



SECTION T
HYDRAULIC SYSTEM

SWINGMASTER CORPORATION

PARTS BOOK

MACHINE

SECTION

MODEL 361 SWINGLOADER

HYDRAULIC SYSTEM

DESCRIPTION

HYDRAULIC TANK INSTALLATION AND ASSEMBLY
HYDRAULIC FILTER ASSEMBLY

HYDRAULIC RETURN LINE MANIFOLD INSTALLATION

HYDRAULIC SWIVEL INSTALLATION
HYDRAULIC SWIVEL

HYDRAULIC PUMPS INSTALLATION
HYDRAULIC PUMP - DOUBLE - BOOM & HI-RAIL
MAIN HYDRAULIC PUMP
HYDRAULIC PUMP - DOUBLE - STEER & PILOT

MAIN HYDRAULIC SUCTION LINES AND FITTINGS

MAIN PUMP PRESSURE LINES AND FITTINGS - LOWER
MAIN PUMP PRESSURE LINES AND FITTINGS - LOWER W/O HI-RAIL

SECONDARY PUMP LINES AND FITTINGS - LOWER (H.R.C.)

MAIN HYDRAULIC RETURN LINES AND FITTINGS

MAIN HYDRAULIC VALVES INSTALLATION
HYDRAULIC CONTROL VALVE - 2 SPOOL
SPOOL CONTROL (A - SIDE)
SPOOL CONTROL (B - SIDE)
MAIN RELIEF VALVE
INLET VALVE
ACCESSORIES IN PRESSURE AND TANK GALLERY
PORT RELIEF AND ANTICAVITATION VALVE

SWINGMASTER CORPORATION
11415 MELROSE AVENUE
FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224

MACHINE

SECTION

MODEL 361 SWINGLOADER

HYDRAULIC SYSTEM

DESCRIPTION

MAIN HYDRAULIC VALVES INSTALLATION - CONTINUED

HYDRAULIC CONTROL VALVE - 3 SPOOL

SPOOL CONTROL (SWING, ATTACHMENTS 1 & 2)

PLUGS IN MOTOR, PUMP, AND TANK PORTS

TIE RODS, MOUNTING PLATES, & SEAL KITS

PORT RELIEF & LOAD HOLD CHECK VALVE

MAIN RELIEF VALVE

MAIN HYDRAULIC CONTROL VALVE LINES & FITTINGS-UPPER

SECONDARY CONTROL VALVE LINES AND FITTINGS - UPPER

HYDRAULIC REMOTE CONTROL INSTALLATION

JOYSTICK CONTROL

HAND LEVER

MOUNTING PLATE

BASIC VALVE

SPRINGS

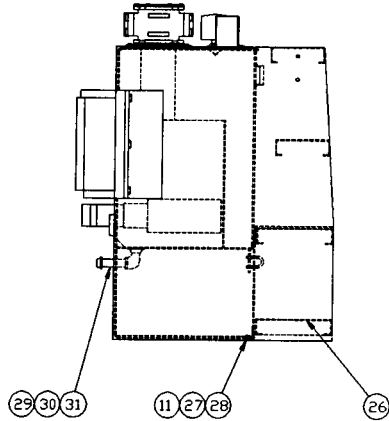
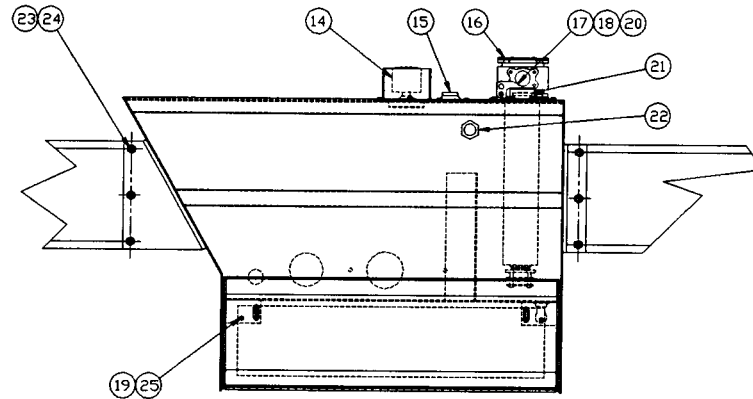
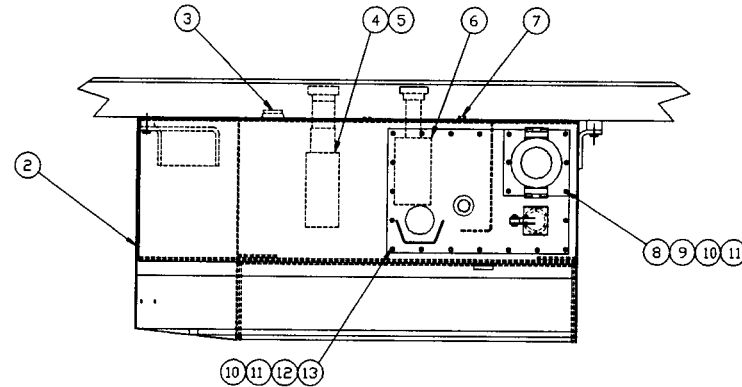
JOYSTICK CONTROL LINES AND FITTINGS - UPPER

H.R.C. PRESSURE AND RETURN LINES & FITTINGS-UPPER

ATTACHMENT CYLINDER LINES AND FITTINGS

ATTACHMENT LINES AND FITTINGS

HYDRAULIC SYSTEM SCHEMATIC DIAGRAM



1 INSTALLATION/ASSEMBLY

1	12-19-90
REV. NO.	DATE

TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONS +/- 3 PLACE DECIMALS +/- 2 PLACE DECIMALS +/- 1 PLACE DECIMALS +/- ANGLES SEE SWINGMASTER SPECIFICATION G-1 FOR TOLERANCES NOT SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE DRAWING SCALE 1/8		SWINGMASTER CORPORATION 11415 MELROSE AVENUE FRANKLIN PARK, ILLINOIS 60131 HYDRAULIC TANK INSTALLATION & ASSEMBLY MODEL 361 DRAWN BY: B.W. DATE: 9-2-88	
		D-183	

SWINGMASTER CORPORATION

PARTS BOOK

MACHINE	SECTION	20
-----	-----	-----
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	
-----	-----	-----

ASSEMBLY
NUMBER

DESCRIPTION

1802024

HYDRAULIC TANK INSTALLATION AND ASSEMBLY

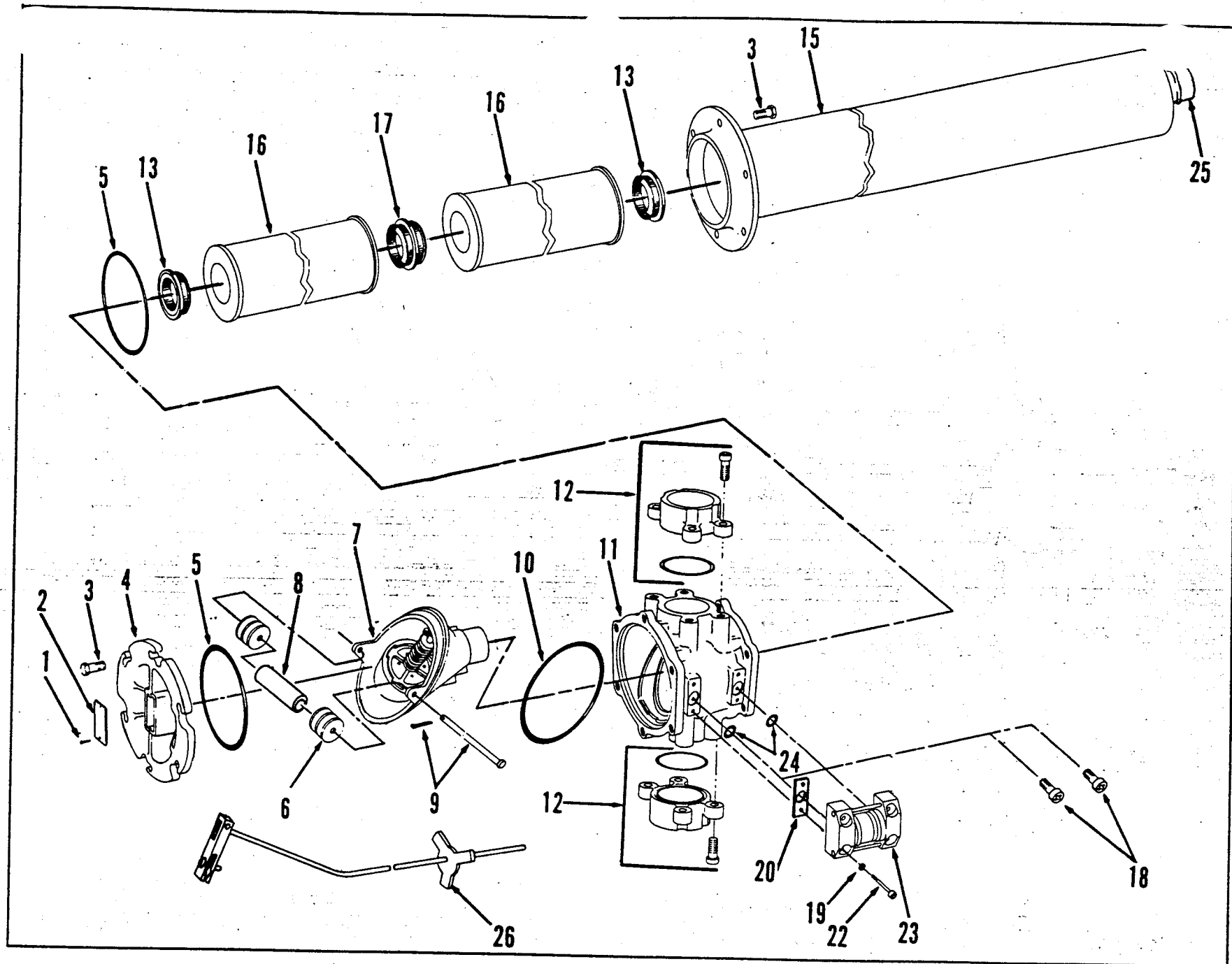
ITEM NO.	PART NUMBER	DESCRIPTION	QTY. USED
2	1802025	HYDRAULIC TANK WELDMENT	1.00
3	1800660	2" PIPE PLUG-SOCKET HEAD	1.00
4	1802026	PIPE COUPLING - 2 1/2	1.00
5	1800255	OIL FILTER	1.00
6	1800256	OIL FILTER - SUMP TYPE	1.00
7	1800656	1/2" PIPE PLUG-SOCKET HEAD	1.00
8	1802027	HYDRAULIC FILTER FLANGE	1.00
9	1802028	HYDRAULIC FILTER FLANGE GASKET	1.00
10	1800443	H.H.C.S. 5/16-18 X 1" LONG	23.00
11	1800074	5/16" LOCK WASHER	37.00
12	1802029	HYDRAULIC TANK COVER WELDMENT	1.00
13	1802030	HYDRAULIC TANK COVER WELDMENT GASKET	1.00
14	1800621	RESERVOIR BREATHER	1.00
15	1800657	1 1/4" PIPE PLUG-SOCKET HEAD	1.00
16	1802031	HYDRAULIC FILTER	1.00
17	1802032	FILLER CAP GUARD WELDMENT	1.00
18	1800454	H.H.C.S. 3/8-16 X 1 1/4" LONG	1.00
19	1800568	3/8" LOCK WASHER	3.00
20	1800514	HEX NUT 3/8-16	1.00
21	1802033	FILLER CAP ASSEMBLY	1.00
22	1800270	SIGHT GAUGE - 1 1/2" NPT	1.00
23	1800471	H.H.C.S. 1/2-13 X 1 1/2" LONG	6.00
24	1800570	1/2" LOCK WASHER	6.00
25	1800457	H.H.C.S. 3/8-16 X 1 1/2" LONG	2.00
26	1802034	COMPARTMENT DOOR WELDMENT	1.00
27	1800442	H.H.C.S. 5/16-18 X 3/4" LONG	14.00
28	1800512	HEX NUT 5/16-18	14.00
29	1802035	PIPE ELBOW 3/4"	1.00
30	1802036	STEEL PIPE NIPPLE 3/4" X 4" LONG	1.00
31	1802037	PIPE CAP 3/4"	1.00
32	1804475	PADLOCK & KEY	1.00

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



Filter Assembly Exploded View

SWINGMASTER CORPORATION

PARTS BOOK

MACHINE	SECTION	20
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	

ASSEMBLY
NUMBER

DESCRIPTION

1802031

HYDRAULIC FILTER ASSEMBLY

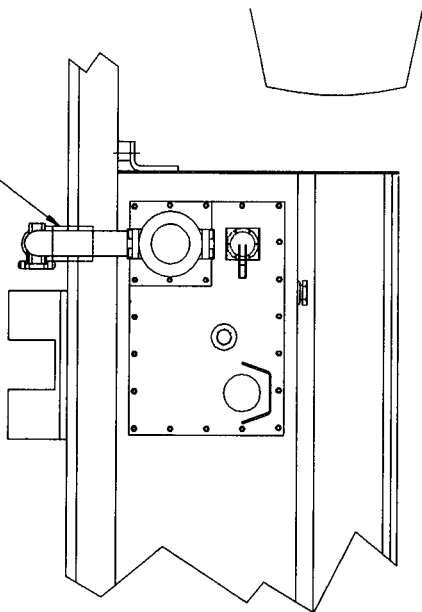
ITEM NO.	PART NUMBER	DESCRIPTION	QTY. USED
1	8702478	NAME PLATE SCREWS	1
2	8702479	NAME PLATE (UNSTAMPED)	1
3	8702480	HEAD SCREWS	1
4	8702481	COVER (WITH OUT NAME PLATE)	1
5	8702482	O-RING	1
6	8702483	MAGNETS	6
7	8702484	DIVERTER VALVE ASSEMBLY (35 PSID)	1
8	8702485	TUBE	1
9	8702486	DIVERTER HANDLE	1
10	8702487	O-RING	1
11	8702488	HEAD (MACHINED ONLY)	1
12	8702489	FLANGE KIT	1
13	8702490	GROMMET (ELEMENT END CAP)	2
15	8702491	BOWL	1
16	8702492	DOUBLE ELEMENT (DOUBLE ELEMENT)	1
17	8702493	GROMMET	1
18	8702494	PLUG KIT	2
19	8702495	LOCK WASHER	4
20	8702496	GASKET	2
22	8702497	S.H.C.S. 10-24 X 1 1/4" LONG	4
23	8702498	VISUAL INDICATOR (35 PSID)	1
24	8702499	O-RING	2

SWINGMASTER CORPORATION
11415 MELROSE AVENUE
FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224

LOCATE & WELD
AT ASSEMBLY

②

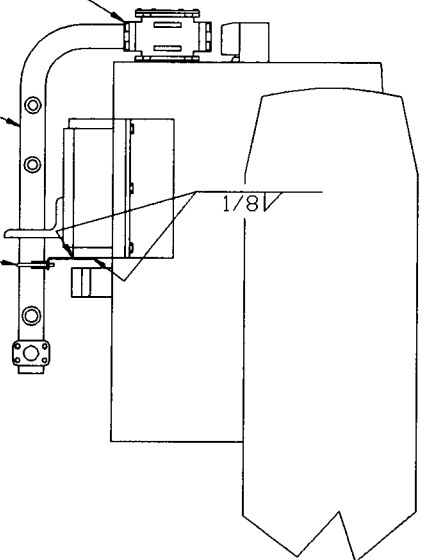


③ ⑥

④

⑤

1/8"



① INSTALLATION

TOLERANCES

UNLESS OTHERWISE SPECIFIED

FRACTIONS +/-

3 PLACE DECIMALS +/-

2 PLACE DECIMALS +/-

1 PLACE DECIMALS +/-

ANGLES

SEE SWINGMASTER SPECIFICATION
G-1 FOR TOLERANCES NOT SPECIFIED

DIMENSIONS ARE IN INCHES

DO NOT SCALE DRAWING

SCALE: NONE

SWINGMASTER CORPORATION

11415 MELROSE AVENUE
FRANKLIN PARK, ILLINOIS 60131

HYDRAULIC RETURN LINE MANIFOLD

INSTALLATION

MODEL 361

DRAWN BY: B.W.

DATE: 9-6-88

DRAWING NO.

C-114

SWINGMASTER CORPORATION

PARTS BOOK

MACHINE	SECTION	-----20
-----	-----	-----
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	
-----	-----	-----

ASSEMBLY	-----
NUMBER	DESCRIPTION
-----	-----
1802070	HYDRAULIC RETURN LINE MANIFOLD INSTALL.
-----	-----

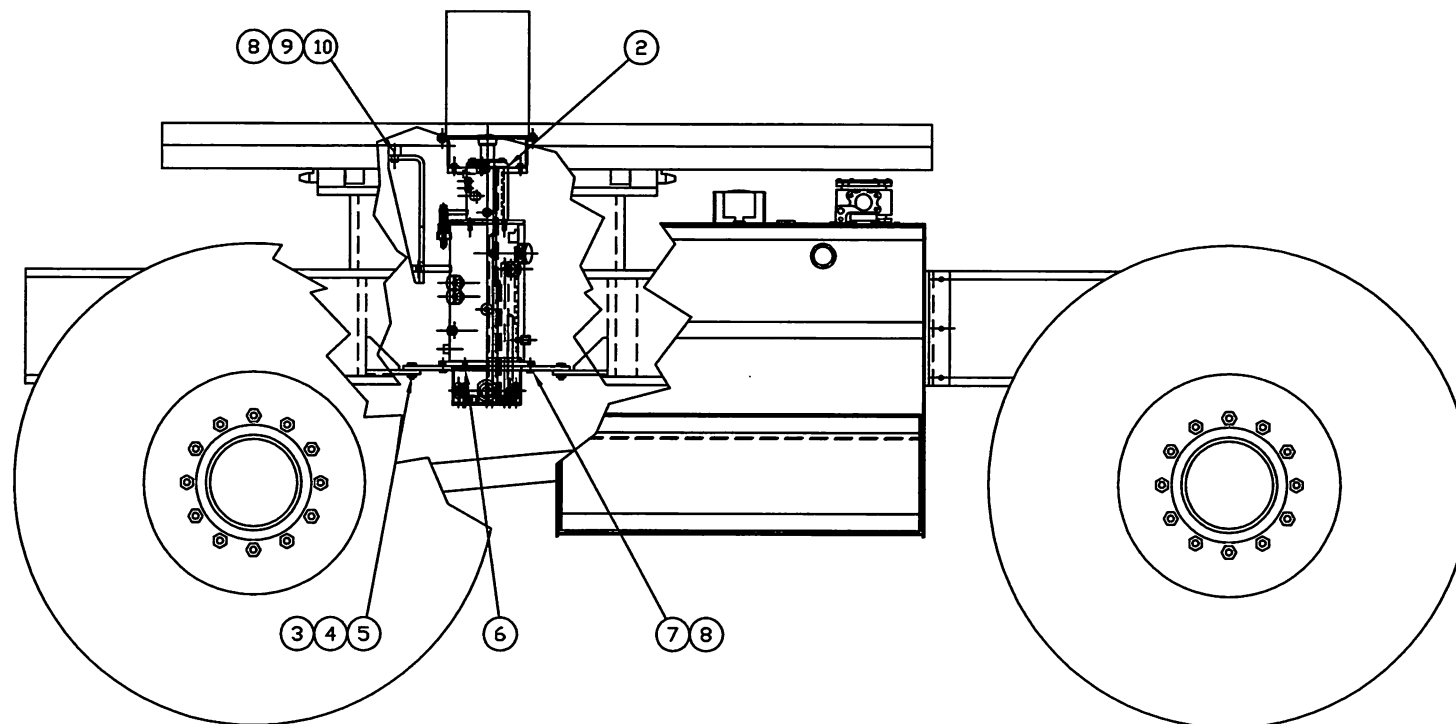
ITEM PART			QTY.
NO.	NUMBER	DESCRIPTION	USED
2	1802071	BRACKET	1.00
3	1800827	2" SPLIT FLANGE CLAMP HALF	2.00
4	1802072	HYDRAULIC RETURN LINE MANIFOLD	1.00
5	1802073	2 1/2" MUFFLER CLAMP	1.00
6	1800865	SOCKET HEAD CAP SCREW 1/2-13 X 1 1/4 LG	4.00

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



1 INSTALLATION

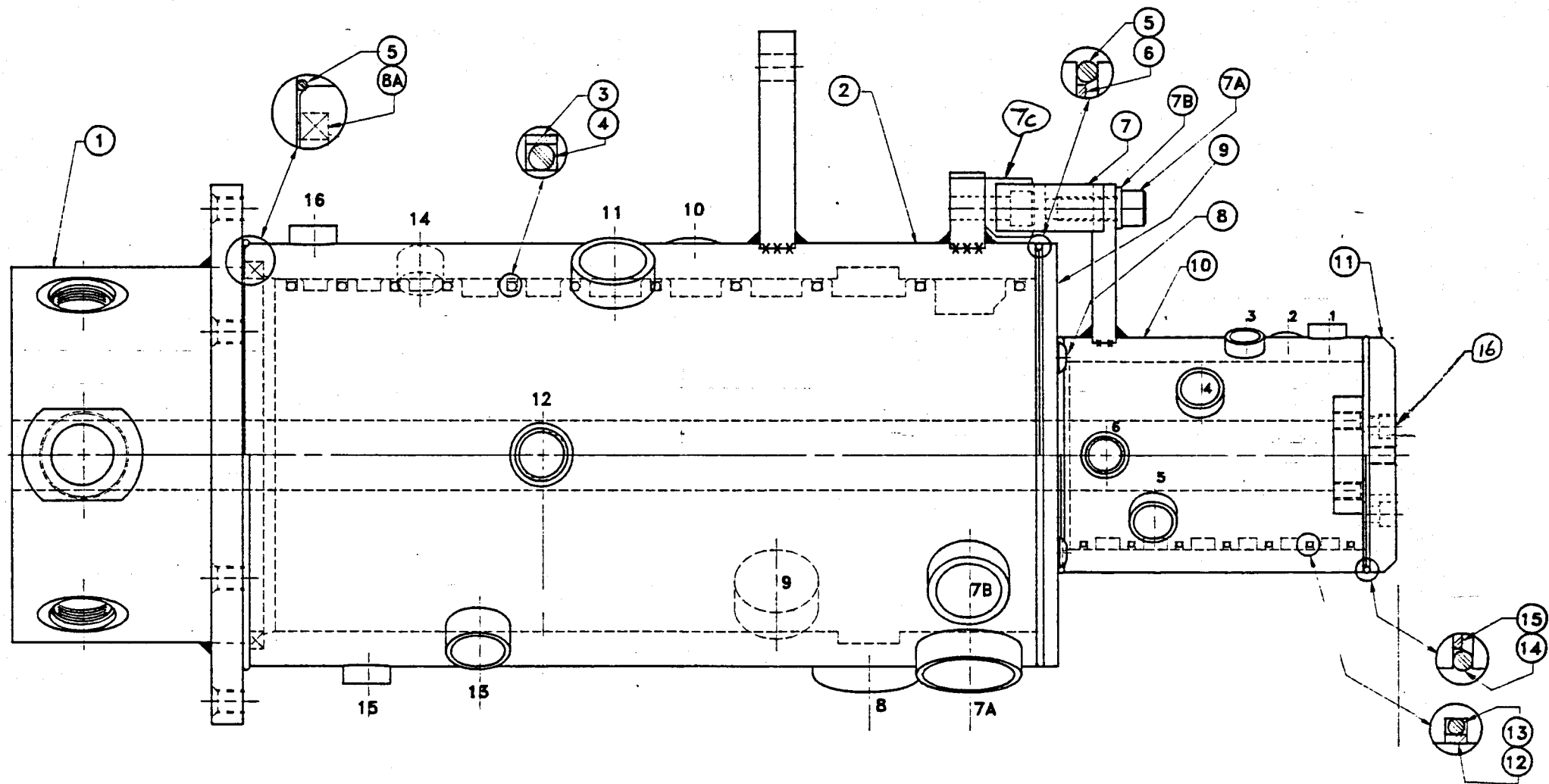
TOLERANCES		SWINGMASTER CORPORATION	
UNLESS OTHERWISE SPECIFIED		11415 MELROSE AVENUE	
FRACTIONS +/-		FRANKLIN PARK, ILLINOIS 60131	
3 PLACE DECIMALS +/-		HYDRAULIC SWIVEL INSTALLATION	
2 PLACE DECIMALS +/-		MODEL 361	
1 PLACE DECIMALS +/-		DRAWN BY: B.W.	
ANGLES		DATE: 9-8-88	
SEE SWINGMASTER SPECIFICATION		DRAWING NO.	
G-1 FOR TOLERANCES NOT SPECIFIED		C-115	
DIMENSIONS ARE IN INCHES			
DO NOT SCALE DRAWING			
SCALE 1			

