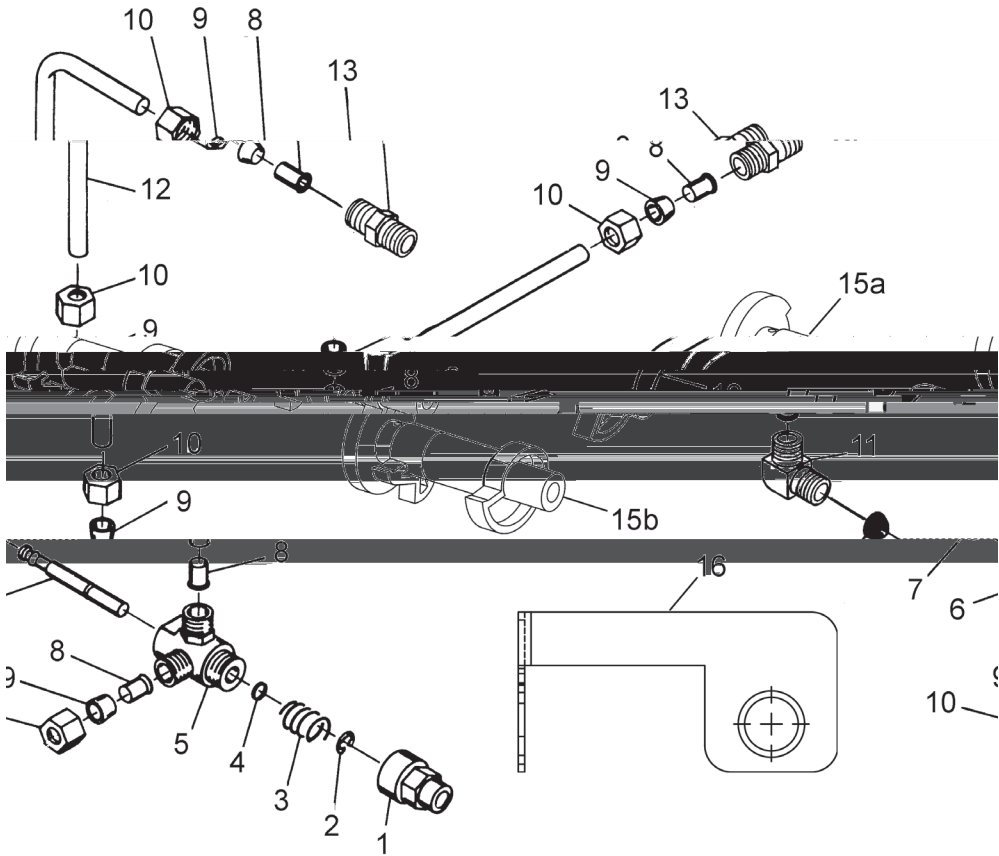
Not Shown

1600 SERVICE VALVE OPERATOR
(OLD STYLE)



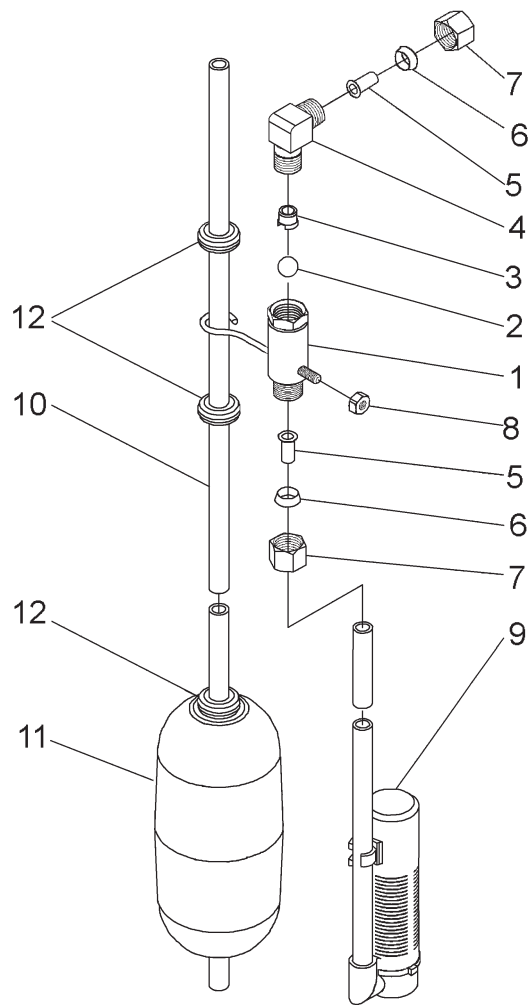
Item No.	QTY	Part No.	Description
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1600 SERVICE VALVE OPERATOR (NEW STYLE)



