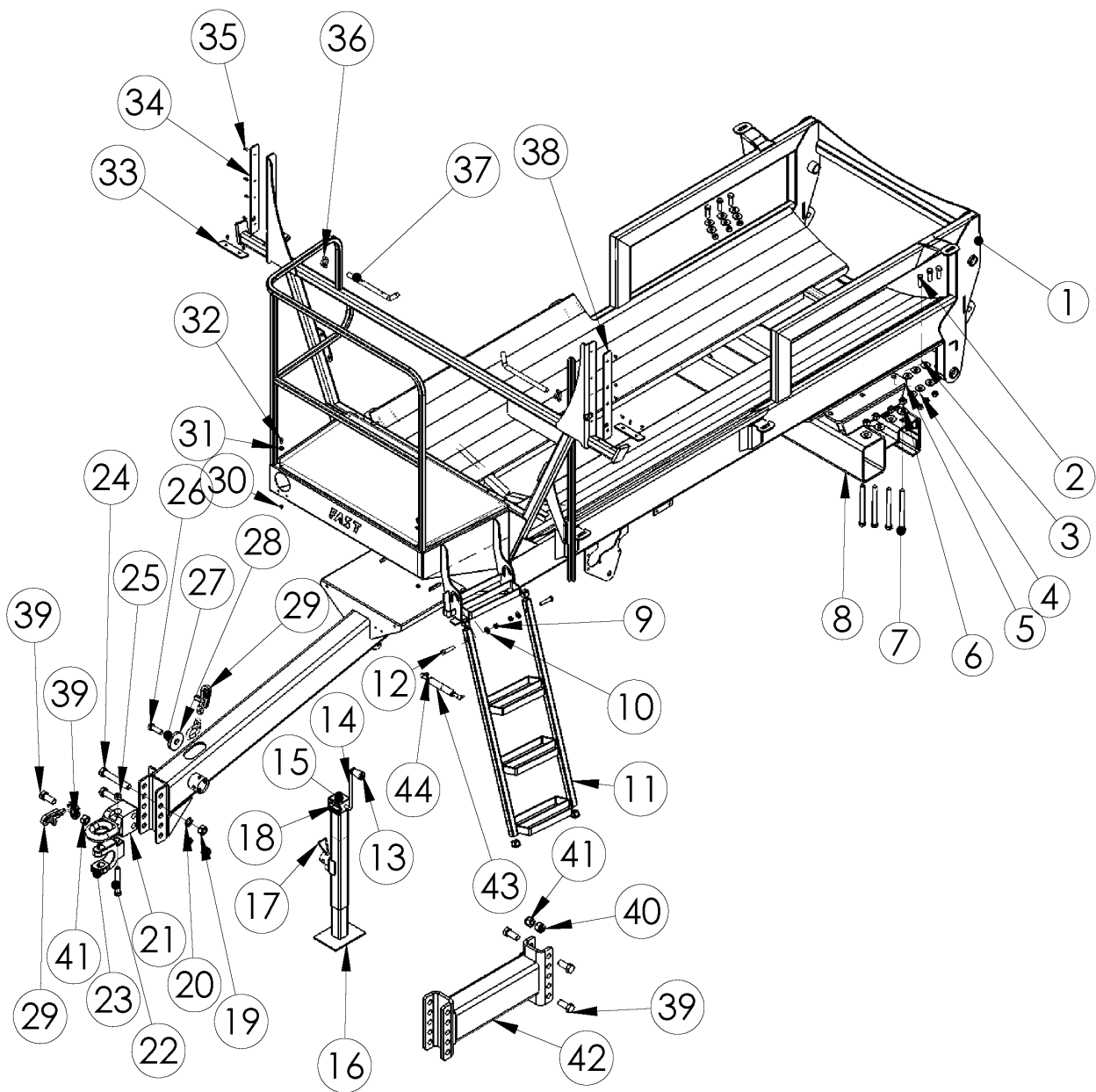




FAST SPRAYERS
9410 SERIES 60' to 66' WING
9430 SERIES 60' TO 100' WING
PARTS BOOK



9410,9430 FRAME LADDER HITCH JACK

11/15/07

ITEM #	PART #	DESCRIPTION	QUANTITY
1	11701	FAST TRAILER 9410,9430	1
2	170	BOLT HH 5/8 x 2.5 GR5 ZP	6
3	261	WASHER FLAT 5/8 ZP	12
4	240	NUT HH 5/8 CENTERLOCK ZP	6
5	241	NUT HH 3/4 CENTERLOCK ZP	4
6	262	WASHER FLAT 3/4 ZP	4
7	488	BOLT HH 3/4 x 8.5 GR5 ZP	4
8	11705	AXLE HOUSING RECEIVER	1
9	231	NUT HH 1/2" CENTERLOCK ZP	2
10	260	WASHER FLAT 1/2"	2
11	10073	LADDER 3 STEP PRIOR TO 9430-3026-77	1
	10620	LADDER 3 STEP S/N 9430-3026-77 TO CURRENT	
12	155	BOLT HH 1/2 x 2-1/2 GR5 ZP	2
13	P800-001	BLACK HANDLE (PART OF FASTHD700)	1
14	P700-020	9" HANDLE KIT 7000# SIDE WIND JACK (PART OF FASTHD700)	1
15	P700-040	HD700 SIDE WIND GEAR KIT (PART OF FASTHD700)	1
16	FASTHD700	JACK 7000# SIDE WIND	1
17	P800-060	5/8" PIN WITH CHAIN AND CLIP (PART OF FASTHD700)	1
18	P700-080	HD700 BEARING KIT (PART OF FASTHD700)	1
19	218	NUT HH 1" ZP	2
20	255	WASHER LOCK 1" ZP	2
21	PPI-301V3-10	HITCH CAT 3	1
22	390	BOLT HH 3/4 x 5-1/2 GR8 ZP	1
23	PPI-208-VR-10	CLEVIS FOR HITCH	1
24	564	BOLT HH SPECIAL 1 x 6-1/2 GR 5 ZP	2
25	233	NUT HH 3/4" NYLOCK ZP	1
26	185	BOLT HH 3/4 x 2-1/2 GR5 ZP	1
27	254	WASHER LOCK 3/4" ZP	1
28	4180	SAFETY CHAIN WASHER	1
29	1804	SAFETY CHAIN 10,100# (8607187/GR-43)	1
30	768	NUT HH 5/16" ZP WHIZLOCK	2
31	257	WASHER FLAT 5/16" ZP	2
32	114	BOLT HH 5/16 x 3/4 GR5 ZP	2
33	7781	WEAR PAD PLASTIC TRANSPORT SADDLE BASE	2
34	11050R	VERTICAL STOP CHAMFERED PLASTIC RIGHT	1
35	581	RIVET 1/4" DRIVE IN	12
36	715300927	KWIK CLIP PIN	2
37	7618	SAFETY LATCH PIN	2
38	11050L	VERTICAL STOP CHAMFERED PLASTIC LEFT	1
39	199	Bolt HH 1 x 2-1/2 Gr5 Zp	5
40	255	Washer Lock 1" Zp	5
41	218	NUT HH 1" ZP	5
42	11671	EXTENSION HITCH 100' WINGS	1
43	22011A3	EASYLIFT CYLINDER (FOR USE WITH LADDER 10620 ITEM 11)	1
44	855	NUT HH M8 ZP (FOR USE WITH LADDER 10620 ITEM 11)	1