1	2-11-91
REV.NO.	DATE

MACHINE	SECTION	20
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	

	ASSEMBLY NUMBER	DESCRIPTION	
	1802066	HYDRAULIC SWIVEL INSTALLATION	

ITEM NO.	PART NUMBER	DESCRIPTION	QTY USED
2	1802067	HYDRAULIC SWIVEL	1
3	1802068	H.H.C.S. 3/4-10 X 1 1/2" LONG	3
4	1800572	3/4" LOCK WASHER	3
5	1800521	HEX NUT 3/4-10	3
6	1802069	HYDRAULIC SWIVEL MOUNTING PLATE	1
7	1801417	H.H.C.S. 1/2-13 X 1 1/4" LONG	6
8	1800570	1/2" LOCK WASHER	9
9	1807040	SWIVEL DRIVER	1
10	1800471	H.H.C.S. 1/2-13 X 1 1/2" LONG	3



SWINGMASTER CORPORATION
PARTS BOOK

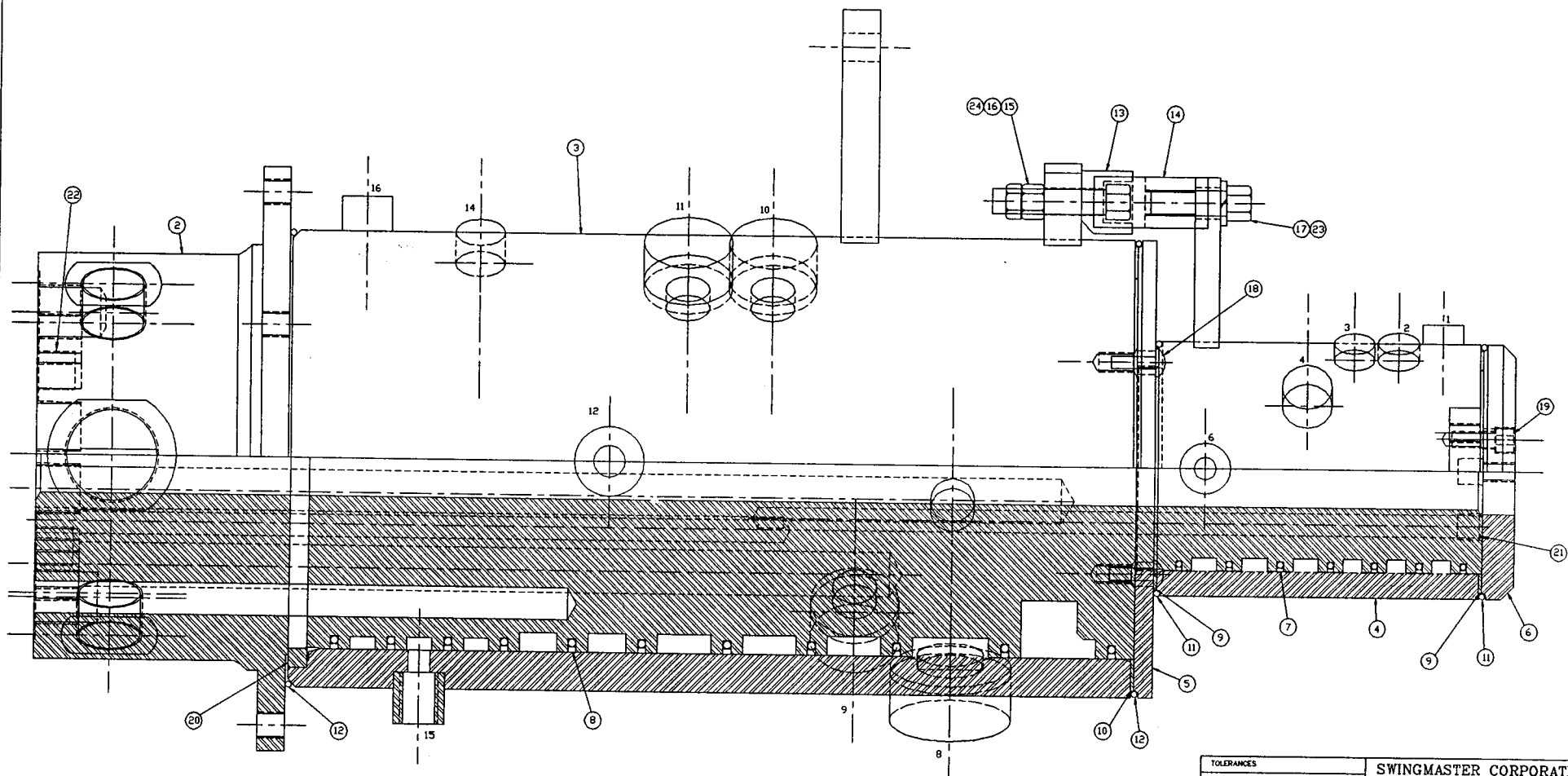
MACHINE	SECTION	20
-----	-----	-----
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	
-----	-----	-----

**ASSEMBLY
NUMBER**
DESCRIPTION
1802067
HYDRAULIC SWIVEL

ITEM	PART		QTY.
NO.	NUMBER	DESCRIPTION	USED
-----			-----
1	8702690	SPOOL	1
2	8702691	SLEEVE	1
3	8702693	TFE SEAL	11
4	8702694	O-RING	11
5	8702695	O-RING	2
6	8702696	NYLON WASHER	3
7	1803227	TORQUE HARNESS	1
7A	1801343	SOCKET HEAD CAP SCREW	2
7B	1800570	1/2" LOCK WASHER	1
7C	1803228	TORQUE LUG	1
8	8702697	SOCKET HEAD CAP SCREW	1
8A	8703616	BEARING	1
9	8703617	MOUNTING PLATE	1
10	8702701	SLEEVE ASSEMBLY	1
11	8702702	RETAINER PLATE	1
12	8702703	TFE SEAL	7
13	8702704	O-RING	7
14	8702705	O-RING	2
15	8702706	NYLON WASHER	2
16	8702707	SOCKET HEAD CAP SCREW	3
-----			-----

SWINGMASTER CORPORATION
11415 MELROSE AVENUE
FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



FRONT VIEW

TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONS +/- 3 PLACE DECIMALS +/- 2 PLACE DECIMALS +/- 1 PLACE DECIMALS +/- ANGLES SIZE SWINGMASTER SPECIFICATION G-1 FOR TOLERANCES NOT SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE DRAWING SCALE: 1/1	SWINGMASTER CORPORATION 11415 MELOSE AVENUE FRANKLIN PARK, ILLINOIS 60131	
	HYD. SWIVEL ASSEMBLY	
	MODEL 361	
	DRAWN BY: R.M. DATE: 9-3-96	DRAWING NO. SHEET 1 OF 2 D-705

MACHINE	SECTION	20
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	

ASSEMBLY
NUMBER

DESCRIPTION

1805454

SWIVEL ASS'Y - MODEL 361

ITEM PART NO. NUMBER	DESCRIPTION	QTY. USED
002	1805455 SWIVEL CORE	1.00
003	1805456 HYD. SECTION BARREL WLDM'T	1.00
004	1805457 AIR SECTION BARREL WLDM'T	1.00
005	1805458 PLATE	1.00
006	1805459 CAP	1.00
007	1805460 TEFLON PISTON SEAL	7.00
008	1805461 TEFLON PISTON SEAL	11.00
009	1805462 INSULATING RING	2.00
010	1805463 INSULATING RING	1.00
011	1805464 O-RING	2.00
012	1805465 O-RING	2.00
013	1805466 SPACER	1.00
014	1805467 BAR	1.00
015	1805471 S.H.C.S. 1/2-13X2-1/4"LG	1.00
016	1800517 HEX NUT 1/2-13	1.00
017	1805472 S.H.C.S. 1/2-13X1-1/2"LG *	1.00
018	1805468 H.S.B.H.C.S. 3/8-16X7/8"LG.	4.00
019	1805473 S.H.C.S. 5/16-18X7/8"LG	3.00
020	1805474 BEARING	1.00
021	1805469 PLUG 1/4-18 NPTF	6.00
022	1805470 PLUG 3/4-14 NPTF	8.00
023	1800570 1/2" LOCK WASHER	1.00
024	1803920 HEX JAM NUT 1/2-13	1.00

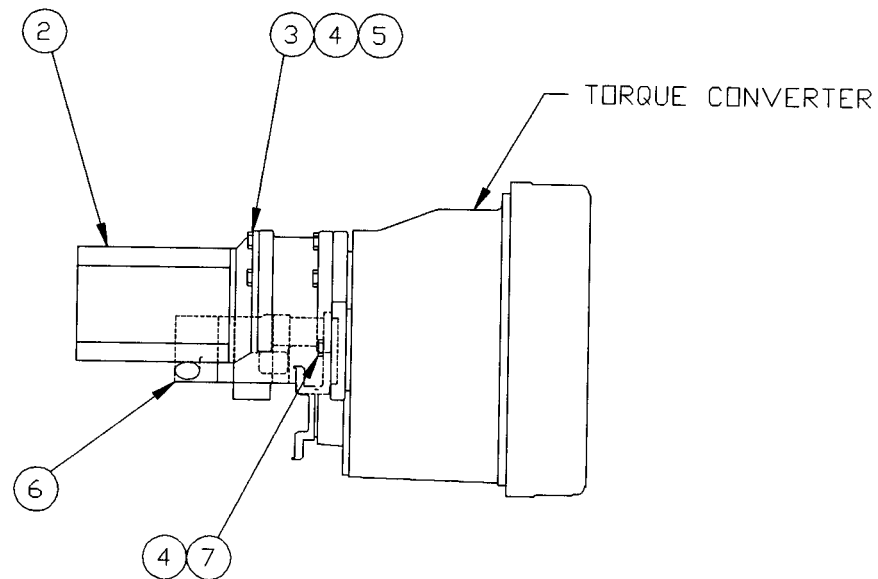
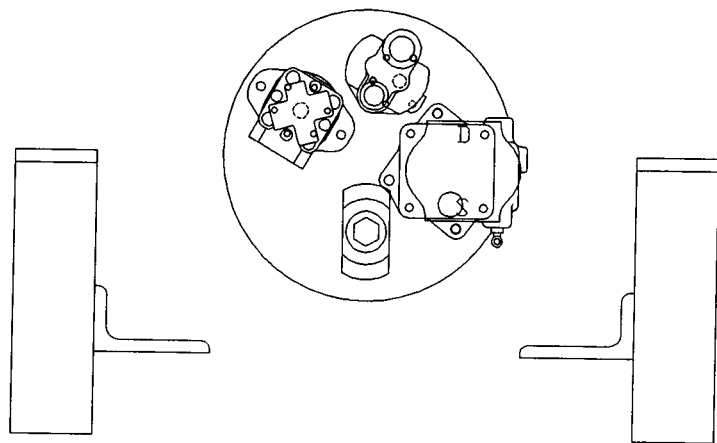
* FOR MACHINE SERIAL NUMBERS 96361L0011 TO CURRENT.

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



1 INSTALLATION

TOLERANCES		SWINGMASTER CORPORATION	
UNLESS OTHERWISE SPECIFIED		11415 MELROSE AVENUE	
FRACTIONS +/-		FRANKLIN PARK, ILLINOIS 60131	
3 PLACE DECIMALS +/-		HYDRAULIC PUMPS INSTALLATION	
2 PLACE DECIMALS +/-			
1 PLACE DECIMALS +/-			
ANGLES			
SEE SWINGMASTER SPECIFICATION			
G-1 FOR TOLERANCES NOT SPECIFIED			
DIMENSIONS ARE IN INCHES		DRAWN BY: B.W.	
DO NOT SCALE DRAWING		DATE: 9-14-88	
SCALE:		DRAWING NO.	
		C-116	

1	4-5-90
REV.NO.	DATE

SWINGMASTER CORPORATION
PARTS BOOK

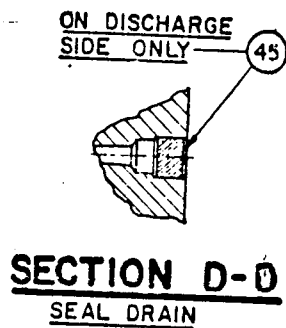
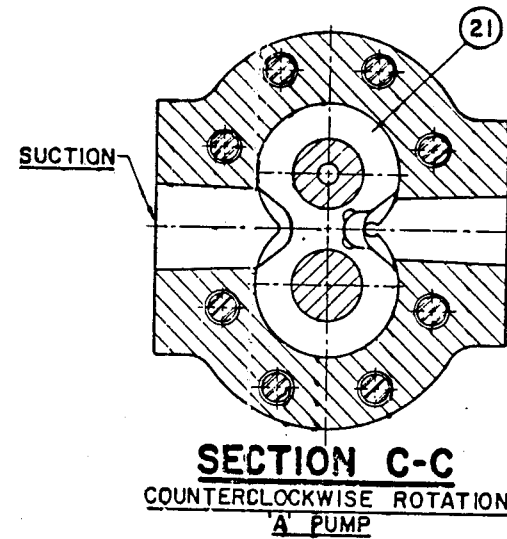
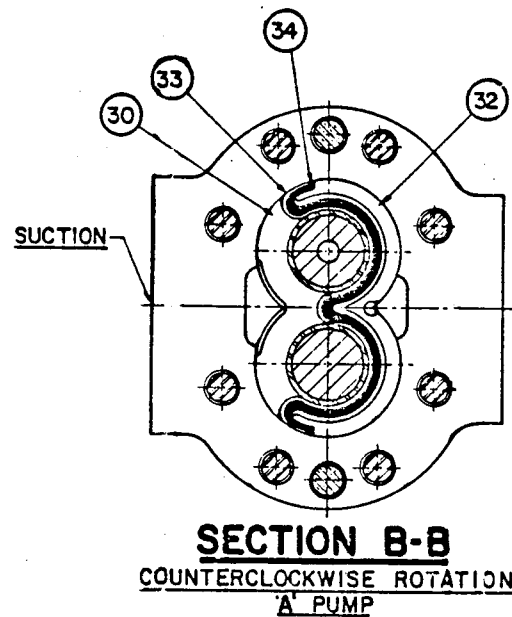
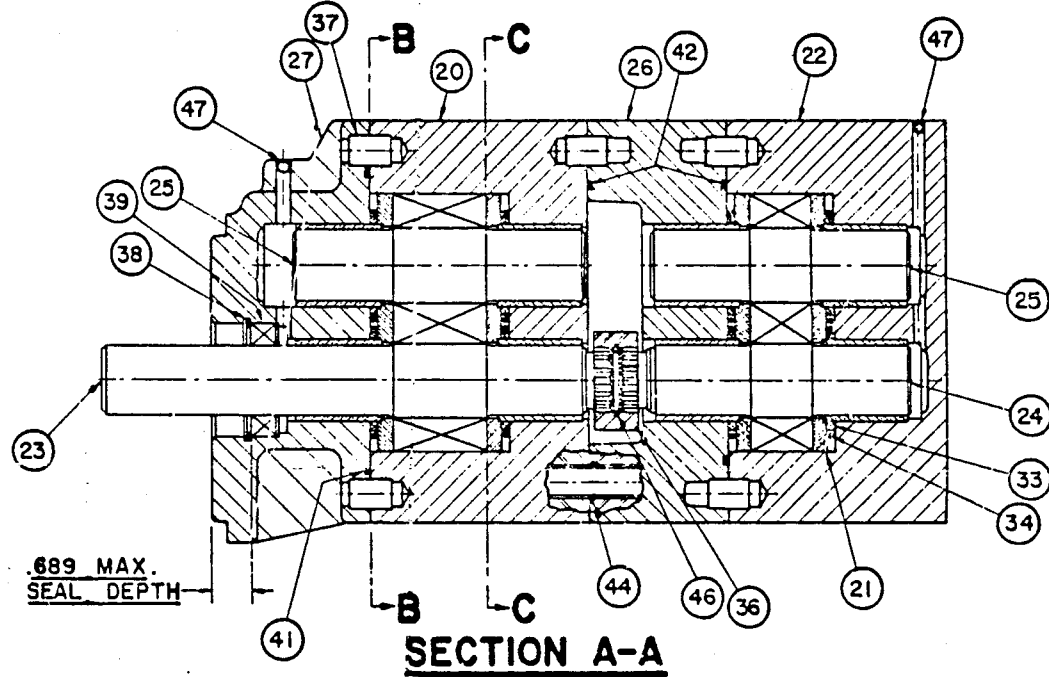
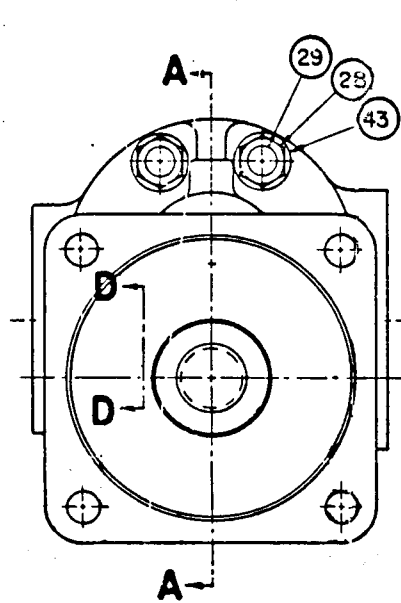
MACHINE	SECTION	20
-----	-----	-----
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	
-----	-----	-----

ASSEMBLY	DESCRIPTION
NUMBER	
-----	-----
1802065	HYDRAULIC PUMPS INSTALLATION
-----	-----

ITEM PART	QTY.
NO. NUMBER DESCRIPTION	USED
-----	-----
2a FOR MACHINE SERIAL NUMBERS 88361L0001 TO 90361L0005	
1800121 HYDRAULIC PUMP - DOUBLE - BOOM & HI-RAIL 1	
2b FOR MACHINE SERIAL NUMBERS 90361L0006 TO CURRENT	
1803381 MAIN HYDRAULIC PUMP	1
3 1800509 R/H THREAD STUD 1/2-13 X 1 3/4" LONG	4
4 1800570 1/2" LOCK WASHER	6
5 1800517 HEX NUT 1/2-13	4
6 1800120 HYDRAULIC PUMP - DOUBLE - STEER & PILOT	1
7 1800471 H.H.C.S. 1/2-13 X 1 1/2" LONG	2
-----	-----

SWINGMASTER CORPORATION
11415 MELROSE AVENUE
FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



SWINGMASTER CORPORATION

PARTS BOOK

MACHINE	SECTION	20
-----	-----	-----
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	
SERIAL NUMBERS	-----	-----
88361L0001 TO 90361L0005		

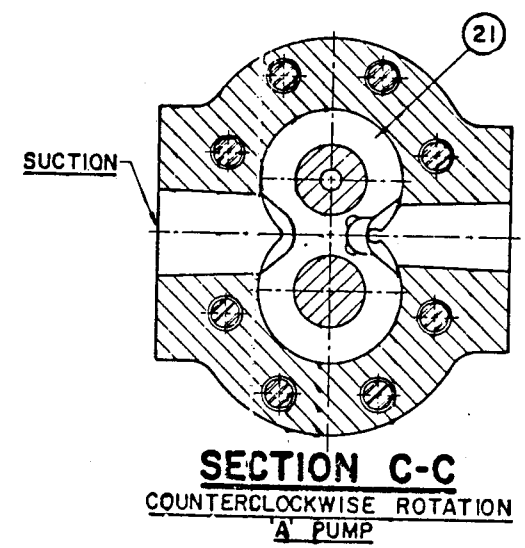
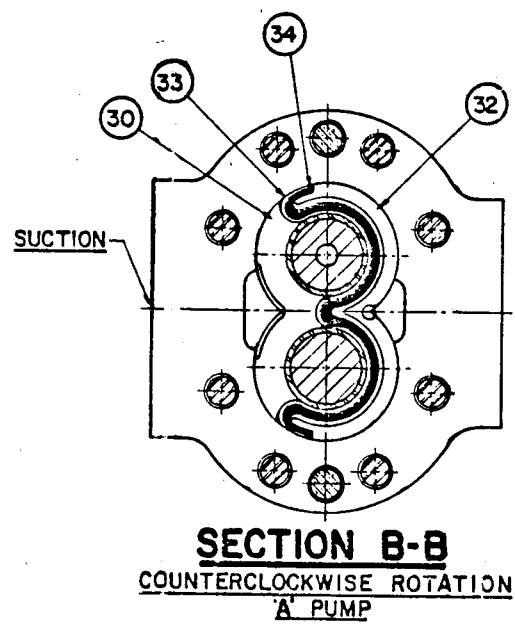
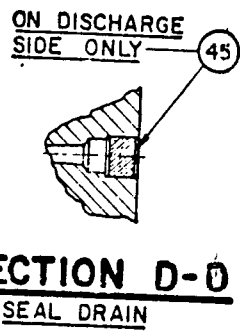
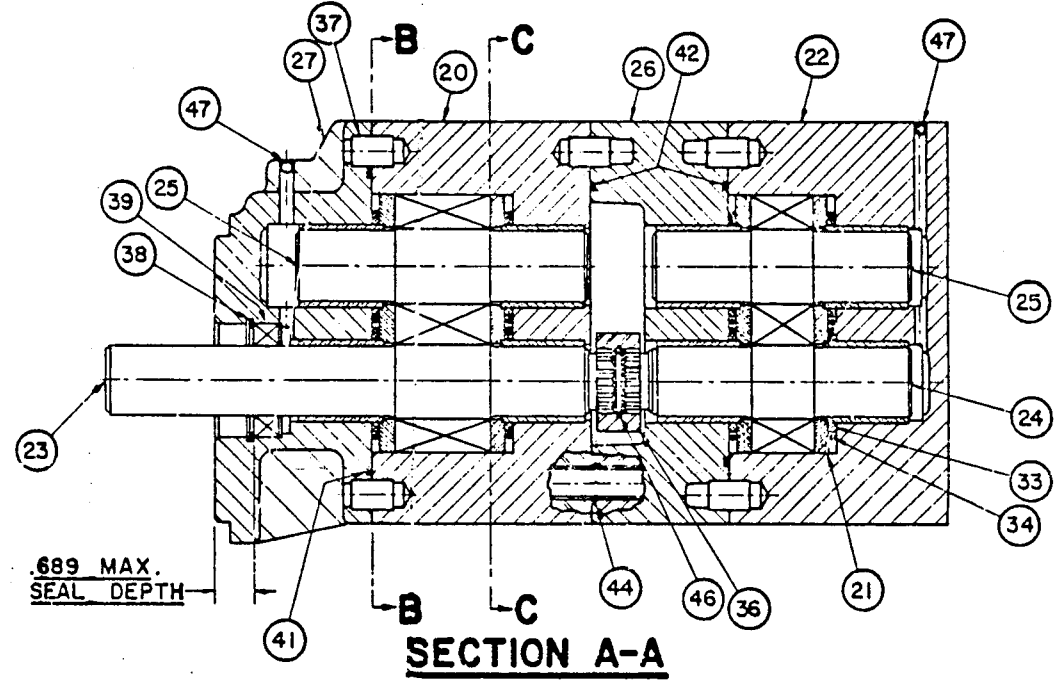
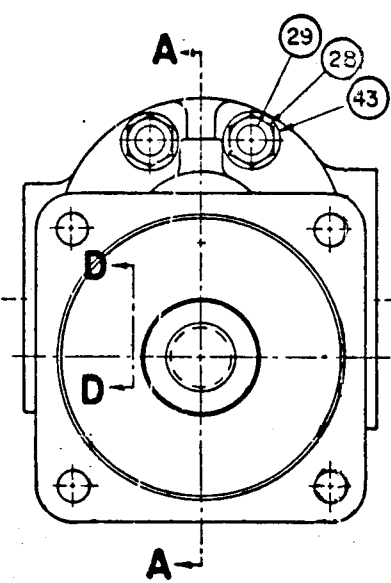
ASSEMBLY NUMBER	DESCRIPTION
-----	-----
1800121	HYDRAULIC PUMP - DOUBLE - BOOM & HI-RAIL
-----	-----

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. USED
20	8700753	FRONT BODY	1
	8702093	BUSHING (FOR USE WITH ITEM 20)	2
21	8700754	PRESSURE PLATE	1
22	8700755	REAR BODY	1
	8702094	BUSHING (FOR USE WITH ITEM 22)	2
23	8700756	FRONT DRIVE GEARS	2
24	8700757	REAR DRIVE GEARS	2
25	8700758	IDLER GEAR - REAR SECTION	1
25	8700759	IDLER GEAR - FRONT SECTION	1
26	8700760	BEARING PLATE	1
	8702094	BUSHING (FOR USE WITH ITEM 26)	2
27	8700761	FLANGE	1
	8702093	BUSHING (FOR USE WITH ITEM 27)	2
28	8700762	NUT	8
29	8700763	STUD	8
30	8700764	ISOLATION PLATE - TOP	2
31	8700765	ISOLATION PLATE - BOTTOM	2
32	8700766	RING RETAINER	4
33	8700767	BACK-UP RING	4
34	8700768	O-RING	4
35	8700769	SPLINE COUPLING	1
36	8700770	DOWEL	6
38	1800771	SNAP RING	1
39	8700772	SEAL	1