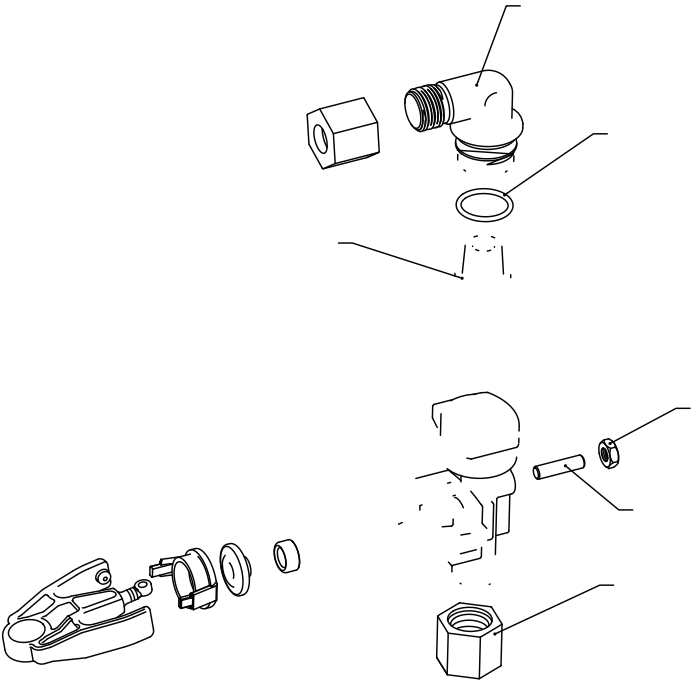
Item No.	QTY	Part No.	Description
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2300 SAFETY BRINE VALVE



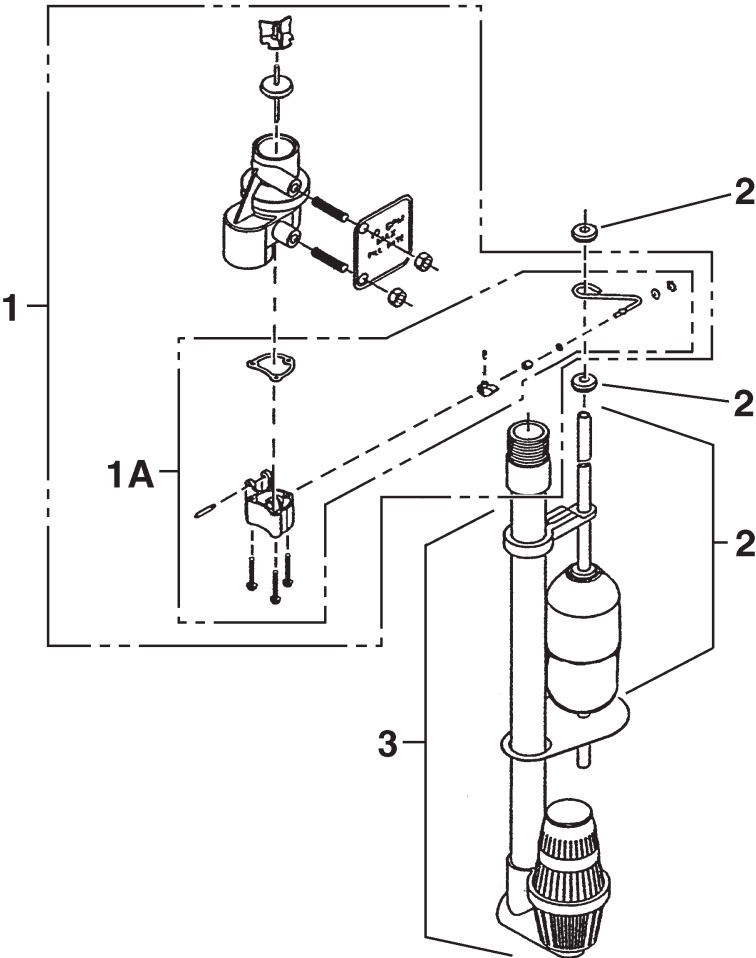
Item No.	QTY	Part No.	Description
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2310 SAFETY BRINE VALVE



