

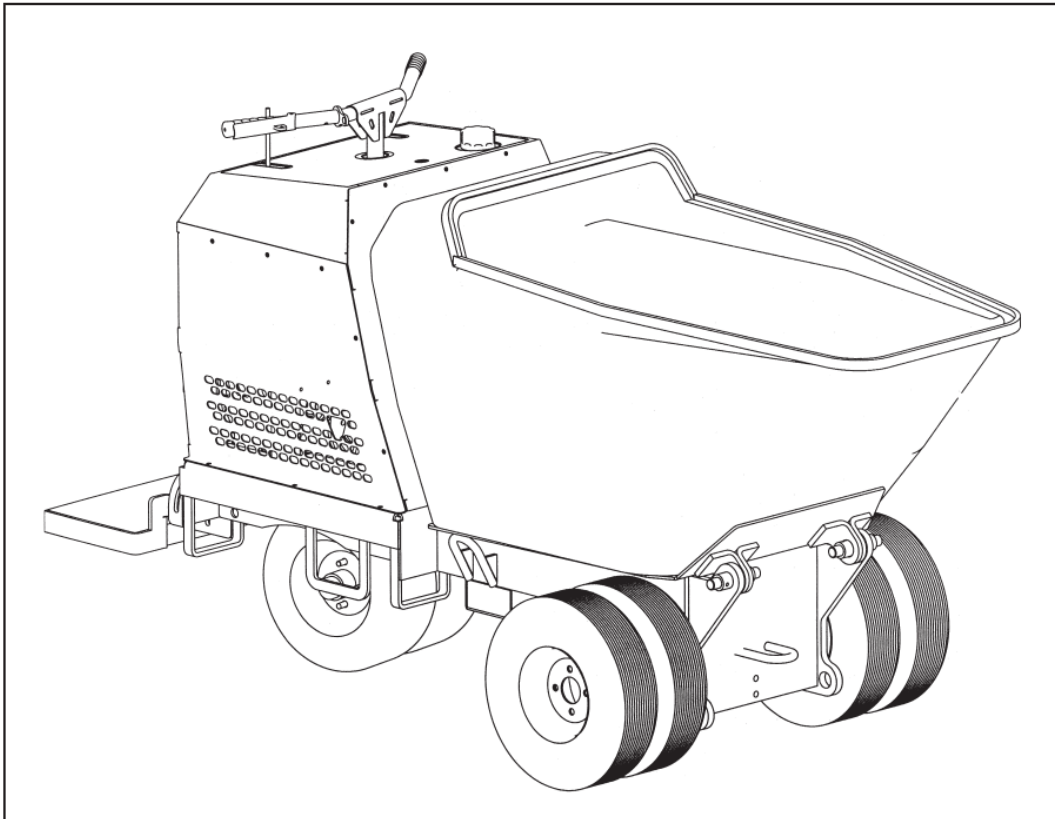


Ingersoll-Rand

LIGHT CONSTRUCTION EQUIPMENT

REPAIR PARTS MANUAL CONCRETE BUGGY

PB16130HPE~PB16130HE~PB16130H~PB16130HP



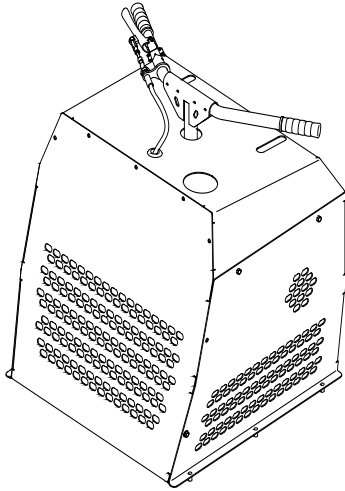
SALES SERVICE-PARTS RENTAL
Mississippi Valley Equipment

2819 Larson St. LaCrosse, WI 54603 (608) 781-8688
www.mississippivalleyequipment.com infodesk@eq-repair.com

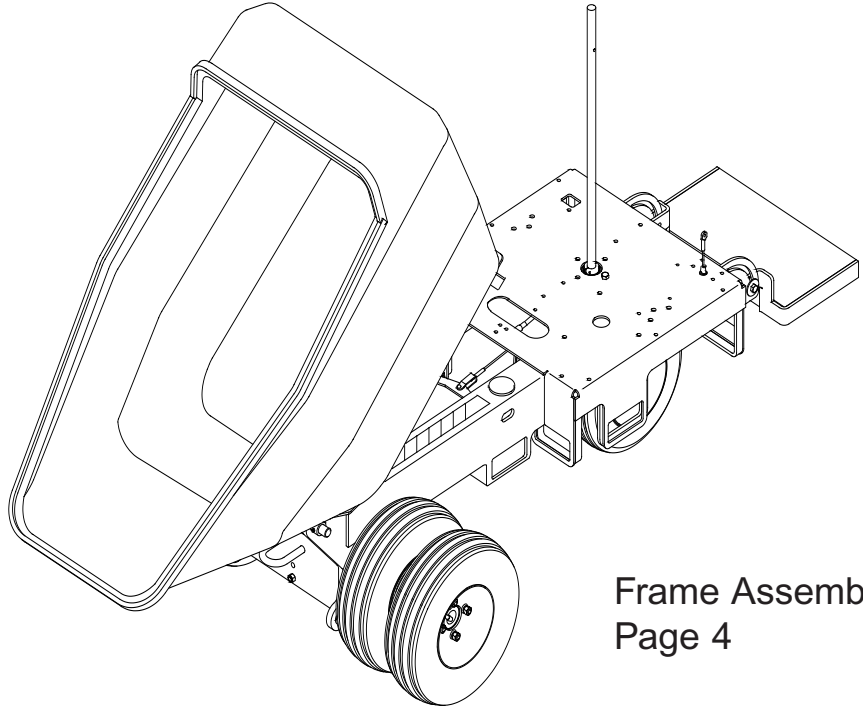
Manual # 24896573 (3/03)

CONCRETE BUGGY

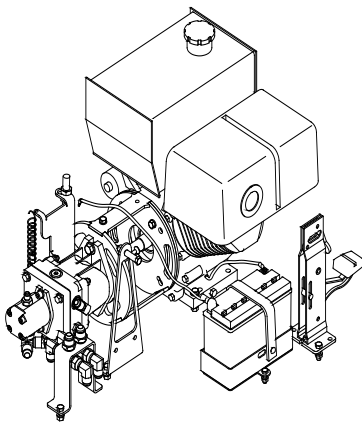
PB16



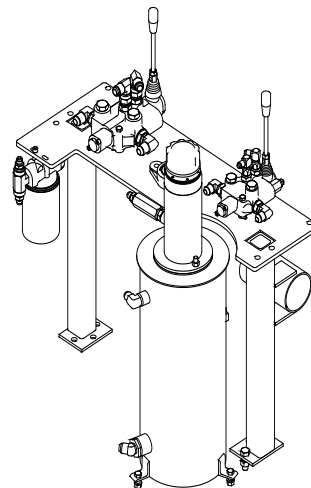
Hood Assembly
Page 3



Frame Assembly
Page 4

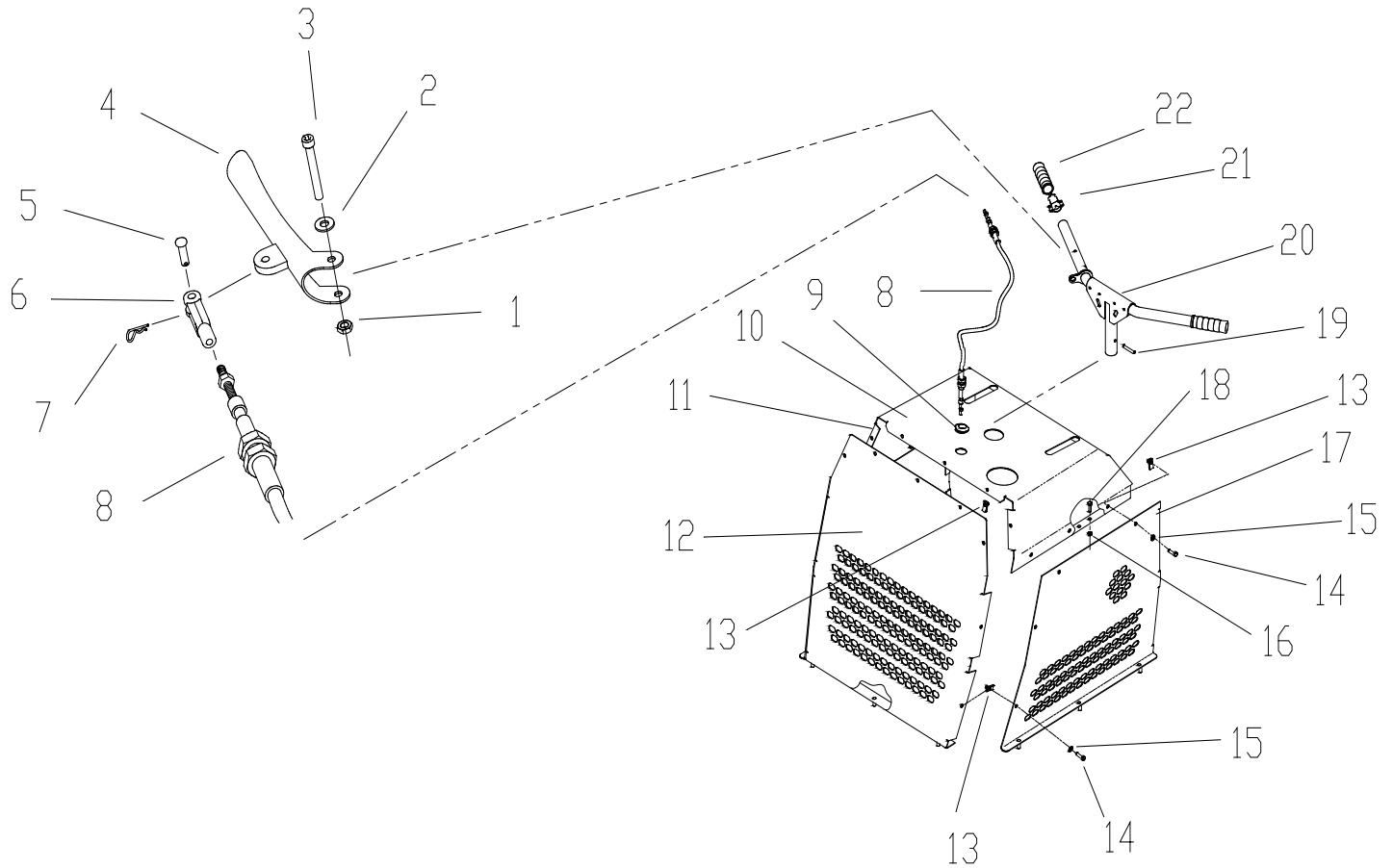


Drive Kit Assembly
Page 6



Hydraulics Assembly
Page 8

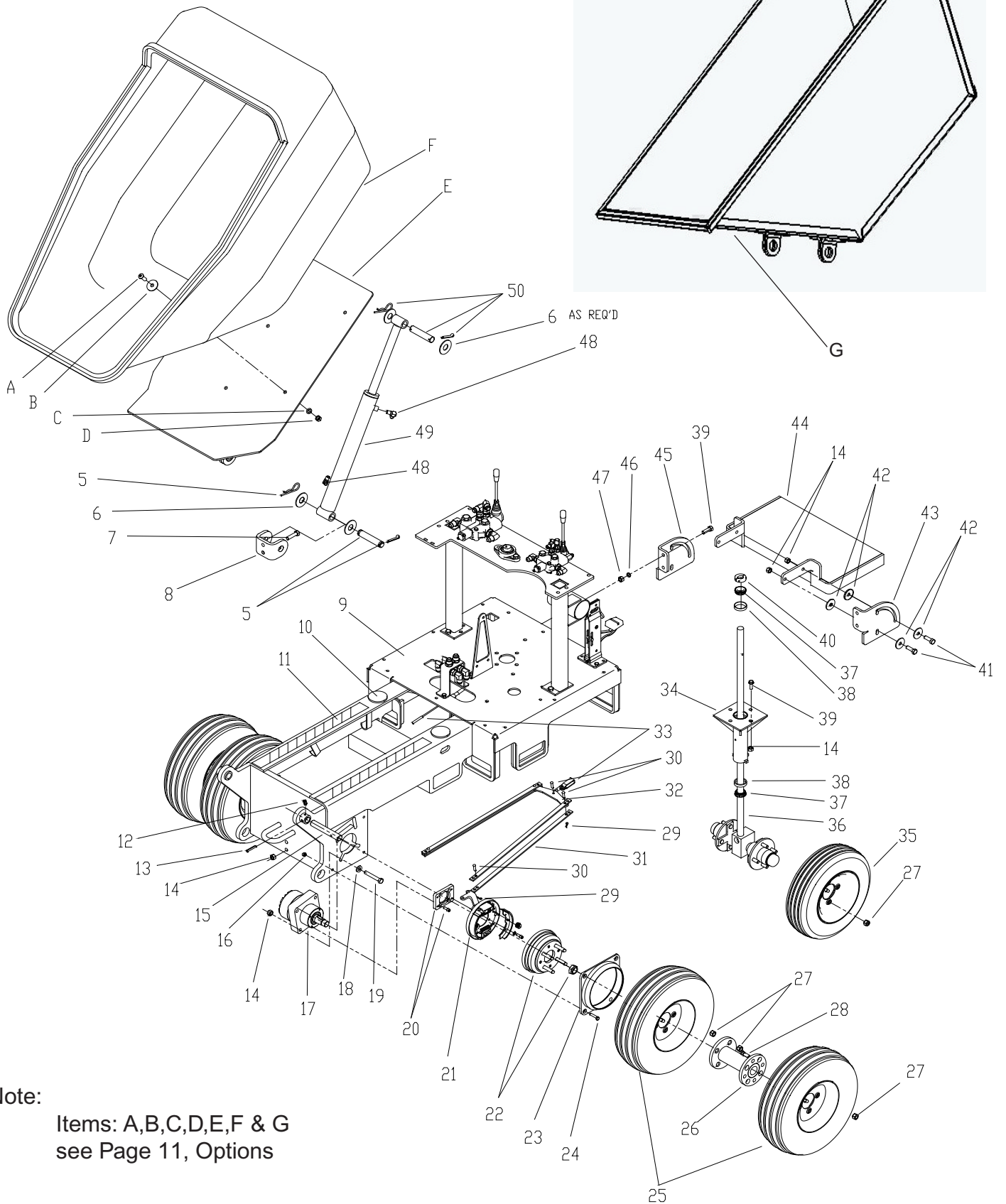
HOOD ASSEMBLY



Ref	Part	Description	Qty
1	24902215	Nut, Hex, 1/4, Lock	1
2	24901514	Washer, 5/16	2
3	24904856	Shoulder Screw, 5/16 x 1-1/2"	1
4	24904229	Clutch Lever	1
5	24902397	Clevis Pin, 1/4 x .78lg	1
6	24905051	Clevis Yoke. 1/4-28	1
7	24902413	Hair Pin, Cotter, 3/32 x 1-3/16	1
8	24904575	Cable, Control, Green 48"lg	1
9	24904906	Grommet. 1-3/4 - 1 - 1/2	1
10	24905101	Hood, Top	1
11	24905119	Hood, Side RH	1
12	24904138	Hood, Back	1
13	24904914	Panel Nut, 5/16	9
14	24901969	Bolt, HexHd, 5/16 x 1	9
15	24901506	Washer, 3/8	9
16	24902223	Nut, Hex, 3/8, Lock	6
17	24905127	Hood, Side LH	1
18	24902009	Bolt, HexHd, 3/8 x 1	6
19	24901308	5/16 Double Spring Pin (roll pin)	1
20	24904211	Handlebar	1
21	24904534	Switch, Emergency Stop	1
22	24904112	Handgrips, 1.25" black	2