PAGE 1 OF 2

SWINGMASTER CORPORATION
11415 MELROSE AVENUE
FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



SWINGMASTER CORPORATION

PARTS BOOK

MACHINE	SECTION	20
-----	-----	-----
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	
SERIAL NUMBERS	-----	
88361L0001 TO 90361L0005		

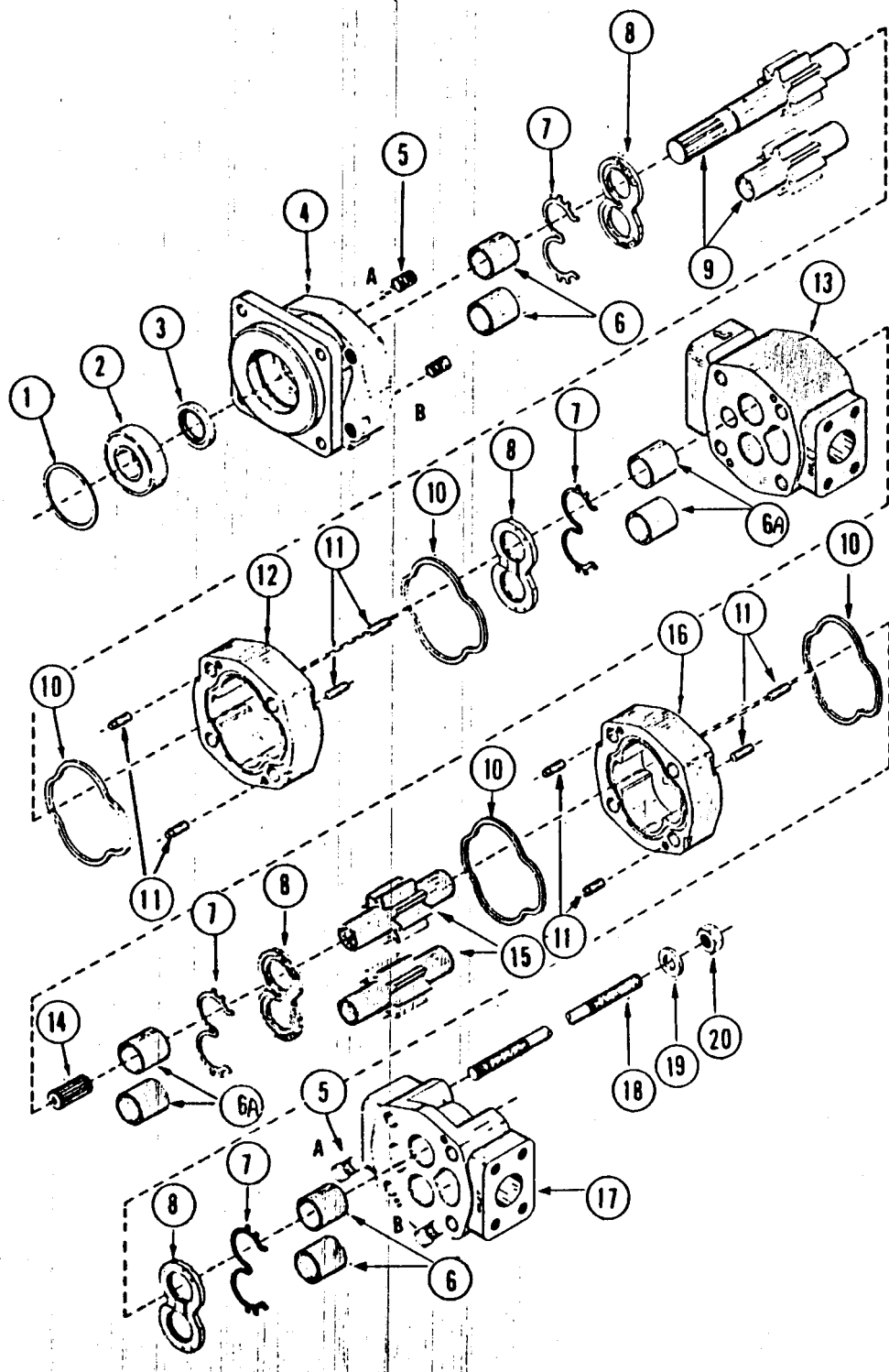
ASSEMBLY NUMBER	DESCRIPTION
-----	-----
1800121	HYDRAULIC PUMP - DOUBLE - BOOM & HI-RAIL
-----	-----

ITEM PART NO. NUMBER DESCRIPTION	QTY. USED
-----	-----
41 8700773 O-RING	1
42 8700774 O-RING	1
43 8700775 WASHER	8
44 8700776 O-RING - STUD STABILIZER	8
45 8700777 PLUG	1
46 8700778 SNAP RING	1
47 8700779 BALL - 1/4" DIA.	2
8701925 SHAFT SEAL KIT	1
8701926 SOFT GOODS SERVICE KIT	1
-----	-----

PAGE 2 OF 2

SWINGMASTER CORPORATION
11415 MELROSE AVENUE
FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



SWINGMASTER CORPORATION

PARTS BOOK

MACHINE	SECTION	20
-----	-----	-----
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	
SERIAL NUMBERS	-----	
90361L0006 TO CURRENT		

 ASSEMBLY
 NUMBER

DESCRIPTION

1803381

MAIN HYDRAULIC PUMP

ITEM PART		QTY.
NO. NUMBER DESCRIPTION		USED

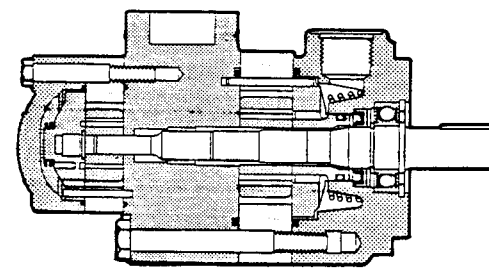
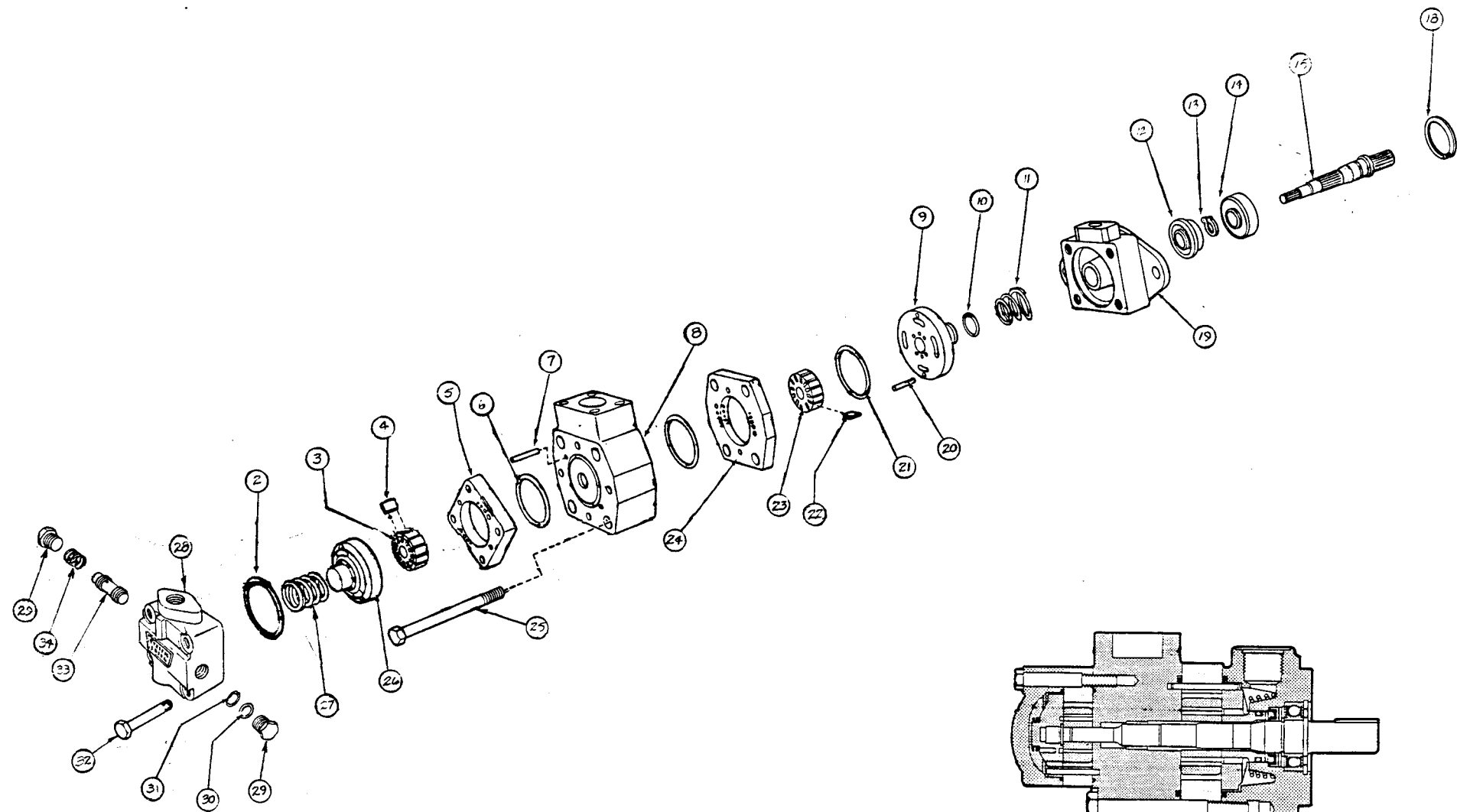
1		NOT USED ON THIS MODEL	
2		NOT USED ON THIS MODEL	
3	8703353	LIP SEAL	1
4	8703351	SHAFT END COVER	1
5	8703354	PLUG - FOR POSITION A	1
6	8703352	BUSHING	4
6a	8703363	BUSHING	4
7	8703358	CHANNEL SEAL	4
8	8703357	THRUST PLATE	4
9	8703361	INTERGRAL DRIVE SHAFT & GEAR SET	1
10	8703359	GASKET SEAL	4
11	8703360	DOWEL PINS	8
12	8703357	GEAR HOUSING	1
13	8703362	BEARING CARRIER	1
14	8703366	CONNECTING SHAFT	1
15	8703365	MATCHED GEAR SET	1
16	8703364	GEAR HOUSING	1
17	8703355	PORT END COVER	1
18	8703429	STUD	4
19	8703430	WASHER	4
20	8703431	NUT	4

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



ASSEMBLY VIEW

SWINGMASTER CORPORATION

PARTS BOOK

MACHINE

SECTION

20

MODEL 361 SWINGLOADER

HYDRAULIC SYSTEM

ASSEMBLY
NUMBER

DESCRIPTION

1800120

HYDRAULIC PUMP - DOUBLE - STEER & PILOT

ITEM PART

NO. NUMBER DESCRIPTION

QTY.
USED

2	8700780	0-RING	1
3	8700781	ROTOR	1
4	8700782	VANE KIT (12 VANES)	1
5	8700783	RING	1
6	8700784	0-RING	1
7	8700785	PIN	2
8	8700786	BODY (INCLUDES BUSHING)	1
9	8700787	PRESSURE PLATE	1
10	8700788	0-RING	1
11	8700789	SPRING	1
12	8700790	SHAFT SEAL	1
13	8700791	RING RETAINER	1
14	8700792	BEARING	1
15	8700793	SHAFT (SPLINED)	1
18	8700794	RETAINER RING	1
19	8700795	BODY	1
20	8700796	PIN	2
21	8700797	0-RING	2
22	8700798	VANE KIT (12 VANES)	1
23	8700799	ROTOR	1
24	8700800	RING	1
25	8700801	SCREW (TORQUE TO 80 ft-lbs)	4
26	8700802	PRESSURE PLATE ASSEMBLY	1
27	8700803	SPRING	1

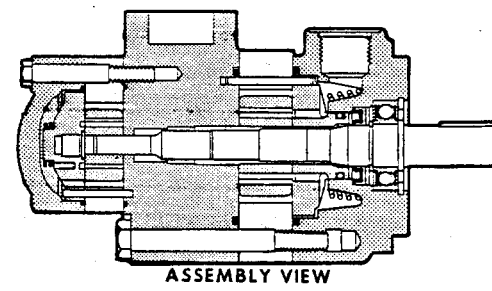
PAGE 1 OF 2

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



ASSEMBLY VIEW

SWINGMASTER CORPORATION

PARTS BOOK

MACHINE	SECTION	20
-----	-----	-----
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	
-----	-----	-----

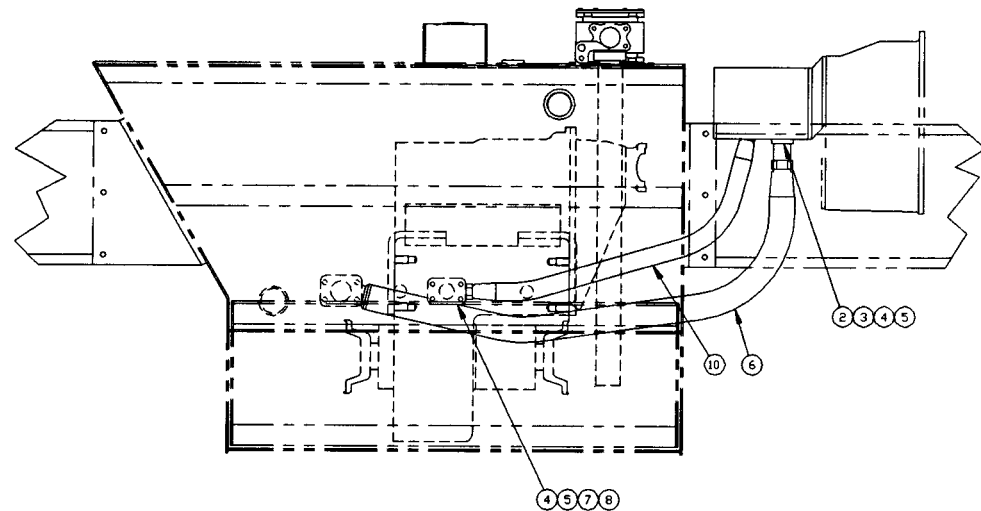
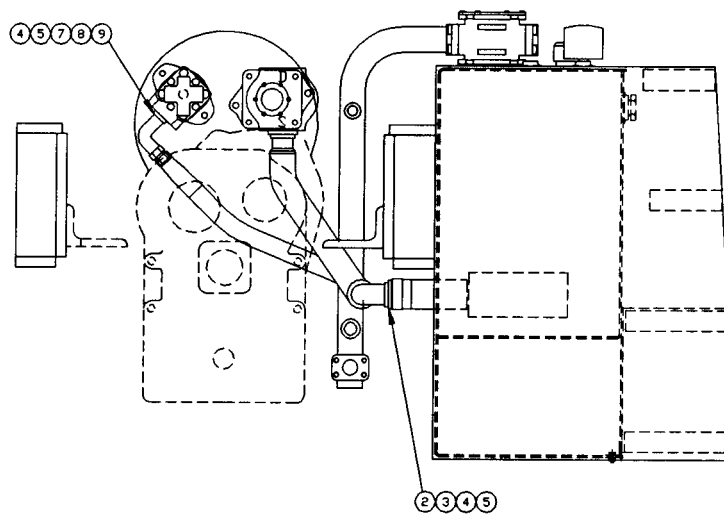
ASSEMBLY NUMBER	DESCRIPTION
-----	-----
1800120	HYDRAULIC PUMP - DOUBLE - STEER & PILOT
-----	-----

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. USED
-----	-----	-----	-----
28	8700804	COVER	1
29	8700805	PLUG	2
30	8700806	O-RING	2
31	8700807	SNAP RING	1
32	8700808	SCREW (TORQUE TO 40 ft-lbs)	4
34	8700809	SPRING	1
	8700810	CARTRIDGE KIT - INCLUDES ITEMS 2,3,4,5,6	
	8700811	CARTRIDGE KIT - INCLUDES ITEMS 21,22,23,24	
	8700812	CONTROL VALVE SUB-ASSEMBLY - INCLUDES ITEMS 33,34,35	
	8700813	SEAL KIT - INCLUDES ITEMS 2,6,10,12,21,30	

PAGE 2 OF 2

SWINGMASTER CORPORATION
11415 MELROSE AVENUE
FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



1 INSTALLATION

TOLERANCES	SWINGMASTER CORPORATION
UNLESS OTHERWISE SPECIFIED FRACTIONS +/- 3 PLACE DECIMALS +/- 2 PLACE DECIMALS +/- 1 PLACE DECIMALS +/- ANGLES SEE SWINGMASTER SPECIFICATION G-1 FOR TOLERANCES NOT SPECIFIED	11415 MELROSE AVENUE FRANKLIN PARK, ILLINOIS 60131
DIMENSIONS ARE IN INCHES DO NOT SCALE DRAWING SCALE:	MAIN HYDRAULIC SUCTION LINES & FITTINGS
	MODEL 351
	DRAWN BY: B.W.
	DATE: 2-16-89
	DRAWING NO. D-235

SWINGMASTER CORPORATION

PARTS BOOK

MACHINE

SECTION

20

MODEL 361 SWINGLOADER

HYDRAULIC SYSTEM

ASSEMBLY
NUMBER

DESCRIPTION

1802332

MAIN HYDRAULIC SUCTION LINES & FITTINGS

ITEM PART

NO. NUMBER DESCRIPTION

QTY.
USED

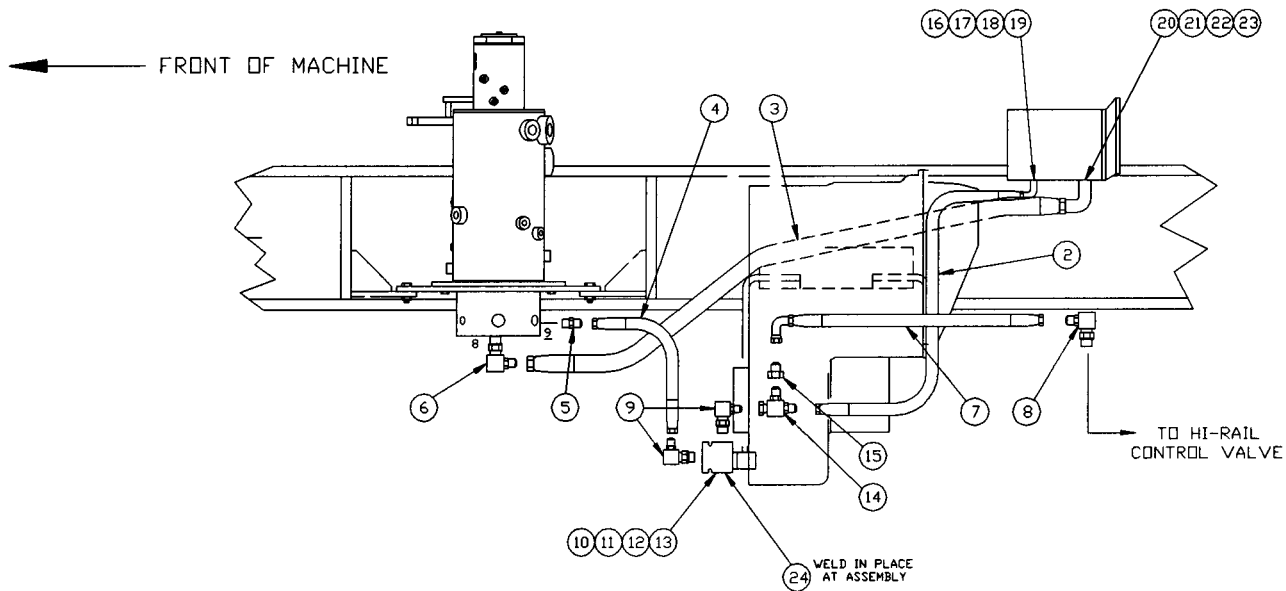
2	1800822	2" O-RING FOR SPLIT FLANGE HEAD	2.00
3	1800827	2" SPLIT FLANGE CLAMP HALF	4.00
4	1801343	12 POINT FLANGED SCREW 1/2-13 X 1 1/4 LG	16.00
5	1800570	1/2" LOCK WASHER	16.00
6	1802338	HOSE ASSEMBLY 2661-32	1.00
7	1800821	1 1/2" O-RING FOR SPLIT FLANGE HEAD	2.00
8	1800826	1 1/2" SPLIT FLANGE CLAMP HALF	4.00
9	1802340	90 DEG-1 1/2 SPLIT FLANGE TO 1 1/2-M TBE	1.00
10	1802532	HOSE ASSEMBLY - 1503-24	1.00

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



TOLERANCES		SWINGMASTER CORPORATION	
UNLESS OTHERWISE SPECIFIED		11415 MELROSE AVENUE	
FRACTIONS +/-		FRANKLIN PARK, ILLINOIS 60131	
3 PLACE DECIMALS +/-		MAIN HYDRAULIC PUMP PRESSURE LINES &	
2 PLACE DECIMALS +/-		FITTINGS AND TRANSFER VALVE INSTL (LOWER)	
1 PLACE DECIMALS +/-		MODEL 361	
ANGLES		DRAWN BY: B.W.	
SEE SWINGMASTER SPECIFICATION		DATE: 2-15-89	
0-1 FOR TOLERANCES NOT SPECIFIED		DRAWING NO.	
DIMENSIONS ARE IN INCHES		D-236	
DO NOT SCALE DRAWING			
SCALE:			

MACHINE	SECTION	20
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	

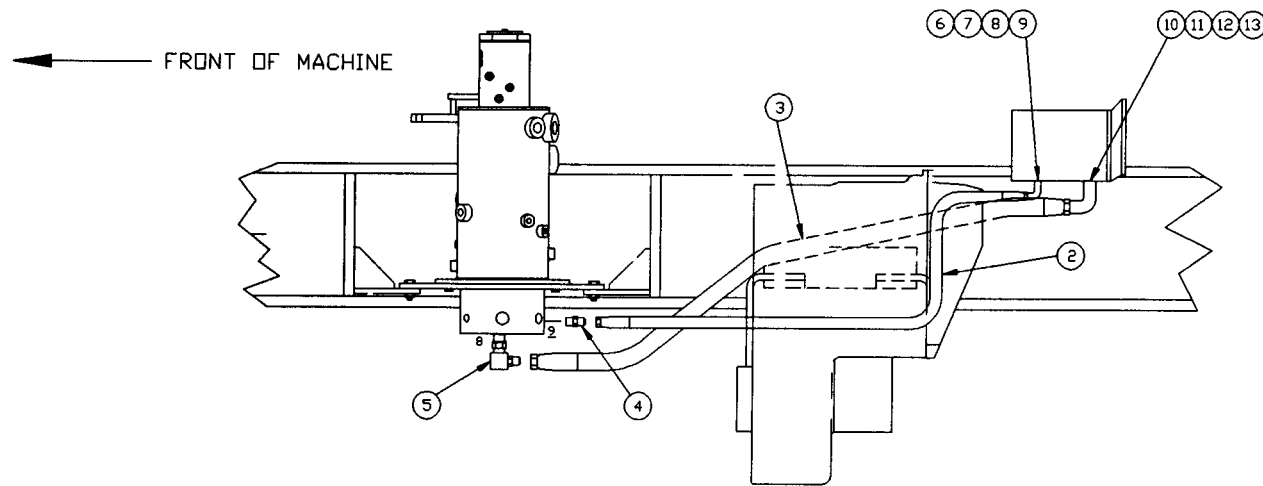
ASSEMBLY
NUMBER

DESCRIPTION

1802333

MAIN PUMP PRESSURE L & F - LOWER

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. USED
2	1802341	HOSE ASSEMBLY 2781-12	1.00
3	1802342	HOSE ASSEMBLY FC250A-20	1.00
4	1802343	HOSE ASSEMBLY 2781-12	1.00
5	1802345	45 DEG MALE ELBOW 3/4 TUBE TO 1 0-RING	1.00
6	1802326	90 DEG MALE ELBOW 1 1/2 ORG TO 1 1/4 TBE	1.00
7	1802537	HOSE ASSEMBLY 2781-8	1.00
8	1800796	90 DEG MALE ELBOW 1/2 0-RING TO 1/2 TUBE	1.00
9	1802328	90 DEG MALE ELBOW 1 0-RING TO 3/4 TUBE	1.00
10	1802347	SOLENOID CARTRIDGE VALVE	1.00
11	1802348	CARTRIDGE VALVE BODY	1.00
12	1802349	H.H.C.S. 5/16-18 X 2 1/4" LONG	2.00
13	1800074	5/16" LOCK WASHER	2.00
14	1800861	3/4 TUBE RUN TEE M-F SWIVEL-M	1.00
15	1802380	STRAIGHT TUBE ADAPTER 1/2-M TO 3/4-F	1.00
16	1800817	3/4" 0-RING FOR SPLIT FLANGE HEAD	1.00
17	1800823	3/4" SPLIT FLANGE CLAMP HALF	2.00
18	1800867	12 POINT FLANGED SCREW 3/8-16 X 1 1/4 LG	4.00
19	1800568	3/8" LOCK WASHER	4.00
20	1800820	1 1/4" 0-RING FOR SPLIT FLANGE HEAD	1.00
21	1800825	1 1/4" SPLIT FLANGE CLAMP HALF	2.00
22	1800869	12 POINT FLANGED SCREW 7/16-14X 1 1/4 LG	4.00
23	1800569	7/16" LOCK WASHER	4.00
24	1802536	MOUNTING BLOCK	1.00



TOLERANCES
 UNLESS OTHERWISE SPECIFIED
 FRACTIONS +/-
 3 PLACE DECIMALS +/-
 2 PLACE DECIMALS +/-
 1 PLACE DECIMALS +/-
 ANGLES
 SEE SWINGMASTER SPECIFICATION
 C-1 FOR TOLERANCES NOT SPECIFIED
 DIMENSIONS ARE IN INCHES
 DO NOT SCALE DRAWING
 SCALE:

SWINGMASTER CORPORATION
 11415 MELROSE AVENUE
 FRANKLIN PARK, ILLINOIS 60131

MAIN HYDRAULIC PUMP PRESSURE LINES &
 FITTINGS - W/O HI-RAIL

MODEL 361

DRAWN BY: B.W.
 DATE: 10-29-90

DRAWING NO.

