



FLECK 2510 & 2510 ECONOMINDER

SERVICE MANUAL

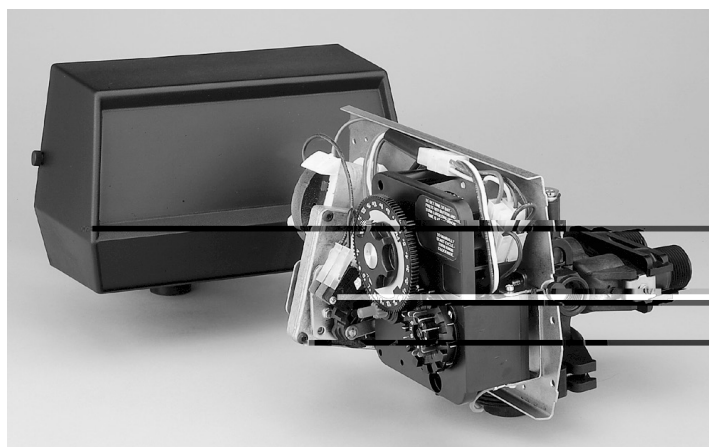


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INSTALLATION

Water Pressure

A. 20 (1.4 -) -

Electrical Facilities

A _____ (A/C) _____

NOTE: Other voltages are available. Please make sure your voltage supply is compatible with your unit before installation.

Existing Plumbing

[illegible]

Location Of Softener And Drain

... ..

Bypass Valves

Al-... - II - - - - -

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

- [illegible]

NOTE: Only use silicone lubricant.

6. $\frac{D}{L} = \frac{F}{C}$ (DLFC).
 $L = \frac{6}{(15)} = \frac{DLFC}{C}$
 $C = \frac{DLFC \cdot E}{DLFC}$
7. $P = \frac{1}{\dots}$
8. $M = \dots$
9. $P = \frac{1}{(25)}$
 $(F_{max} - 1) = D$

- [illegible]

STARTUP INSTRUCTIONS *CONTINUED*

5. Press **ENTER** to return to the display screen.

6. Press **ENTER** to return to the display screen.

7. Press **ENTER** to return to the display screen.

NOTE: Do not use granulated or rock salt.

3200 TIMER SETTING PROCEDURE

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

1. Press **ENTER** to return to the display screen.
2. Press **ENTER** to return to the display screen.
3. Press **ENTER** to return to the display screen.

How To Set The Time Of Day

1. Press **ENTER** to return to the display screen.
2. Press **ENTER** to return to the display screen.
3. Press **ENTER** to return to the display screen.

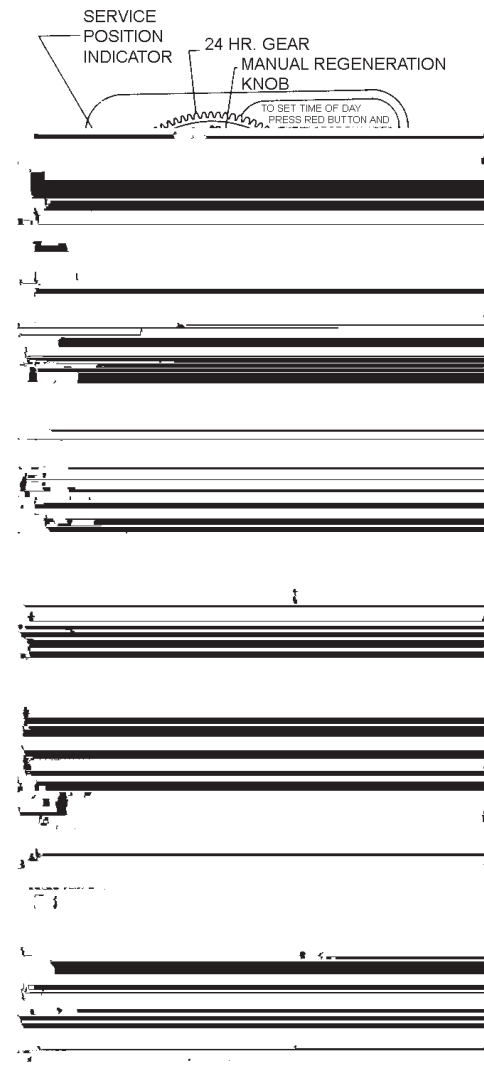
How To Manually Regenerate Your Water Conditioner At Any Time

1. Press **ENTER** to return to the display screen.
2. Press **ENTER** to return to the display screen.
3. Press **ENTER** to return to the display screen.

4. Press **ENTER** to return to the display screen.
5. Press **ENTER** to return to the display screen.

How to Adjust Regeneration Time

1. Display shows 24-.
2. Press **ENTER** to return to the display screen.
3. Press **ENTER** to return to the display screen.
4. Press **ENTER** to return to the display screen.
5. Press **ENTER** to return to the display screen.
6. Press **ENTER** to return to the display screen.
7. Press **ENTER** to return to the display screen.
8. Press **ENTER** to return to the display screen.



61502-3200 A

Figure 2

3210 TIMER SETTING PROCEDURE

Typical Programming Procedure

1. Press **ENTER** to return to the display screen.
 2. Press **ENTER** to return to the display screen.
- (Figure 3).

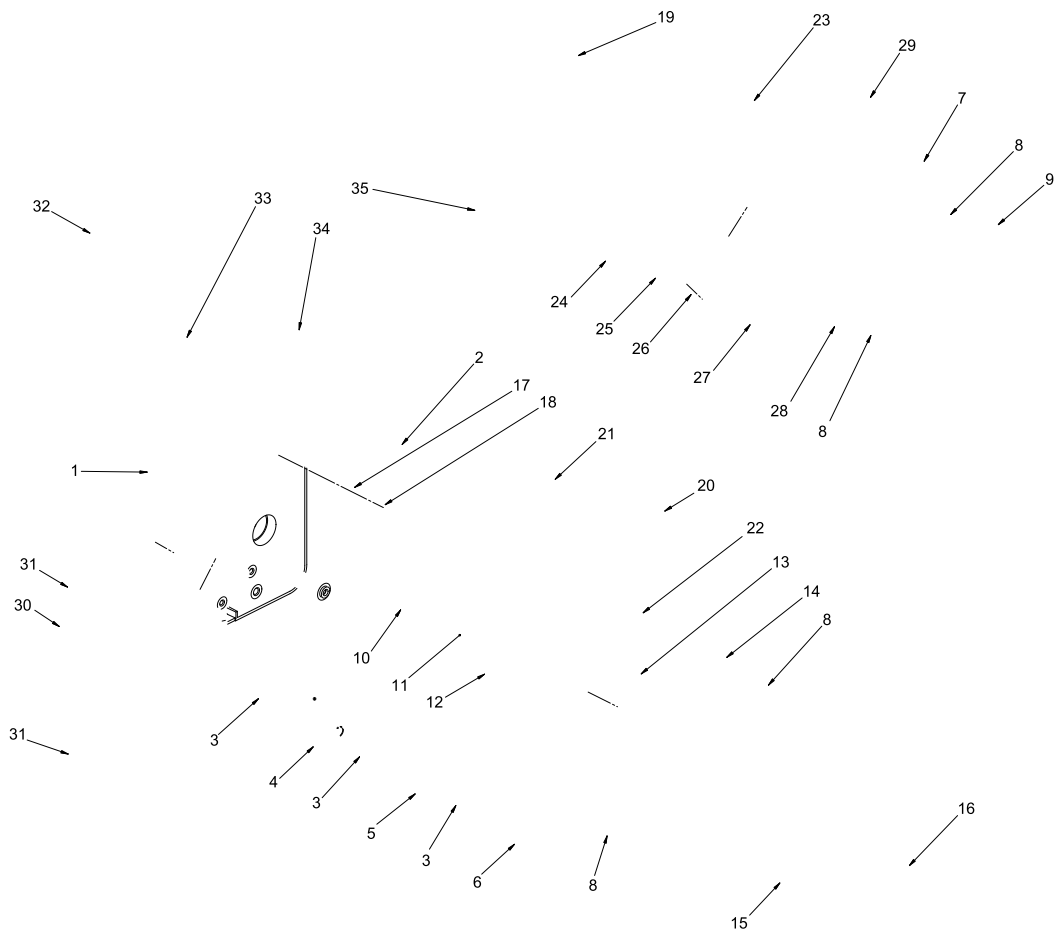
NOTE: Drawing shows 8,750 gallon setting. The capacity (gallons) arrow (15) shows zero gallons remaining. The unit will regenerate tonight at the set regeneration time.

