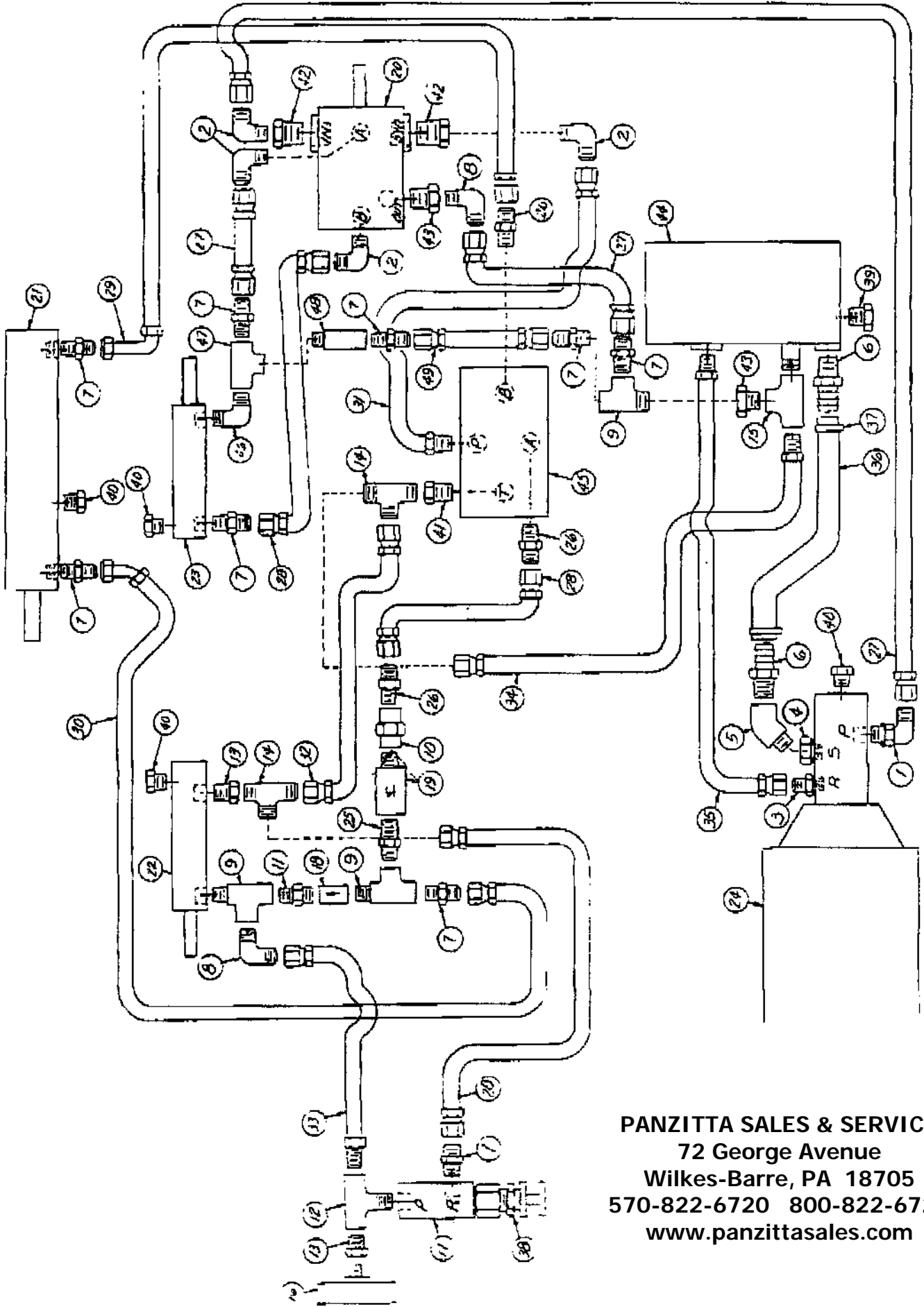


P. 9  
HYDRAULIC DIAGRAM



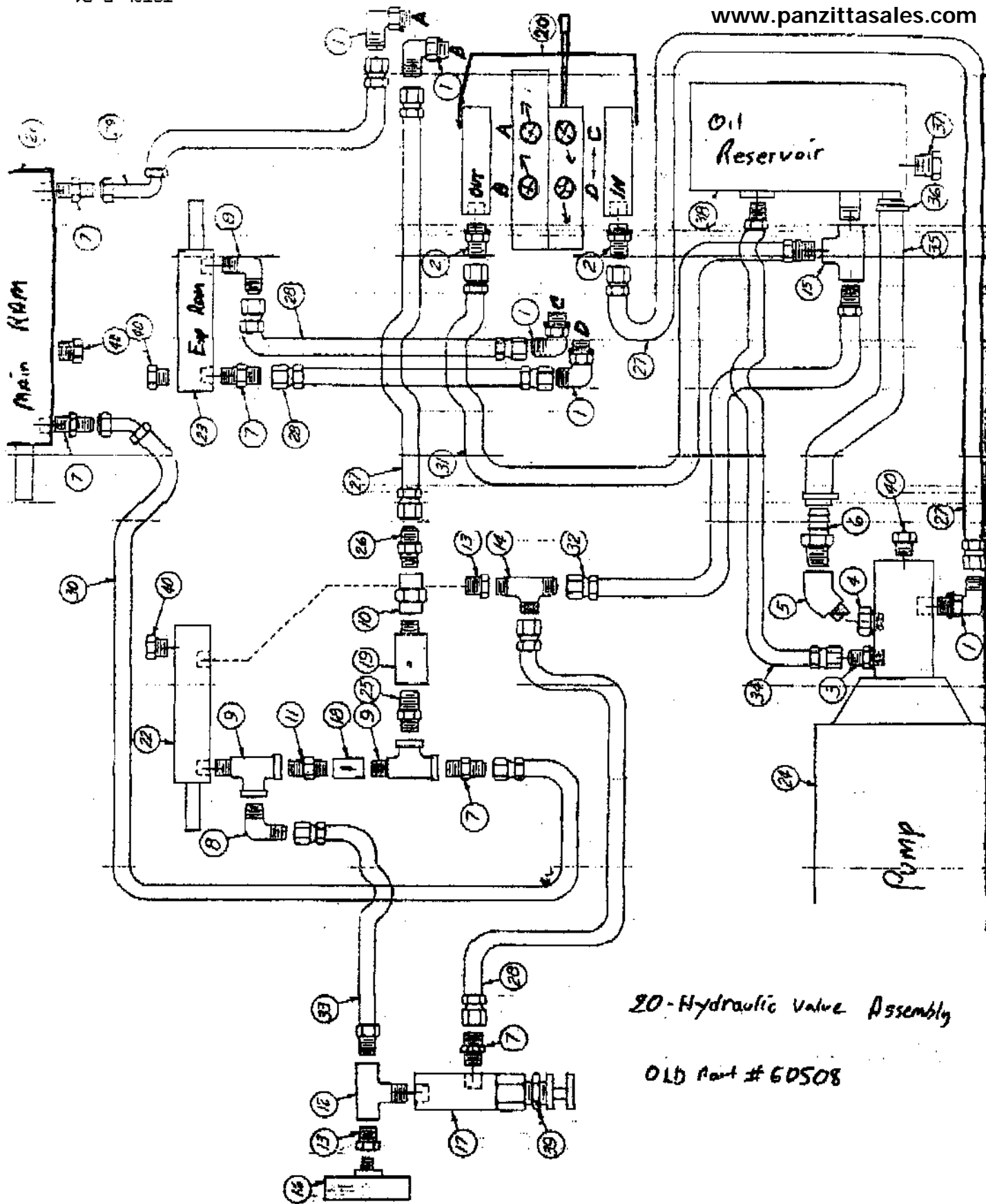
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 HYDRAULIC DIAGRAM  
 (CON'T.)

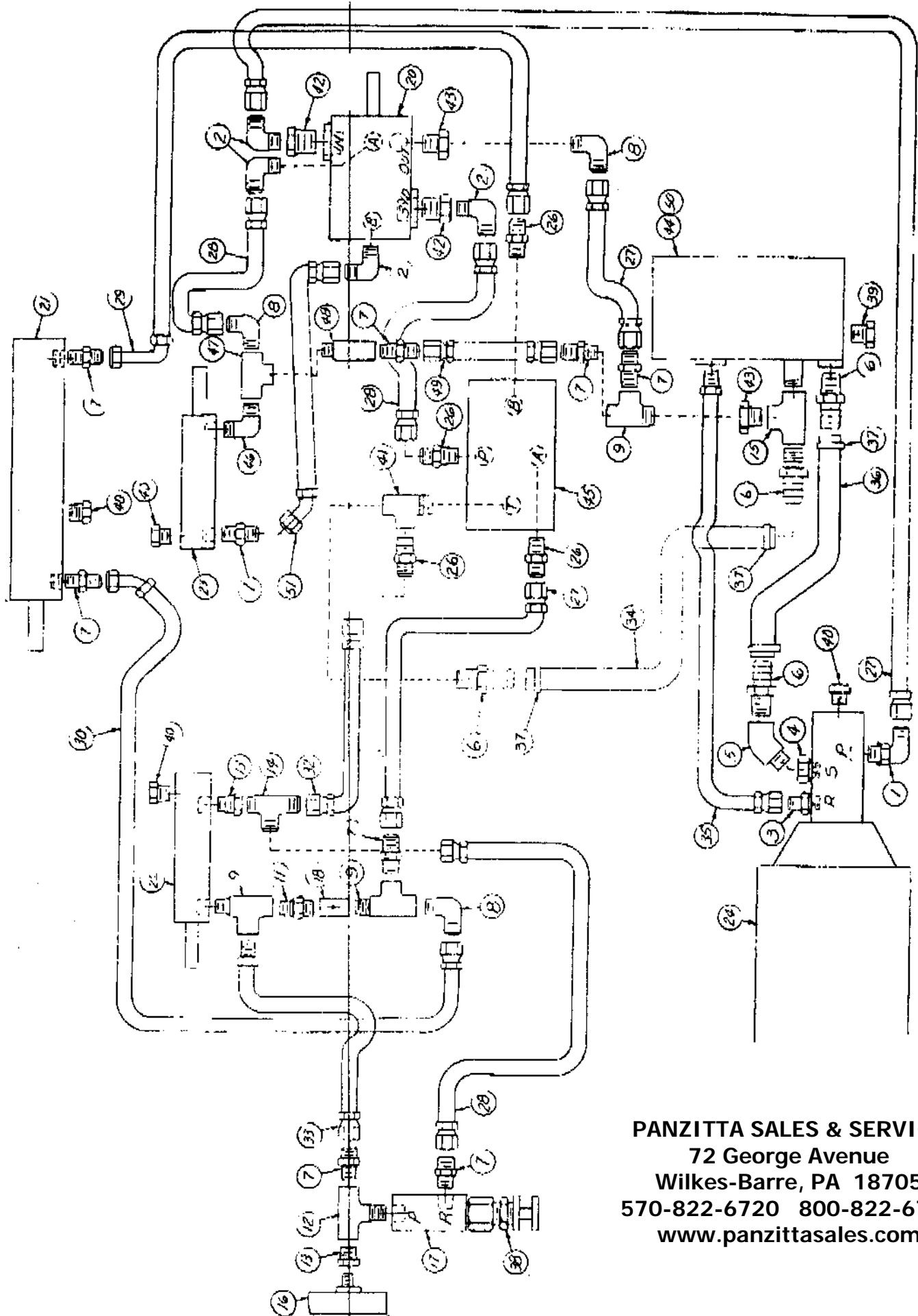
Code	Part Number	Part Name	Quantity Required Per Model			
1	60168	90° Elbow 3/8 O'Ring to JIC 9/16-18	1			
2	60053	90° Elbow-Male 1/2 NPT to JIC 9/16-18	4			
3	60111	Straight Connector O'Ring to JIC 1/2-20	1			
4	60113	Adapter - 3/4-16 O'Ring to 1/2 NPT	1			
5	60169	45° Street Elbow 1/2 NPT	1			
6	11282	Barb - Hose Fitting 1/2 NPT - 3/4 ID Hose	2			
7	60052	Male Connector - 3/8 NPT x JIC 9/16-18	9			
8	60054	90° Male Elbow Adapter 3/8 NPT x JIC 9/16-18	2			
9	60545	Male Run Tee 3/8 NPT	3			
10	60546	Coupling 1/2 NPT	1			
11	CP-2253	Hex Nipple 3/8 NPT	1			
12	60059	Male Branch Tee 3/8 NPT	1			
13	CP-2878	Pipe Bushing 3/8 NPT x 1/4 NPT	2			
14	60060	Male Run Tee 1/4 NPT x 9/16-18 JIC x 9/16-18 JIC	2			
15	CP-3520	Pipe Tee 1/2 NPT	1			
16	60085	Pressure Gauge	1			
17	60082	Relief Valve	1			
18	60083	Check Valve	1			
19	60509	Flow Check Valve	1			
20	60079	Hydraulic Valve - (Cross)	1			
21	60430	Main Hydraulic Cylinder	1			
22	60077	Back Pressure Hydraulic Cylinder	1			
23	60078	Expander Hydraulic Cylinder	1			
24	60075	Motor & Pump Assembly	1			
25	13665	Hex Nipple 1/2 NPT x 3/8 NPT	1			
26	60061	Adapter - Male Connector 1/2 NPT x 9/16-18 JIC	3			
27	60065	Hose Ass'y. 3/8 ID: 26-1/2 Long	3			
28	60547	Hose Ass'y. 3/8 ID: 19-1/2 Long	1			
29	60064	Hose Ass'y. 3/8 ID: 10 Long	1			
30	60063	Hose Ass'y. 3/8 ID: 35-1/4 Long	1			
31	60072	Hose Ass'y. 3/8 ID: 22 Long	1			
32	60070	Hose Ass'y. 3/8 ID: 15-3/8 Long	1			
33	60068	Hose Ass'y. 3/8 ID: 10-1/4 Long	1			
34	60069	Hose Ass'y. 3/8 ID: 31 Long	1			
35	60412	Hose Ass'y. 1/4 ID: 22 Long	1			
36	60074	Hose - Suction 3/8 ID	2			
37	CP-6303	Hose Clamp	1			
38	60058	Bulkhead Nut	1			
39	CP-5537	Pipe Plug 1/2 NPT	1			
40	CP-3698	Pipe Plug 3/8 NPT	1			
41	CP-2755	Pipe Bushing 1/2 x 1/4	2			
42	CP-7074	Pipe Bushing 3/4 x 1/2	2			
43	60312	Pipe Bushing 1/2 x 3/8	1			
44	60027	Oil Reservoir	1			
45	60080	Control Valve	1			
46	60694	90° Male Elbow 5/8 NPT	1			
47	CP-3052	Tee - Female 5/8 NPT	1			
48	60693	Relief Valve 5/8 NPT	1			
49	60052	Hose Assembly 3/8 ID: 12-3/4 Long	1			
5	60561	5 Gallons Hydraulic Fluid (Bulk)				