D1-236

SWINGMASTER CORPORATION

PARTS BOOK

MACHINE

SECTION

20

MODEL 361 SWINGLOADER

HYDRAULIC SYSTEM

ASSEMBLY
NUMBER

DESCRIPTION

1804294

MAIN PUMP PRESSURE LINES & FITTINGS

ITEM PART

NO. NUMBER DESCRIPTION

QTY.
USED

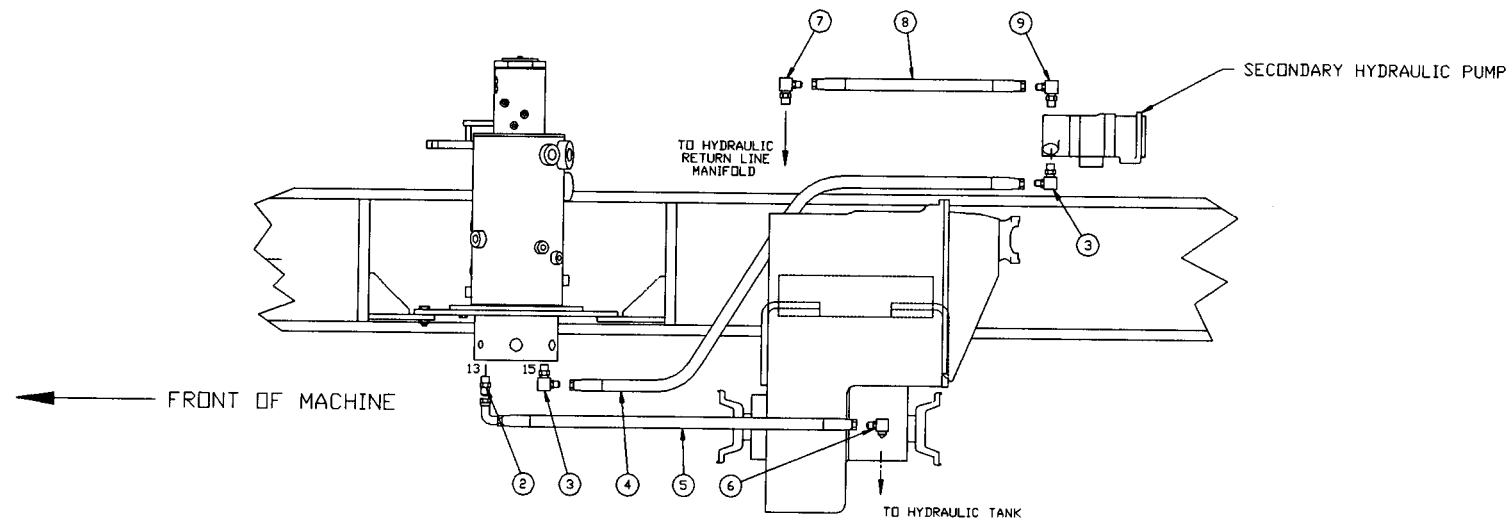
2			1.00
3	1802342	HOSE ASSEMBLY FC250A-20	1.00
4	1802345	45 DEG MALE ELBOW 3/4 TUBE TO 1 0-RING	1.00
5	1802326	90 DEG MALE ELBOW 1 1/2 ORG TO 1 1/4 TBE	1.00
6	1800817	3/4" 0-RING FOR SPLIT FLANGE HEAD	1.00
7	1800823	3/4" SPLIT FLANGE CLAMP HALF	2.00
8	1800867	12 POINT FLANGED SCREW 3/8-16 X 1 1/4 LG	4.00
9	1800568	3/8" LOCK WASHER	4.00
10	1800820	1 1/4" 0-RING FOR SPLIT FLANGE HEAD	1.00
11	1800825	1 1/4" SPLIT FLANGE CLAMP HALF	2.00
12	1800869	12 POINT FLANGED SCREW 7/16-14X 1 1/4 LG	4.00
13	1800569	7/16" LOCK WASHER	4.00

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



1 INSTALLATION

TOLERANCES		SWINGMASTER CORPORATION	
UNLESS OTHERWISE SPECIFIED		11415 MELROSE AVENUE	
FRACTIONS +/-		FRANKLIN PARK, ILLINOIS 60131	
3 PLACE DECIMALS +/-		SECONDARY PUMP PRESSURE & RETURN	
2 PLACE DECIMALS +/-		LINES & FITTINGS - H.R.C. LOWER	
1 PLACE DECIMALS +/-		MODEL 361	
ANGLES		DRAWN BY: J.V.	
SEE SWINGMASTER SPECIFICATION		DATE: 1-16-89	
G-1 FOR TOLERANCES NOT SPECIFIED		DRAWING NO.	
DIMENSIONS ARE IN INCHES		D-242	
DO NOT SCALE DRAWING			
SCALE:			

MACHINE	SECTION	20
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	

ASSEMBLY
NUMBER

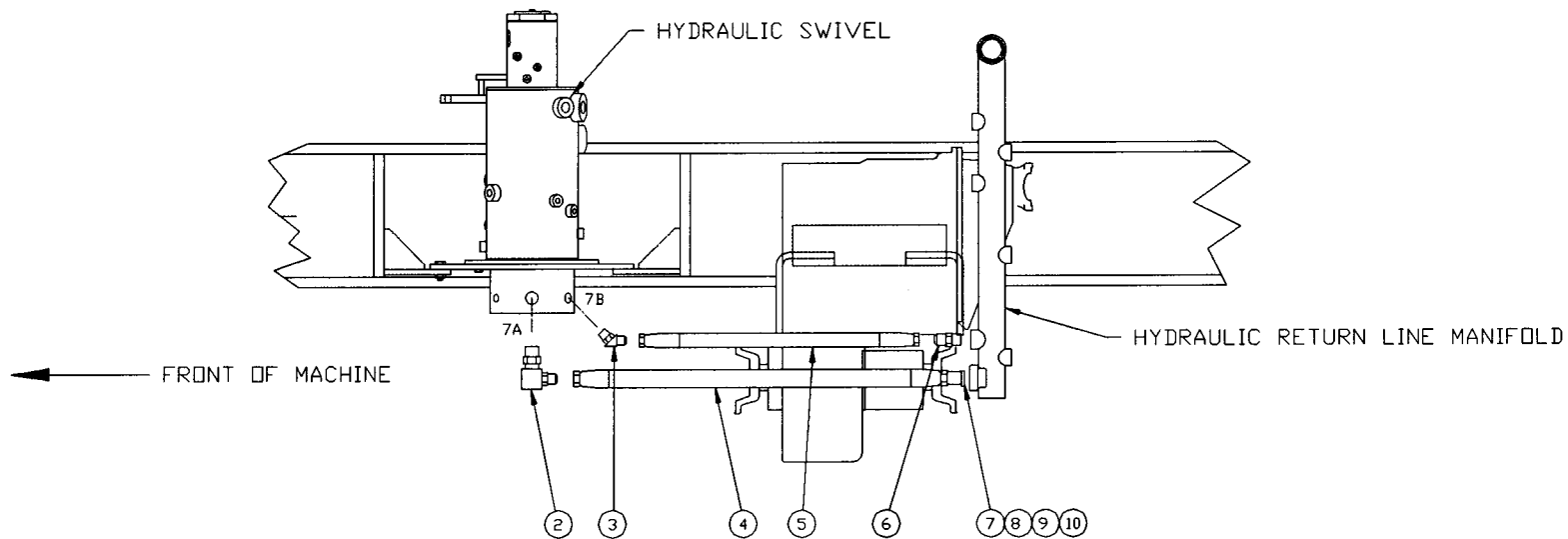
DESCRIPTION

1802335

SECONDARY PUMP L & F - LOWER (H.R.C.)

ITEM PART	QTY.
NO. NUMBER DESCRIPTION	USED

2	1800768	STRAIGHT MALE 5/8 0-RING TO 3/4 TUBE	1.00
3	1800796	90 DEG MALE ELBOW 1/2 0-RING TO 1/2 TUBE	2.00
4	1801911	HOSE ASSEMBLY 1503-8	1.00
5	1802397	HOSE ASSEMBLY 1503-10	1.00
6	1800785	90 DEG MALE ELBOW 1/2 PIPE TO 5/8 TUBE	1.00
7	1802358	90 DEG MALE ELBOW 3/4 0-RING TO 5/8 TUBE	1.00
8	1802356	HOSE ASSEMBLY 1503-10	1.00
9	1800797	90 DEG MALE ELBOW 1/2 0-RING TO 5/8 TUBE	1.00



1 INSTALLATION

TOLERANCES		SWINGMASTER CORPORATION	
UNLESS OTHERWISE SPECIFIED		11415 MELROSE AVENUE	
FRACTIONS +/-		FRANKLIN PARK, ILLINOIS 60131	
3 PLACE DECIMALS +/-		MAIN HYDRAULIC RETURN LINES &	
2 PLACE DECIMALS +/-		FITTINGS INSTALLATION - LOWER	
1 PLACE DECIMALS +/-		MODEL 361	
ANGLES		DRAWN BY: S.V.	
SEE SWINGMASTER SPECIFICATION		DATE: 12-22-69	
0-1 FOR TOLERANCES NOT SPECIFIED		DRAWING NO.	
DIMENSIONS ARE IN INCHES		D-239	
DO NOT SCALE DRAWING			
SCALE:			

SWINGMASTER CORPORATION

PARTS BOOK

MACHINE

SECTION

20

MODEL 361 SWINGLOADER

HYDRAULIC SYSTEM

ASSEMBLY
NUMBER

DESCRIPTION

1802334

MAIN HYDRAULIC RETURN LINES & FITTINGS

ITEM PART

NO. NUMBER DESCRIPTION

QTY.

USED

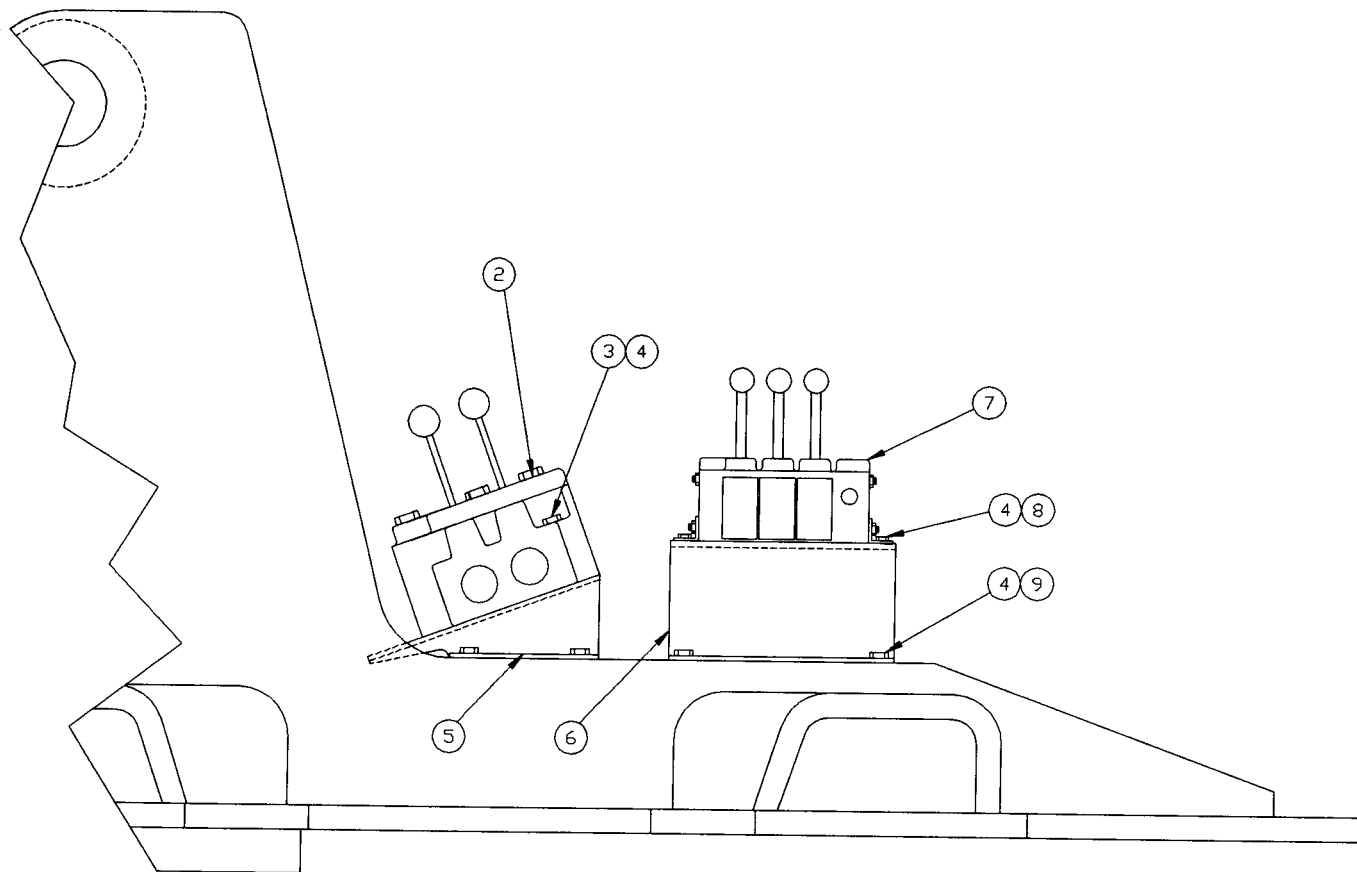
2	1802352	90 DEG MALE ELBOW 1 1/2 ORG TO 1 1/2	TBE	1.00
3	1801981	45 DEG MALE ELBOW 1 TUBE TO 1 0-RING		1.00
4	1802353	HOSE ASSEMBLY 1503-24		1.00
5	1802354	HOSE ASSEMBLY 1503-16		1.00
6	1800774	STRAIGHT MALE 1 0-RING TO 1 TUBE		1.00
7	1800821	1 1/2" 0-RING FOR SPLIT FLANGE HEAD		1.00
8	1800826	1 1/2" SPLIT FLANGE CLAMP HALF		2.00
9	1801343	12 POINT FLANGED SCREW 1/2-13 X 1 1/4	LG	4.00
10	1800570	1/2" LOCK WASHER		4.00

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



1 INSTALLATION

TOLERANCES

UNLESS OTHERWISE SPECIFIED

FRACTIONS $\pm$

3 PLACE DECIMALS $\pm$

2 PLACE DECIMALS $\pm$

1 PLACE DECIMALS $\pm$

ANGLES

SEE SWINGMASTER SPECIFICATION
G-1 FOR TOLERANCES NOT SPECIFIED

DIMENSIONS ARE IN INCHES
DO NOT SCALE DRAWING
SCALE

SWINGMASTER CORPORATION

11415 MELROSE AVENUE
FRANKLIN PARK, ILLINOIS 60131

MAIN HYDRAULIC VALVES INSTALLATION

MODEL 361

DRAWN BY: B.W.

DATE: 11-23-88

DRAWING NO.

C-131

SWINGMASTER CORPORATION

PARTS BOOK

MACHINE

SECTION

20

MODEL 361 SWINGLOADER

HYDRAULIC SYSTEM

ASSEMBLY
NUMBER

DESCRIPTION

1802157

MAIN HYDRAULIC VALVES INSTALLATION

ITEM PART

QTY.

NO. NUMBER DESCRIPTION

USED

2	1802158	MAIN HYDRAULIC CONTROL VALVE - 2 SPOOL	1.00
3	1800462	H.H.C.S. 3/8-16 X 3" LONG	3.00
4	1800568	3/8" LOCK WASHER	15.00
5	1802159	MAIN VALVE MOUNTING BRACKET	1.00
6	1802160	SECONDARY VALVE MOUNTING BRACKET	1.00
7	1802161	SECONDARY HYDRAULIC CONT. VALVE- 3 SPOOL	1.00
8	1800450	H.H.C.S. 3/8-16 X 5/8" LONG	4.00
9	1800452	H.H.C.S. 3/8-16 X 1" LONG	8.00

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224

MACHINE

SECTION

20

MODEL 361 SWINGLOADER

HYDRAULIC SYSTEM

DESCRIPTION

HYDRAULIC CONTROL VALVE - 2 SPOOL

SPOOL CONTROL (A - SIDE)

SPOOL CONTROL (B - SIDE)

MAIN RELIEF VALVE

INLET VALVE

ACCESSORIES IN PRESSURE AND TANK GALLERY

PORT RELIEF AND ANTICAVITATION VALVE

COMPLETE VALVE SEAL KIT 1804331

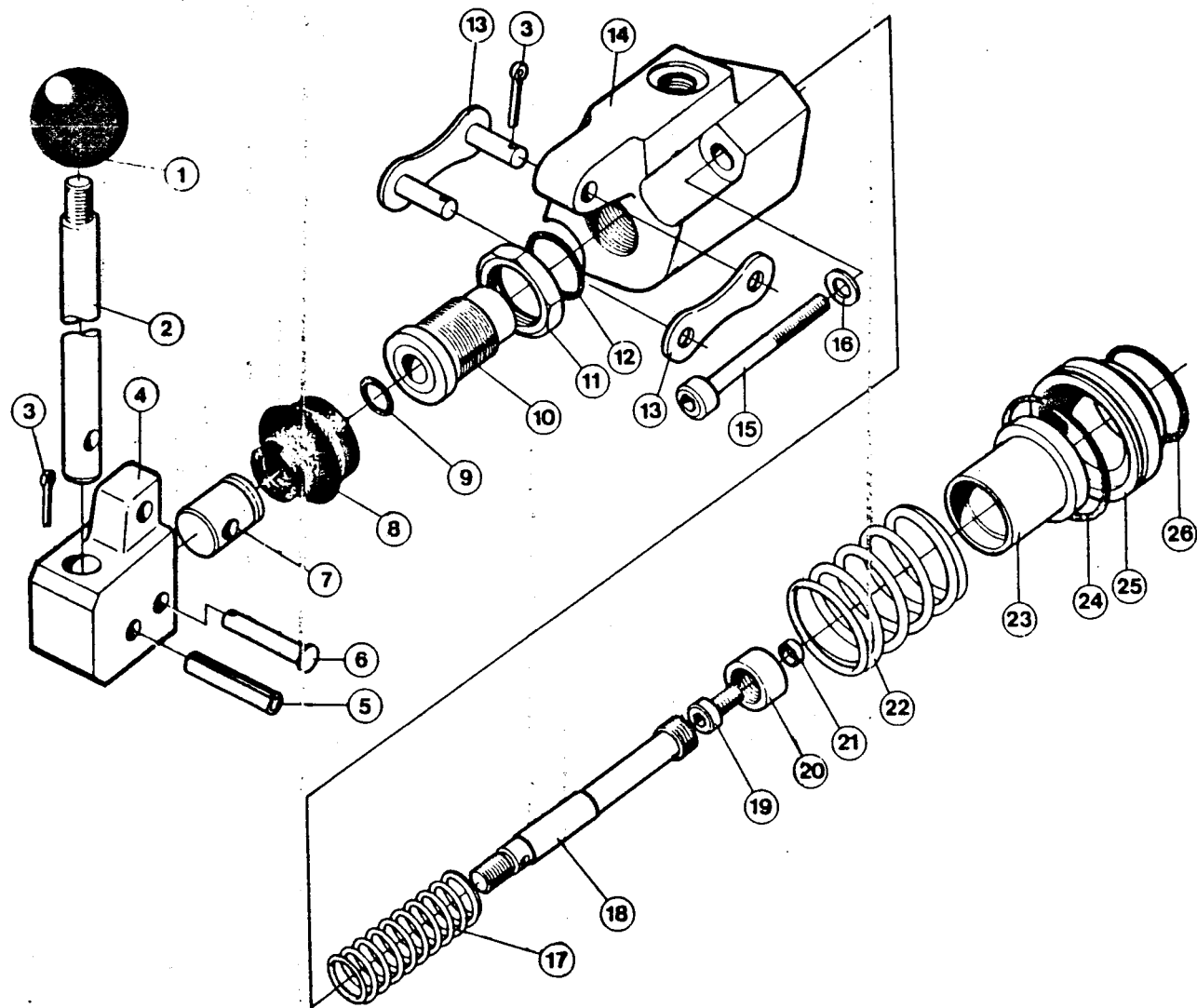
INCLUDES THE FOLLOWING SEAL KITS QTY

SPOOL CONTROL A-SIDE 1804332 2

SPOOL CONTROL B-SIDE 1804333 2

PORT RELIEF VALVE 1804334 4

MAIN RELIEF VALVE 1804335 1



SWINGMASTER CORPORATION

PARTS BOOK

MACHINE

SECTION

20

MODEL 361 SWINGLOADER

HYDRAULIC SYSTEM

ASSEMBLY
NUMBER

DESCRIPTION

1802158

HYDRAULIC CONTROL VALVE - (2
SPOOL) SPOOL CONTROL (A - SIDE)

ITEM PART
NO. NUMBER DESCRIPTION

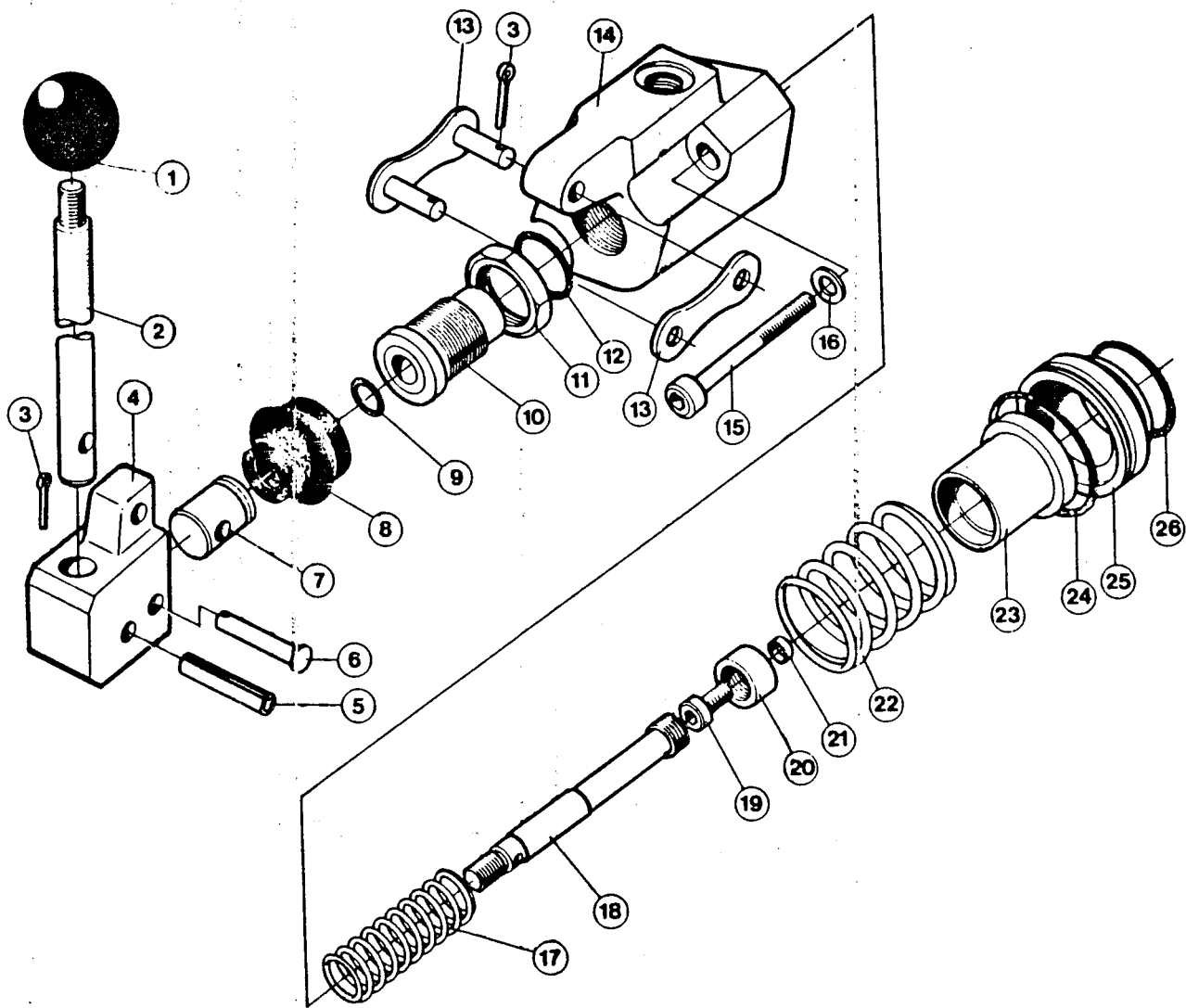
QTY.
USED

1	8700543	BALL	1
3	8700544	SPLIT PIN	5
5	8700545	ROLL PIN	1
6	8700546	BOLT	1
8	8700547	BELLOWS	1
9	8700548	TEFLON SEAL	1
11	8700549	NUT	1
12	8700550	O-RING	1
13	8700551	LINK	1
15	8700552	SCREW (TORQUE TO 9.8 N-m)	2
16	8700553	WASHER	2
17	8700554	SPRING	1
19	8700555	SCREW	1
22	8700556	SPRING	1
24	8700557	O-RING	1
26	8700558	O-RING	1
	8703239	DPC SPOOL - SECTION 1	1
	8703240	DPC SPOOL - SECTION 2	1
	1804332	SPOOL CONTROL SEAL KIT INUCLUDES ITEMS 8,9,12,24,26	2

PAGE 1 OF 2

SWINGMASTER CORPORATION
11415 MELROSE AVENUE
FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



SWINGMASTER CORPORATION

PARTS BOOK

MACHINE

SECTION

20

MODEL 361 SWINGLOADER

HYDRAULIC SYSTEM

ASSEMBLY
NUMBER

DESCRIPTION

1802158

HYDRAULIC CONTROL VALVE - (2
SPOOL) SPOOL CONTROL (A - SIDE)

ITEM PART

QTY.