How To Set The Time Of Day

1. Press **ENTER** to return to the display screen.
2. Press **ENTER** to return to the display screen.
3. Press **ENTER** to return to the display screen.

How To Manually Regenerate Your Water Conditioner At Any Time

1. Press **ENTER** to return to the display screen.
2. Press **ENTER** to return to the display screen.

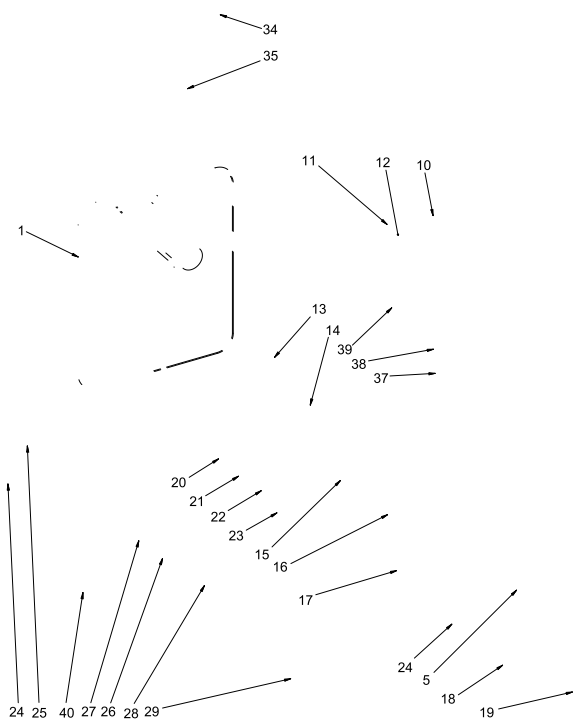


3200 TIME CLOCK TIMER ASSEMBLY

CONTINUED

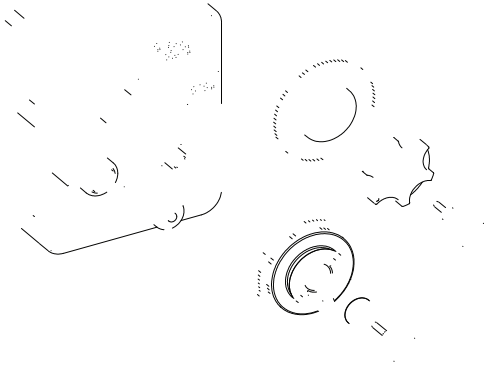
Item No.	QTY	Part No.	Description	Item No.	QTY	Part No.	Description
1	1	13870	H , , , 3200	27	1	14381	, , , LA , 12 D
2	1	14265	CL , ,			14860	, , , LA , 7 D
3	3	14087	IL , L	28	1	13014	P , ,
4	1	10896	, , M	29	1	40096-24	D L, 12 AM , A ,
5	1	15320	, , M ,				BL
6	2	11413	, P H M ,			40096-02	D L, 2 AM , A , BL
			4-40 1-1/8	30	1	13881	B , , H
7	1	13886	K , 3200	31	2	11384	, P L, 6-32 1/4
8	5	13296	, H , 6-20 1/2	32	1	13902	H , , 3200
9	1	11999	L L, B	33	2	40422	N , ,
10	1	13018	P , L L	34	1	15354-01	, G , , 4
11	1	13312	, L L	35	1	14007	L L, D
12	1	13017	G , L L	36	1	*	C L 3200 CL
13	1	13164	G , D				A
14	1	13887	PL , M M	37		60320-02	, K , 3200/9000
15	1	18743-1	M , 120 , 60H , 1/30 PM				A L , O
		18752-1	M , 100 , 50H , 1/30 PM	38		61420-03	P L , L, G A ,
		18824-1	M , 230 , 50H , 1/30 PM				FL 2 M P P
		18826-1	M , 24 , 50H , 1/30 PM			61420-04	P L , L, G A ,
		19659-1	M , 24 , 60H , 1/30 PM				, 2 M P P
		19660-1	M , 230 , 60H , 1/30 PM				
16	2	13278	, L FL H				*C L , P N
			6-32 .156				
17	1	15424	, D ,				
18	1	15066	B L, 1/4- , D L				
19	1	15465	L L, C				
20	1	19210	P L, LA				
21	1	13911	G , M D ,				
22	17	41754	P , , 1/16 5/8 ,				
23	1	13011	A , C L A				
24	1	13864	,				
25	2	13311	, D ,				
26	2	13300	B L, 1/4- ,				

3210 METER DELAYED TIMER ASSEMBLY



Item No.	QTY	Part No.	Description
1	1	13870	H , , , 3200
2	1	13802	G , C , A
3	1	40096-02	D , 2 AM , A , BL
4	1	13886	K , 3200
5	4	13296	, H , 6-20 1/2
6	2	11999	L , B
7	1	13803	G , P , D
8	1	13806	, P ,
9	1	13748	, FL H , 6-20 1/2
10	1	14265	CL ,
11	1	15424	, D ,
12	1	15066	B , 1/4- D
13	1	13018	P , L
14	1	13312	, L
15	1	13017	G , L
16	1	13164	G , D
17	1	13887	PL , M , M
18	1	18743-1	M , 120 , 60H , 1/30 PM
		18752-1	M , 100 , 50H , 1/30 PM
		18824-1	M , 230 , 50H , 1/30 PM
		18826-1	M , 24 , 50H , 1/30 PM
		19659-1	M , 24 , 60H , 1/30 PM
		19660-1	M , 230 , 60H , 1/30 PM
19	1	13278	, FL H , 6-32 .156
20	1	13830	P , P , D
21	1	13831	CL , D P
22	1	14276	, M , CL
23	1	14253	, CL
24	3	11384	, P , 6-32 1/4
25	1	13881	B , H
26	3	14087	I ,
27	1	10896	, M
28	1	15320	, M ,
29	2	11413	, P H M , 4-40 1 1/8
30	1	14198	L , L
31	1	15465	L , C
32	1	14007	L , D
33	1	14045	L , L
34	1	13902	H , 3200
35	2	40422	N ,
36	1	15354-01	, G , 4
37	1	19210	P , A
38	17	41754	P , 1/16 5/8 ,
39	1	13911	G , M D ,
40	1	*	C , 3210 M D , A
41		60405-10	P , 1/3/4- D L 10-2,100
		60405-20	P , 1/3/4- E L 10-10,000
		60405-11	P , 1/3/4- D M L 10-8 3