Item No.	QTY	Part No.	Description
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2350 SAFETY BRINE VALVE ASSEMBLY



Item No.	QTY	Part No.	Description
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TROUBLESHOOTING

Problem	Cause	Correction
	Insufficient water flowing into brine tank.	Check brine tank fill time and clean brine line flow
		Repeated flushings of the hot water tank is
	Improperly sized drain line flow control.	
		Check backwash, brine draw, and brine tank fill.
	Plugged drain line flow control.	Clean flow control.
	Foreign material in brine line flow control.	Clean brine line flow control.
	Drain line flow control is plugged.	Clean drain line flow control.
Drain flows continuously.		

GENERAL SERVICE HINTS FOR METER CONTROL

Problem: Softener delivers hard water

Reason:

Correction:

Reason:

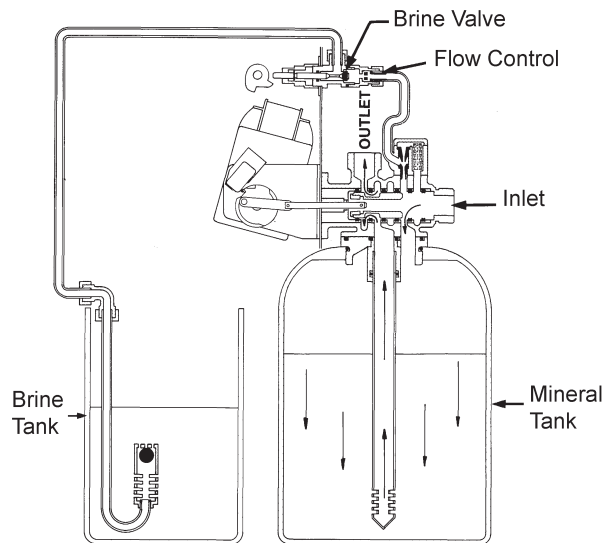
Correction:

Reason: Meter is not measuring flow.

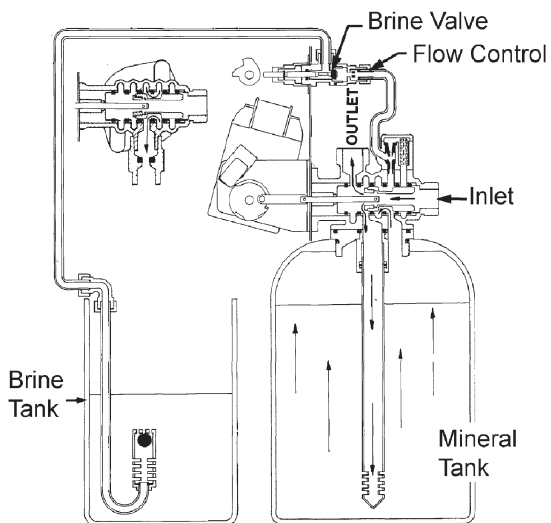
Correction:

WATER CONDITIONER FLOW DIAGRAMS

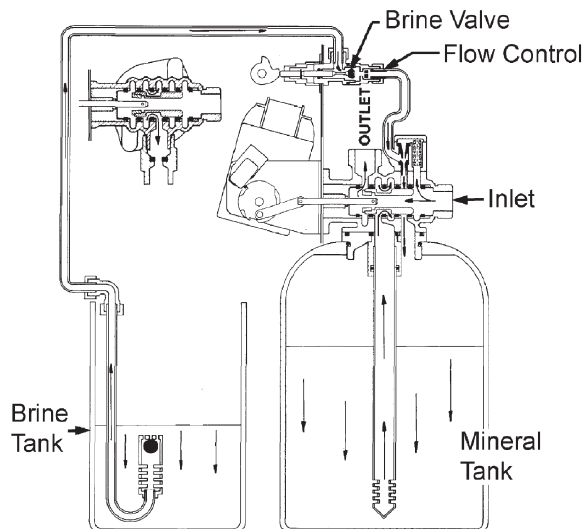
1 Service Position



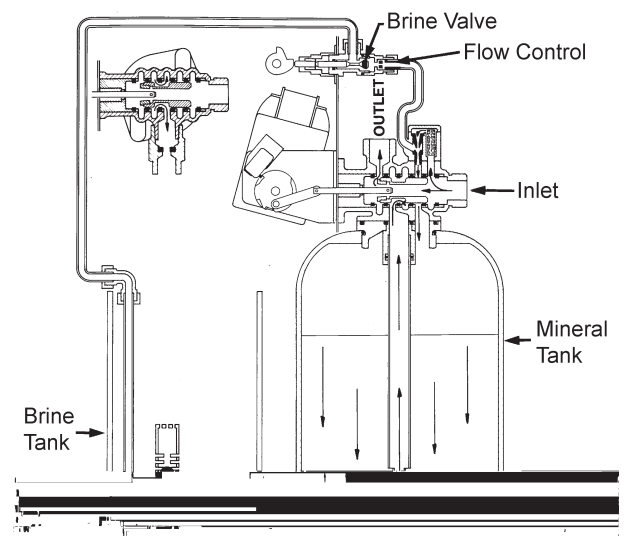
2 Backwash Position



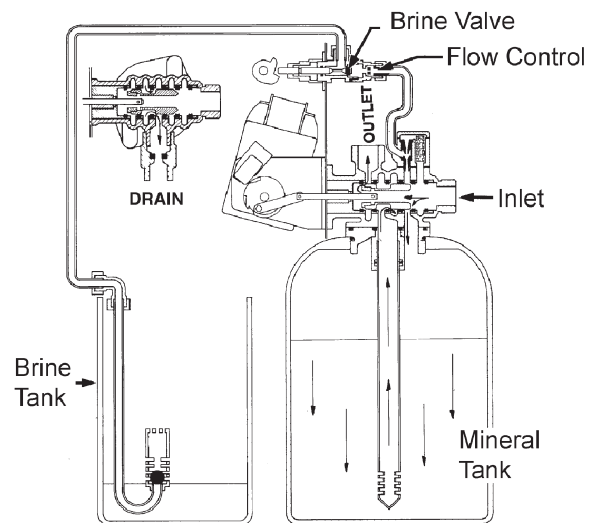
3 Brine Position



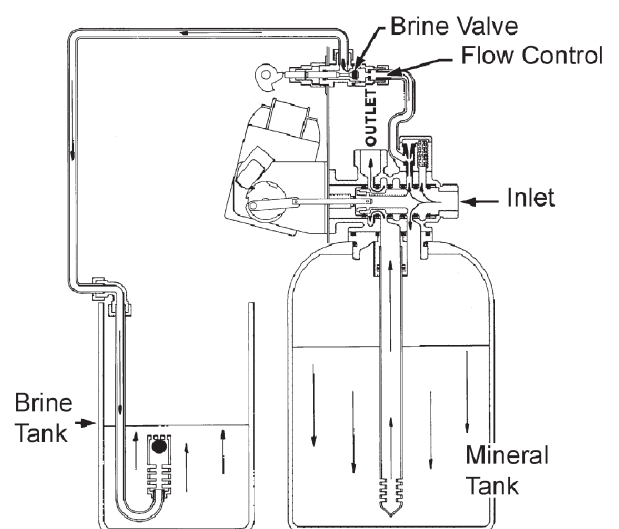
4 Slow Rinse Position



5 Rapid Rinse Position