NO. NUMBER DESCRIPTION

USED

8700559 SPRING (125 1/min.)
INCLUDES ITEMS 17,22,23

8700560 CYLINDER - INCLUDES ITEMS 8,9,10,11,
12,14,15 (2pcs) ,16 (2pcs) ,24,25,26

8700561 ADJUSTABLE DEVICE - INCLUDES
ITEMS 7*,18**,19,20,21

8700562 LEVER - INCLUDES ITEMS 1,2,3 (3pcs) ,
4,5,6,13

* TORQUE TO 12.5 N-m, LOCK WITH LOCKTITE
** TORQUE TO 15.0 N-m, LOCK WITH LOCKTITE

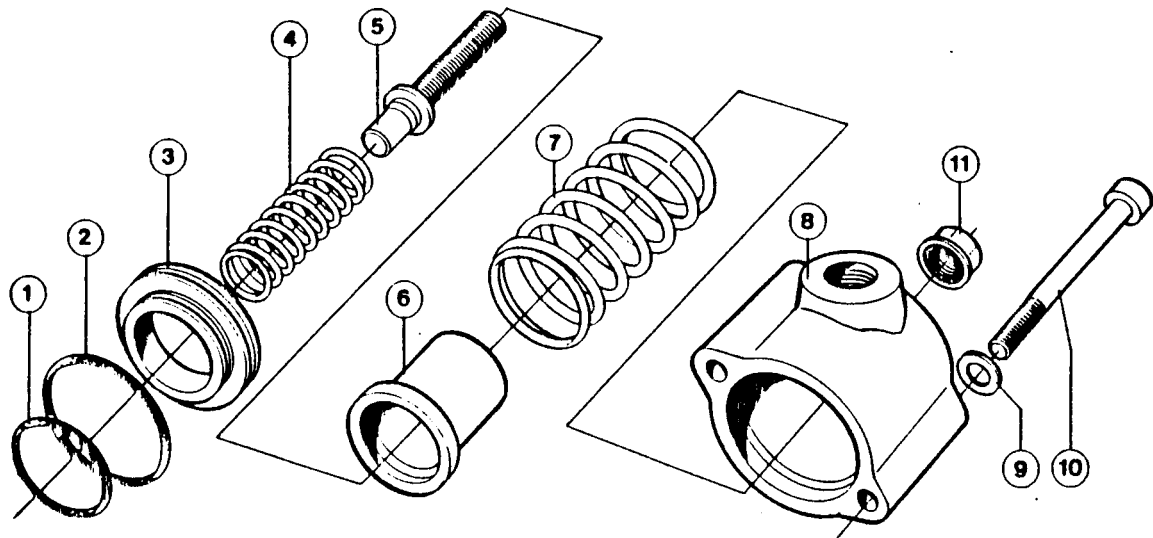
PAGE 2 OF 2

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



SWINGMASTER CORPORATION

PARTS BOOK

MACHINE _____ SECTION _____ 20

HYDRAULIC SYSTEM

MODEL 361 SWINGLOADER

ASSEMBLY
NUMBER

1802158

DESCRIPTION

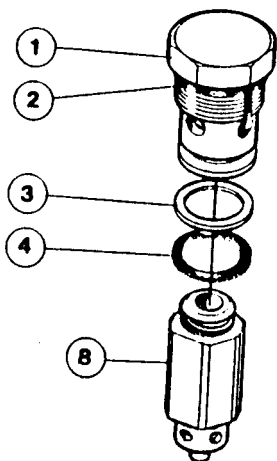
HYDRAULIC CONTROL VALVE - (2 SPOOL)
SPOOL CONTROL (B - SIDE)

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. USED
1	8700417	O-RING	1
2	8700418	O-RING	1
4	8700419	SPRING	1
7	8700420	SPRING	1
9	8700421	WASHER	1
10	8700422	SCREW	2
11	8700423	NUT	2
	8700424	SPRING CPL. - 125 1/min. INCLUDES ITEMS 4,6,7	1
	8700425	CAP CPL. - INCLUDES ITEMS 1,2,3,5,8, 9 (2pcs) ,10 (2pcs) ,11	
	1804334	SPOOL CONTROL B-SIDE SEAL KIT INCLUDES ITEMS 1,2	2

NOTE: QUANTITIES ARE PER VALVE SECTION
2 - SECTIONS PER VALVE

SWINGMASTER CORPORATION
11415 MELROSE AVENUE
FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



SWINGMASTER CORPORATION

PARTS BOOK

MACHINE _____ SECTION _____ 20

MODEL 361 SWINGLOADER _____

HYDRAULIC SYSTEM

ASSEMBLY
NUMBER

DESCRIPTION

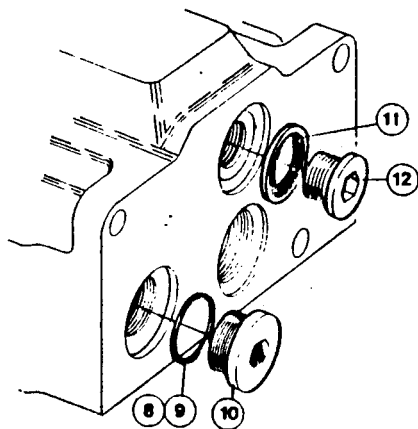
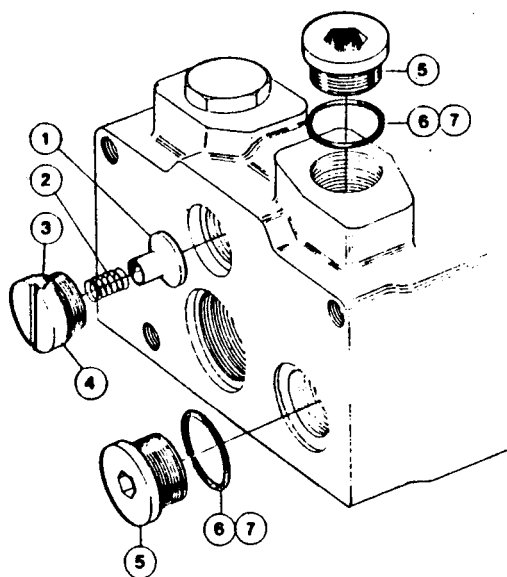
1802158

HYDRAULIC CONTROL VALVE - (2 SPOOL)
MAIN RELIEF VALVE

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. USED
2	8700406	O-RING	1
3	8700407	BACK-UP RING	1
4	8700408	O-RING	1
8	1803566	HVP CARTRIDGE - PRESET AT Q=20 l/min. PRESSURE RELIEF=175 bar	1
	8700410	PLUG - INCLUDES ITEMS 1,2,3,4	
	1804335	MAIN RELIEF VALVE SEAL KIT INCLUDES ITEMS 2,3,4	1

SWINGMASTER CORPORATION
11415 MELROSE AVENUE
FRANKLIN PARK, ILLINOIS 60131

17 -MAY -1990
TELEPHONE: (847) 451-1224



SWINGMASTER CORPORATION

PARTS BOOK

MACHINE

SECTION

20

MODEL 361 SWINGLOADER

HYDRAULIC SYSTEM

ASSEMBLY
NUMBER

DESCRIPTION

1802158

HYDRAULIC CONTROL VALVE - (2
SPOOL) INLET VALVE

ITEM PART

QTY.

NO. NUMBER DESCRIPTION

USED

3	8700426	O-RING	1
4	8700427	PLUG	1
5	8700428	PLUG	2
6	8700429	O-RING	2
8	8700430	O-RING	1
10	8700431	PLUG	1
11	8700432	PLUG	1
12	8700433	SEALING RING	1

8700434 CHECK VALVE, CPL. -
INCLUDES ITEMS 1,2,3,4

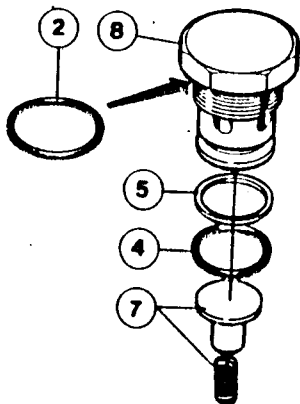
8700435 PLUG KIT - INCLUDES ITEMS 5(2pcs),
6(2pcs),8,10,11,12

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



SWINGMASTER CORPORATION

PARTS BOOK

MACHINE

SECTION

20

MODEL 361 SWINGLOADER

HYDRAULIC SYSTEM

ASSEMBLY
NUMBER

DESCRIPTION

1802158

HYDRAULIC CONTROL VALVE - (2 SPOOL)
ACCESSORIES IN PRESSURE AND TANK GALLERY

ITEM PART

QTY.

NO. NUMBER DESCRIPTION

USED

2 8700478 0-RING

1

4 8700479 0-RING

1

5 8700480 BACK-UP RING

1

8700481 SEPARATE CHECK VALVE - INCLUDES
ITEMS 2,3,5,7,8

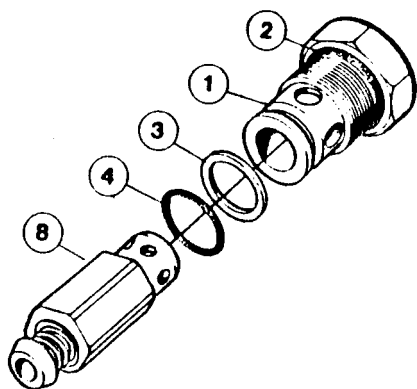
NOTE: QUANTITIES ARE PER VALVE SECTION

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



SWINGMASTER CORPORATION
PARTS BOOK

MACHINE	SECTION	20
-----	-----	-----
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	
-----	-----	

ASSEMBLY NUMBER	DESCRIPTION
-----	-----
1802158	HYDRAULIC CONTROL VALVE - (2 SPOOL) PORT RELIEF AND ANTICAVITATION VALVE
-----	-----

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. USED
2	8700411	O-RING	1
3	8700412	BACK-UP RING	1
4	8700413	O-RING	1
8	8703241	HVP CATRIDGE Q=20 l/min. 190 bar	1
10	8700414	O-RING	1
11	8700415	BACK-UP RING	1
	8700416	Y-PLUG (PORT 1B) INCLUDES ITEMS 2,3,4,9,10,11	
	8700542	PLUG INCLUDES ITEMS 1,2,3,4	
	1804334	PORT RELIEF VALVE SEAL KIT INCLUDES ITEMS 2,3,4	4

NOTE: QUANTITIES SHOWN ARE FOR 1 SIDE OF EACH SECTION

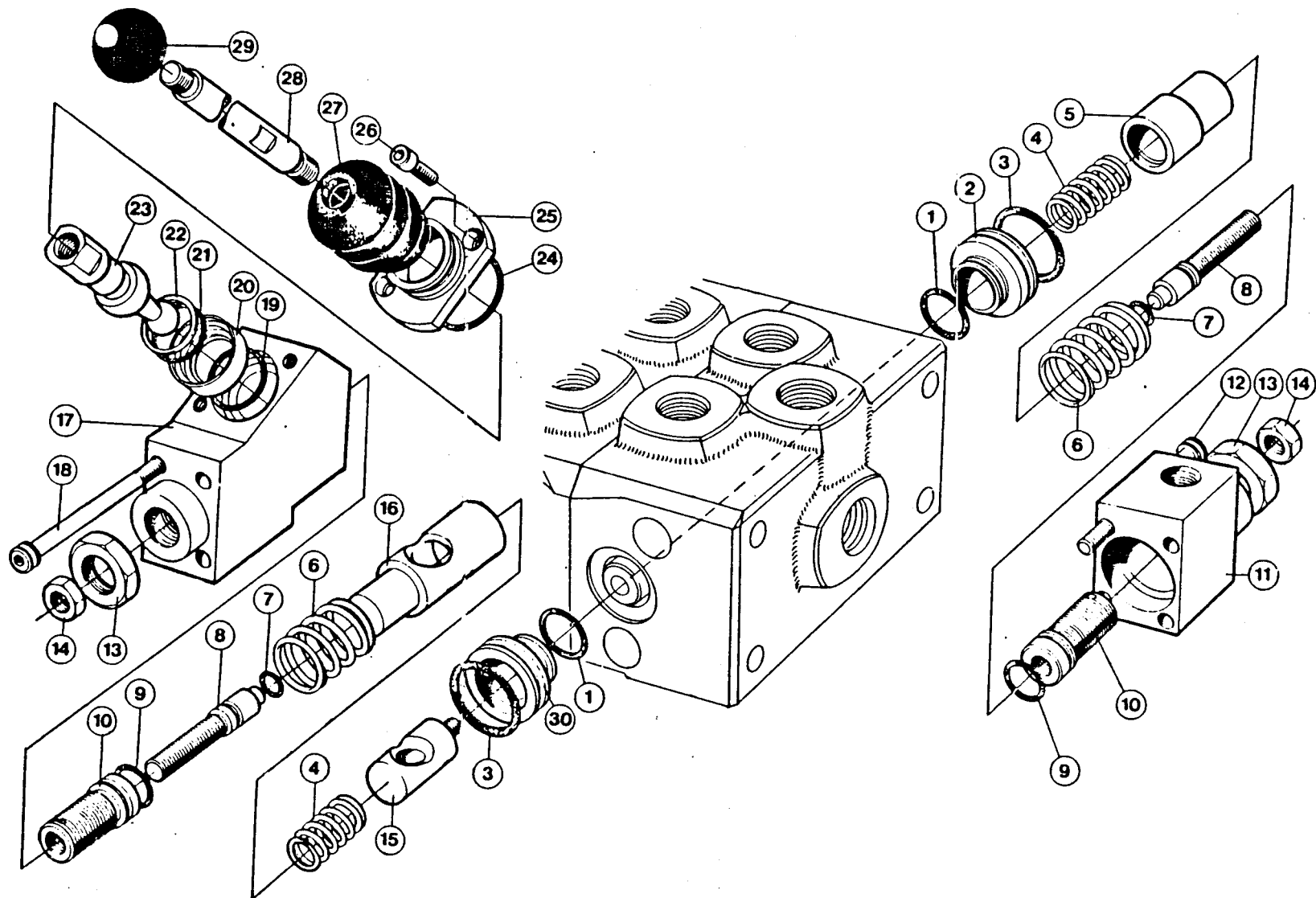
SWINGMASTER CORPORATION
11415 MELROSE AVENUE
FRANKLIN PARK, ILLINOIS 60131
TELEPHONE: (847) 451-1224

MACHINE	SECTION	20
-----	-----	-----
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	
-----	-----	-----

DESCRIPTION

HYDRAULIC CONTROL VALVE - 3 SPOOL
SPOOL CONTROL (SWING, ATTACHMENTS 1 & 2)
PLUGS IN MOTOR, PUMP, AND TANK PORTS
TIE RODS MOUNTING PLATES, & SEAL KITS
PORT RELIEF & LOAD HOLD CHECK VALVE
MAIN RELIEF VALVE

COMPLETE VALVE SEAL KIT	1804336	
INCLUDES THE FOLLOWING SEAL KITS		QTY
SPOOL CONTROL	1804337	3
PORT RELIEF VALVE	1804338	4
LOAD HOLD CHECK VALVE	1804339	6
PLUG	1804340	2
MAIN RELIEF VALVE	1804341	1



SWINGMASTER CORPORATION

PARTS BOOK

MACHINE	SECTION	20
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	

ASSEMBLY
NUMBER

DESCRIPTION

1802161

HYDRAULIC CONTROL VALVE - 3 SPOOL
SPOOL CONTROL (SWING, ATTACH. 1 & 2)

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. USED
1	8700466	0-RING	2
3	8700467	0-RING	2
4	8700468	SPRING	2
6	8700469	SPRING	2
7	8700527	0-RING	2
9	8700528	0-RING	2
12	8700472	SCREW (TORQUE TO 7 N-m)	2
13	8700473	NUT	2
14	8700474	NUT	2
18	8700529	SCREW (TORQUE TO 7 N-m)	2
19	8700530	0-RING	1
21	8700531	0-RING	1
22	8700532	BACK-UP RING	1
24	8700533	0-RING	1
26	8700534	SCREW (TORQUE TO 3 N-m)	2
27	8700535	BELLOWS	1
29	8700536	BALL	1

8703237 DPC SPOOL - FOR SECTION 1

1

8703237 DPC SPOOL - FOR SECTION 2

1

8703238 MPC SPOOL - FOR SECTION 3

1

1804337 SPOOL CONTROL SEAL KIT

3

INCLUDES ITEMS 1,3,7,9,19,21,22,24,27

QUANTITIES SHOWN ARE PER VALVE SECTION

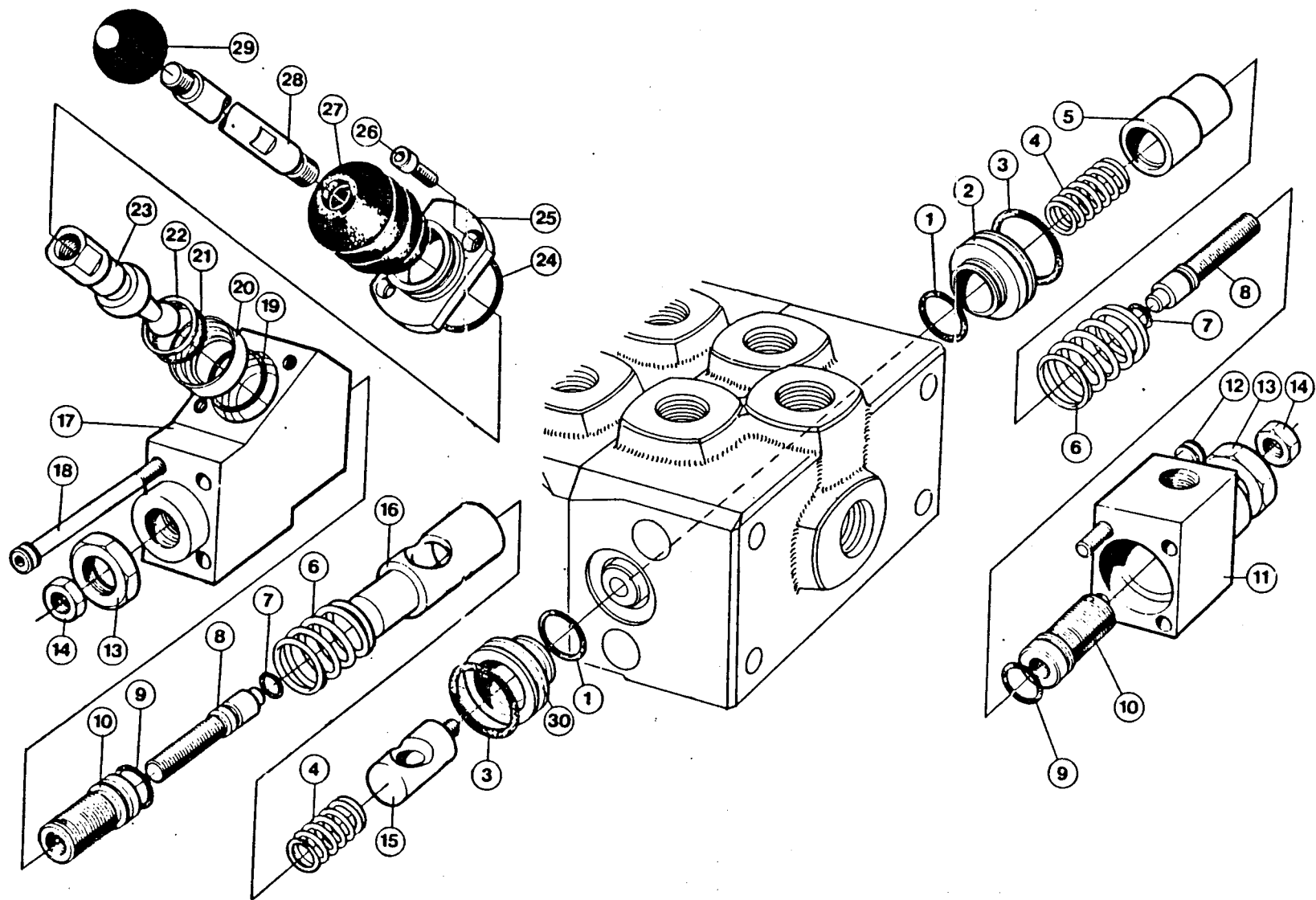
PAGE 1 OF 2

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



SWINGMASTER CORPORATION

PARTS BOOK

MACHINE	SECTION	20
-----	-----	-----
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	
-----	-----	-----

ASSEMBLY NUMBER	DESCRIPTION	

1802161	HYDRAULIC CONTROL VALVE - 3 SPOOL SPOOL CONTROL (SWING, ATTACH. 1 & 2)	
ITEM PART NO. NUMBER	DESCRIPTION	QTY. USED
-----	-----	-----

8700537	SPRING, A-SIDE	
	INCLUDES ITEMS 4,6,16	
-----	-----	-----

8700538	SPRING, B-SIDE	
	INCLUDES ITEMS 4,5,6	

8700539	CAP, A-SIDE	INCLUDES ITEMS 1,3,7,8, 9,10,13,14,17,18 (2pcs) *,30
---------	-------------	---

8700540	CAP, B-SIDE	INCLUDES ITEMS 1,2,3,7, 8,9,10,11,12 (2pcs) *,13,14
---------	-------------	--

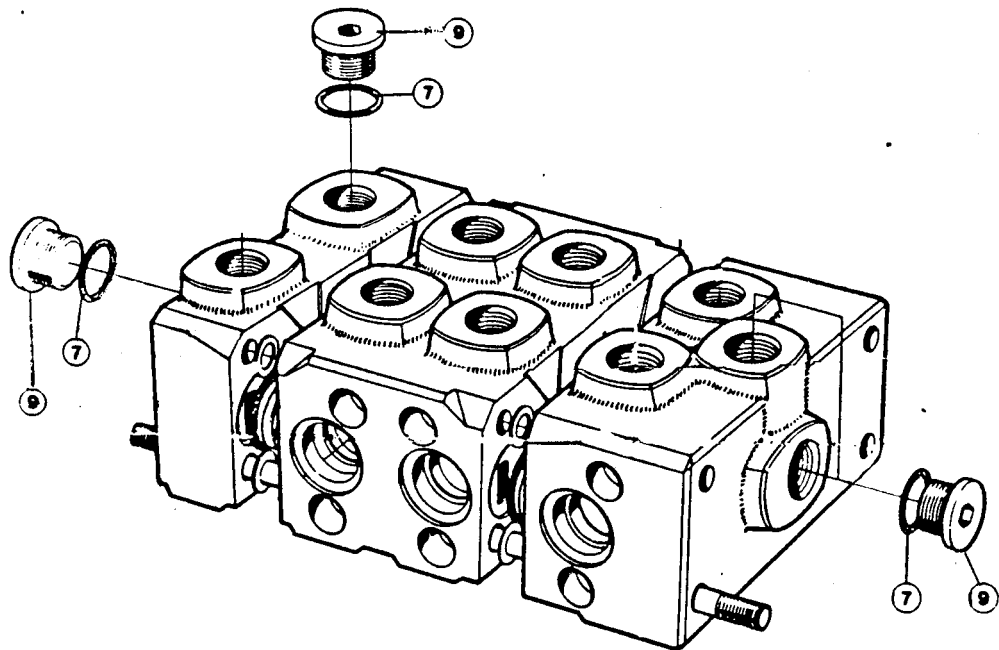
8700814	LEVER - INCLUDES ITEMS 15,19,20,21,22, 23,24,25,26 (2pcs) ,27,28,29	
---------	--	--

QUANTITIES SHOWN ARE PER VALVE SECTION
* TORQUE TO 7 N-m

PAGE 2 OF 2

SWINGMASTER CORPORATION
11415 MELROSE AVENUE
FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



SWINGMASTER CORPORATION

PARTS BOOK

MACHINE	SECTION	20
-----	-----	-----
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	
-----	-----	-----

ASSEMBLY
NUMBER

DESCRIPTION

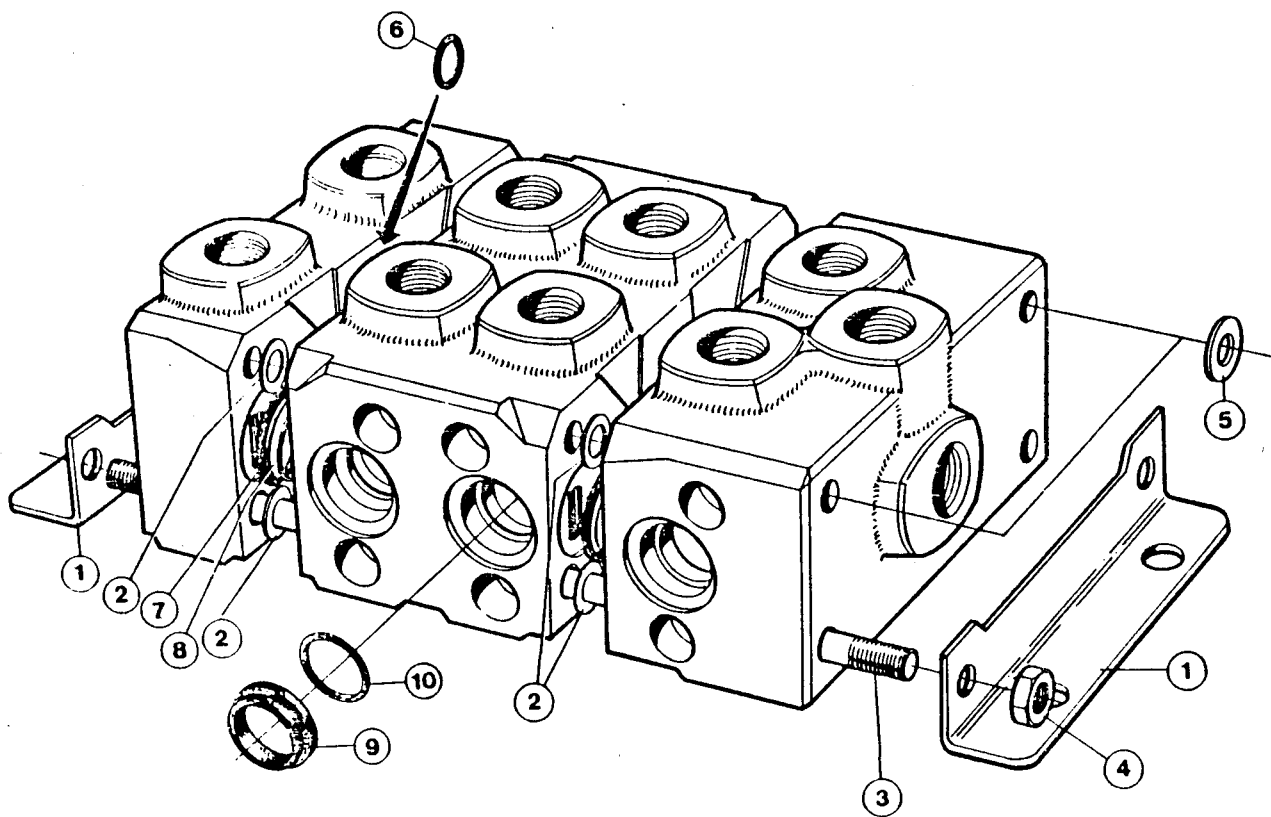
1802161

HYDRAULIC CONTROL VALVE - 3 SPOOL
PLUGS IN MOTOR, PUMP & TANK PORTS

ITEM PART		QTY.
NO. NUMBER DESCRIPTION		USED
-----	-----	-----
7 8700451 0-RING		3
9 8700452 PLUG		3
-----	-----	-----

SWINGMASTER CORPORATION
11415 MELROSE AVENUE
FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



SWINGMASTER CORPORATION**PARTS BOOK**

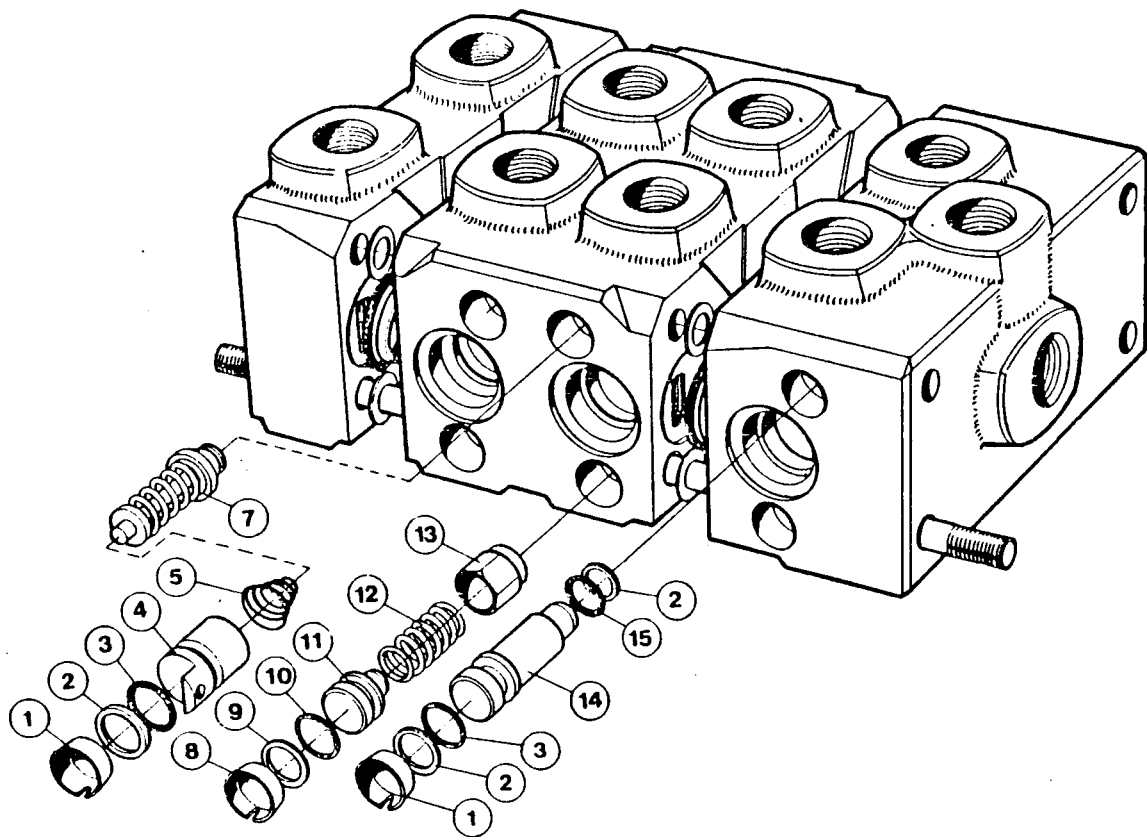
MACHINE	SECTION	20
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	

ASSEMBLY NUMBER	DESCRIPTION
1802161	HYDRAULIC CONTROL VALVE - 3 SPOOL TIE RODS, MOUNTING PLATES, & SEAL KITS

ITEM	PART		QTY.
NO.	NUMBER	DESCRIPTION	USED
2	8700447	SPACER RING	8
4	8703347	NUT	8
5	8700449	WASHER	4
6	8700456	O-RING	3
7	8700454	O-RING	2
8	8700455	BACK-UP RING	2
9	8703348	SCRAPER RING	1
10	8700459	O-RING	2
	8700457	SEAL KIT INCLUDES ITEMS 2(4pcs), 6(3+3 pcs), 7(2pcs), 8(2pcs)	2
	8700458	SPOOL SEAL KIT-INCLUDES ITEMS 9,10(2pcs)	2
	8703349	TIE ROD KIT INCLUDES ITEMS 1(2pcs),2(8pcs),3(4pcs), 4(8 pcs),5(4 pcs)	2

SWINGMASTER CORPORATION
11415 MELROSE AVENUE
FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



SWINGMASTER CORPORATION

PARTS BOOK

MACHINE	SECTION	20
-----	-----	-----
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	
-----	-----	-----

ASSEMBLY

NUMBER

DESCRIPTION

1802161

HYDRAULIC CONTROL VALVE - 3 SPOOL
PORT RELIEF & LOAD HOLD CHECK VALVE

ITEM	PART		QTY.
NO.	NUMBER	DESCRIPTION	USED
-----	-----	-----	-----

1	8700441	PROTECTIVE CAP	6
2	8700442	BACK-UP RING	8
3	8700443	O-RING	6
5	8702100	SPRING	4
8	8702103	PROTECTIVE CAP	6
9	8702104	BACK-UP RING	6
10	8702105	O-RING	6
12	8702106	SPRING	6
15	8702107	O-RING	2

8702102	CHECK VALVE - INCLUDES ITEMS 8-13	6
---------	-----------------------------------	---

8700446	PORT RELIEF PLUG - FOR SWING SECTION INCLUDES ITEMS 1,2 (2pcs) ,3,14,15	2
---------	--	---

FOR ATTACHMENT 1, ATTACHMENT 2 SECTIONS		
8702101	PLC 50 - CARTRIDGE - 125bar INCLUDES ITEMS 1,5,7	4

1804338	PORT RELIEF SEAL KIT INCLUDES ITEMS 1,2,3,15	4
---------	---	---

1804339	LOAD HOLD CHECK VALVE SEAL KIT INCLUDES ITEMS 8,9,10	6
---------	---	---

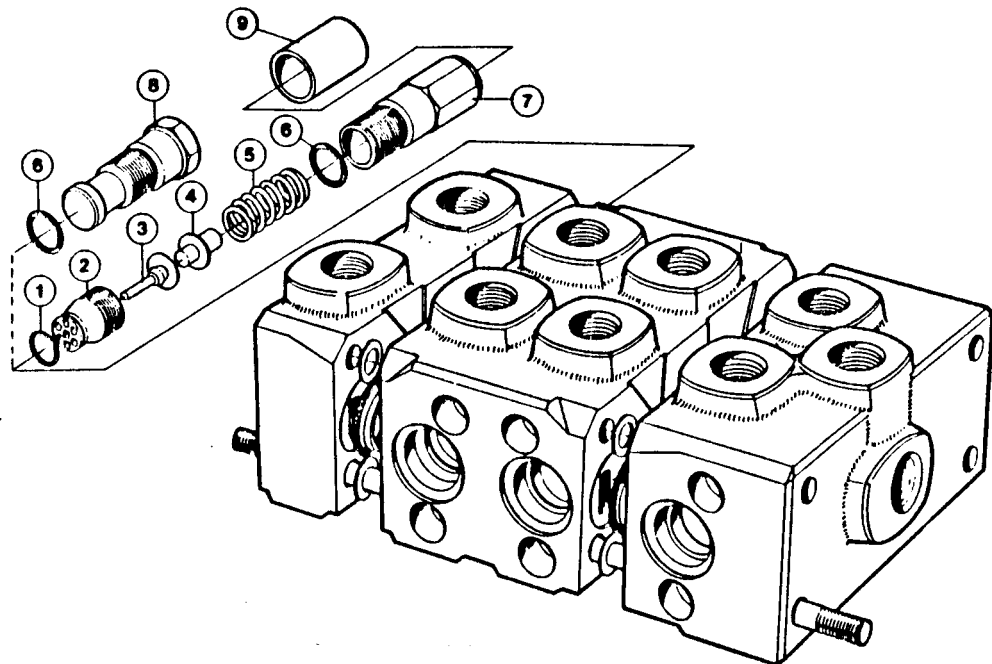
1804340	PLUG SEAL KIT INCLUDES ITEMS 1,2,3	2
---------	---------------------------------------	---

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



SWINGMASTER CORPORATION

PARTS BOOK

MACHINE

SECTION

20

MODEL 361 SWINGLOADER

HYDRAULIC SYSTEM

ASSEMBLY
NUMBER

DESCRIPTION

1802161

HYDRAULIC CONTROL VALVE - 3 SPOOL
MAIN RELIEF VALVE

ITEM PART

NO. NUMBER DESCRIPTION

QTY.
USED

1	8700436	0-RING	1
5	8700437	SPRING (175 bar) (2540 psi)	1
6	8700438	0-RING	1
9	8700439	SEAL CAP	1

8700440	PRESSURE RELIEF VALVE - 175 bar (ADJUSTABLE)	
	INCLUDES ITEMS 1,2,3,4,5,6,7,9	

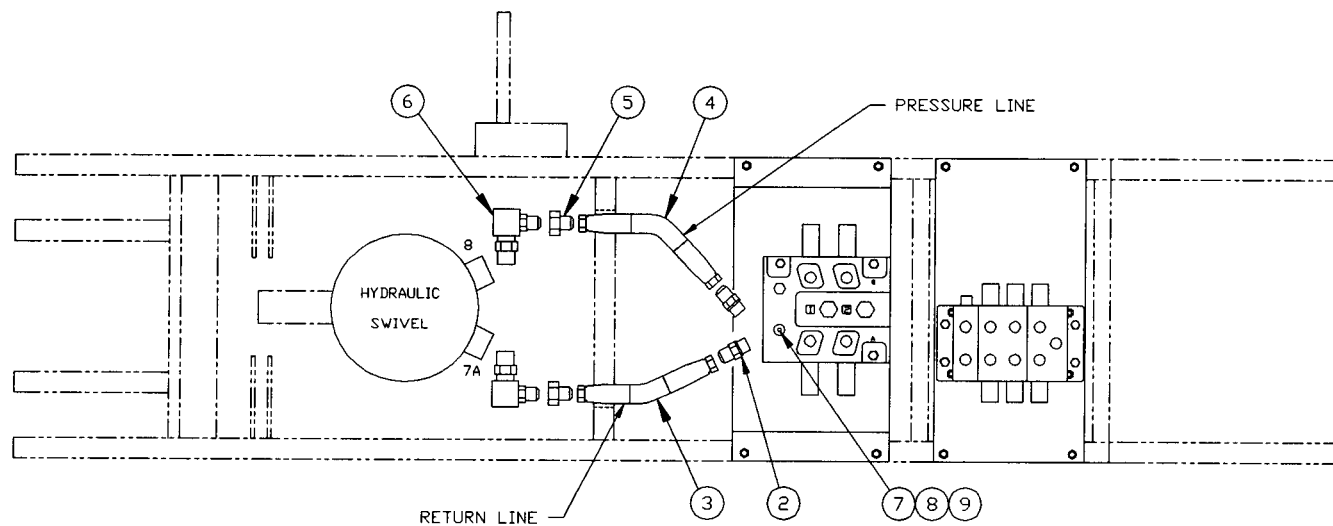
1804341	MAIN RELIEF VALVE SEAL KIT	1
	INCLUDES ITEMS 1,6,9	

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



1 INSTALLATION

TOLERANCES		SWINGMASTER CORPORATION	
UNLESS OTHERWISE SPECIFIED FRACTIONS +/- 3 PLACE DECIMALS +/- 2 PLACE DECIMALS +/- 1 PLACE DECIMALS +/- ANGLES SEE SWINGMASTER SPECIFICATION G-1 FOR TOLERANCES NOT SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE DRAWING SCALE:		11415 MELROSE AVENUE FRANKLIN PARK, ILLINOIS 60131	
		MAIN HYDRAULIC CONTROL VALVE LINES &	
		FITTINGS - PRESSURE & RETURN - UPPER	
		MODEL 361	
DRAWN BY: B.W.		DRAWING NO.	
DATE: 2-16-89		C-138	

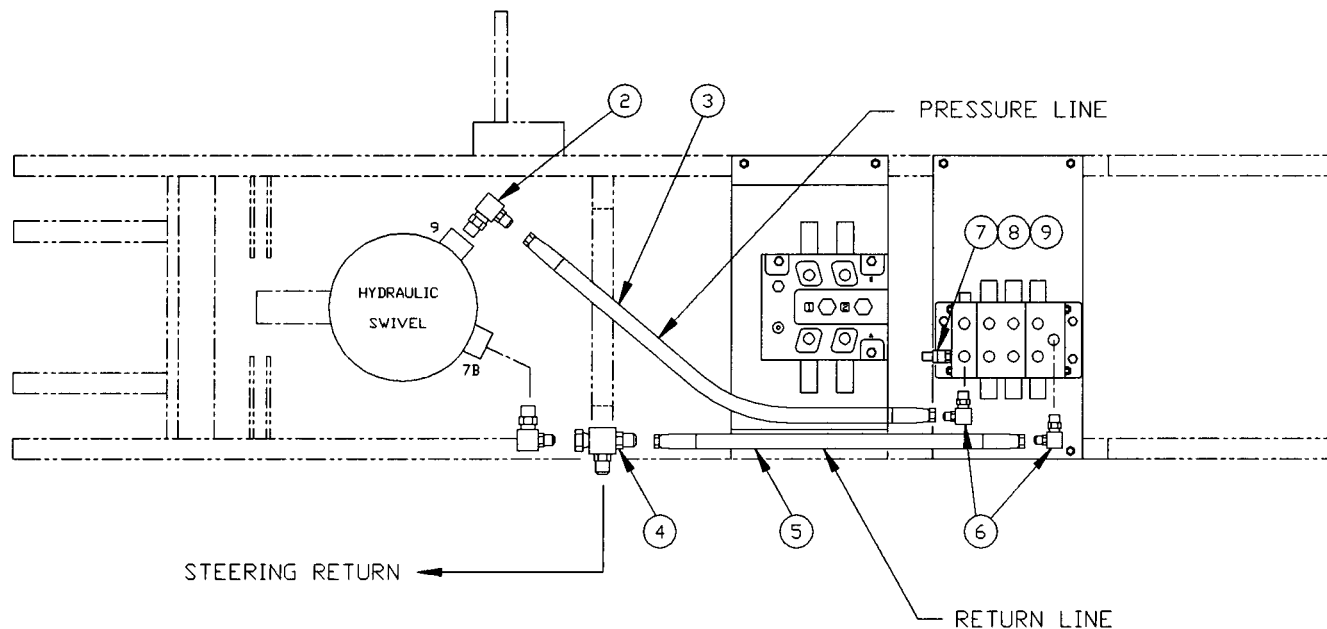
SWINGMASTER CORPORATION
PARTS BOOK

MACHINE	SECTION	20
-----	-----	-----
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	
-----	-----	-----

ASSEMBLY NUMBER	DESCRIPTION
-----	-----
1802322	MAIN HYDRAULIC CONTROL VALVE L & F-UPPER
-----	-----

ITEM PART NO. NUMBER DESCRIPTION	QTY. USED
-----	-----
2 1800771 STRAIGHT MALE 3/4 O-RING TO 1 TUBE	2.00
3 1802396 HOSE ASSEMBLY 1503-16	1.00
4 1802324 HOSE ASSEMBLY 2781-16	1.00
5 1802325 STRAIGHT TUBE ADAPTER 1-M TO 1 1/4-F	2.00
6 1802326 90 DEG MALE ELBOW 1 1/2 ORG TO 1 1/4 TBE	2.00
7 1801665 STRAIGHT MALE 3/4 O-RING TO 3/8 TUBE	1.00
8 1801668 PRESSURE SENSING COUPLING - 3/8 TUBE	1.00
9 1800876 FD90 DUST CAP	1.00
-----	-----

SWINGMASTER CORPORATION
11415 MELROSE AVENUE
FRANKLIN PARK, ILLINOIS 60131
TELEPHONE: (847) 451-1224



1 INSTALLATION

TOLERANCES		SWINGMASTER CORPORATION	
UNLESS OTHERWISE SPECIFIED FRACTIONS +/- 3 PLACE DECIMALS +/- 2 PLACE DECIMALS +/- 1 PLACE DECIMALS +/- ANGLES SEE SWINGMASTER SPECIFICATION G-1 FOR TOLERANCES NOT SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE DRAWING SCALE:		11415 MELROSE AVENUE FRANKLIN PARK, ILLINOIS 60131	
		SECONDARY CONTROL VALVE LINES & FITTINGS	
		PRESSURE AND RETURN - UPPER	
		MODEL 361	
DRAWN BY: B.W.		DRAWING NO.	
DATE: 2-16-89		C-140	

SWINGMASTER CORPORATION

PARTS BOOK

MACHINE

SECTION

20

MODEL 361 SWINGLOADER

HYDRAULIC SYSTEM

ASSEMBLY
NUMBER

DESCRIPTION

1802327

SECONDARY CONTROL VALVE L & F - UPPER

ITEM PART

NO. NUMBER DESCRIPTION

QTY.

USED

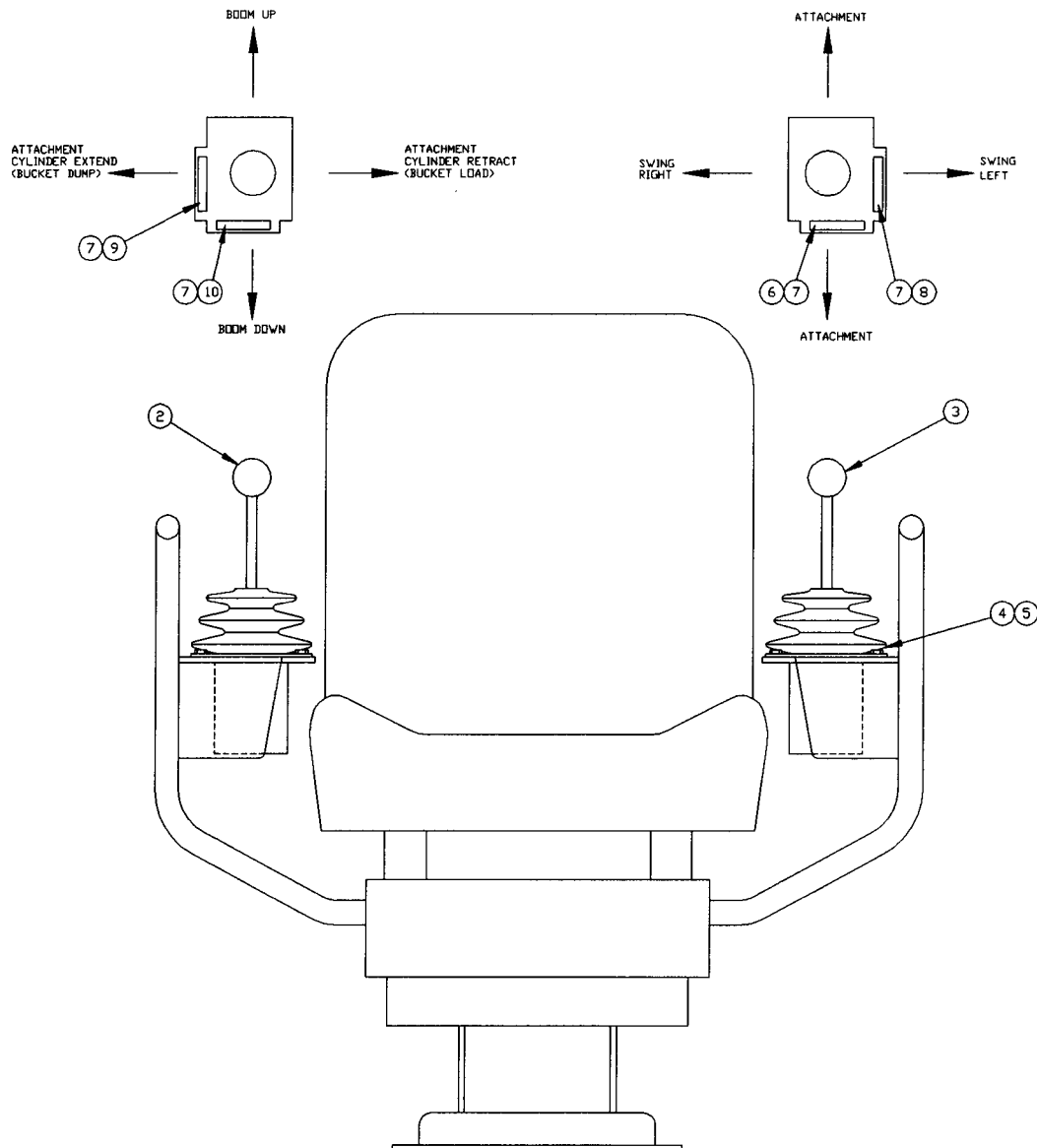
2	1802328	90 DEG MALE ELBOW 1 0-RING TO 3/4 TUBE	2.00
3	1802549	HOSE ASSEMBLY 2781-12	1.00
4	1800861	3/4 TUBE RUN TEE M-F SWIVEL-M	1.00
5	1802550	HOSE ASSEMBLY 1503-12	1.00
6	1800799	90 DEG MALE ELBOW 5/8 0-RING TO 3/4 TUBE	2.00
7	1801664	STRAIGHT MALE 5/8 0-RING TO 3/8 TUBE	1.00
8	1801668	PRESSURE SENSING COUPLING - 3/8 TUBE	1.00
9	1800876	FD90 DUST CAP	1.00

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



① INSTALLATION

TOLERANCES		SWINGMASTER CORPORATION	
UNLESS OTHERWISE SPECIFIED		11415 MELROSE AVENUE	
FRACTIONS +/-		FRANKLIN PARK, ILLINOIS 60131	
3 PLACE DECIMALS +/-		HYDRAULIC REMOTE CONTROL INSTALLATION	
2 PLACE DECIMALS +/-			
1 PLACE DECIMALS +/-		MODEL 361	
ANGLES		DRAWN BY: B.W.	
SEE SWINGMASTER SPECIFICATION		DATE: 11-22-88	
G-1 FOR TOLERANCES NOT SPECIFIED		DRAWING NO.	
DIMENSIONS ARE IN INCHES		C-129	
DO NOT SCALE DRAWING			
SCALE 1			

MACHINE	SECTION	20
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	

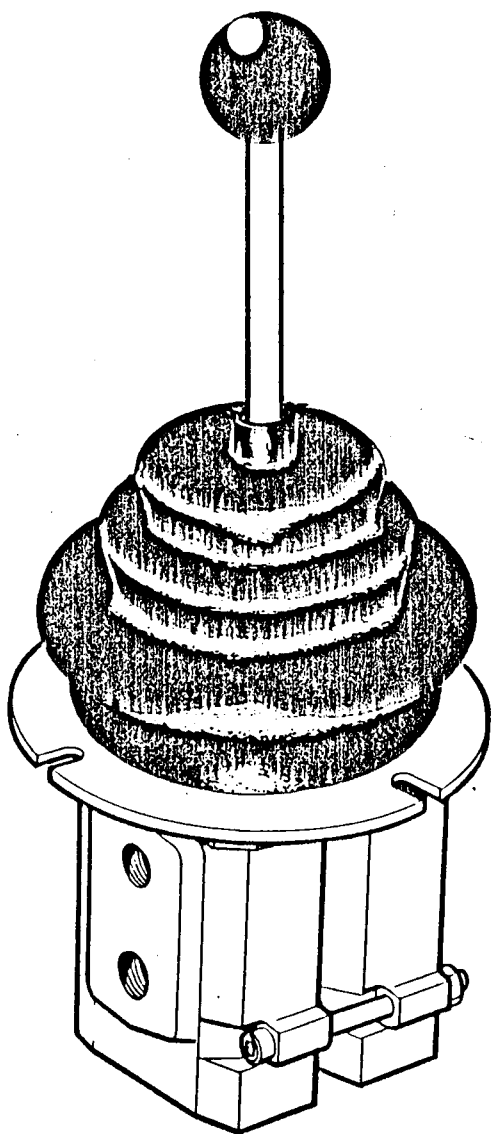
ASSEMBLY
NUMBER

DESCRIPTION

1802155

HYDRAULIC REMOTE CONTROL INSTALLATION

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. USED
2	1800111	JOYSTICK - BOOM UP-DOWN/BUCKET DUMP-LOAD	1.00
3	1802156	JOYSTICK - SWING L-R/ ATTACHMENT	1.00
4	1800430	H.H.C.S. 1/4-20 X 1/2" LONG	8.00
5	1800567	1/4" LOCK WASHER	8.00
6	1801298	DECAL (SWING L-R)	1.00
7	1800845	1/8" POP RIVET	8.00
8	1801299	DECAL (ATTACHMENT)	1.00
9	1801301	DECAL (BOOM UP - DOWN)	1.00
10	1801302	DECAL (BOOM DUMP - LOAD)	1.00



SWINGMASTER CORPORATION

PARTS BOOK

MACHINE

SECTION

20

MODEL 361 SWINGLOADER

HYDRAULIC SYSTEM

DESCRIPTION

JOYSTICK CONTROL

HAND LEVER

MOUNTING PLATE

BASIC VALVE

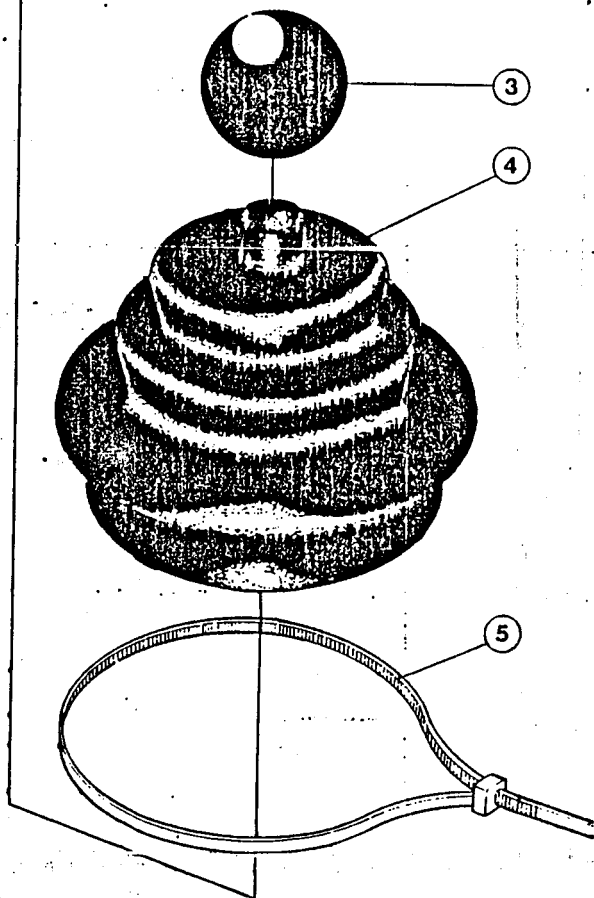
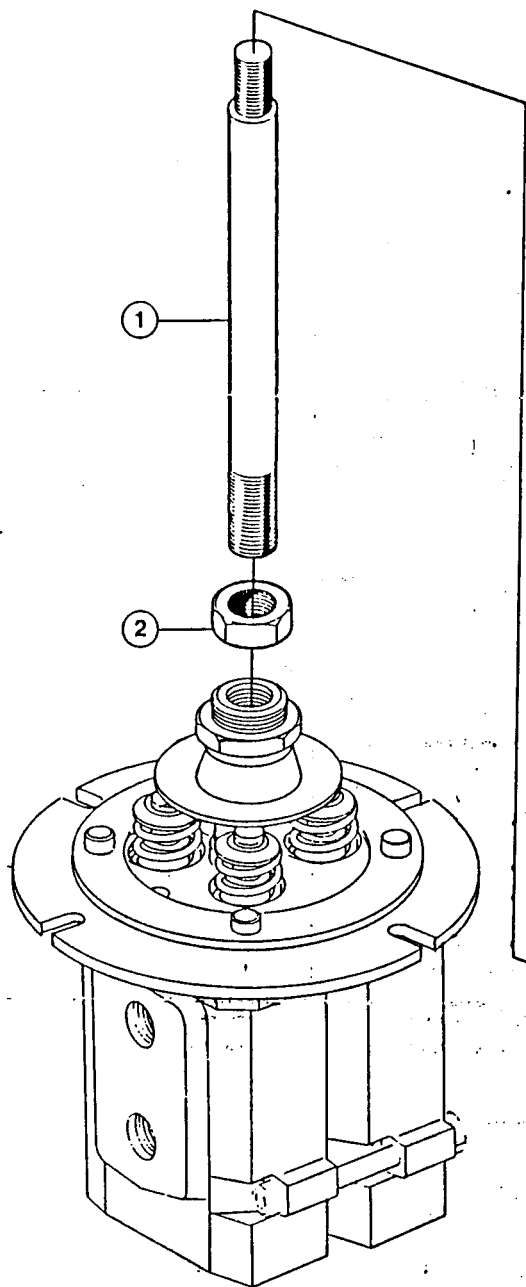
SPRINGS

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



SWINGMASTER CORPORATION

PARTS BOOK

MACHINE

SECTION

20

MODEL 361 SWINGLOADER

HYDRAULIC SYSTEM

ASSEMBLY
NUMBER

DESCRIPTION

1800111

JOYSTICK CONTROL - RIGHTHAND -HAND LEVER

1802156

JOYSTICK CONTROL - LEFTHAND - HAND LEVER

ITEM PART

NO. NUMBER DESCRIPTION

QTY.

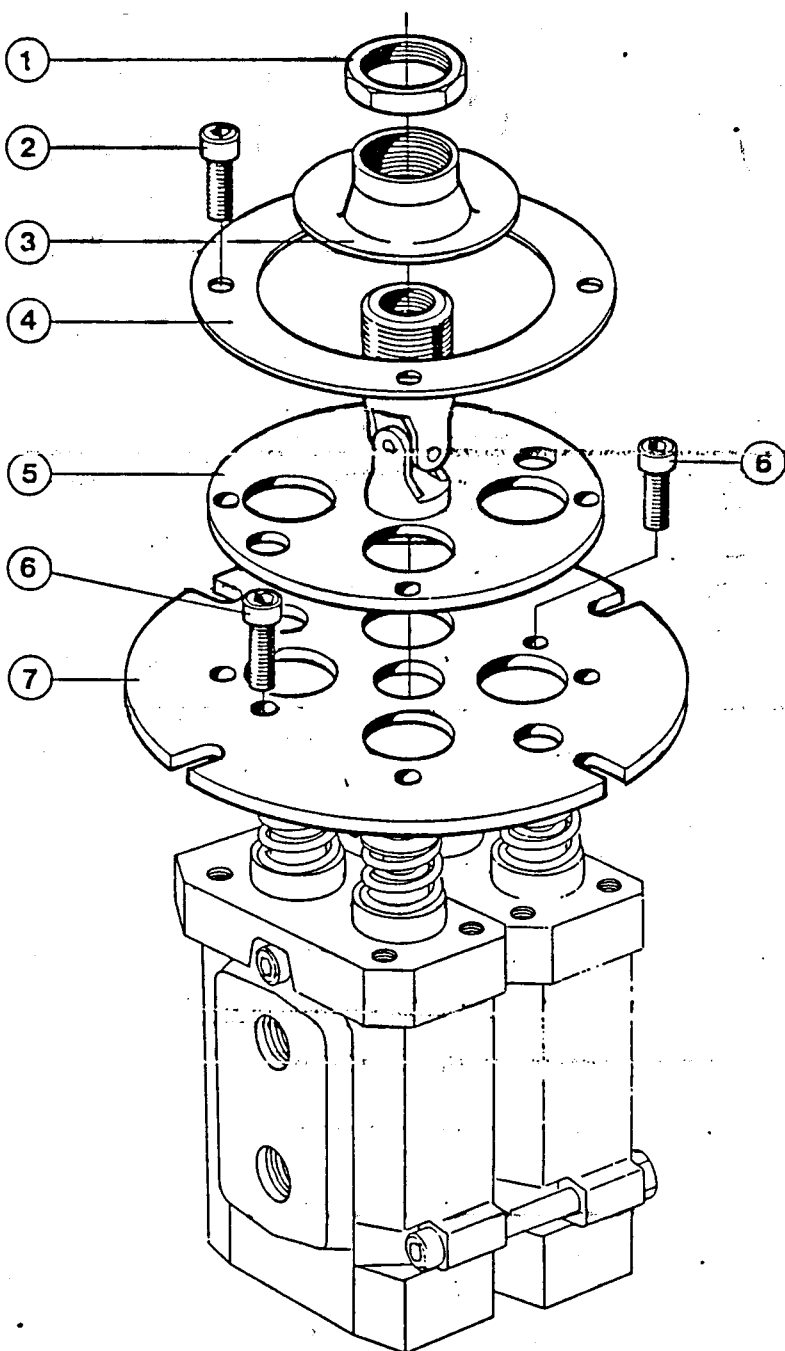
USED

2	8700521	NUT (TORQUE TO 70 N-m)	1
3	8700522	HANDLE BALL	1
4	8700523	BELLOWS	1
5	8700524	CLAMPING RING	1

8700525 HAND LEVER
INCLUDES ITEMS 1,2,3,4,5

SWINGMASTER CORPORATION
11415 MELROSE AVENUE
FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



SWINGMASTER CORPORATION

PARTS BOOK

MACHINE	SECTION	20
-----	-----	-----
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	
-----	-----	-----

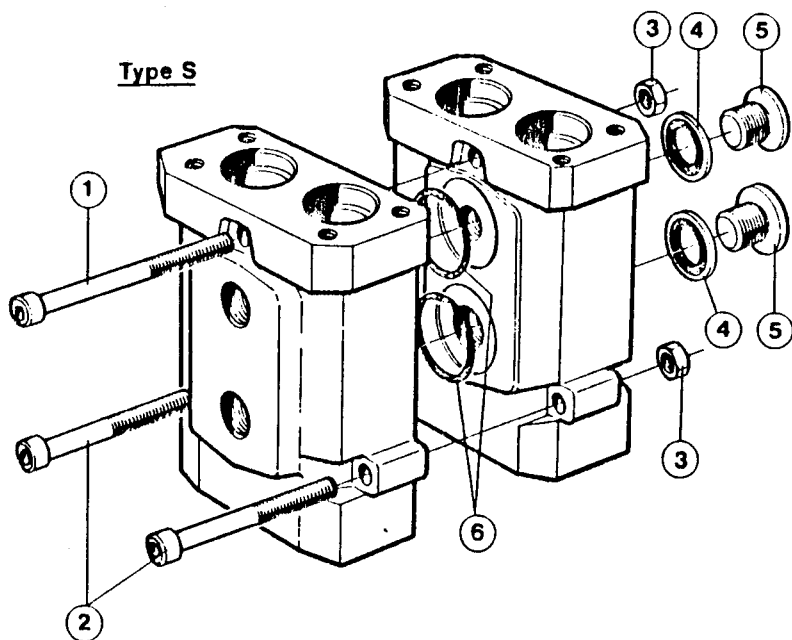
ASSEMBLY NUMBER	DESCRIPTION
-----	-----
1800111	JOYSTICK - RIGHTHAND - MOUNTING PLATE
1802156	JOYSTICK - LEFTHAND - MOUNTING PLATE
-----	-----

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. USED
1	8700516	NUT	1 - - -
2	8700517	SCREW	4
3	8700518	PRESSURE PLATE	1
4		PLATE	1
5		PLATE	1
6	8700463	PLUG	2
7		PLATE	1
	8700520	MOUNTING PLATE ASSEMBLY	1
		INCLUDES ITEMS 1,2 (4 PCS.) , 3,4,5,6 (2 PCS.) , 7	

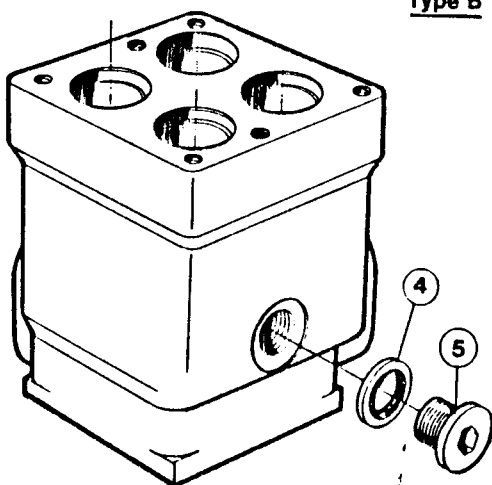
SWINGMASTER CORPORATION
11415 MELROSE AVENUE
FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224

Type S



Type B



SWINGMASTER CORPORATION

PARTS BOOK

MACHINE	SECTION	20
-----	-----	-----
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	
-----	-----	-----

ASSEMBLY
NUMBER

DESCRIPTION

1800111

JOYSTICK - RIGHTHAND - BASIC VALVE

1802156

JOYSTICK - LEFTHAND - BASIC VALVE

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. USED
1	8700509	SCREW (TORQUE TO 6 N-m)	1
2	8700510	SCREW (TORQUE TO 6 N-m)	2
3	8700511	NUT	3
4	8700512	O-RING	2
5	8700513	PLUG	2
6	8700514	O-RING	2
	8700515	BOLT KIT - INCLUDES ITEMS 1-5	
	8702890	PLUG KIT INLCUDES ITEMS 4 (2 PCS.) , 5 (2 PCS.)	

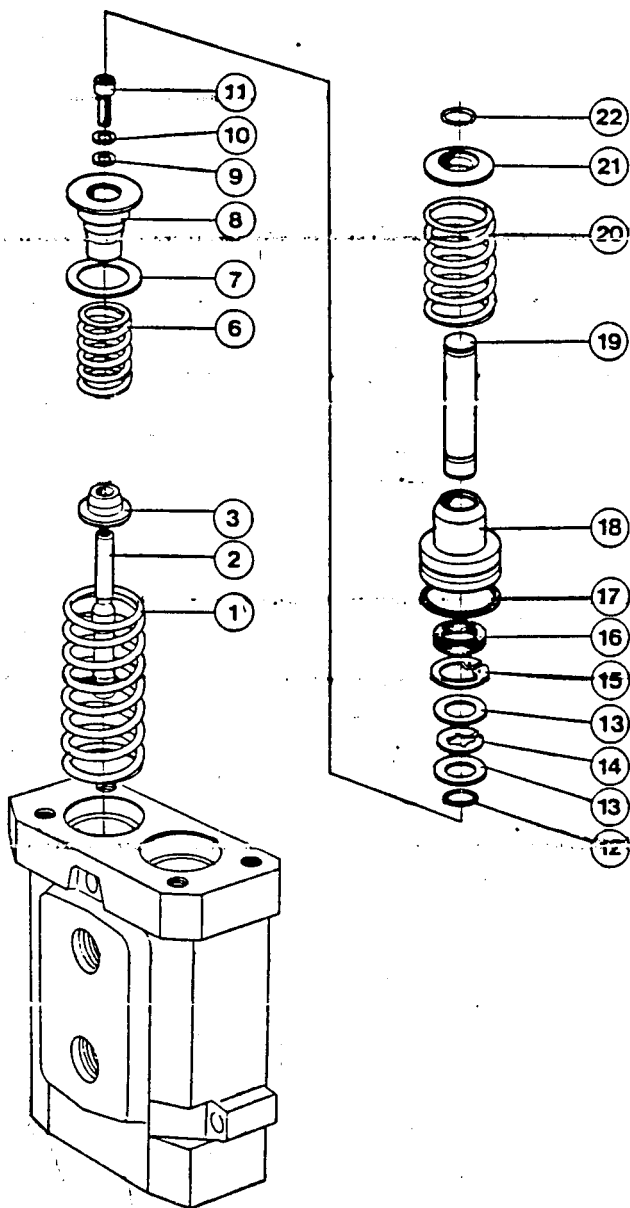
NOTE: TYPE S VALVE USES ALL PARTS LISTED ABOVE.
TYPE B VALVE USES ITEMS 4 & 5 ONLY

SWINGMASTER CORPORATION

11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (708) 451-1224



SWINGMASTER CORPORATION

PARTS BOOK

MACHINE	SECTION	20
-----	-----	-----
MODEL 361 SWINGLOADER	HYDRAULIC SECTION	
-----	-----	-----

ASSEMBLY NUMBER	DESCRIPTION	

1800111	JOYSTICK CONTROL - RIGHTHAND - SPRINGS	
1802156	JOYSTICK CONTROL - LEFTHAND - SPRINGS	
ITEM PART		QTY.
NO. NUMBER	DESCRIPTION	USED
1	8700482 RETURN SPRING	4

FOR BUCKET CYLINDER RETRACT		
6	8700483 SPRING (140 - 260 psi)	1 RT.

FOR SWING LEFT & RIGHT		
FOR BOOM DOWN		
6	8702891 SPRING (100 - 275 psi)	2 LT. + 2 RT.

FOR ATTACHMENT		
6	8702892 SPRING	2 LT.

FOR BUCKET CYLINDER EXTEND		
FOR BOOM UP		
6	8702895 SPRING (5 - 15.0 bar)	2 RT.

7	8700485 SPACER RING (t = 0.5mm)	1*
9	8700486 WASHER	4

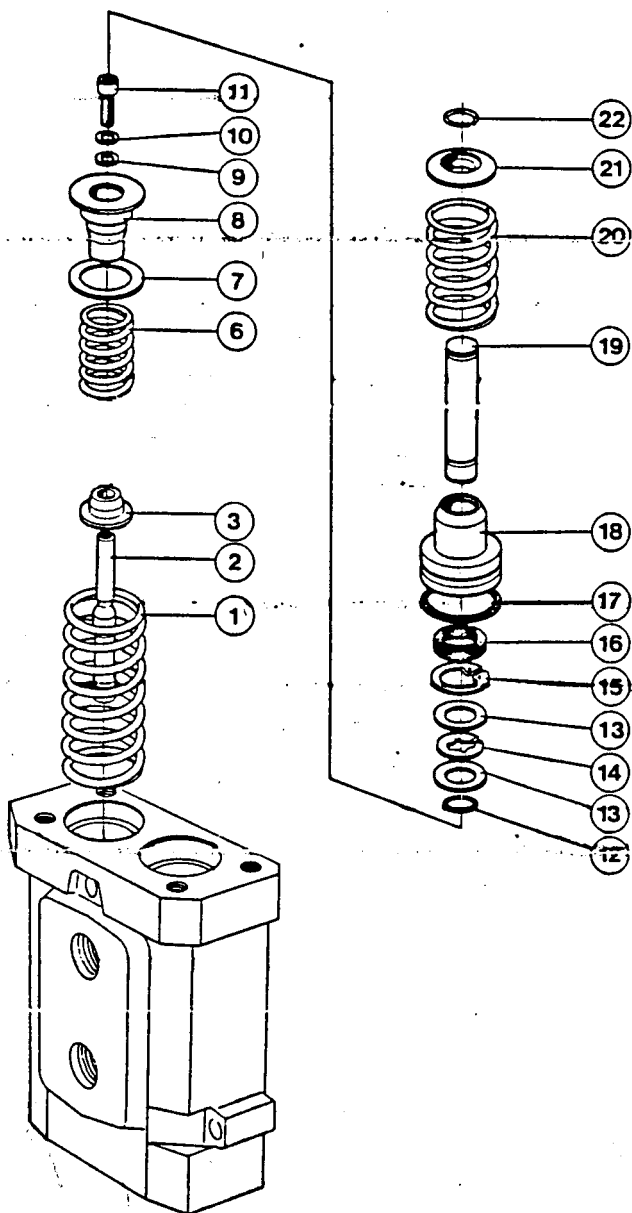
FOR SWING LEFT & RIGHT		
FOR BOOM DOWN		
FOR BUCKET CYLINDER RETRACT		
10	8700488 SPACER RING (t = 0.5mm)	2 LT. + 2 RT.

* - WHEN REQUIRED		

PAGE 1 OF 2

SWINGMASTER CORPORATION
 11415 MELROSE AVENUE
 FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



SWINGMASTER CORPORATION

PARTS BOOK

MACHINE	SECTION	20
-----	-----	-----
MODEL 361 SWINGLOADER	HYDRAULIC SECTION	
-----	-----	-----

ASSEMBLY NUMBER	DESCRIPTION
-----	-----
1800111	JOYSTICK CONTROL - RIGHTHAND - SPRINGS
1802156	JOYSTICK CONTROL - LEFTHAND - SPRINGS
-----	-----

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. USED
-----	-----	-----	-----
11	8700489	SCREW TO 1.3 N-m)	4
12	8702893	(TORQUE WIRE	4
13a	8700492	COIL SPACER (t = 0.3mm)	4 *
13b	8700493	RING SPACER (t = 0.5mm)	4 *
14	8700494	RING CIRCLIP	4
15	8700495	CIRCLIP	4
16	8700496	SEALING RING	4
17	8700497	O-RING	4
20	8700498	SPRING (C1)	4
22	8700499	WIRE COIL	4

** SPRING PACK R (STRAIGHT LINE CURVE)
INCLUDES ITEMS 2,3,6,7,8,9,11
** - CONSULT FACTORY FOR PART NUMBER

8702894 PRESSURE PIN SET - NEED 4 PER JOYSTICK
INCLUDES ITEMS 12,13 (3x3pcs) ,14-22

8700501 SEAL KIT FOR PRESSURE PIN - NEED 4 PER JOYSTICK
INCLUDES ITEMS 12,14-17

* - WHEN REQUIRED

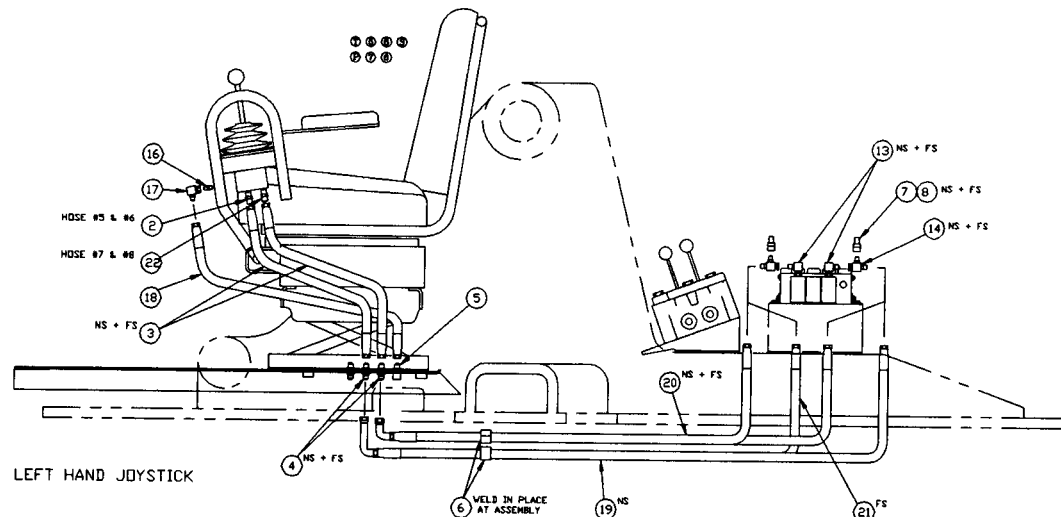
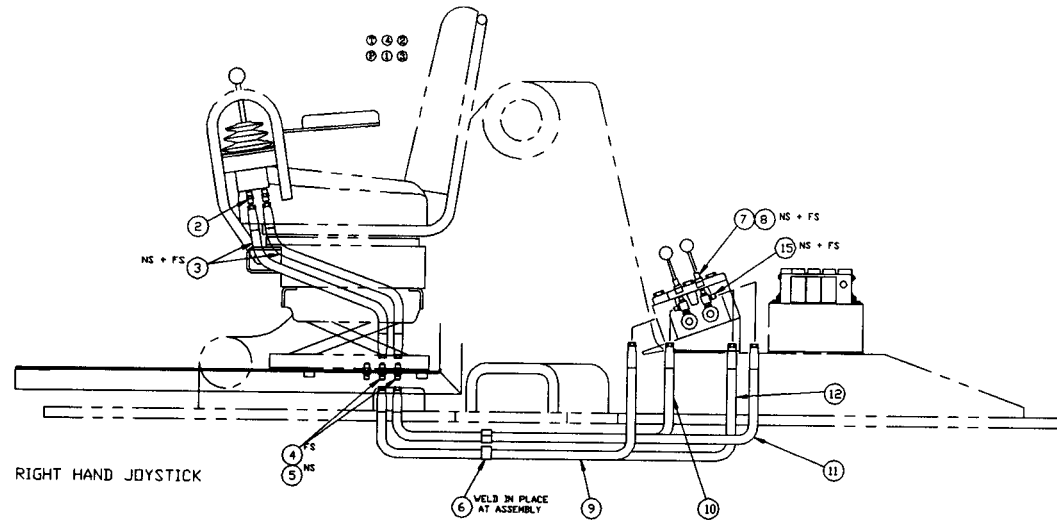
PAGE 2 OF 2

SWINGMASTER CORPORATION

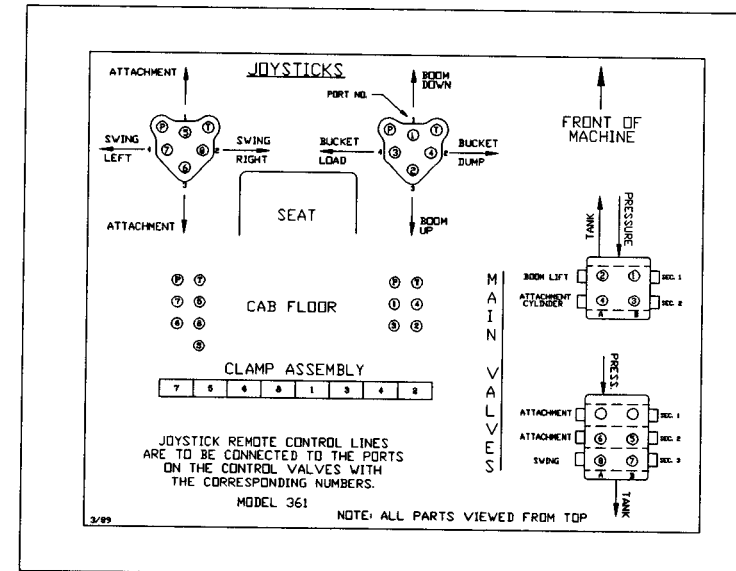
11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



1 INSTALLATION



TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONS +/- 3 PLACE DECIMALS +/- 2 PLACE DECIMALS +/- 1 PLACE DECIMALS +/- ANGLES SEE SWINGMASTER SPECIFICATION G-1 FOR TOLERANCES NOT SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE DRAWING SCALE: 1	SWINGMASTER CORPORATION 11415 MELROSE AVENUE FRANKLIN PARK, ILLINOIS 60131 JOYSTICK HYDRAULIC CONTROL LINES & FITTINGS INSTALLATION - LEFT & RIGHT MODEL 361 DRAWN BY: B.W. DATE: 3-20-89 DRAWING NO.
--	---

SWINGMASTER CORPORATION

PARTS BOOK

MACHINE

SECTION

20

MODEL 361 SWINGLOADER

HYDRAULIC SYSTEM

ASSEMBLY
NUMBER

DESCRIPTION

1802337

JOYSTICK CONTROL LINES & FITTINGS- UPPER

ITEM PART

NO. NUMBER DESCRIPTION

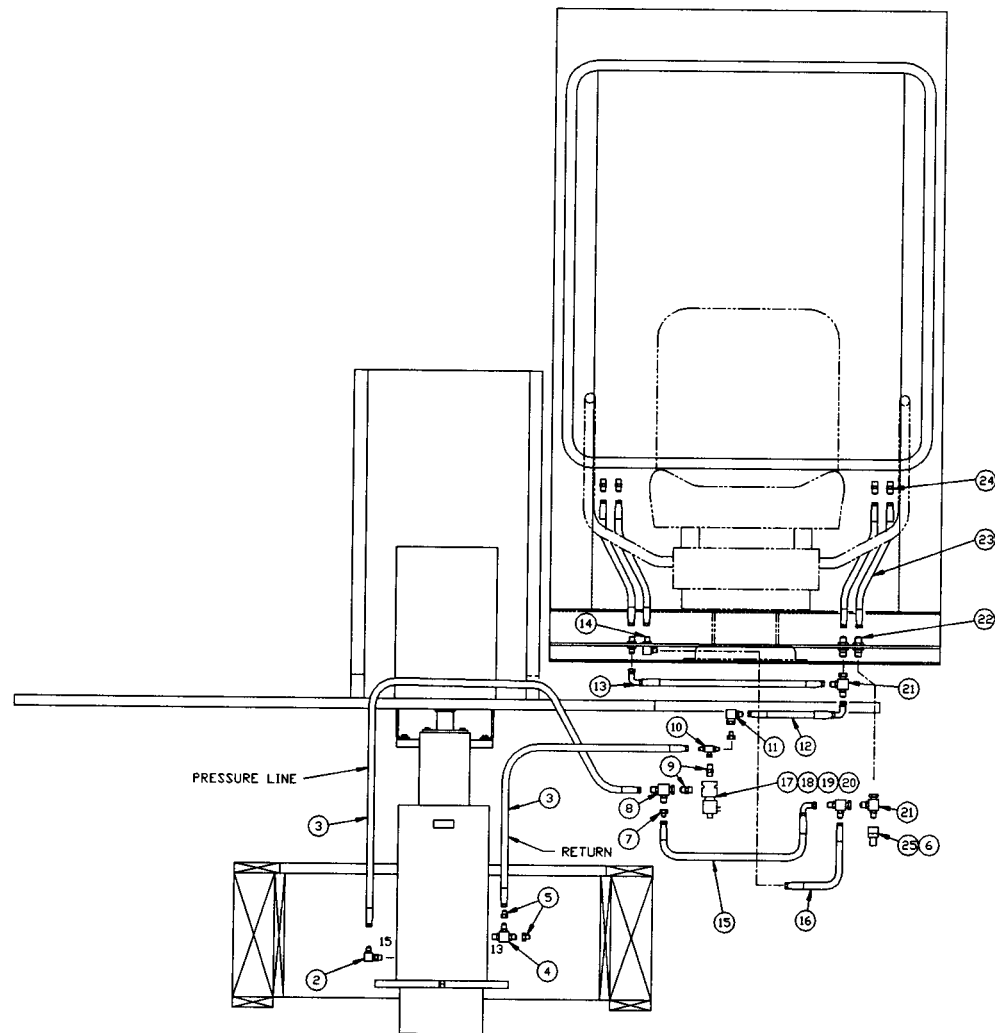
QTY.
USED

2	1800762	STRAIGHT MALE 3/8 O-RING TO 3/8 TUBE	8.00
3	1801358	HOSE ASSEMBLY 1503-6	8.00
4	1801033	3/8 TUBE STRAIGHT BULKHEAD UNION	6.00
5	1802531	90 DEGREE BULKHEAD TUBE ELBOW - 3/8	3.00
6	1801832	HOSE CLAMP - 3/4"	8.00
7	1801668	PRESSURE SENSING COUPLING - 3/8 TUBE	8.00
8	1800876	FD90 DUST CAP	8.00
9	1802378	HOSE ASSEMBLY 1503-6	1.00
10	1802252	HOSE ASSEMBLY 1503-6	1.00
11	1802372	HOSE ASSEMBLY 1503-6	1.00
12	1802408	HOSE ASSEMBLY 1503-6	1.00
13	1800794	90 DEG MALE ELBOW 3/8 O-RING TO 3/8 TUBE	4.00
14	1800858	3/8 TUBE RUN TEE M-F SWIVEL-M	4.00
15	1800881	MALE TEE 3/8 TUBE-3/8 TUBE-3/8 O-RING	4.00
16	1802383	STRAIGHT MALE 3/16 O-RING TO 3/8 TUBE	1.00
17	1800852	90 DEG TUBE ELBOW 3/8 M TO 3/8 F SWIVEL	1.00
18	1801359	HOSE ASSEMBLY 1503-6	1.00
19	1802375	HOSE ASSEMBLY 1503-6	1.00
20	1802376	HOSE ASSEMBLY 1503-6	2.00
21	1802377	HOSE ASSEMBLY 1503-6	1.00

SWINGMASTER CORPORATION
11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



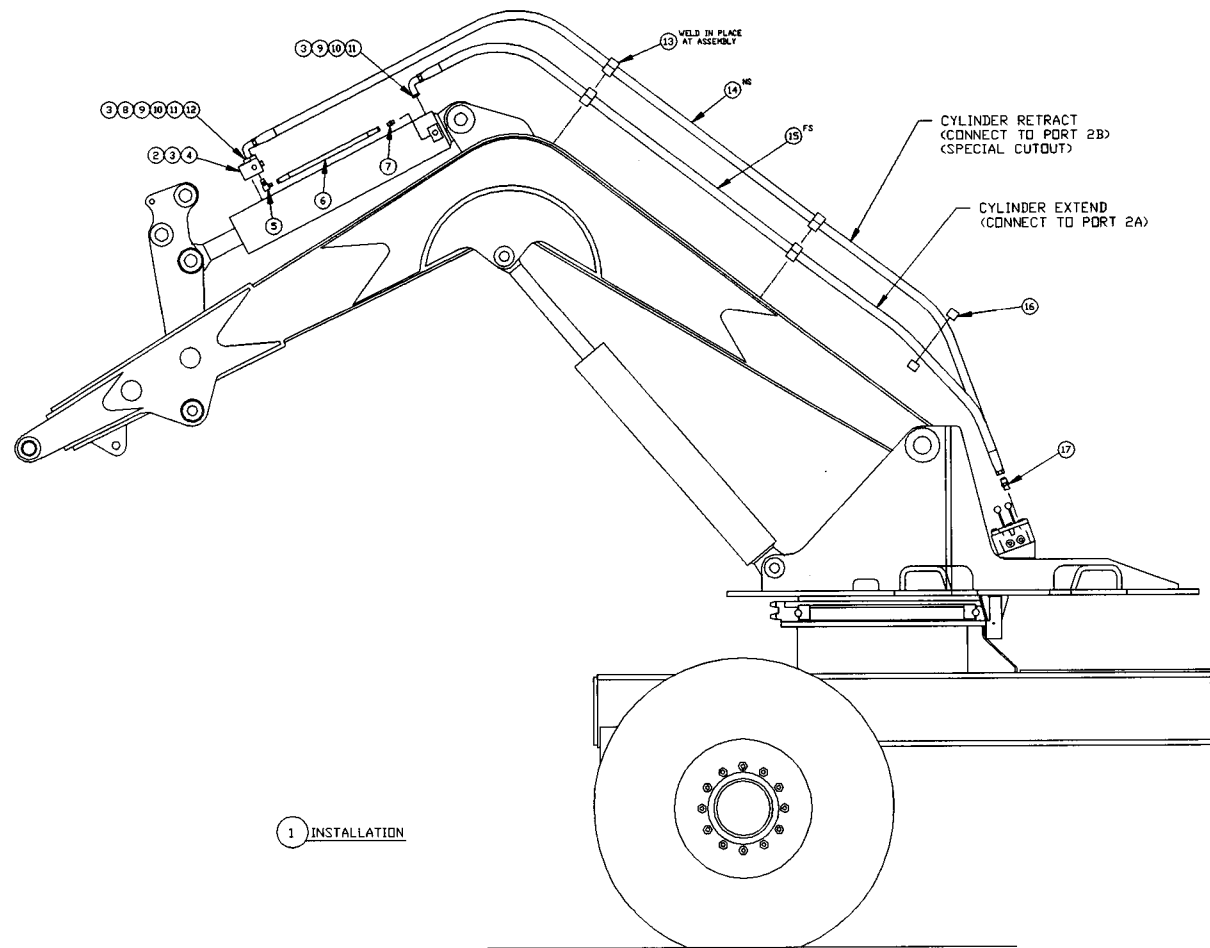
1 INSTALLATION

TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONS +/- 3 PLACE DECIMALS +/- 2 PLACE DECIMALS +/- 1 PLACE DECIMALS +/- ANGLES SEE SWINGMASTER SPECIFICATION G-1 FOR TOLERANCES NOT SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE DRAWING SCALE:	SWINGMASTER CORPORATION 11415 MELORE AVENUE FRANKLIN PARK, ILLINOIS 60131 H.R.C. PRESSURE & RETURN LINES & FITTINGS INSTALLATION - UPPER MODEL 361 DRAWN BY: B.V. DATE: 2-13-89 DRAWING NO. D-243
--	---

MACHINE	SECTION	20
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	

ASSEMBLY NUMBER	DESCRIPTION
1802336	H.R.C. PRESSURE & RETURN L & F - UPPER

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. USED
2	1800796	90 DEG MALE ELBOW 1/2 O-RING TO 1/2 TUBE	1.00
3	1801199	HOSE ASSEMBLY 1503 - 8	2.00
4	1802359	MALE TEE 3/4 TUBE- 3/4 TUBE- 3/4 O-	1.00
5	1802380	RING STRAIGHT TUBE ADAPTER 1/2-M TO	2.00
6	1800876	3/4-F FD90 DUST CAP	1.00
7	1802381	STRAIGHT TUBE ADAPTER 3/8-M TO 1/2-F	2.00
8	1800859	1/2 TUBE RUN TEE M-F SWIVEL-M	1.00
9	1800765	STRAIGHT MALE 1/2 O-RING TO 1/2	2.00
10	1802529	TUBE MALE TUBE TEE - 1/2	1.00
11	1800852	90 DEG TUBE ELBOW 3/8 M TO 3/8 F SWIVEL	1.00
12	1802363	HOSE ASSEMBLY 1503-6	1.00
13	1802364	HOSE ASSEMBLY 1503-6	1.00
14	1802531	90 DEGREE BULKHEAD TUBE ELBOW - 3/8	1.00
15	1802365	HOSE ASSEMBLY 1503-6	1.00
16	1801359	HOSE ASSEMBLY 1503-6	1.00
17	1802530	TAPPED STEEL BAR	1.00
18	1800267	SOLENOID CARTRIDGE VALVE - PILOT PRESS.	1.00
19	1800439	H.H.C.S. 1/4-20 X 1 1/2" LONG	2.00
20	1800567	1/4" LOCK WASHER	2.00
21	1800858	3/8 TUBE RUN TEE M-F SWIVEL-M	3.00
22	1801033	3/8 TUBE STRAIGHT BULKHEAD UNION	3.00
23	1802368	HOSE ASSEMBLY 1503-6	4.00
24	1800762	STRAIGHT MALE 3/8 O-RING TO 3/8 TUBE	4.00
25	1801668	PRESSURE SENSING COUPLING - 3/8 TUBE	1.00



1 INSTALLATION

TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONS +/- 3 PLACE DECIMALS +/- 2 PLACE DECIMALS +/- 1 PLACE DECIMALS +/- ANGLES SEE SWINGMASTER SPECIFICATION 0-1 FOR TOLERANCES NOT SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE DRAWING SCALE:	SWINGMASTER CORPORATION 11415 MELROSE AVENUE FRANKLIN PARK, ILLINOIS 60131 ATTACHMENT CYLINDER LINES & FITTINGS INSTALLATION MODEL 361 DRAWN BY: B.W. DATE: 2-6-89 DRAWING NO. D-248	
--	--	--

SWINGMASTER CORPORATION

PARTS BOOK

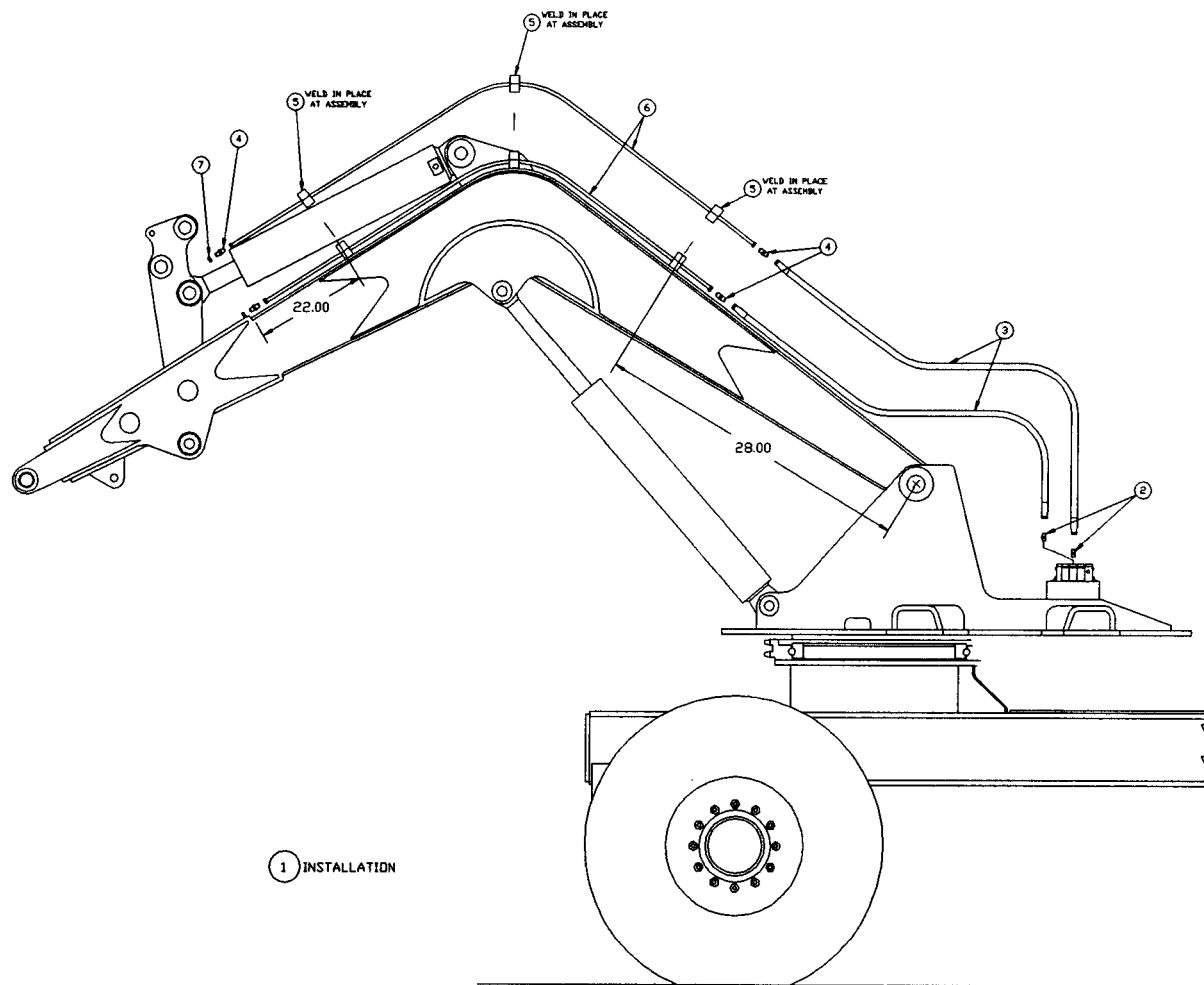
MACHINE	SECTION	20
-----	-----	-----
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	
-----	-----	-----

ASSEMBLY NUMBER	DESCRIPTION
-----	-----
1802407	ATTACHMENT CYLINDER LINES & FITTINGS
-----	-----

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. USED
-----	-----	-----	-----
2	1800209	COUNTERBALANCE VALVE - INCLUDES 2a + 2b	1
2a	8703027	CARTRIDGE - NOT SHOWN IN PICTURE	1
2b	8703028	VALVE BODY - NOT SHOWN IN PICTURE	1
3	1800819	1" 0-RING FOR SPLIT FLANGE HEAD	3
4	1800970	3/8" 0-RING BOSS PLUG - HEX HEAD	1
5	1800794	90 DEG MALE ELBOW 3/8 0-RING TO 3/8 TUBE	1
6	1802408	HOSE ASSEMBLY 1503-6	1
7	1800762	STRAIGHT MALE 3/8 0-RING TO 3/8 TUBE	1
8	1802319	12 POINT F.H.C.S. 3/8-16 X 4" LONG	2
9	1800867	12 POINT F.H.C.S. 3/8-16 X 1 1/4" LONG	6
10	1800568	3/8" LOCK WASHER	10
11	1800824	1" SPLIT FLANGE CLAMP HALF	4
12	1802318	12 POINT F.H.C.S. 3/8-16 X 3 1/2" LONG	2
13	1800230	HOSE CLAMP - 1 1/2"	4
14	1802409	HOSE ASSEMBLY 2781-16	1
15	1802410	HOSE ASSEMBLY 2781-16	1
16	1802411	TWIN CLAMP ASSEMBLY - 1 1/2"	1
17	1800771	STRAIGHT MALE 3/4 0-RING TO 1 TUBE	2
-----	-----	-----	-----

SWINGMASTER CORPORATION
11415 MELROSE AVENUE
FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224



1 INSTALLATION

1	11-29-90
REV. NO.	DATE

TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONS +/- 3 PLACE DECIMALS +/- 2 PLACE DECIMALS +/- 1 PLACE DECIMALS +/- ANGLES SEE SWINGMASTER SPECIFICATION G-1 FOR TOLERANCES NOT SPECIFIED DIMENSIONS ARE IN INCHES DO NOT SCALE DRAWING SCALE:	SWINGMASTER CORPORATION 11419 MELODIE AVENUE FRANKLIN PARK, ILLINOIS 60131	
	ATTACHMENT LINES & FITTINGS INSTALLATION	
	MODEL 361	DRAWN BY: B.W.
	DATE: 3-15-89	DRAWING NO. D-273

SWINGMASTER CORPORATION

PARTS BOOK

MACHINE	SECTION	20
MODEL 361 SWINGLOADER	HYDRAULIC SYSTEM	

ASSEMBLY NUMBER	DESCRIPTION
1802564	ATTACHMENT LINES & FITTINGS INSTALLATION

ITEM PART NO. NUMBER DESCRIPTION	QTY. USED
2 1801598 STRAIGHT MALE 5/8 O-RING TO 5/8 TUBE	2.00
3 1802566 HOSE ASSEMBLY 2781-10	2.00
4 1801072 5/8 TUBE STRAIGHT MALE UNION	4.00
5 1800229 HOSE CLAMP - 5/8"	6.00
6 1802565 TUBE ASSEMBLY - 10	2.00
7 1800887 5/8" TUBE CAP NUT	2.00

SWINGMASTER CORPORATION
11415 MELROSE AVENUE

FRANKLIN PARK, ILLINOIS 60131

TELEPHONE: (847) 451-1224