3220 METER IMMEDIATE TIMER
ASSEMBLY



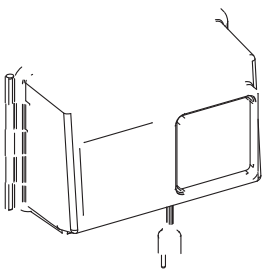
3220 METER IMMEDIATE TIMER

ASSEMBLY *CONTINUED*

Item No.	QTY	Part No.	Description	Item No.	QTY	Part No.	Description
1	1	13870	H	34	1	19210-05	P, 1/16 5/8, 9000/3230
2	1	15431	G, C, A, #5	35	17	41754	P, 1/16 5/8, 9000/3230
3	1	13886	K, 3200	36	1	15055	G, M, D
4	4	13296	, H, 6-20 1/2	37	1	*	C, 3220 M, A
5	2	11999	L, B	38		60405-10	P, 1/3/4-10-2,100
6	1	13807	G, P, D			60405-20	P, 1/3/4-10-10,000
7	1	13806	, P, D			60405-11	P, 1/3/4-10-8, 3
8	1	13748	, F, H, 6-20 1/2			60405-21	P, 1/3/4-10-40, 3
9	1	14265	, C	39		60320-02	K, 3200/9000, A, O
10	1	13018	P, L	40		61420-06	P, 1/2 M, P
11	1	18563	L, 10-8, 3			61420-42	P, 1/2 M, P
12	1	13017	G, L				
13	1	13164	D, G				
14	1	13887	PL, M, M				
15	1	18743-1	M, 120, 60 H, 1/30 PM				
		18752-1	M, 100, 50H, 1/30 PM				
		18824-1	M, 230, 50H, 1/30 PM				
		18826-1	M, 24, 50H, 1/30 PM				
		19659-1	M, 24, 60H, 1/30 PM				
		19660-1	M, 230, 60H, 1/30 PM				
16	2	13278	, L, F, H				
17	1	14502	P, P, D				
18	1	14501	CL, D, P				
19	1	14276	M, CL				
20	1	14253	, CL				
21	3	11384	, P, 6-32 1/4				
22	1	13881	B, H				
23	3	14087	L, 1				
24	1	15414-00	M				
25	1	15320	, M				
26	2	11413	, P, H, M, 4-40 1-1/8				
27	1	14198	L, L				
28	1	15465	L, C				
29	1	14007	L, D				
30	1	15148	L, L				
31	1	40617	H, 3220				
32	2	40422	N, -				
33	1	15354-01	, G, 4				

*C U, P, N,

POWERHEAD ASSEMBLY
(ENVIRONMENTAL)



B 81501-1500 C

POWERHEAD ASSEMBLY

(ENVIRONMENTAL) *CONTINUED*

Item No.	QTY	Part No.	Description
1	1	18697-15	Bolt, 1/2", H 1/2"
2	1	11838	Pin, C, 6-32, N 1/4"
		19303-01	Pin, C, 6-32, N 1/4"
		19885-01	Pin, C, 6-32, N 1/4"
		11545-01	Pin, C, 6-32, N 1/4"
3	1	13547	Pin, C, 6-32, N 1/4"
4	1	40400	Head, D, D 1/2" / E 1/2"
5	2	10231	Head, L H 1/4-20 1/2 35 -L, 20%
6	2	10218	Head, M 1/4-20 1/2 35 -L, 20%
7	1	10909	Pin, C, 6-32, N 1/4"
8	1	60160-15	D 1/4-20 1/2 35 -L, 20%
9	2	10338	Pin, C, 6-32, N 1/4"
10	2	14923	Head, H MACH, 4-40 1 5.0 -L, 10%
11	1	41543	M 1/4-20 1/2 35 -L, 20%
		41545	M 1/4-20 1/2 35 -L, 20%
11A		42579	M 1/4-20 1/2 35 -L, 20%
12	1	12777	C 1/4-20 1/2 35 -L, 20%
13	2	10300	H 1/4-20 1/2 35 -L, 20%
14	1	3200	A 1/4-20 1/2 35 -L, 20%
		3210	M 1/4-20 1/2 35 -L, 20%
		3220	M 1/4-20 1/2 35 -L, 20%
15	1	15806	H 1/4-20 1/2 35 -L, 20%
16	1	16493	P 1/4-20 1/2 35 -L, 20%
17	1	17421	P 1/4-20 1/2 35 -L, 20%
18	2	19691	P 1/4-20 1/2 35 -L, 20%
19	7	19800	P 1/4-20 1/2 35 -L, 20%
20	4	19801	P 1/4-20 1/2 35 -L, 20%
21	1	43560	F 1/4-20 1/2 35 -L, 20%
22	1	10269	N 1/4-20 1/2 35 -L, 20%

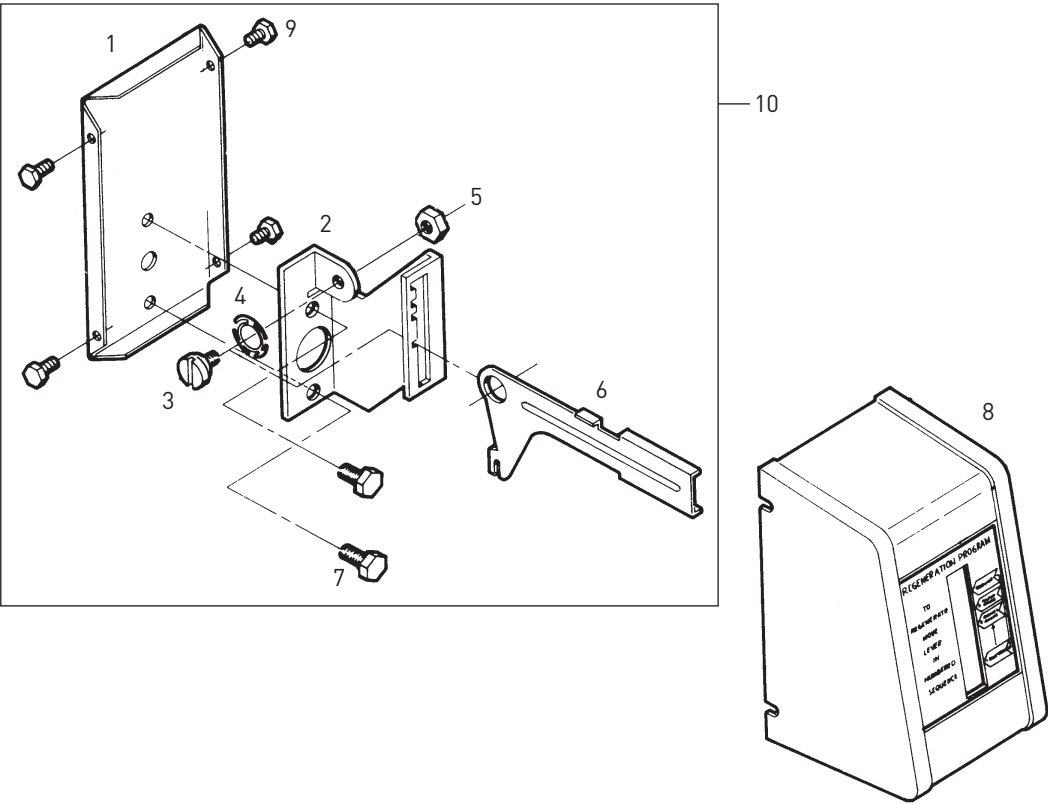
Item No.	QTY	Part No.	Description
23	2	41581	P 1/4-20 1/2 35 -L, 20%
24	1	10872	H 1/4-20 1/2 35 -L, 20%
25	1	14202-01	H 1/4-20 1/2 35 -L, 20%
26	1	60219-02	C 1/4-20 1/2 35 -L, 20%
		60219-12	C 1/4-20 1/2 35 -L, 20%
27	1	*	P 1/4-20 1/2 35 -L, 20%
28	1	60050-23	D 1/4-20 1/2 35 -L, 20%
		60050-21	D 1/4-20 1/2 35 -L, 20%
		60050-22	D 1/4-20 1/2 35 -L, 20%
29		60320-12	K 1/4-20 1/2 35 -L, 20%

Not Shown:

1	15441	C 1/4-20 1/2 35 -L, 20%
1	15495	M 1/4-20 1/2 35 -L, 20%

*C 1/4-20 1/2 35 -L, 20%

MANUAL POWERHEAD ASSEMBLY



Item No.	QTY	Part No.	Description
1	1	12593	B... , M... , L...
2	1	12592	B... , L... P
3	1	12596	... , M... , 1/4 - 20 1/2
4	1	12707	... , ...
5	1	11235	N... , H... , 1/4 - 20, M...
6	1	12594	L... , ... P
7	2	10231	... , L... H... , 1/4 - 20 1/2 18-8...
8	1	60224-32	C... A... , M... , F...
	1	60224-33	C... A... , M... ,
9	4	10300	... , L... H... , 8-18 3/8 ... B... C44-47
10		60409	P... , A... , M... , L...

Not Shown:

1	10909	P... , L...
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60409 A

CONTROL VALVE ASSEMBLY *CONTINUED*

Item No.	QTY	Part No.	Description	Item No.	QTY	Part No.	Description
25	1	12338	F, El, 90 D, 1/2- NP 1/2- B	60705-17	DLFC, Pl	1.7	
26	1	11893	C, I, B	60705-20	DLFC, Pl	2.0	
		10228	C, I, B	60705-24	DLFC, Pl	2.4	
27	1	15137	H, M, 10-24 3/8	60705-30	DLFC, Pl	3.0	
28	1	10757	E	60705-35	DLFC, Pl	3.5	
29	1	12973-0	N, I, #0, P C	60705-40	DLFC, Pl	4.0	
		12973-1	N, I, #1, P C	60705-45	DLFC, Pl	4.5	
		12973-2	N, I, #2, P C	60705-50	DLFC, Pl	5.0	
		12973-3	N, I, #3, P C	60705-60	DLFC, Pl	6.0	
		12973-4	N, I, #4, P C	60705-70	DLFC, Pl	7.0	
		10913-000	N, I, #000 B	60706-8.0	DLFC, 3/4- F, 8.0		
		10913-00	N, I, #00	60706-9.0	DLFC, 3/4- F, 9.0		
		10913-0	N, I, #0	60706-10	DLFC, 3/4- F, 10		
		10913-1	N, I, #1	60706-12	DLFC, 3/4- F, 12		
		10913-2	N, I, #2 BL	60706-15	DLFC, 3/4- F, 15		
		10913-3	N, I, #3	60706-20	DLFC, 3/4- F, 20		
		10913-4	N, I, #4 G	33	1	60090	P A, 1500, 2510, 2750
30	1	12974-0	I, #0, P C	34	1	60121	U K, 1500, 2510, 2750
		12974-1	I, #1, P C		1	60121-10	L K, 2510, 2750
		12974-2	I, #2, P C	35	1	60101-01	P A, NH BP
		12974-3	I, #3, P C	36	2	19228-01	A A, C, /O-
		12974-4	I, #4, P C	37	4	13305	O-, -119
		10914-000	I, #000 B	38	1	14805	G, I B, 1600/1700
		10914-00	I, #00	Not Shown			
		10914-0	I, #0		1	11098	I A, 2510/2750
		10914-1	I, #1		1	13061	P, I A, P, 2510/2750
		10914-2	I, #2 BL		1	12874	H, U
		10914-3	I, #3	NOTE: For optimal seal life, the use of lubricants is not recommended.			
		10914-4	I, #4 G				
31	1	60480-000	I A, 1600 #00, Pl				
		60480-00	I A, 1600 #0, Pl				
		60480-01	I A, 1600 #1, Pl				
		60480-02	I A, 1600 #2, Pl				
		60480-03	I A, 1600 #3, Pl				
		60480-04	I A, 1600 #4, Pl				
32	1	60705-00	DLFC, Pl BI				
		60705-06	DLFC, Pl 0.60				
		60705-08	DLFC, Pl 0.80				
		60705-10	DLFC, Pl 1.0				
		60705-12	DLFC, Pl 1.2				
		60705-13	DLFC, Pl 1.3				
		60705-15	DLFC, Pl 1.5				

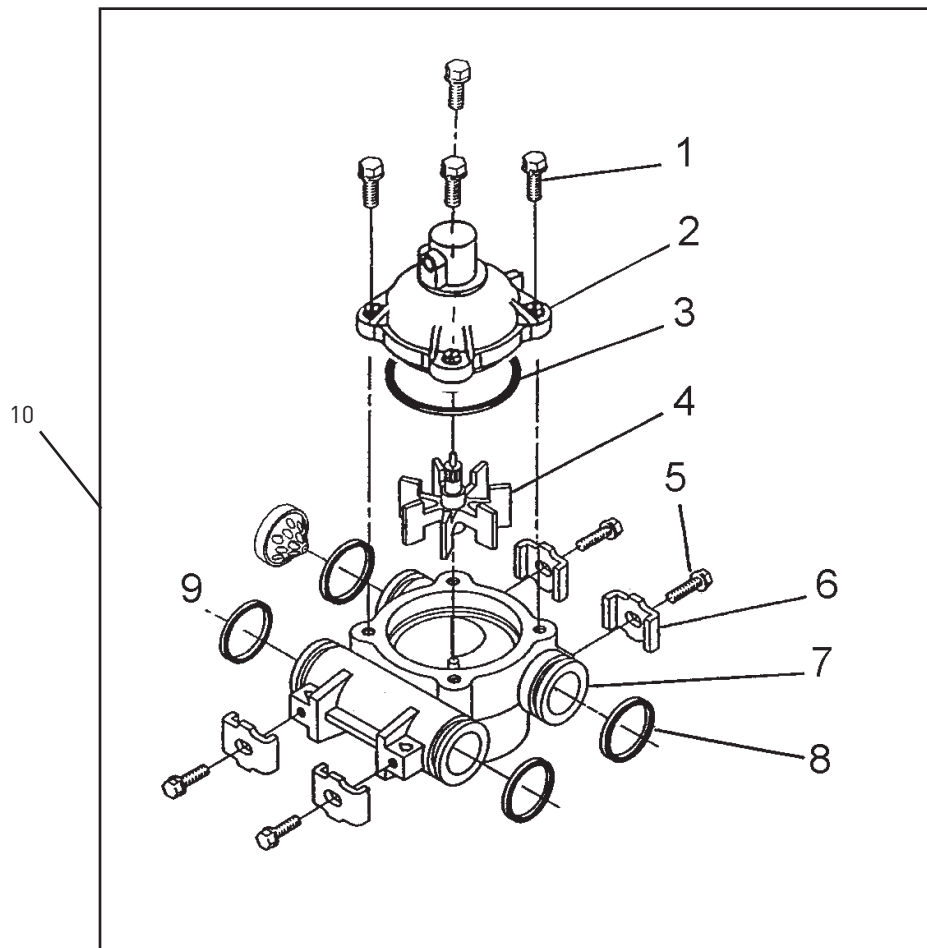
SOFTENER FILTER CONVERSION KITS

Item No.	QTY	Part No.	Description
1		60101-02	P C , N U, N , 2510 NH BP 1600
2		60101-00	P K , N U, N , 2510 NH BP P U

NOTE: For optimal seal life, the use of lubricants is not recommended.

61671 E

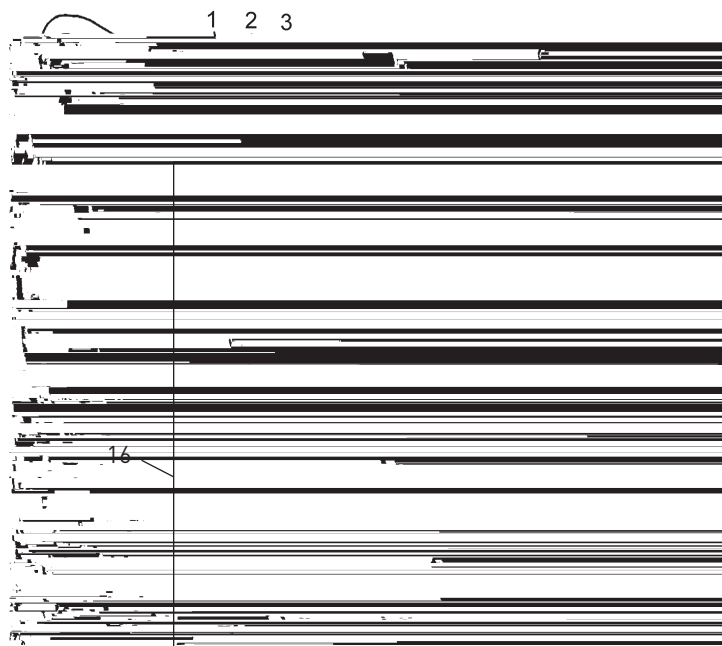
METER ASSEMBLY



60088 E

Item No.	QTY	Part No.	Description
1	4	12473	- M C A L, 10-24 5/8-
2	1	15659	M C A - E A L (N)
		15452	M C A , 3/4- 2- , A /90, PL P L
3	1	13847	O- - M C A L, -137
4	1	13509	L L
5	4	13314	- A C L 8-18 0.6-
6	4	13255	A C L
7	1	13821	M B
8	4	13305	O- - M B , -119
9	1	14613	FL
10	1	60088-180	M A , 3/4- D L P L , A L /180 PL P L / L
		60089-180	M A , 3/4- D L P L , E L , A L /180 PL P L / L

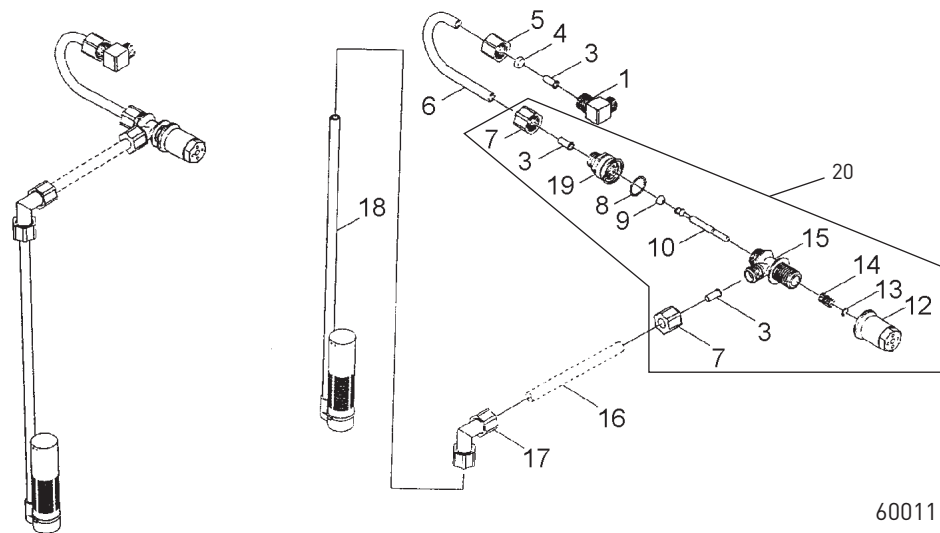
1600 BRINE SYSTEM ASSEMBLY



60029  C

Item No.	QTY	Part No.	Description	Item No.	QTY	Part No.	Description
1	2	10332	Fitting, 1/2", 3/8"	12	1	12552-02	Ball Valve, 1/2", 1600, 1/2"
2	1	12767	Bracket, B	13	1	12626	Bracket, B
3	1	10328	Fitting, Elbow, 90 Degree, 1/4", NP, 3/8"	14	1	11982	O-Ring, -016
4	3	10329	Fitting, Tee, 3/8" NPT, B	15	1	60020-25	BLFC, .25 GPM, 1600
5	3	10330	Fitting, Tee, 3/8" C, B			60020-50	BLFC, .50 GPM, 1600
6	1	16508-01	Bracket, B, 2850/2900			60020-100	BLFC, 1.0 GPM, 1600
		12774	Bracket, B, 1500	16	1	60029-010	Ball Valve, 1/2", 1600, 1/2"
		40027	Bracket, B, 2510, H BP			60029-020	Ball Valve, 1/2", 1600, 1/2"
		14428	Bracket, B, 1600/1650, NH BP			60029-030	Ball Valve, 1/2", 1600, 1/2"
		15221-01	Bracket, B, 2750/2900				
		42184	Bracket, B, 2850				
		41683	Bracket, B, F, 2900, 1600/1650				
7	1	10250	Bracket, B				
8	1	11749	Gasket, B				
9	1	10249	Bracket, B				
10	1	12550	Ball Valve, 1/2", -009				
11	1	12748	Ball Valve, 1/2", B, A, 1600, 1/2"				

1650 BRINE SYSTEM



60011 D

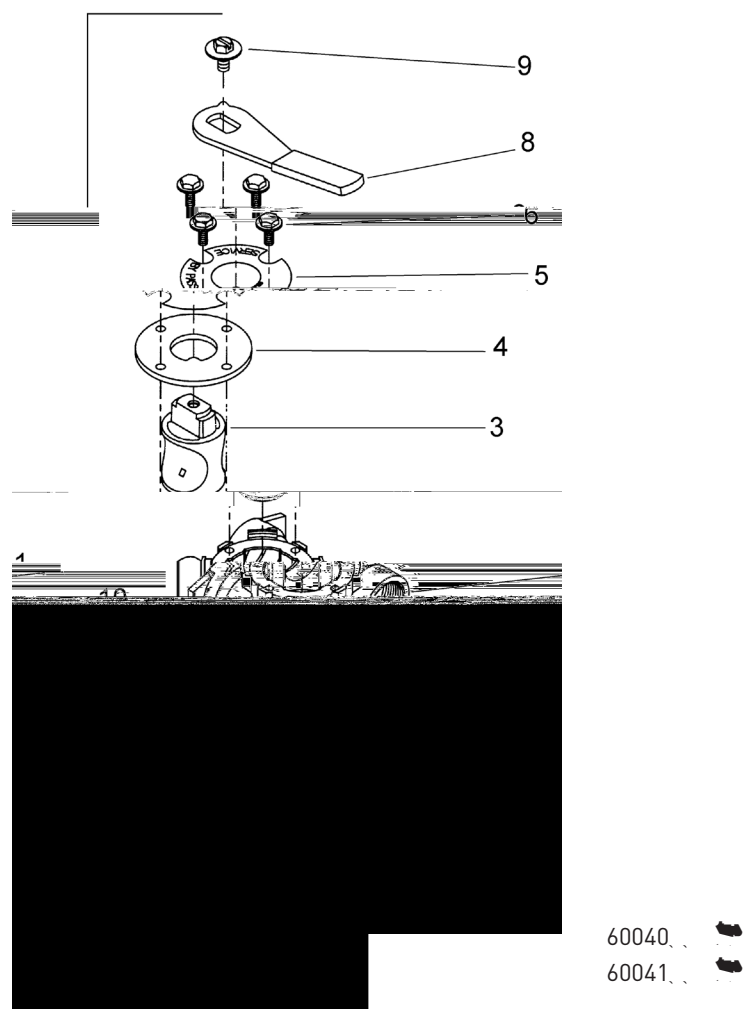
Item No.	QTY	Part No.	Description
1	1	10328	Elbow, 90 1/4 NP 3/8
3	3	10332	Union, 3/8
4	1	10330	Union, 3/8 N B
5	1	10329	Union, 3/8 N B
6	1	16508-01	Union, B, 2850/2900
		12774	Union, B, 1500
		40027	Union, B, 2510, H BP
		14428	Union, B, 1600/1650, NH BP
		15221-01	Union, B, 2750/2900
		42184	Union, B, 2850
		41683	Union, B, F, 2900, 1600/1650
7	2	19625	Arm, GFN N
8	1	16924	O-ring, -018
9	1	12626	Union, B
10	1	12552	Union, B, 1600
12	1	17906	Gasket, B
13	1	10250	Gasket, B
14	1	10249	Gasket, B
15	1	17884	Union, B, A, PL
17	1	12794	Elbow, 3/8, P L
18	1	60002	#500 A C

Item No.	QTY	Part No.	Description
19		60010-25	BLFC Assy. (Parts)
	1	17907	Union, H
	1	12128	25 GPM L
	1	12094	25 FL
	1	12098	Gasket
		60010-50	BLFC Assy. (Parts)
	1	17907	Union, H
	1	10759	50 GPM L
	1	12095	50 FL
	1	12098	Gasket
		60010-100	BLFC Assy. (Parts)
	1	17907	Union, H
	1	10760	1.0 GPM L
	1	12097	1.0 FL
	1	12098	Gasket
20		60011-010	Union, B, 1650, 0.25
		60011-020	Union, B, 1650, 0.50
		60011-030	Union, B, 1650, 1.00



Item No.	QTY	Part No.	Description
1	2	13305	O-ring, -119
2	2	13255	Clamp, M
3	2	13314	Bolt, 8-18 x .60
4A	1	18706	Spring, 1-1/4", NP, PL
		18706-02	Spring, 3/4-1", NP, PL
4B	1	13708-40	Spring, 1-1/4", NP, PL
		13708-45	Spring, 3/4-1", NP, PL
		19275	Spring, A, 90 D, 3/4-1", NP
		19275-45	Spring, A, 90 D, 3/4-1", NP
		19620-01	Spring, A, 3/4-1", NP, 90 D, /O-1", Cl & ...
		40636	Spring, 1-1/4", NP
		40636-49	Spring, 1-1/4", NP
		41027-01	Spring, 3/4-1", NP, C, M
		41026-01	Spring, 1-1/4", NP, C

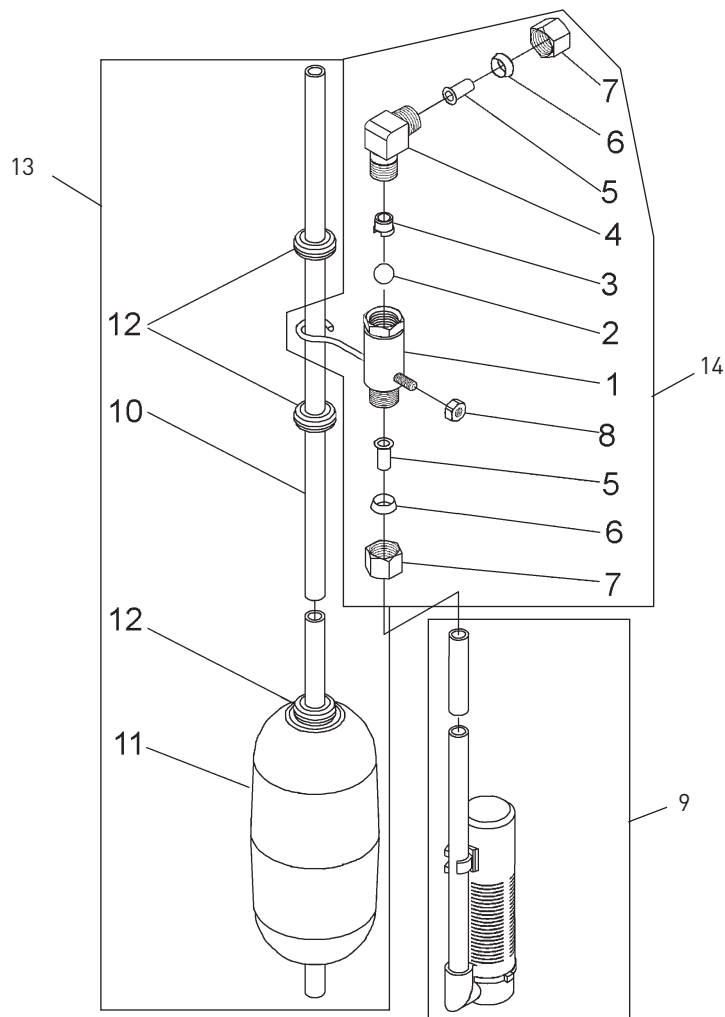
BYPASS VALVE ASSEMBLY (METAL)



Item No.	QTY	Part No.	Description
1	1	40614	B — B — , 3/4- —
		40634	B — B — , 1- —
2	1	14105	— l, B — , 560CD
3	1	11972	Pl — , B —
4	1	11978	— C —
5	1	13604-01	L — l
6	8	15727	— , 10-24 0.5- —
7	1	11986	— C —
8	1	11979	L — , B —
9	1	11989	— , H — H — , 1/4-14 1.5- —
10	1	60040	B — — l — , 5600, 3/4- — NP BU G — L — , —
		60041	B — — l — , 5600, 1- — NP BU G — L — , —
*	2	19228-01	A — A — , C — l — , /0- —

*N —

2300 SAFETY BRINE VALVE



60027 D

Item No.	QTY	Part No.	Description	Item No.	QTY	Part No.	Description
1	1	60027-00	Valve Body, 2300, L El				L El
2	1	10138	Ball, 3/8-16, B			60002-36	Ball, #500, 36
3	1	11566	Ball, 1/2-13, F El			60002-48	Ball, #500, 48
4	1	10328	Flange, El, 90 D, 1/4 NP 3/8			60002-26.25	Ball, #500, 26.25
5	1	10332	Flange, El, 3/8			60002-33.25	Ball, #500, 33.25
6	1	10330	Flange, El, 3/8 C El				L El
7	1	10329	Flange, El, 3/8 N, B	10	1	10149	Flange, 30-
8	1	10186	Nut, H, 10-32	11	1	10700	Flange, A
9	1	60002-10	Coil, #500, A, H	12	3	10150	Gasket, 30 D
		60002-11.38	Coil, #500, 11.38	13	1	60028-30	Flange, A, 2300, 30-
		60002-24	Coil, #500, 24	14	1	60027-FFA	Valve Body, 2300, F El, A
		60002-27	Coil, #500, 27			60027-FF	Valve Body, 2300, F El
		60002-32	Coil, #500, 32				
		60002-34	Coil, #500, 34				

2310 SAFETY BRINE VALVE



2310 SAFETY BRINE VALVE *CONTINUED*

Item No.	QTY	Part No.	Description	Item No.	QTY	Part No.	Description
1	1	19645	B , , B , L , 2310	60002-34	1	A. C , , #500, 34 L ,	
2	1	19803	B , L A	60002-36	1	A. C , , #500, 36 L ,	
3	1	19804	H , , 10-24 .75	60002-48	1	A. C , , #500, 48 L ,	
4	1	19805	N , H , 10-24, N L BL	60002-26.25	1	A. C , , #500, 26.25 L ,	
5	1	19652-01	P A , B /O-	60002-33.25	1	A. C , , #500, 33.25 L ,	
6	1	19649	FL D				
7	1	11183	O- , -017				
8	1	19647	EL , B L				
9	2	19625	N A , 3/8- PL				
10	1	18312	D				
11	1	60014	B L A , 2310				
12	2	10150	G , 30 D				
13	1	60068-8.06	FL A , 2310, /8.06-				
		60068-10.5	FL A , 2310, /10.5-				
		60068-11.5	FL A , 2310, /11.5-				
		60068-20	FL A , 2310, /20-				
		60068-30	FL A , 2310, /30-				
14	1	60002-10	A. C , , #500, A H				
		60002-11.38	A. C , , #500, 11.38 L				
		60002-24	A. C , , #500, 24 L				
		60002-27	A. C , , #500, 27 L				
		60002-32	A. C , , #500, 32 L				

SEAL & SPACER TOOLS & REPLACEMENT

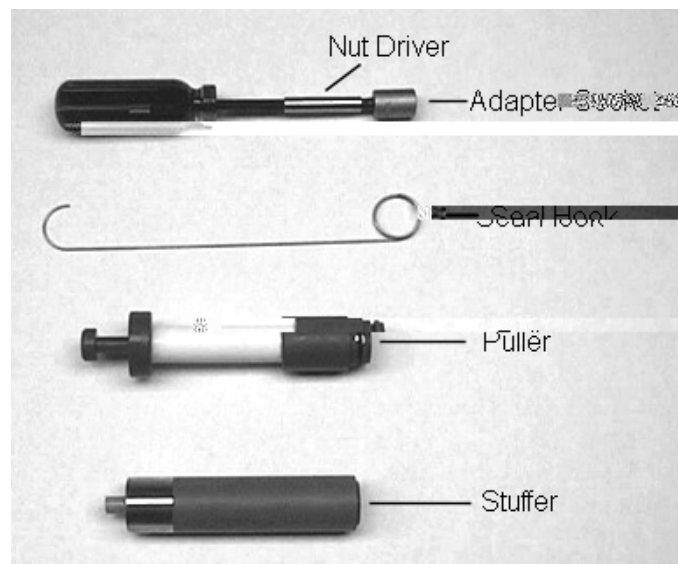


FIGURE 5

NOTE: Photos shown are for reference only for replacing the seal and spacer. Actual valve may be different.

1. Remove the cap screw (N) from the back plate (N) and remove the back plate (N) from the valve.
2. Remove the cap screw (N) from the back plate (N) and remove the back plate (N) from the valve.
3. Disconnect the brine line from the brine valve (N) and remove the brine valve (N) from the valve.
4. Remove the cap screw (N) from the back plate (N) and remove the back plate (N) from the valve.
5. Gently pull the back plate (N) away from the valve (N) and remove the back plate (N) from the valve (N). (See Figure 6.)

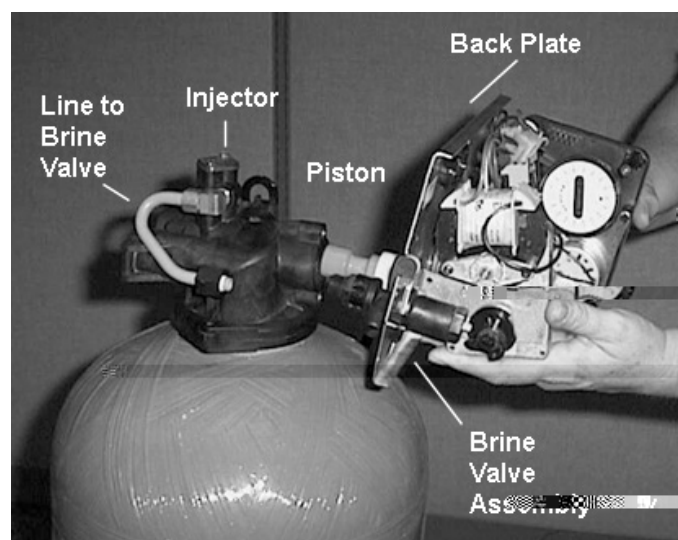


FIGURE 6

6. Remove the cap screw (N) from the back plate (N) and remove the back plate (N) from the valve (N). (See Figure 7.)

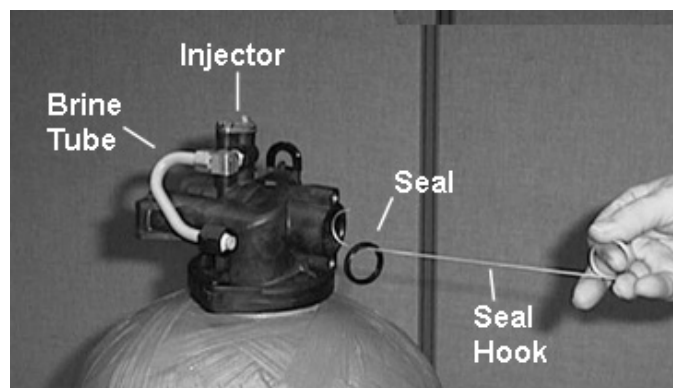


FIGURE 7

7. Remove the cap screw (N) from the back plate (N) and remove the back plate (N) from the valve (N). (See Figure 8.)
8. Insert the puller (N) into the back plate (N) and pull the back plate (N) away from the valve (N). (See Figure 8.)

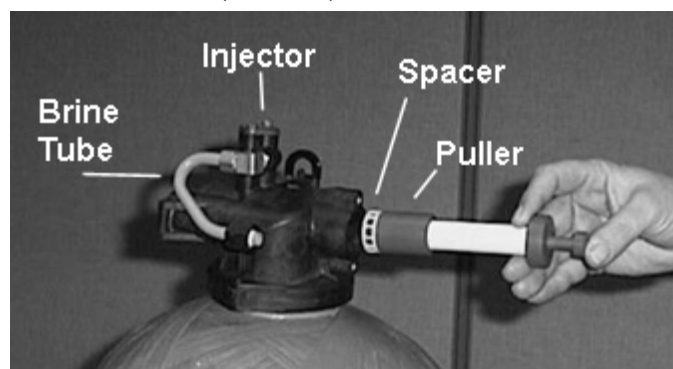


FIGURE 8

9. All components are now removed from the valve (N). (See Figure 8.)
10. Insert the puller (N) into the back plate (N) and pull the back plate (N) away from the valve (N). (See Figure 8.)

SEAL & SPACER TOOLS & REPLACEMENT

CONTINUED

11. **Problem:** The brine tube is not properly seated in the injector. **Reason:** The brine tube is not properly seated in the injector. **Correction:** The brine tube is not properly seated in the injector. (See Figure 5).

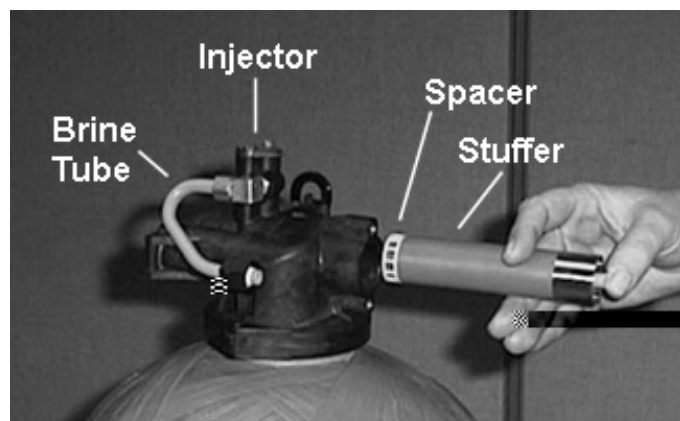


FIGURE 9

12. **Problem:** The brine tube is not properly seated in the injector. **Reason:** The brine tube is not properly seated in the injector. **Correction:** The brine tube is not properly seated in the injector. (See Figure 8). **PL**
13. **Problem:** The brine tube is not properly seated in the injector. **Reason:** The brine tube is not properly seated in the injector. **Correction:** The brine tube is not properly seated in the injector.
14. **Problem:** The brine tube is not properly seated in the injector. **Reason:** The brine tube is not properly seated in the injector. **Correction:** The brine tube is not properly seated in the injector. **PL**

GENERAL SERVICE HINTS FOR METER CONTROL

Problem: Softener delivers hard water

Reason: The brine tube is not properly seated in the injector.

Correction: The brine tube is not properly seated in the injector.

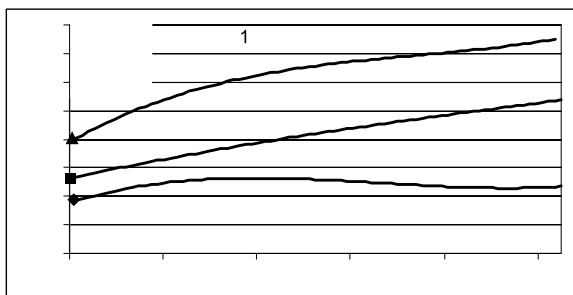
Reason: The brine tube is not properly seated in the injector.

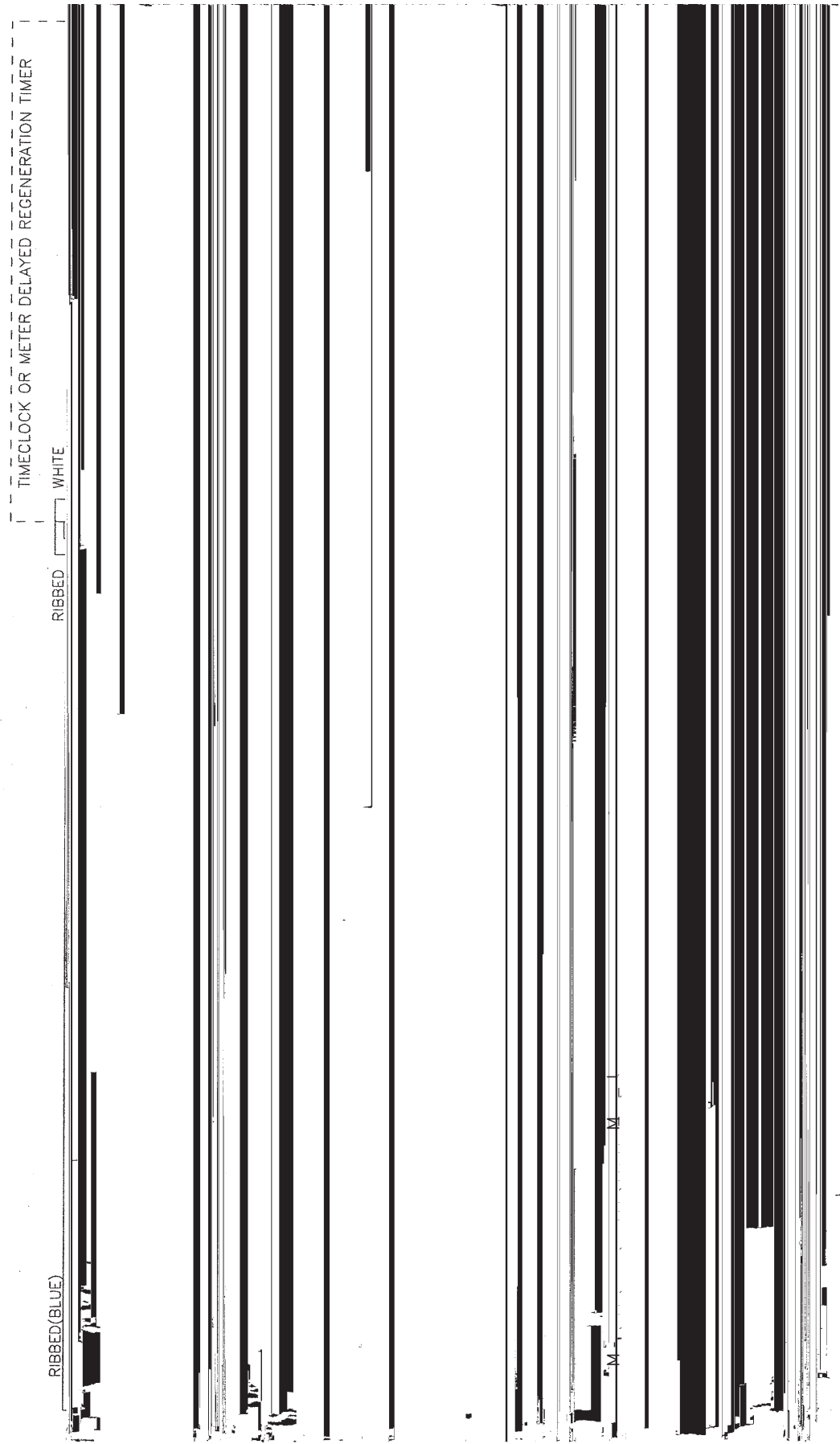
Correction: The brine tube is not properly seated in the injector. **PL**

Reason: The brine tube is not properly seated in the injector.

Correction: The brine tube is not properly seated in the injector.

FLOW DATA & INJECTOR DRAW RATES





19201 C

SERVICE ASSEMBLIES

24 Hour Gear Assemblies

40096-02	Dial 2AM Regen Assy, Black
40096-24	Dial 12AM Regen Assy, Black
60519-02	Gear Assy, 3200 24 Hour 2 Times/Day
60519-03	Gear Assy, 3200, 24 Hour 3 Times/Day
60519-04	Gear Assy, 3200, 24 Hour 4 Times/Day
60519-06	Gear Assy, 3200, 24 Hour (12:00) 6 Times/Day

Brine Line Flow Control (BLFC)

60010-25	BLFC, 1650, .25 GPM, Plastic
60010-50	BLFC, 1650, .50 GPM, Plastic
60010-100	BLFC, 1650, 1.0 GPM, Plastic

Brine Valves

60011-010	Brine Valve, 1650, Short Stem, .25 GPM, Less Tube
60011-030	Brine Valve, 1650, Short Stem, 1.0 GPM, Less Tube

Bypasses

60049	Bypass Plastic Assy
60040SS	Bypass Valve, 5600, 3/4-inch NPT
60041SS	Bypass Valve, 5600, 1-inch NPT

Cam

60160-15	Drive Cam Assy, STF, Blue
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Clamp

60503	Clamp Ring Assembly, 2510
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Coupling

60510	Adapter Coupling Assy, 5600
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Drain Line Flow Controls

60705-00	DLFC, Plastic, Blank
60705-06	DLFC, Plastic, .60 GPM
60705-08	DLFC, Plastic, .80 GPM
60705-10	DLFC, Plastic, 1.0 GPM
60705-12	DLFC, Plastic, 1.2 GPM
60705-13	DLFC, Plastic, 1.3 GPM
60705-15	DLFC, Plastic, 1.5 GPM
60705-17	DLFC, Plastic, 1.7 GPM
60705-20	DLFC, Plastic, 2.0 GPM
60705-24	DLFC, Plastic, 2.4 GPM
60705-30	DLFC, Plastic, 3.0 GPM
60705-35	DLFC, Plastic, 3.5 GPM
60705-40	DLFC, Plastic, 4.0 GPM
60705-45	DLFC, Plastic, 4.5 GPM
60705-50	DLFC, Plastic, 5.0 GPM
60705-60	DLFC, Plastic, 6.0 GPM
60705-70	DLFC, Plastic, 7.0 GPM
60705-8.0	DLFC, QC x 3/4-inch F, 8.0 GPM
60705-9.0	DLFC, QC x 3/4-inch F, 9.0 GPM
60705-12	DLFC, QC x 3/4-inch F, 12.0 GPM
60705-15	DLFC, QC x 3/4-inch F, 15.0 GPM

Drives

60050-21	Drive Assy, 2750, STF, 120V Softener
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Injectors

60480-xx	1600 Injector Assy (Specify size of Injector)
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Meters

60088-180	Meter Assy, 3/4-inch Dual Port, Slip Std, Rt Ang/180 Plastic Paddle w/clps
60089-180	Meter Assy, 3/4-inch Dual Port, Slip Ext, Rt Ang/180 Plastic Paddle w/clps

Pistons

60090	Piston Assy, 1500, 2510, 2750
60101-01	Piston Assy, NHWPB
60101-02	Piston Conversion, 2510 NHWPB 1600
60101-00	Piston Kit, 2510 NHWPB Filter

Program Wheels

60405-10	Program Wheel, w/3/4-inch Std Label Set @ 21
60405-15	Program Wheel, w/3/4-inch Std Label w/People Label Set @ 21

Safety Brine (2300)

60028-30	Float Assy, 2350, 30-inch, White
60027-FFA	Safety Brine Valve Body, 2300 Fitting Facing Arm
60027-FFS	Safety Brine Valve Body, Fitting Facing Stud

Sales and Service Aids

40097	Literature, 2510, S/Manual
16510	Literature, 2510, Spec Sheet

Seal & Spacer Kits

60121	Seal Kit, 1500, 2510, 2750
60121-10	Seal & Spacer Kit, 2750, Silicone

Skipper Wheels

14860	Skipper Wheel Assy, 7 Day
14381	Skipper Wheel Assy, 12 Day

Yokess

13708-40	Yoke, 1-inch, Sweat
13708-45	Yoke, 3/4-inch, Sweat
18706	Yoke, 1-inch, NPT, Plastic
18706-20	Yoke, 3/4-inch, NPT, Plastic
19275	Yoke, Angle 90 Deg. 3/4-inch, NPT
19275-45	Yoke, Angle 90 Deg. 3/4-inch, Sweat
19620-01	Yoke Assy, 3/4-inch, R/Angle, 90 Deg w/O-rings, Clips and Screws
40636	Yoke, 1-1/4 inch, NPT
40636-49	Yoke, 1-1/4 inch, Sweat
41026-01	Yoke, 1-inch, NPT, SS
41027-01	Yoke, 3/4-inch, NPT, Cast, Machd