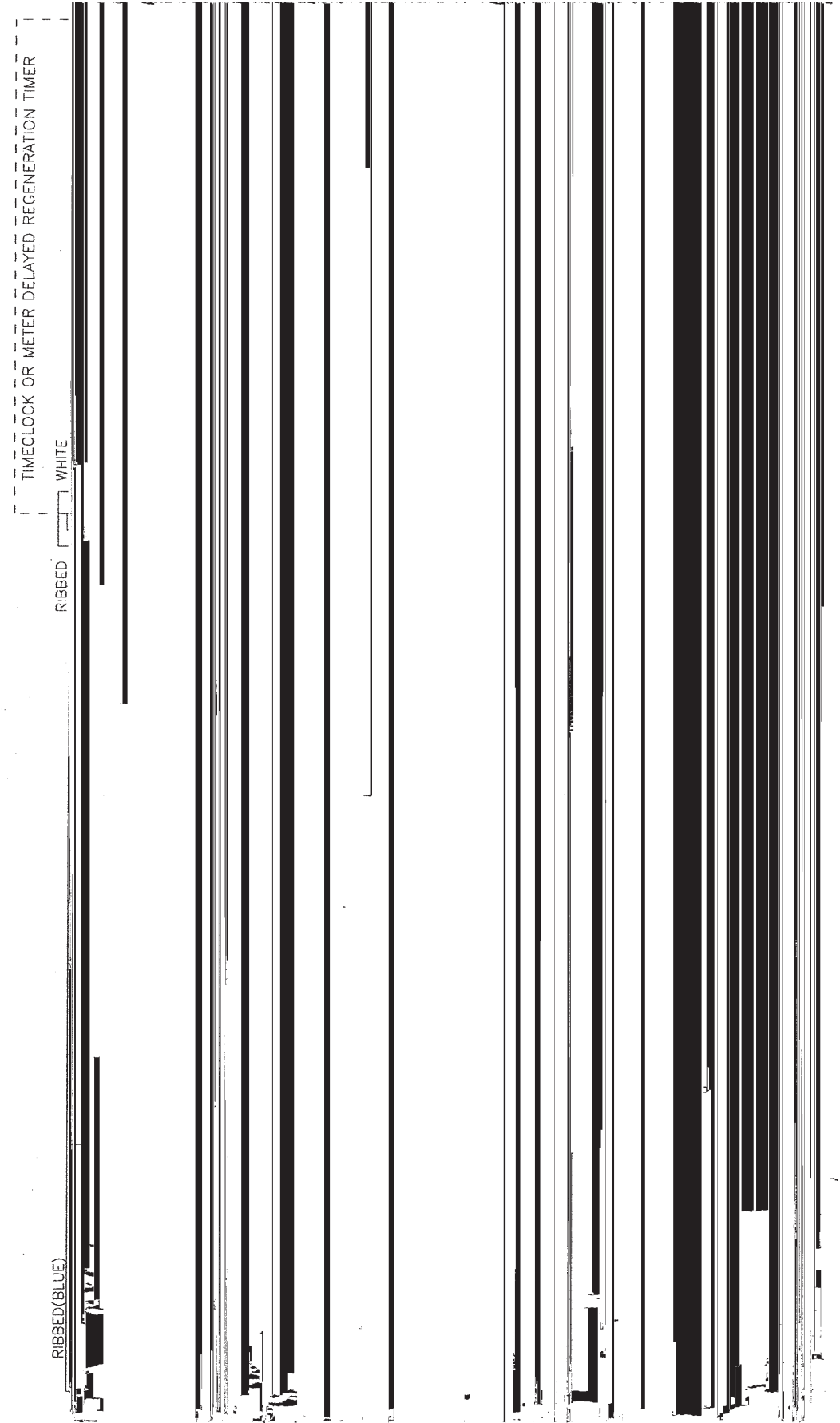
6 Brine Tank Fill Position



FLOW DATA & INJECTOR DRAW RATES

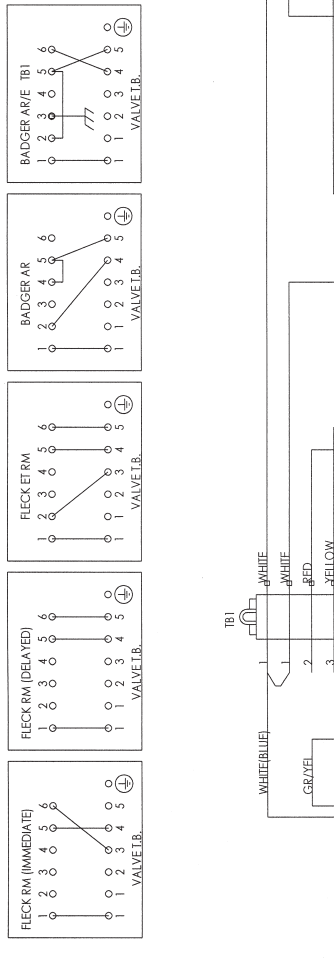


SYSTEM #4 IMMEDIATE & DELAYED
VALVE WIRING



SYSTEM #4 REMOTE SIGNAL START
VALVE WIRING

REMOTE METER WIRING



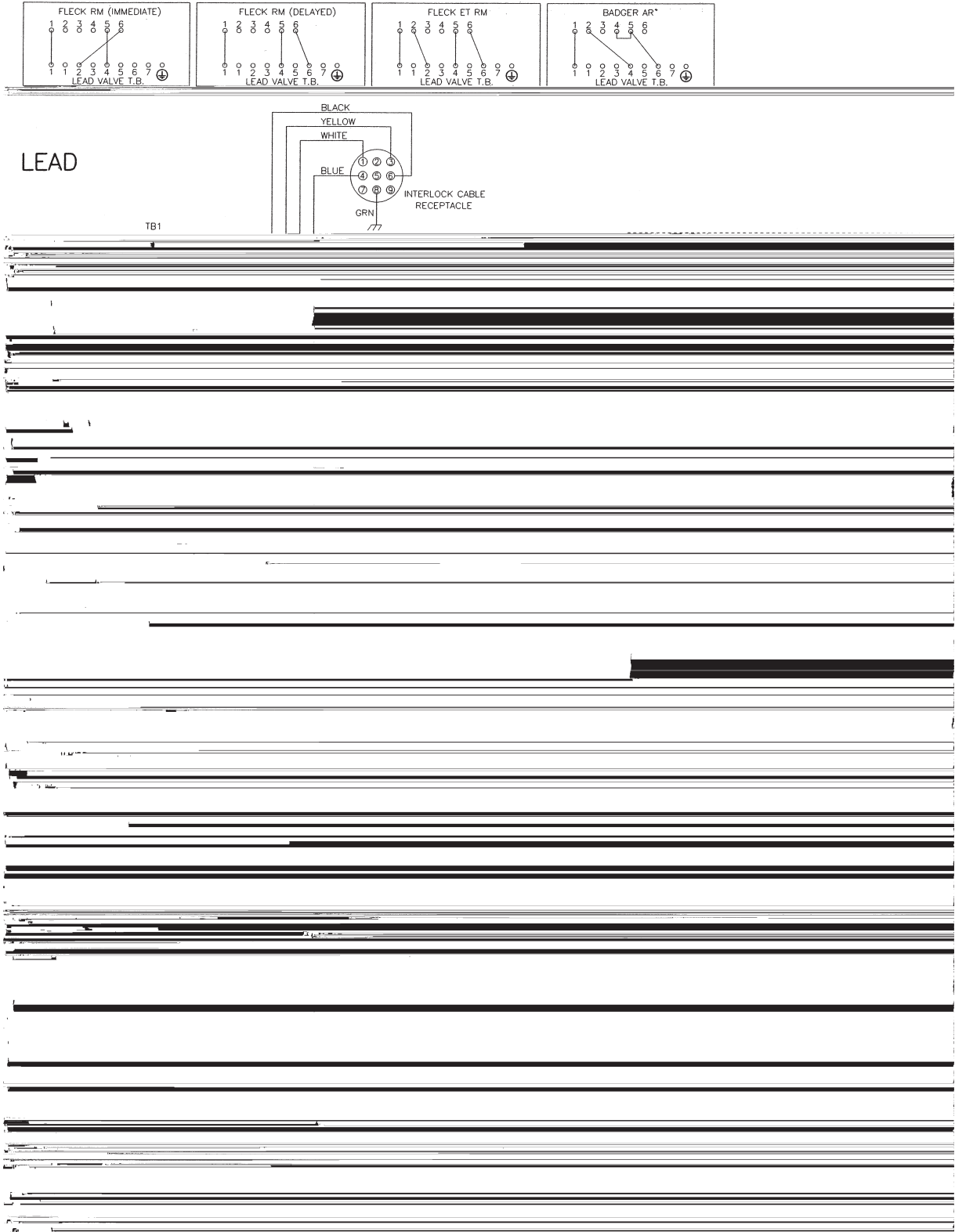
SYSTEM #5 DUPLEX VALVE WIRING

