



SUB-ASSEMBLY #81312001
CONTROL ARM & VERTICAL LOCK ASS'Y

REV.	NO.	DESCRIPTION	DATE	BY	CHKD BY	APP'D BY	SCALE	DATE	DRWG. SIZE
	5	NOTE ADDED	0805 04				1/8" = 1"	2-12-02	D
	2	99XXXXXX PT NOS ADDED							
	3	P/N 44242100 ADDED							
	2	P/N 51215100 ADDED							
	1	NOTE WAS (P/N 03773301)							
	9	FLANGE PER ORDER WAS							
	4	ADD BILL OF MAT'L FOR 20'							
	3	ADD BILL OF MAT'L FOR 15'							
	2	ADD BILL OF MAT'L FOR 10'							
	1	ADD BILL OF MAT'L FOR 10'							
	1	REDESIGNED & REDRAWN							
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21	81540001	WATERWAY WELDMENT ASS'Y (20') WITH 6"-300# R.F. FLANGED BASE	1
20	80713000	HORIZONTAL DRIVE SLEEVE WELDMENT & ASSEMBLY (20')	1
19	80716001	CONTROL CABLE ASSEMBLY (20')	2
F4 PARTS USED WITH 299-11EL 20' 6"-300# FF FLANGE (99449101)			
21	81543001	WATERWAY WELDMENT ASS'Y (20') WITH 6"-150# R.F. FLANGED BASE	1
20	80713000	HORIZONTAL DRIVE SLEEVE WELDMENT & ASSEMBLY (20')	1
19	80716001	CONTROL CABLE ASSEMBLY (20')	2
F5 PARTS USED WITH 299-11EL 20' 6"-150# RF FLANGE (99186201)			
21	81542001	WATERWAY WELDMENT ASS'Y (15') WITH 6"-150# R.F. FLANGED BASE	1
20	80712000	HORIZONTAL DRIVE SLEEVE WELDMENT & ASSEMBLY (15')	1
19	80715001	CONTROL CABLE ASSEMBLY (15')	2
F2 PARTS USED WITH 299-11EL 15' 6"-150# RF FLANGE (99185201)			
21	81541001	WATERWAY WELDMENT ASS'Y (10') WITH 4"-150# R.F. FLANGED BASE	1
20	80711000	HORIZONTAL DRIVE SLEEVE WELDMENT & ASSEMBLY (10')	1
19	80714001	CONTROL CABLE ASSEMBLY (10')	2
F1 PARTS USED WITH 299-11EL 10' 6"-150# RF FLANGE (99184201)			
21	80684001	WATERWAY WELDMENT ASS'Y (20') WITH 4"-150# R.F. FLANGED BASE	1
20	80713000	HORIZONTAL DRIVE SLEEVE WELDMENT & ASSEMBLY (20')	1
19	80716001	CONTROL CABLE ASSEMBLY (20')	2
PARTS USED WITH 299-11EL 20' 4"-150# RF FLANGE (99186101)			
21	80683001	WATERWAY WELDMENT ASS'Y (15') WITH 4"-150# R.F. FLANGED BASE	1
20	80712000	HORIZONTAL DRIVE SLEEVE WELDMENT & ASSEMBLY (15')	1
19	80715001	CONTROL CABLE ASSEMBLY (15')	2
PARTS USED WITH 299-11EL 15' 4"-150# RF FLANGE (99185101)			
21	80682001	WATERWAY WELDMENT ASS'Y (10') WITH 4"-150# R.F. FLANGED BASE	1
20	80711000	HORIZONTAL DRIVE SLEEVE WELDMENT & ASSEMBLY (10')	1
19	80714001	CONTROL CABLE ASSEMBLY (10')	2
PARTS USED WITH 299-11EL 10' 4"-150# RF FLANGE (99184101)			
G3	23	44242100 LABEL - SERIAL NUMBER	1
G2	22	61215100 DRIVE SCREW S/S #4 X 1.87 RD HD TYPE U	2
	18	16380000 BOLT - HEX. 0.750-16 X 0.750-LG.	2
E11	17	51269000 PIN - ROLL S/S 0.250-O.D. X 0.500-LG. X 0.050-WALL	2
	16	33629000 GRIP - HAND (RUBBER)	1
	15	80701000 299-11EL MONITOR ASSEMBLY	1
	14	80717000 HORIZ. LOCK HANDWHEEL ASS'Y.	1
	13	47466000 NUT - HEX. (0.312-18)	5
	12	17834000 BRACKET - CONTROL (LEFT)	1
	11	52049000 PIN - COTTER S/S 0.250-DIA. X 2.000-LG.	1
	10	47482000 NUT - CASTLE (1.0-14 THD.)	1
	9	61059000 SCREW - MACH. 0.312-18 X 0.750-LG. HEX.	5
	8	81311000 CONTROL ARM WELDMENT	1
	7	17851001 BOLT - PIVOT S/S	1
	6	52566000 PLATE - LOCK S/S	1
	5	36637001 HUB - LOCK S/S	1
	4	65453001 SHAFT - LOCK S/S	1
	3	58943000 RING - RETAINER (S/S) E-RING (TRUARC #5144-43H)	1
	2	65362001 SHAFT - HANDLE S/S	1
	1	42022000 KNOB - HANDLE	1
G6 PARTS USED WITH ALL 299-11EL ASSEMBLIES			

NOTES:
(1) 10, 15, & 20 FOOT MONITORS MAX. FLOW IS 750-G.P.M.
(2) THESE MAXIMUM FLOW RATE TO BE DEVELOPED WITH A MAXIMUM NOZZLE PRESSURE OF 100-P.S.I.