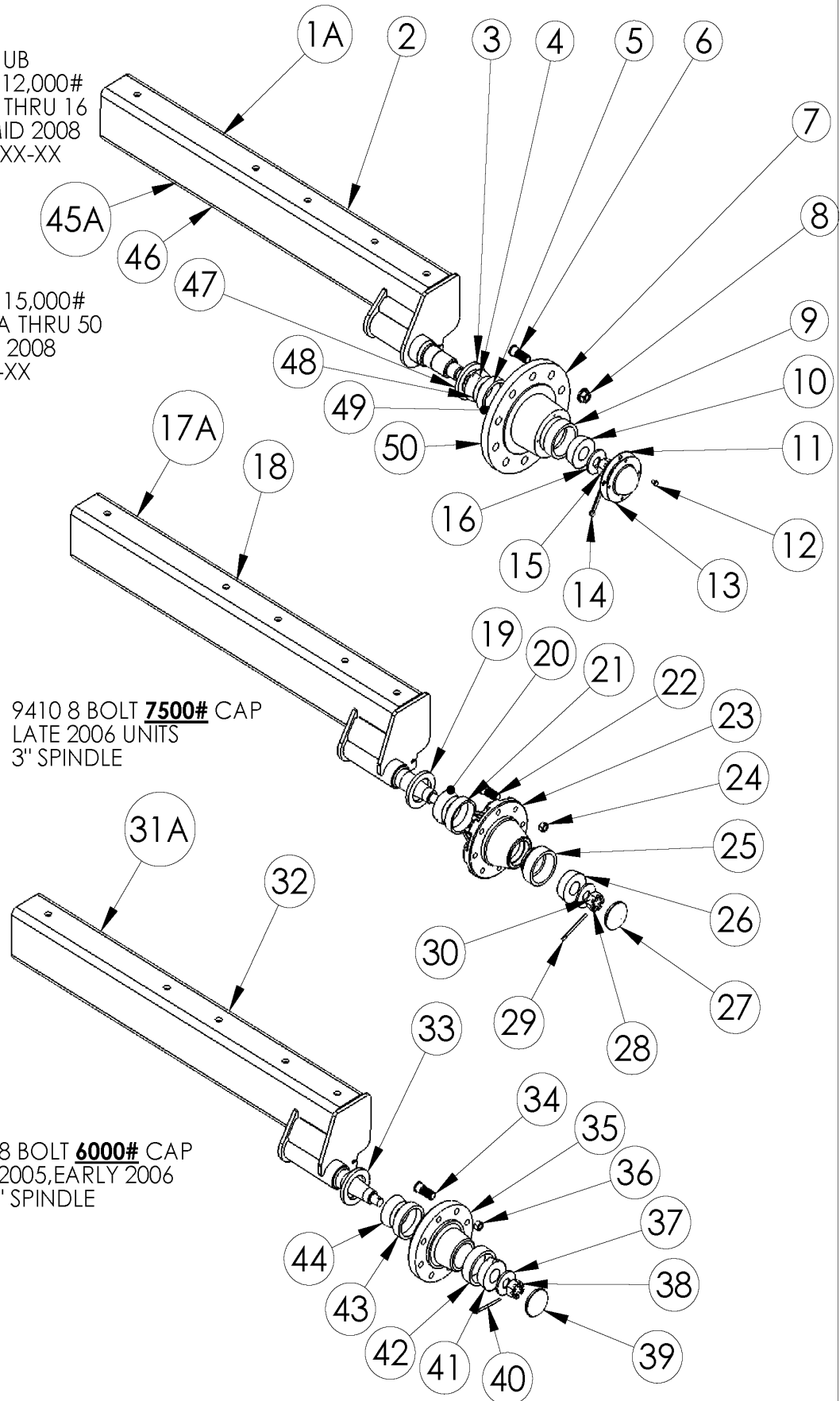
12/24/2007

9430 10 BOLT HUB
3-1/8" SPINDLE 12,000#
REFERENCE 1A THRU 16
PHASED OUT MID 2008
AT S/N 9400-30XX-XX

9430 10 BOLT
3-3/8" SPINDLE 15,000#
REFERENCE 45A THRU 50
INSTALLED MID 2008
S/N 9400-30XX-XX