BLACK
YELLOW

7847 1 PRODUCTION RELEASED

SYSTEM #6 DUPLEX VALVE WIRING

REMOTE METER WIRING



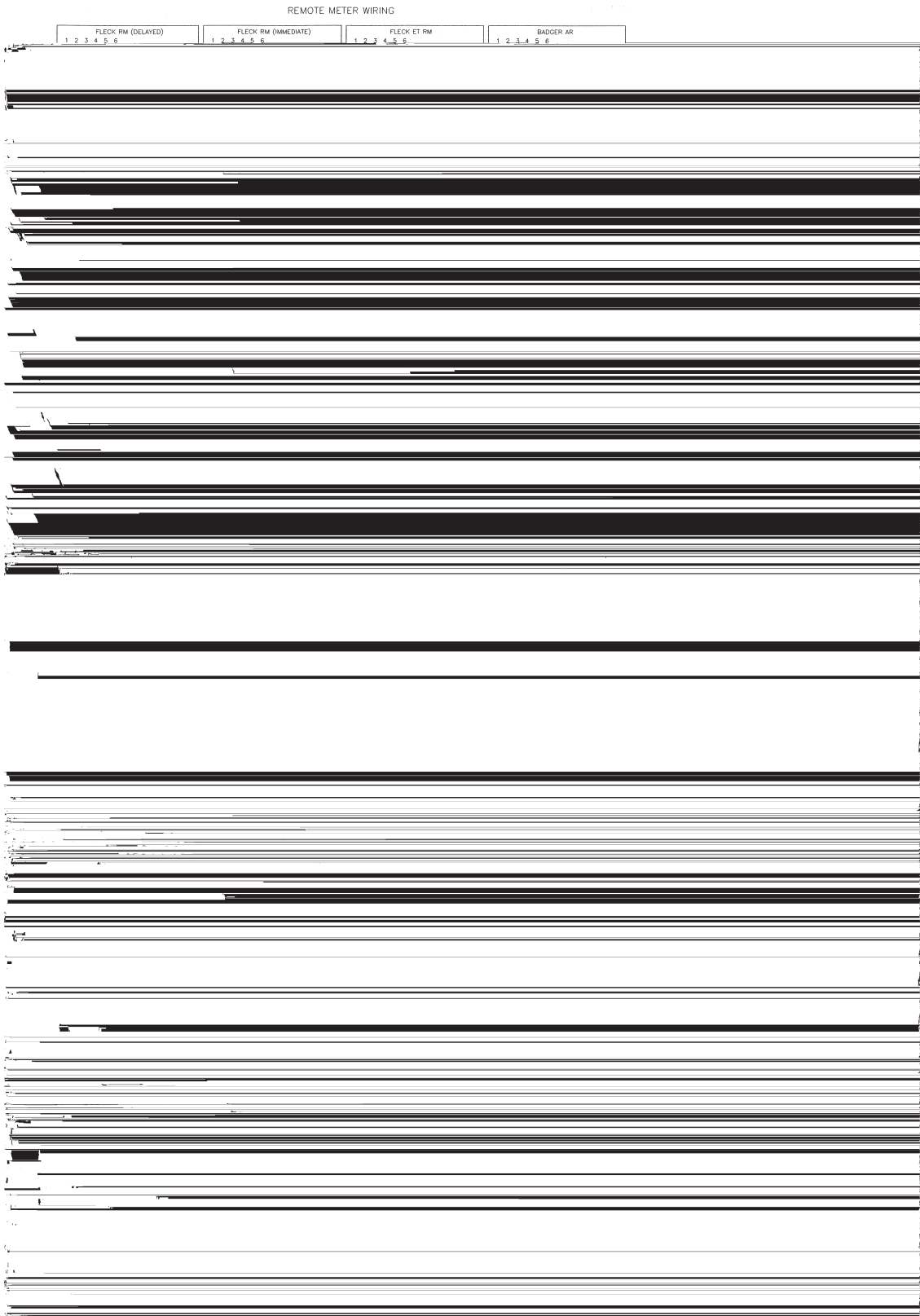
SYSTEM #7 DUPLEX 24V/120V 3-WAY
VALVE WIRING

REMOTE METER WIRING



SYSTEM #7 DUPLEX 230V 3-WAY VALVE

WIRING



SERVICE ASSEMBLIES

24 Hour Gear Assembly:

Piston Assemblies:

Air Checks

Auxillary Switch Kit:

Program Wheel Assemblies:

Brine Line Flow (BLFC):

Safety Brine Valves

Brine Valves:

-xx is for fow button size

Cam Assemblies:

Sales & Service Aids:

Drain Line Flow Controls:

Drive Assemblies:

Seal & Spacer Kits:

Injector Assemblies:

Skipper Wheel Assemblies:

Meters:

Covers:

