



FLECK 2510 & 2510 ECONOMINDER

SERVICE MANUAL

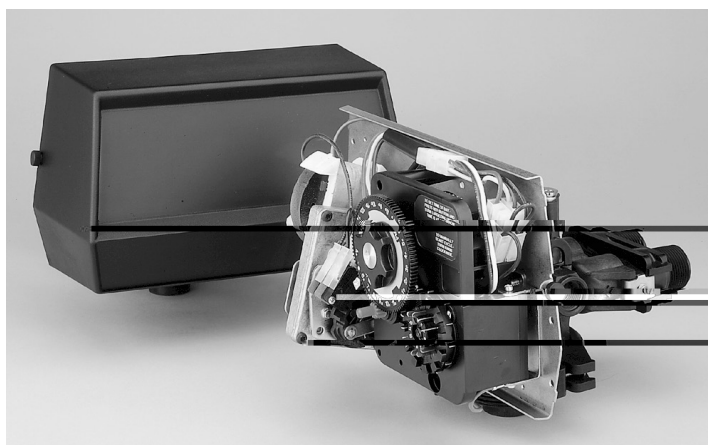


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STARTUP INSTRUCTIONS *CONTINUED*

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).

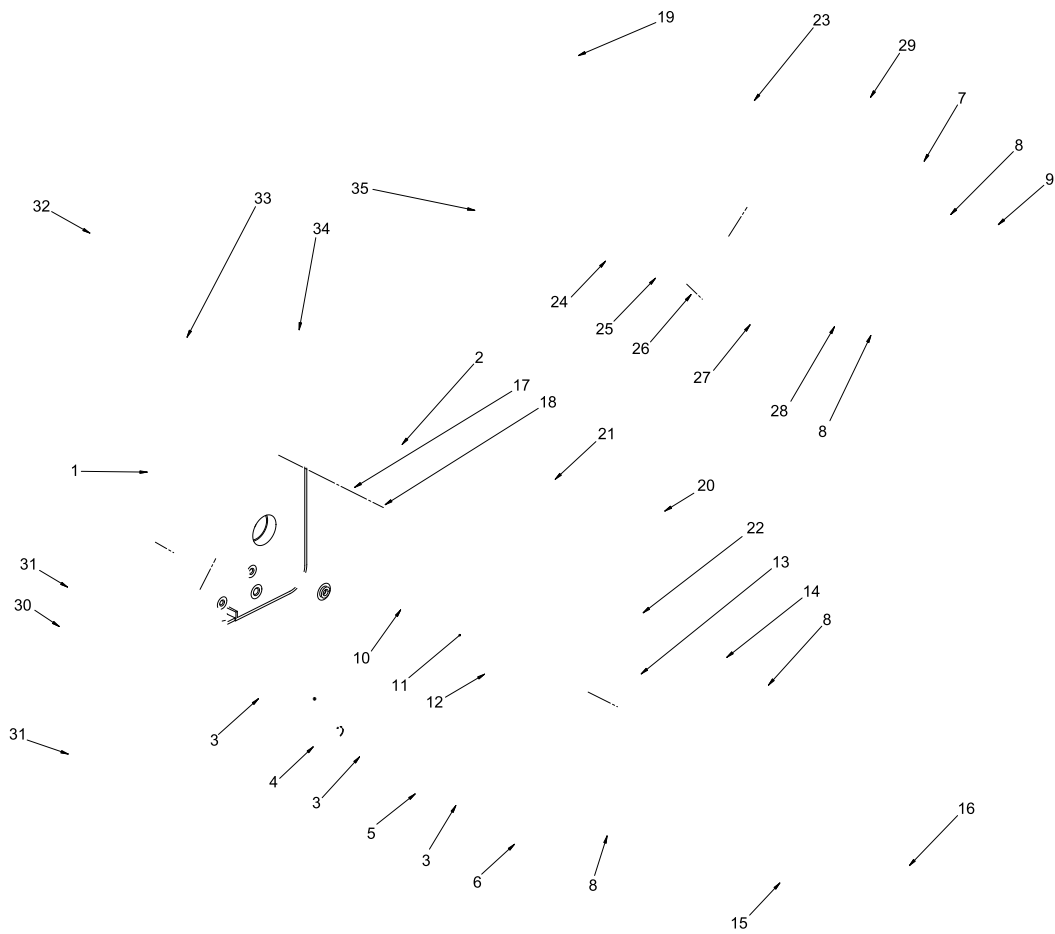
NOTE: Drawing shows 8,750 gallon setting. The capacity (gallons) arrow (15) shows zero gallons remaining. The unit will regenerate tonight at the set regeneration time.

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.

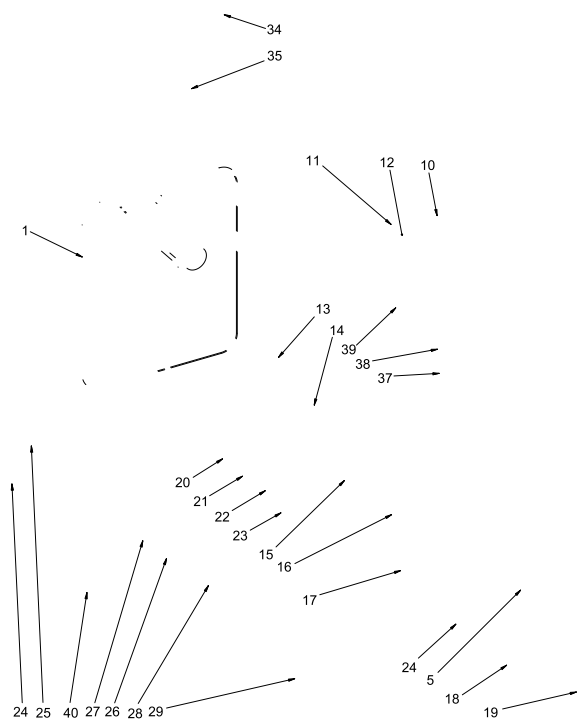


3200 TIME CLOCK TIMER ASSEMBLY

CONTINUED

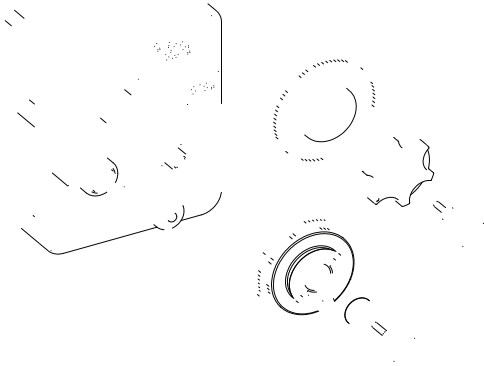
Item No.	QTY	Part No.	Description	Item No.	QTY	Part No.	Description
1	1	13870	H , , , 3200	27	1	14381	LA , 12 D
2	1	14265	CL ,			14860	LA , 7 D
3	3	14087	I ,	28	1	13014	P ,
4	1	10896	, M	29	1	40096-24	D , 12 AM A ,
5	1	15320	, M ,				BL
6	2	11413	, P H M ,			40096-02	D , 2 AM A , BL
			4-40 1-1/8	30	1	13881	B , H
7	1	13886	K , 3200	31	2	11384	, P , 6-32 1/4
8	5	13296	, H , 6-20 1/2	32	1	13902	H , 3200
9	1	11999	L , B	33	2	40422	N , ,
10	1	13018	P , I L	34	1	15354-01	, G , 4
11	1	13312	, I L	35	1	14007	L , D
12	1	13017	G , I L	36	1	*	C , 3200 CL
13	1	13164	G , D				A
14	1	13887	PI , 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, G A ,
		18824-1	M , 230 , 50H , 1/30 PM				F L 2 M P P
		18826-1	M , 24 , 50H , 1/30 PM			61420-04	P , 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 F L 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 , C				
20	1	19210	P , 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

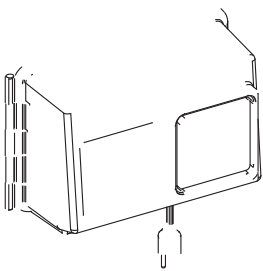


3220 METER IMMEDIATE TIMER

ASSEMBLY *CONTINUED*

Item No.	QTY	Part No.	Description	Item No.	QTY	Part No.	Description
1	1	13870	H , 1/16 5/8	34	1	19210-05	P , 1/16 5/8 A , 9000/3230
2	1	15431	G , C L A , #5	35	17	41754	P , 1/16 5/8
3	1	13886	K , 3200	36	1	15055	G , M D
4	4	13296	, H , 6-20 1/2	37	1	*	C , L , 3220 M
5	2	11999	L , B				L , A
6	1	13807	G , P , D	38		60405-10	P , 1/3/4- , D L 10-2,100
7	1	13806	, P ,			60405-20	P , 1/3/4- E L 10-10,000
8	1	13748	, F L H , 6-20 1/2			60405-11	P , 1/3/4- , D M L 10-8, 3
9	1	14265	, C L			60405-21	P , 1/3/4- E L 10-40, 3
10	1	13018	P , L L	39		60320-02	, K , 3200/9000 A L , O
11	1	18563	L L	40		61420-06	P , 1/2 M A , 2 M P P
12	1	13017	G , L L			61420-42	P , 1/2 M A , F L L 2 M P P
13	1	13164	D , G				*C L , P N
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 L H				
17	1	14502	P , P				
18	1	14501	CL , D P				
19	1	14276	M , CL				
20	1	14253	, CL				
21	3	11384	, P L 6-32 1/4				
22	1	13881	B , H				
23	3	14087	L L				
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 L				
28	1	15465	L L C				
29	1	14007	L L D				
30	1	15148	L L L				
31	1	40617	H , 3220				
32	2	40422	N ,				
33	1	15354-01	, G , 4				

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
2	1	11838	Pin, C, 6-32, N
			Anchor, 1/2", FL
		19303-01	Pin, C, 6-32, N
			Anchor, 1/2", FL
		19885-01	Pin, C, 6-32, N
			Anchor, 1/2", FL
		11545-01	Pin, C, 6-32, N
			Anchor, 1/2", FL
3	1	13547	Pin, 1/2", C
4	1	40400	Head, D, D, /
			End, 1/2"
5	2	10231	Pin, 1/2", H
			1/4-20 1/2 35 -1, 20%
6	2	10218	Pin, M
7	1	10909	Pin, C
8	1	60160-15	D, C, A, F, BL, 2900
9	2	10338	Pin, 3/32 7/8
10	2	14923	Pin, E, H, MACH, 4-40
			1.50 -1, 10%
11	1	41543	M, D, 115 /60 H
		41545	M, D, 220, 50-60H, P, E, 1
11A		42579	M, D, 24 AC/DC, 50-60 H, E, 1
12	1	12777	C, 1/2", 1/2"
13	2	10300	Pin, H, H, 8 3/8 20 -1, 20%
14	1	3200	Pin, A, 3200 7 12 D
			3210 M, D 1/2
			3220 M, 1/2"
15	1	15806	H, 1/2", (H, C)
16	1	16493	Pin, H, H, C, .88 D
17	1	17421	Pin, 1.20 H
18	2	19691	Pin, .750 D, H, FL
19	7	19800	Pin, (H, 1/2": D .140)
20	4	19801	Pin, D .190
21	1	43560	F, B, 1/2"
			(1/2", FL)
22	1	10269	N, 1/2", 3/4-16 (1/2", FL)

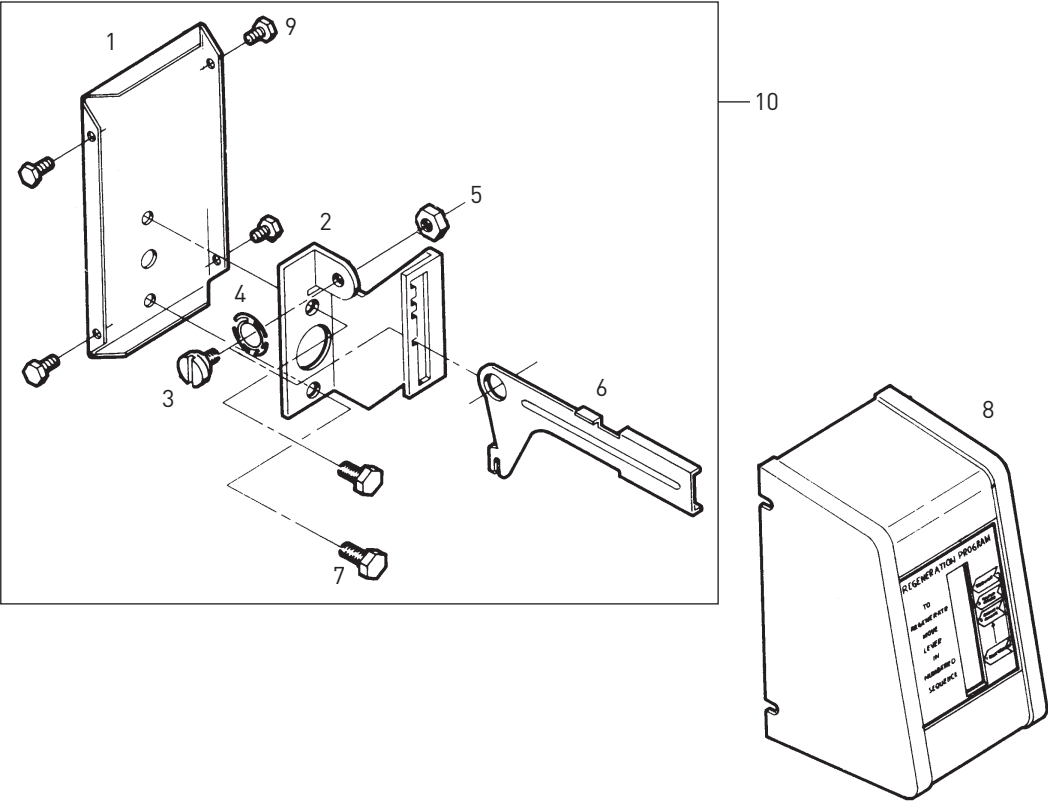
Item No.	QTY	Part No.	Description
23	2	41581	PLATE, HOLE 125 DIA.
24	1	10872	WHEEL, HUB, 8-32 5/16 20 IN-LB, 20%
25	1	14202-01	WHEEL, HUB #8-32 5/16 DIA.
26	1	60219-02	CAP, ALUMINUM, 1/2 BLK, CLIP
		60219-12	CAP, ALUMINUM, 1/2 BLK, BLK
27	1	*	PISTON RING, ALUMINUM
28	1	60050-23	DIAPHRAGM, 24 AC/ DC, 50-60 HZ FAM 1
		60050-21	DIAPHRAGM, 115 /60 HZ
		60050-22	DIAPHRAGM, 220 , 50-60 HZ, P FAM1
29		60320-12	WHEEL, K, 1500-2850 DIA. M

Not Shown:

1 15441 C L G A , 2510
1 15495 M C L , 13.87

*C U P N

MANUAL POWERHEAD ASSEMBLY



60409 A

Item No.	QTY	Part No.	Description
1	1	12593	B, L, M, P
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	H, 1/4 - 20 1/2 18-8
8	1	60224-32	C, A, M, F
	1	60224-33	C, A, M, F
9	4	10300	H, 8-18 3/8 B, C44-47
10		60409	P, A, M

Not Shown:

1	10909	P, L
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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, 1/2- B	60705-20	DLFC, Pl 2.0		
		10228	C, I, 1/2- 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				

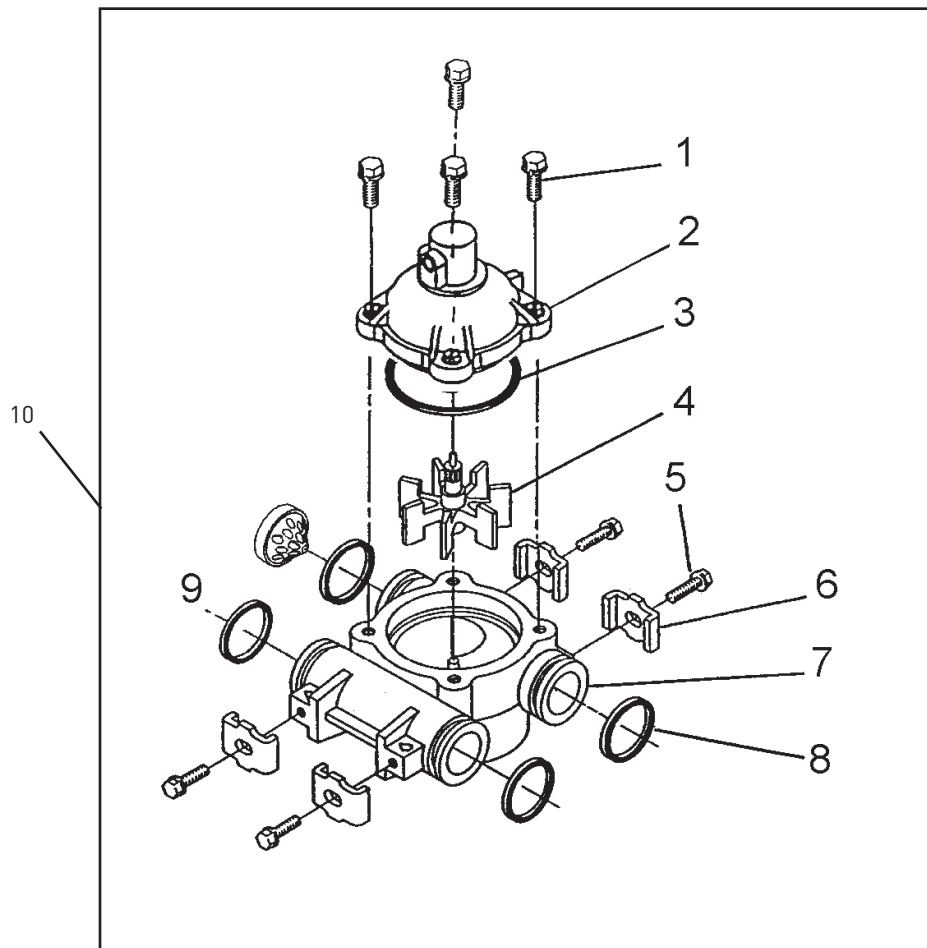
SOFTENER FILTER CONVERSION KITS

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

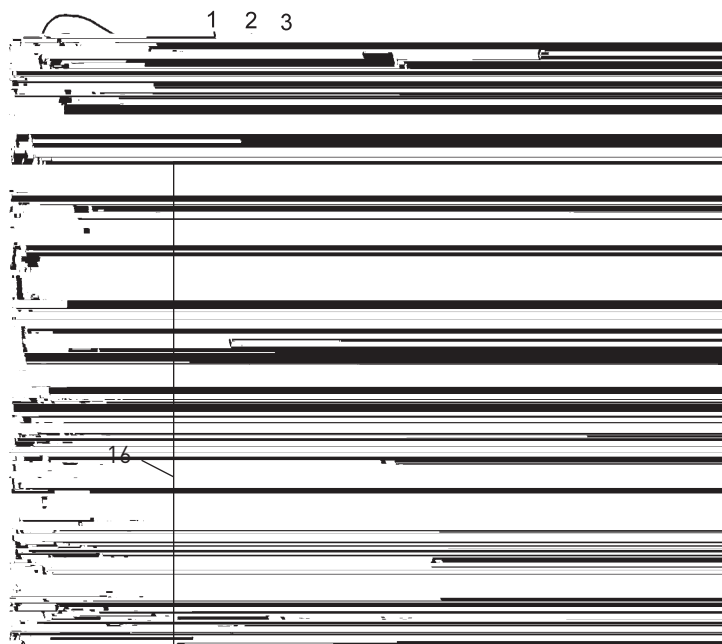
METER ASSEMBLY



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 / L
		60089-180	M A , 3/4- D L P L , E L , A L /180 PL P L L L / L

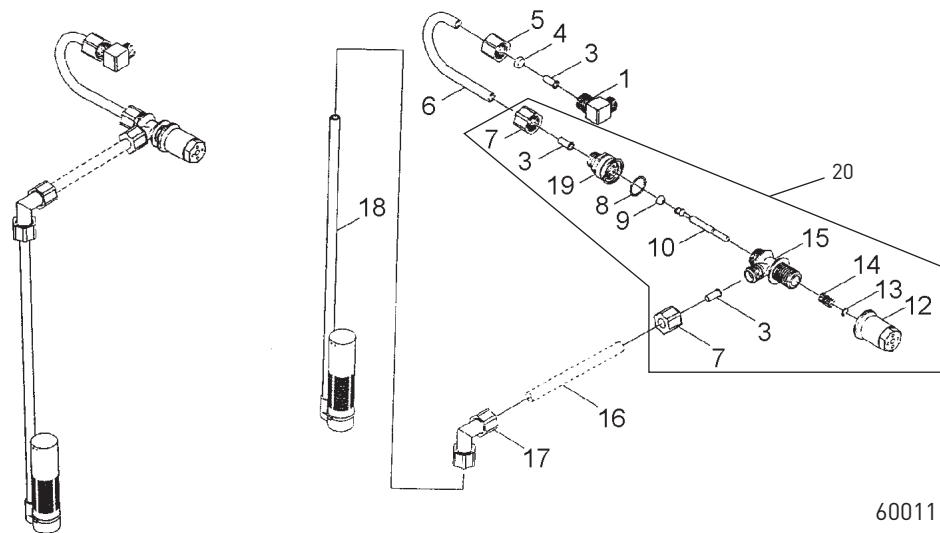
1600 BRINE SYSTEM ASSEMBLY



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	Brine Valve, 1600,
2	1	12767	Bracket, B				
3	1	10328	Fitting, Elbow, 90 Degree, 1/4", NP, 3/8"	13	1	12626	Bracket, B
4	3	10329	Fitting, 1/2", 3/8" NPT, B	14	1	11982	O-Ring, -016
5	3	10330	Fitting, 1/2", 3/8" C.U.	15	1	60020-25	BLFC, .25 GPM, 1600
6	1	16508-01	Bracket, B, 2850/2900			60020-50	BLFC, .50 GPM, 1600
		12774	Bracket, B, 1500			60020-100	BLFC, 1.0 GPM, 1600
		40027	Bracket, B, 2510, H BP	16	1	60029-010	Brine Valve, 1600, .025"
		14428	Bracket, B, 1600/1650, NH BP			60029-020	Brine Valve, 1600, .050"
		15221-01	Bracket, B, 2750/2900			60029-030	Brine Valve, 1600, 1.00"
		42184	Bracket, B, 2850				
		41683	Bracket, B, 1600/1650, F, 2900				
7	1	10250	Bracket, B				
8	1	11749	Gasket, B				
9	1	10249	Bracket, B				
10	1	12550	Brine Valve, -009				
11	1	12748	Brine Valve, B, A, 1600				

1650 BRINE SYSTEM



60011 D

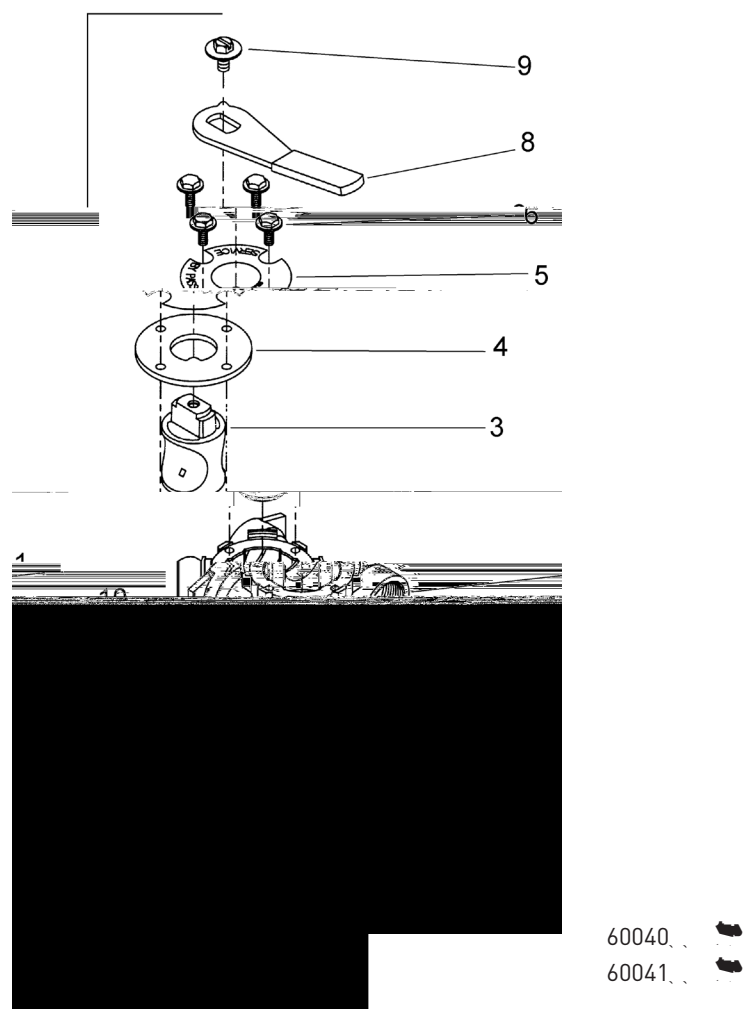
Item No.	QTY	Part No.	Description
1	1	10328	El , 90 1/4 NP 3/8
3	3	10332	I , 3/8
4	1	10330	U , 3/8 N B
5	1	10329	F , 3/8 N B
6	1	16508-01	B , U , 2850/2900
		12774	B , U , 1500
		40027	B , U , 2510, H BP
		14428	B , U , 1600/1650, NH BP
		15221-01	B , U , 2750/2900
		42184	B , U , 2850
		41683	B , U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

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



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

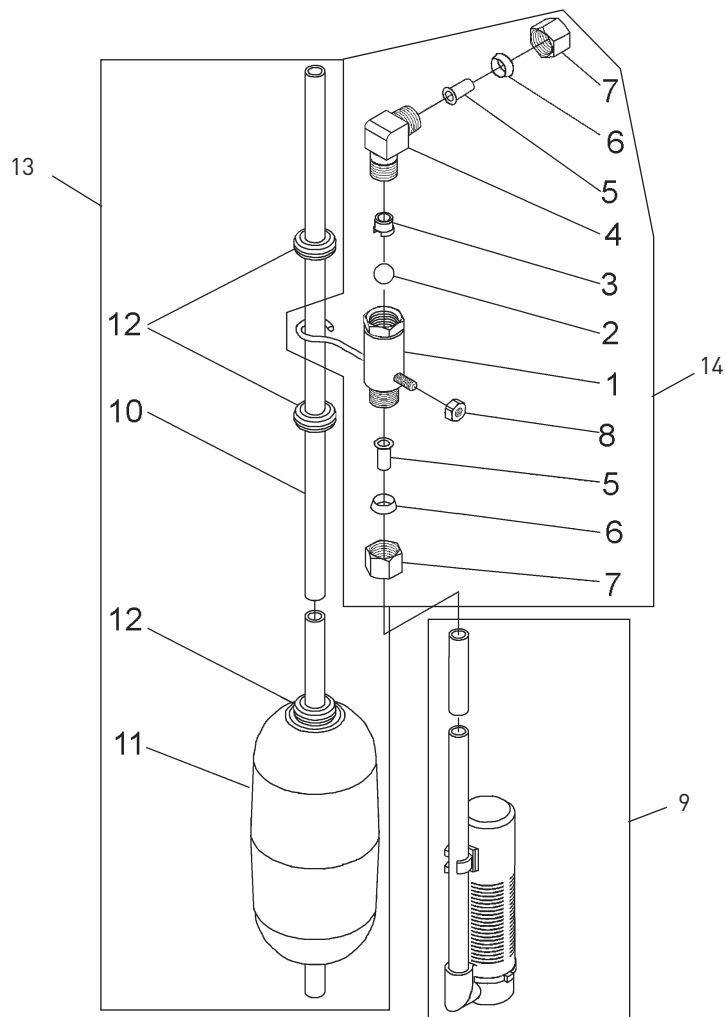
BYPASS VALVE ASSEMBLY (METAL)



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
1	1	60027-00	Brine Valve, 2300, L El
2	1	10138	Brine Valve, 3/8", B
3	1	11566	Brine Valve, 1/2", F El
4	1	10328	Flange, El, 90 D, 1/4 NP 3/8"
5	1	10332	Flange, El, 3/8"
6	1	10330	Flange, El, 3/8 C L
7	1	10329	Flange, El, 3/8 N, B
8	1	10186	Nut, H, 10-32
9	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
		60002-34	A.C., #500, 34 L

Item No.	QTY	Part No.	Description
		60002-36	A.C., #500, 36 L
		60002-48	A.C., #500, 48 L
		60002-26.25	A.C., #500, 26.25 L
		60002-33.25	A.C., #500, 33.25 L
10	1	10149	Flange, 30"
11	1	10700	Flange, A
12	3	10150	Gasket, 30 D
13	1	60028-30	Flange, A, 2300, 30"
14	1	60027-FFA	Brine Valve, 2300, F El, A
		60027-FF	Brine Valve, 2300, F El

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

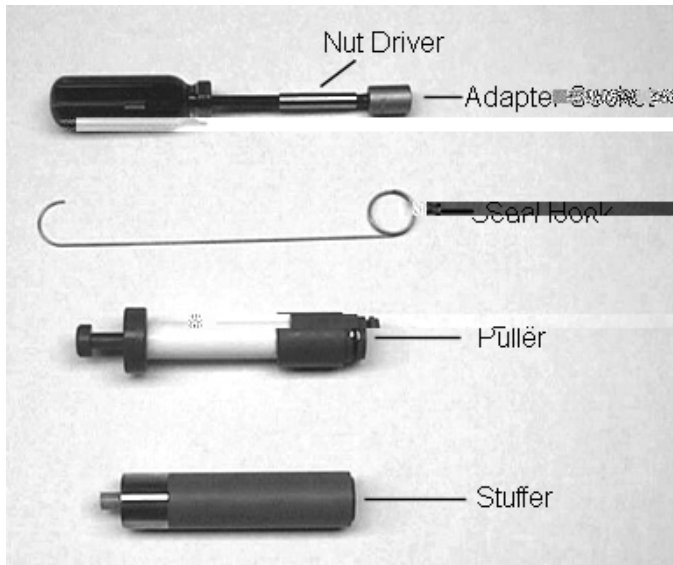


FIGURE 5

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 (B) and remove the back plate (B) from the valve assembly (V).
2. Remove the cap screw (N) from the back plate (B) and remove the back plate (B) from the valve assembly (V).
3. Disconnect the brine line (L) from the brine valve (V) and remove the brine valve (V) from the valve assembly (V).
4. Remove the cap screw (N) from the back plate (B) and remove the back plate (B) from the valve assembly (V).
5. Gently pull the piston (P) out of the valve assembly (V) and remove the piston (P) from the valve assembly (V).

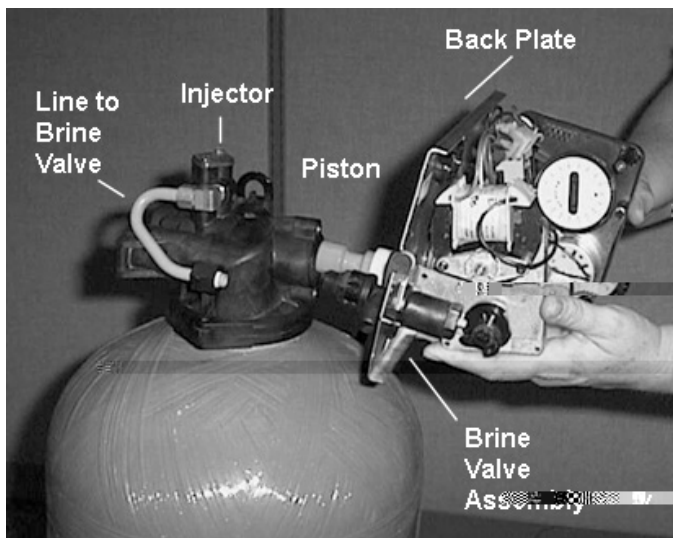


FIGURE 6

6. Remove the cap screw (N) from the back plate (B) and remove the back plate (B) from the valve assembly (V).

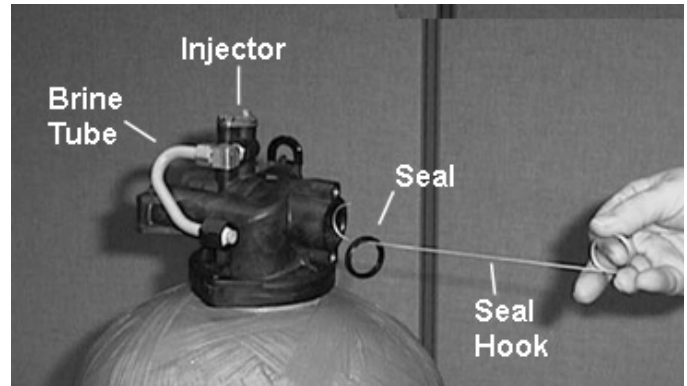


FIGURE 7

7. Remove the cap screw (N) from the back plate (B) and remove the back plate (B) from the valve assembly (V).
8. Insert the puller (P) into the valve assembly (V) and pull the piston (P) out of the valve assembly (V). Remove the piston (P) from the valve assembly (V).

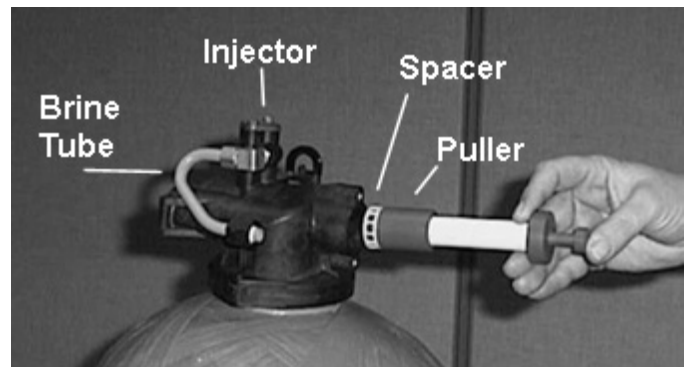


FIGURE 8

9. All components are now removed from the valve assembly (V). See Figure 8.
10. The valve assembly (V) is now ready for replacement. See Figure 8.

SEAL & SPACER TOOLS & REPLACEMENT

CONTINUED

11. Turn the handle clockwise until the handle is in the "ON" position (see Figure 5). The handle should be turned until the handle is in the "ON" position. The handle should be turned until the handle is in the "ON" position.

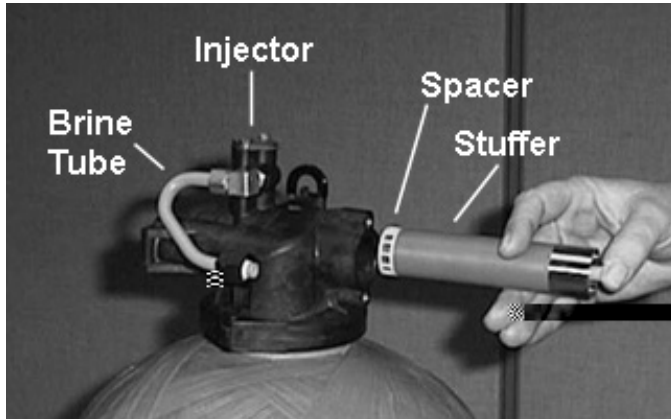


FIGURE 9

12. Turn the handle clockwise until the handle is in the "ON" position (see Figure 8). The handle should be turned until the handle is in the "ON" position. The handle should be turned until the handle is in the "ON" position.
13. Turn the handle clockwise until the handle is in the "ON" position (see Figure 8). The handle should be turned until the handle is in the "ON" position. The handle should be turned until the handle is in the "ON" position.
14. Turn the handle clockwise until the handle is in the "ON" position (see Figure 8). The handle should be turned until the handle is in the "ON" position. The handle should be turned until the handle is in the "ON" position.

GENERAL SERVICE HINTS FOR METER CONTROL

Problem: Softener delivers hard water

Reason: The softener is not working properly.

Correction: Check the softener's control valve. If the control valve is not working properly, it may be necessary to replace the control valve.

Reason: The softener's control valve is not working properly.

Correction: The control valve should be replaced. The control valve should be replaced. The control valve should be replaced. The control valve should be replaced. The control valve should be replaced.

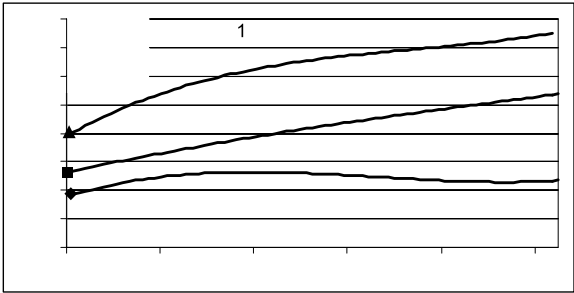
Reason: The softener's control valve is not working properly.

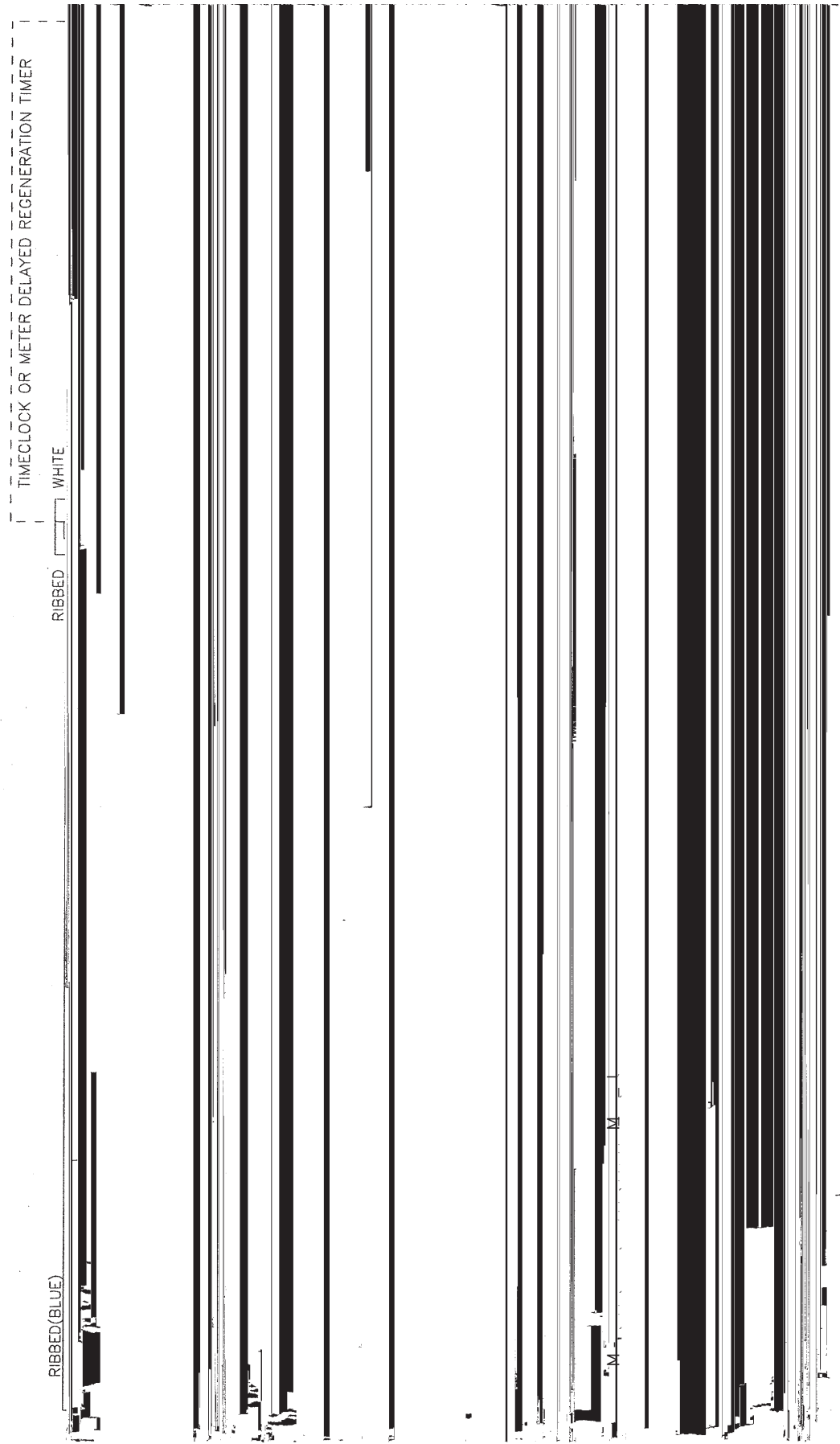
Correction: The control valve should be replaced. The control valve should be replaced.

TROUBLESHOOTING

Problem	Cause	Correction
Pressure is too low at the nozzle	Electrical connection is not correct	Adjust electrical connection (see page 11, 12)
	Incorrect hose connection	 Connect hose.
	Pressure too low	 Increase pressure.
Hose is not spraying	Bleed off too high	Close bleed off.
	Nozzle too far	Adjust distance between nozzle and surface.
	Incorrect hose connection	Close bleed off.
	Incorrect electrical connection	Check electrical connection (see page 11, 12).
	Hose too long	 Shorten hose.
	Low temperature	Minimum temperature is 5°C.
	Incorrect nozzle	 Use correct nozzle / spray gun.
No spray at all	Electrical connection	Check electrical connection.
	Electrical connection is not correct	See "Electrical connection".
Low spray pressure	Pressure too low	Close bleed off.
	Incorrect hose connection	Close bleed off and check electrical connection.
	Incorrect electrical connection (see page 11, 12)	 Check electrical connection.
Low spray pressure at the nozzle	Adjust pressure	Adjust pressure (see page 12).
	Incorrect hose connection	Close bleed off.
Incorrect spray pattern	Flooding the surface	Close bleed off and increase distance between nozzle and surface.
		Adjust distance between nozzle and surface.
Electrical connection problems	Plug not connected	Close bleed off.
	Plug not connected correctly	Close bleed off.
	Incorrect cable	 Use correct cable.
	Faulty electrical connection	 Check electrical connection.
	Faulty electrical connection at the nozzle	Close bleed off.
Spraying too far	Distance too far	Close bleed off.
	Incorrect hose connection	Close bleed off.
	Incorrect electrical connection	Close bleed off.
	Low temperature	Minimum temperature is 20°C.
	Incorrect nozzle	Close bleed off and use correct nozzle.
	Incorrect electrical connection	Check electrical connection.
Control cable is not working	Malfunction of control cable	Disconnect control cable and connect it to the correct cable.
Distance too far	Distance too far	Close bleed off and increase distance between nozzle and surface.
	Flooding the surface	 Increase distance between nozzle and surface.
	Incorrect nozzle	 Use correct nozzle.

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