FRAME ASSEMBLY

~ Basic Model ~



Note:

Items: A,B,C,D,E,F & G
see Page 11, Options

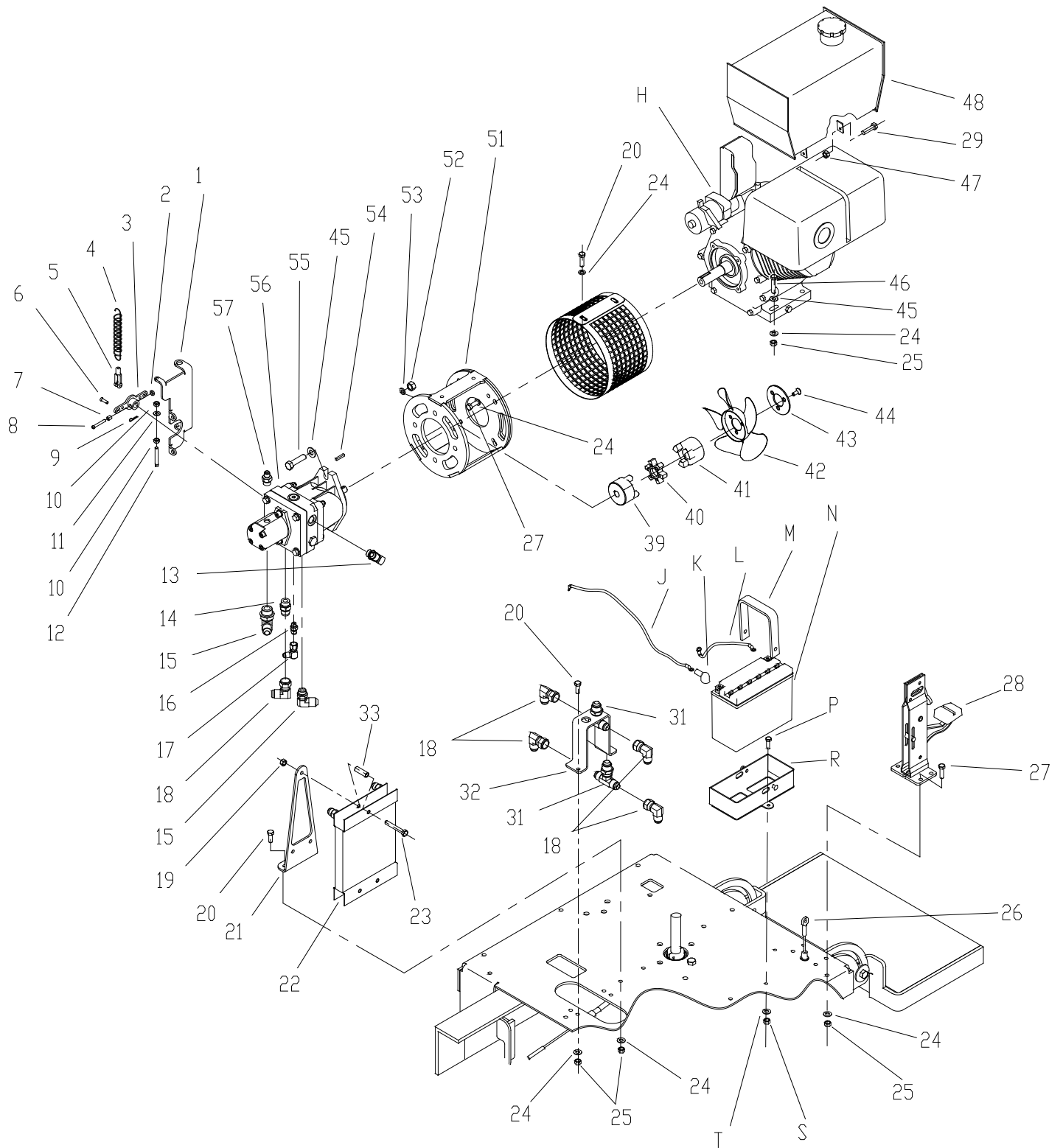
FRAME ASSEMBLY

~ Basic Model ~

Ref	Part	Description	Qty
5	24904633	Pin, 1" o/d x 4.25" lg	1
6	24902355	Washer, Pin, 1-1/2 o/d x 1 i/d	4
7	24902173	Bolt, HexHd, 1/2 x 2-3/4	2
8	24904120	Clevis, Cylinder	1
9	24905002	Frame	1
10	24904880	Bump Stop, 3" Dia	2
11	24904872	Tape, Hazard 2" Yellow & Black	4 ft
12	24901076	Grease Fitting 1/8 NPT	4
13	24901308	5/16 Double Spring Pin (roll pin)	2
14	24901233	Lock Nut, 1/2	18
15	24904195	Pin, Dump	2
16	24902231	Nut, 5/16	8
17	24904765	Wheel Motor, 15.4 in ³ /rev, 4 Bolt, HGM, RH	1
17	24904773	Wheel Motor, 15.4 in ³ /rev, 4 Bolt, HGM, LH	1
18	24901498	Washer, Plain, 1/2	8
19	24902181	Bolt, HexHd, 1/2 x 3-1/4	8
20	24905093	Brake Mounting Block	2
21	24905077	Brake Kit, LH	1
21	24905085	Brake Kit, RH	1
22	24905069	Drum Hub, Brake	2
23	24904179	Seal, Brake Drum	2
24	24901985	Bolt, HexHd, 5/16 x 1-1/2	8
25	24904716	Wheel ~ 5.70 x 8 x 19 Extra Grip - 4 Bolt Pattern	4
26	24905028	Wheel Extension	2
27	24901837	Nut, Lug, 1/2-20 UNF	32
28	24904674	Wheel Bolt	8
29	24902413	Hair Pin, Cotter, 3/32 x 1-3/16	5
30	24902405	Clevis Pin, 5/16 x .94lg	5
31	24904641	Brake Link	4
32	24904617	Bracket, Brake Equalizer	1
33	24904583	Cable, Brake, 48" x 56.5" Black	1
34	24905010	Steering Shaft Bearing Tube	1
35	24904740	Wheel ~ 4.80 x 8 x 16 - 4 Bolt Pattern	2
36	24905036	Steering Shaft	1
37	24904559	Cone Brg 1"-L44643	2
38	24904542	Brg, Cup, 1"-L44610	2
39	24902132	Bolt, HexHd, 1/2 x 1-1/2	8
40	24904815	Collar, 1" Locking	1
41	24902157	Bolt, HexHd, 1/2 x 1-3/4	4
42	24901498	Washer, Plain, 1/2	8
43	24904146	Bracket Mount, Stand Left	1
44	24904237	Stand W.A. Diamond Grip	1
45	24904153	Bracket Mount, Stand Right	1
46	24901597	Washer, Spring, 1/2	4
47	24902272	Nut, 1/2	4
48	24903239	Ftg. 90° #4 NPT ~ #6 JIC Male	2
49	24904724	Cylinder, 2" x 16" (24" retracted Lgth)	1
50	24904625	Pin, 1" o/d x 3-3/4" lg, c/w	1