TOTAL P.01



20-Hydraulic Valve Assembly  
 OLD Part # 60508

# HYDRAULIC DIAGRAM MODELS MX29 & MS19



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Code	Part Number	Part Name	Quantity Required Per Model								
			MS19	MS19							
1	60368	90° Elbow	3/8 ORB x 9/16 - 18 JIC	1	1						
2	60053	90° Elbow - Male	1/2 NPT x " "	4	4						
3	60414	Straight Connector	1/2 ORB x 1/2 - 20 JIC	1	1						
4	60413	Adapter	3/4 ORB x 1/2 NPT	1	1						
5	60369	45° Street Elbow	1/2 NPT	1	1						
6	11232	Barb Hose Fitting	1/2 NPT x 3/4 ID Hose	4	4						
7	60052	Male Connector	3/8 NPT x 9/16 - 18 JIC	9	9						
8	60054	90° Male Elbow Adapter	" " "	3	3						
9	60545	Male Run Tee	3/8 NPT	3	3						
11	CP-2253	Hex Nipple	3/8 NPT	1	1						
12	60059	Male Branch Tee	3/8 NPT	1	1						
13	CP-287R	Pipe Bushing	3/8 NPT x 1/4 NPT	2	2						
14	60060	Male Run Tee	1/4 NPT(1) x 9/16 - 18 JIC(2)	1	1						
15	CP-3570	Pipe Tee	1/2 NPT	1	1						
16	60085	Pressure Gauge		1	1						
17	60082	Relief Valve		1	1						
18	60083	Check Valve		1	1						
20	60079	Hydraulic Valve (Cross)		1	1						
21	60430	Main Hydraulic Cylinder		1	1						
22	60077	Back Pressure Hydraulic Cylinder		1	1						
23	60078	Expander Hydraulic Cylinder		1	1						
24	60075	Motor and Pump Assembly		1	1						
26	60061	Male Connector	1/2 NPT x 9/16 - 18 JIC	4	4						
27	60065	Hose Assy - 3/8 ID	25 1/2 Long	3	3						
28	60547	" " "	19 1/2 Long	3	3						
29	60064	" " "	40 Long	1	1						
30	60864	" " "	24 Long	1	1						
32	60070	" " "	15 3/8 Long	1	1						
33	60068	" " "	10 1/4 Long	1	1						
34	60866	Hose - Return 3/8 ID		1	1						
35	60412	Hose Assy 1/4 ID	22 Long	1	1						
36	60074	Hose - Suction 3/4 ID	35 Long	1	1						
37	CP-6303	Hose Clamp		4	4						
38	60058	Bulkhead Nut		1	1						
39	CP-5537	Pipe Plug	1/2 NPT	1	1						
40	CP-3638	" " (Replacement Only)	3/8 NPT	4	4						
41	14313	Street Tee	1/2 NPT	1	1						
42	CP-2074	Bushing - Pipe	3/4 x 1/2	2	2						
43	60312	" "	1/2 x 3/8	2	2						
44	60623	Oil Reservoir Str.		1	1						
45	60931	Control Valve		1	1						
46*	61063	90° Male Elbow (Use w/Lantex Cylinder only)	3/8 NPT x 1/2 NPT	1	1						
47	CP-3962	Tee - Female	3/8 NPT	1	1						
48	60693	Relief Valve	3/8 NPT	1	1						
49	60062	Hose Assy - 3/8 ID	11 3/4 Long	1	1						
50	60382	Inlet Strainer (In Oil Reservoir)		1	1						
51	61092	Hose Assy - 3/8 ID	22 Long	1	1						
46*	60694	90° Male Elbow	3/8 NPT x 3/8 NPT	1	1						