DRIVE KIT ASSEMBLY

~ Basic Model ~

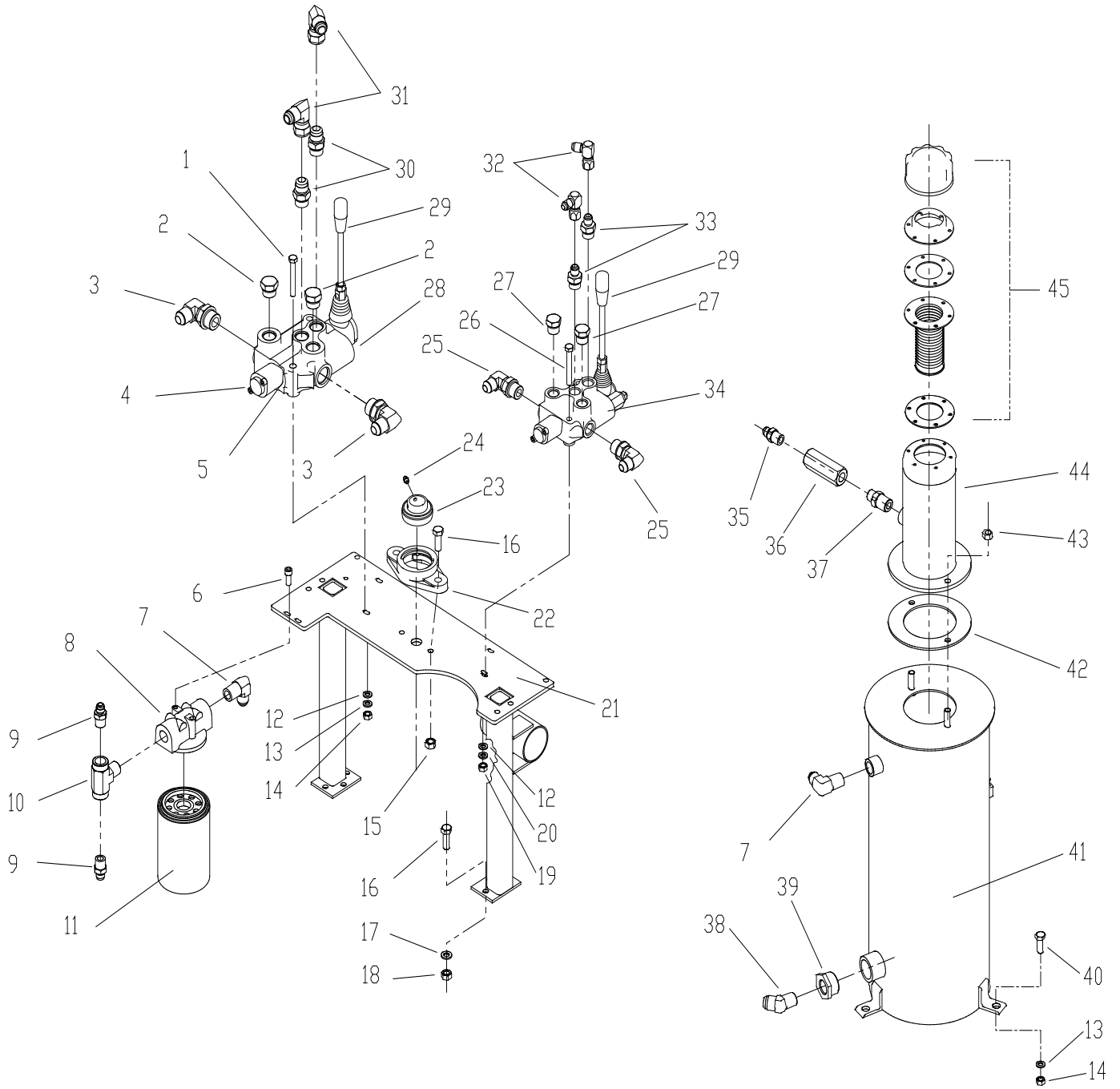


Note:

Items: H, J, K, L, M, N, P, R, S & T
See Page 11, Options.

Ref	Part	Description	Qty
1	24904963	Clutch Bracket	1
2	24904989	Locknut, Nylon M6-1	1
3	24904864	Hydraulic Lever	1
4	24902322	Ext Spring 3/4 x 4 x .080 wire	1
5	24905051	Clevis Yoke 1/4-28	1
6	24902397	Clevis Pin, 1/4 x .78lg	1
7	24904971	Spacer, Hydro Lever	1
8	24902348	SHCS M6-1 x 40	1
9	24902413	Hair Pin, Cotter, 3/32 x 1-3/16	1
10	24902231	Nut, 5/16	2
11	24901571	Washer, Spring, 5/16	1
12	24904849	SQHD SS 5/16 x 2"	1
13	24904450	Fitting, 90° #8 ORB Male ~ #8 JIC Male	1
14	24903247	Fitting, #8 ORB Male ~ #10 JIC Male	1
15	24904310	Fitting, 90° #8 ORB Male ~ #10 JIC Male	2
16	24904427	Fitting, #4 ORB Male ~ #6 JIC Male	1
17	24904369	Fitting, 90° #6 JIC Female ~ #6 JIC Male	1
18	24904492	Fitting, 90° #10 JIC Female ~ #10 JIC Male	5
19	24902223	Nut, Nylon Lock, 3/8	3
20	24902009	Bolt, HexHD, 3/8 x 1	10
21	24904518	Cooler Mounting Bracket	1
22	24903171	Hydraulic Oil Cooler	1
23	24902066	Bolt, HexHD, 3/8 x 2-1/2	3
24	24901589	Washer, Spring, 3/8	18
25	24902256	Nut, 3/8	12
26	24904583	Cable, Brake, 48" x 56-1/2" Black	1
27	24902017	Bolt, HexHD, 3/8 x 1-1/4	4
28	24904997	Park Brake Assembly	1
29	24901969	Bolt, HexHD, 5/16 x 1	2
31	24904484	Fitting, Bulkhead Tee, #10 JIC Male	2
32	24904500	Bracket, Bulkhead Hose	1
33	24902769	Spacer	6
39	24904732	Coupler, L100 x 17mm dia	1
40	24903056	Insert, L099-100U Blue	1
41	24903031	Coupler, L100 x 1" dia	1
42	24903023	Fan, 8" CCW	1
43	24902975	Fan Collar 1"	1
44	24901423	CSK SHCS 5/16 x 3/4	3
45	24901498	Washer, Plain, 1/2	2
46	24902033	Bolt, HexHD, 3/8 x 1-3/4	4
47	24902249	Lock Nut, 5/16	2
48	24904526	Gas Tank, W.A.	1
50	24902991	Guard, 9" Dia	1
51	24904203	Pump - Motor Connecting Bracket	1
52	24902272	Nut, 1/2	2
53	24901597	Washer, Spring, 1/2	2
54	24902314	Key 3/16 x 1-1/8	1
55	24902165	Bolt, HexHD, 1/2 x 2	2
56	24904757	Pump, Hyd, 1.23 in ³ /rev, Var. Displ. 17 mm Shaft	1
57	24904328	Fitting, #6 ORB Male ~ #8 JIC Male	1

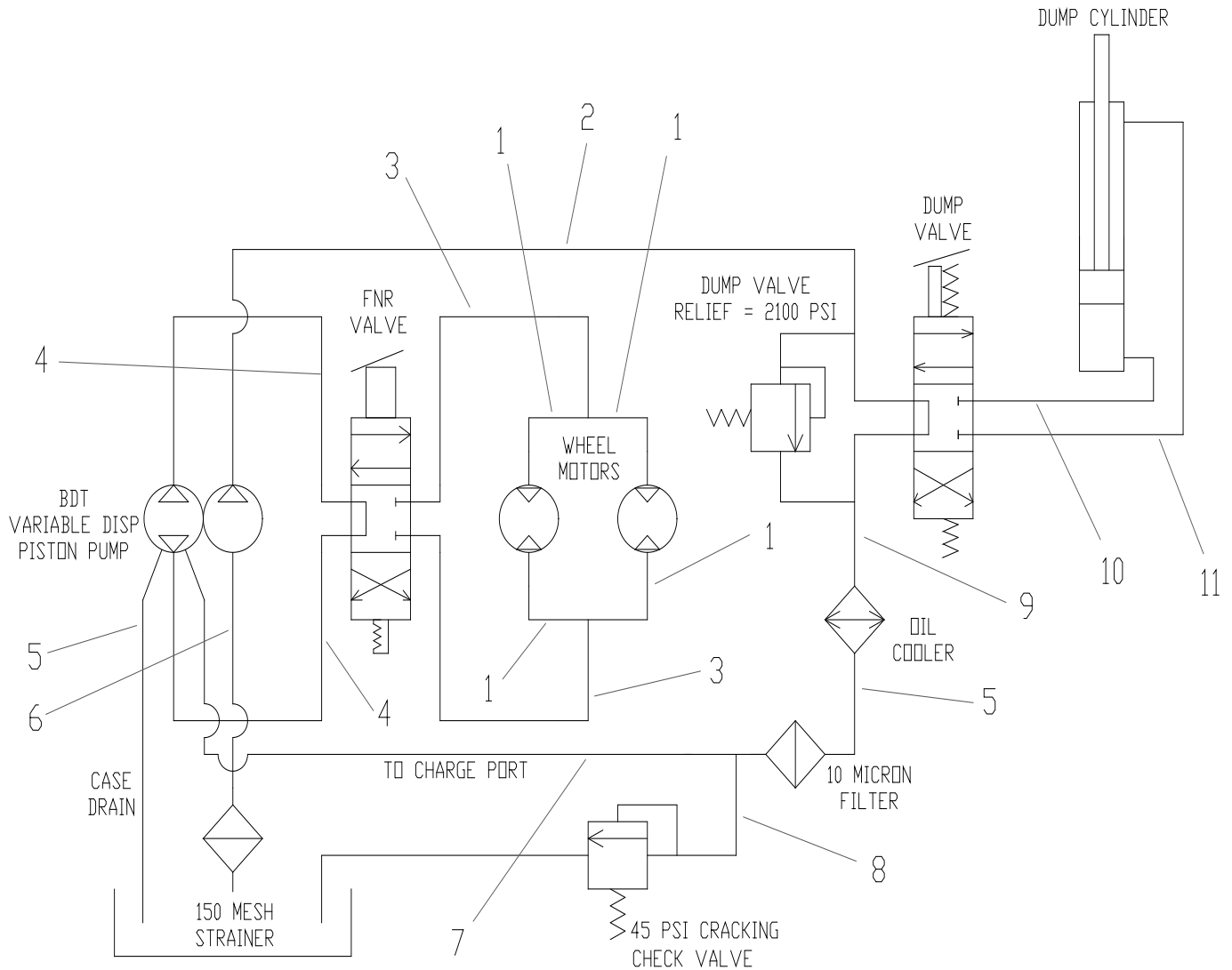
HYDRAULICS ASSEMBLY



HYDRAULICS ASSEMBLY

Ref	Part	Description	Qty
1	24902306	Bolt, HexHD, 3/8 x 2-3/4	2
2	24903312	Ftg. Plug #10 ORB	2
3	24903346	Ftg. 90° #12 ORB Male ~ #10 JIC Male	2
4	24904591	Detent Kit BM70	1
5	24904781	Valve, Single Spool 24 gpm	1
6	24902330	SHCS 1/4 x 1	2
7	24904385	Ftg. 90° #8 NPT Male ~ #8 JIC Male	2
8	24904245	Head, Filter, Inline #8 NPT Female	1
9	24904401	Ftg. #8 NPT Male ~ #6 JIC Male	2
10	24904393	Ftg. Branch Tee #8 NPT ~ 1-Male ~ 2-Female	1
11	24904252	Element Filter - 10 Micron spin on.	1
12	24901506	Washer, Plain, 3/8	4
13	24901589	Washer, Spring, 3/8	5
14	24902256	Nut, 3/8	5
15	24901233	Nut, 1/2, Lock	2
16	24902132	Bolt, HexHD, 1/2 x 1-1/2	8
17	24901597	Washer, Spring, 1/2	6
18	24902272	Nut, 1/2	6
19	24902231	Nut, 5/16	2
20	24901571	Washer, Spring, 5/16	2
21	24904955	Valve Mounting bracket	1
22	24904823	Flange Bearing Assembly	1
23	24904831	Bearing Insert 1"	1
24	24901076	Grease Fitting, 1/8 NPT	1
25	24904344	Ftg. 90° #8 JIC Male ~ #10 ORB Male	2
26	24902389	Bolt, HexHD, 5/16 x 2-1/2	2
27	24903320	Ftg. Plug #8 ORB	2
28	24904609	Relief Valve Plug	1
29	24905143	Handle, Valve	2
30	24904476	Ftg. #10 ORB Male ~ #10 JIC Male	2
31	24904492	Ftg. 90° #10 JIC Female ~ #10 JIC Male	2
32	24904369	Ftg. 90° #6 JIC Female ~ #6 JIC Male	2
33	24903304	Ftg. #8 ORB Male ~ #6 JIC Male	2
34	24904799	Valve, Single Spool 12 gpm	1
35	24904435	Ftg. #6 JIC Male ~ #6 NPT Male	1
36	24904260	Check Valve 45 psi #6 NPT Female	1
37	24904443	Ftg. #6 NPT Male ~ #8 NPT Male	1
38	24903270	Ftg. 45° #10 JIC Male ~ #8 NPT Male	1
39	24904567	Screen Suction, 100 Mesh 1" NPT	1
40	24902009	Bolt, HexHD, 3/8 x 1	3
41	24902942	Hydraulic Reservoir Assembly	1
42	24904898	Gasket, Rubber, 5-1/2" dia	1
43	24902223	Nut, 3/8, Nylon Lock	2
44	24904294	Filler Neck	1
45	24904278	Filler, Breather Bayonet Style Black	1

HYDRAULIC SCHEMATIC



Ref	Part	Description	Qty	Location
1	24904286	Hose 40" #10 JIC Male ~ #10 ORB Male 45° Swivel	4	Wheel Motor to Blk Hd Brkt
2	24904336	Hose, 36", #8 JIC Female ~ #8 JIC Female	1	12gpm Valve to Pump (485080)
3	24904708	Hose. 29" #10 JIC Female ~ #10 JIC Female	2	24 gpm Valve to Blk Hd Tee
4	24904468	Hose, 28", 90° #10 JIC Female ~ #10 JIC Female	2	24gpm Valve to Pump (412910)
5	24903221	Hose, 18", #8 JIC Female ~ #8 JIC Female	1	Res to Pump (485096)
5	24903221	Hose, 18", #8 JIC Female ~ #8 JIC Female	1	Filter to Oil Cooler
6	24904302	Hose, 12", #10 JIC Female ~ #10 JIC Female	1	Res to Pump (485079)
7	24904419	Hose 24", #6 JIC Female ~ #6 JIC Female	1	Filter to Pump (485085)
8	24904682	Hose, 13", 90° #6 JIC Female ~ #6 JIC Female	1	Filter to Filter (485089)
9	24904351	Hose, 24", #8 JIC Female ~ #8 JIC Female	1	12gpm Valve to Oil Cooler
10	24904690	Hose, 76", #6 JIC Female ~ #6 JIC Female	1	12 gpm Valve to Cylinder
11	24904377	Hose, 84", #6 JIC Female ~ #6 JIC Female	1	12 gpm Valve to Cylinder

MODEL OPTIONS

	Ref	Part	Description	Qty
		22226195	PB16130HP	
Page 4	A	24902363	BHSCS 1/2 x 1-1/2 Black	6
Page 4	B	24902371	Washer, Fender, 1/2 i/d x 2 o/d	6
Page 4	C	24901597	Washer, Spring, 1/2	6
Page 4	D	24902272	Nut, 1/2	6
Page 4	E	24905044	Plate, Dump	1
Page 4	F	24904161	Bucket, Poly	1
Page 6	H	24901894	Engine Honda 13HP GX 390 K1QA6	1
		22227359	PB16130HPE	
Page 4	A	24902363	BHSCS 1/2 x 1-1/2 Black	6
Page 4	B	24902371	Washer, Fender, 1/2 i/d x 2 o/d	6
Page 4	C	24901597	Washer, Spring, 1/2	6
Page 4	D	24902272	Nut, 1/2	6
Page 4	E	24905044	Plate, Dump	1
Page 4	F	24904161	Bucket, Poly	1
Page 6	H	24901886	Engine Honda 13HP GX 390 KQAE6	1
Page 6	J	24904922	Battery Cable - Red 32"lg 8 Ga	1
Page 6	K	24904948	Boot, Red Medium Duty	1
Page 6	L	24904930	Battery Cable - Black 12"lg 6 Ga	1
Page 6	M	24904666	Strap, Battery Rubber	1
Page 6	N	24904807	Battery Y50-260CCA	1
Page 6	P	24901969	Bolt, HexHD, 5/16 x 1	2
Page 6	R	24904658	Battery Box	1
Page 6	S	24902231	Nut, 5/16	2
Page 6	T	24901571	Washer, Spring, 5/16	2
		22227367	PB16130HE	
Page 4	G	24904187	Bucket Steel	1
Page 6	H	24901886	Engine Honda 13HP GX 390 KQAE6	1
Page 6	J	24904922	Battery Cable - Red 32"lg 8 Ga	1
Page 6	K	24904948	Boot, Red Medium Duty	1
Page 6	L	24904930	Battery Cable - Black 12"lg 6 Ga	1
Page 6	M	24904666	Strap, Battery Rubber	1
Page 6	N	24904807	Battery Y50-260CCA	1
Page 6	P	24901969	Bolt, HexHD, 5/16 x 1	2
Page 6	R	24904658	Battery Box	1
Page 6	S	24902231	Nut, 5/16	2
Page 6	T	24901571	Washer, Spring, 5/16	2
		22226203	PB16130H	
Page 4	G	24904187	Bucket Steel	1
Page 6	H	24901894	Engine Honda 13HP GX 390 K1QA6	1
		22236962	FOAM TIRES, Power Buggy	
		22236970	Foam ~ 5.70 x 8 x 19 Extra Grip	4
			Foam ~ 4.80 x 8 x 16	2



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