9410 8 BOLT **7500#** CAP
LATE 2006 UNITS
3" SPINDLE

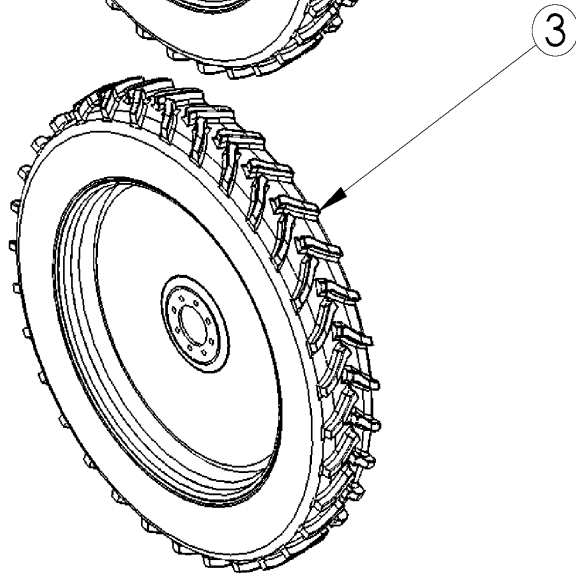
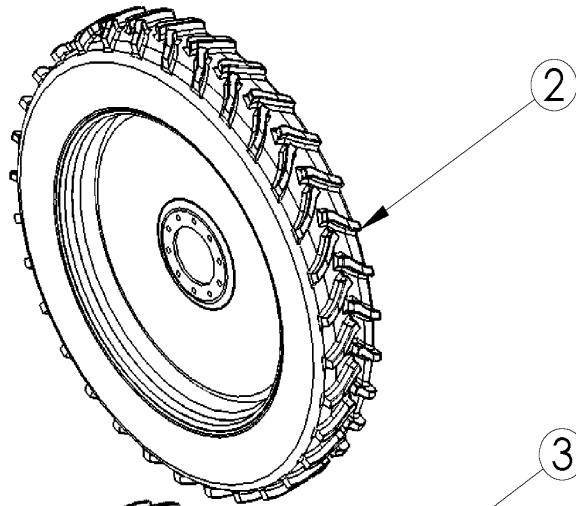
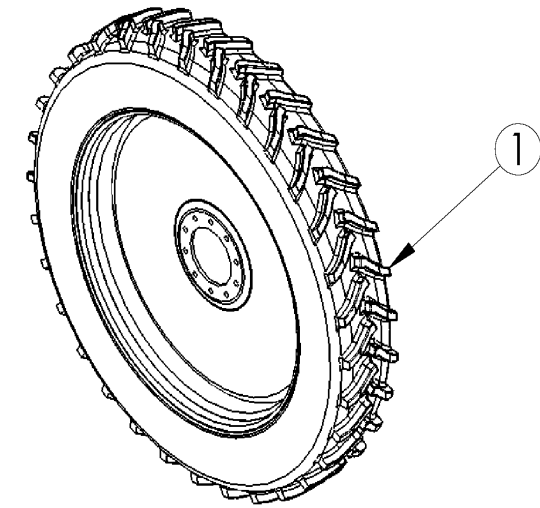
9410 8 BOLT **6000#** CAP
LATE 2005,EARLY 2006
2-3/4" SPINDLE



9410 9430 AXLE

11/12/07

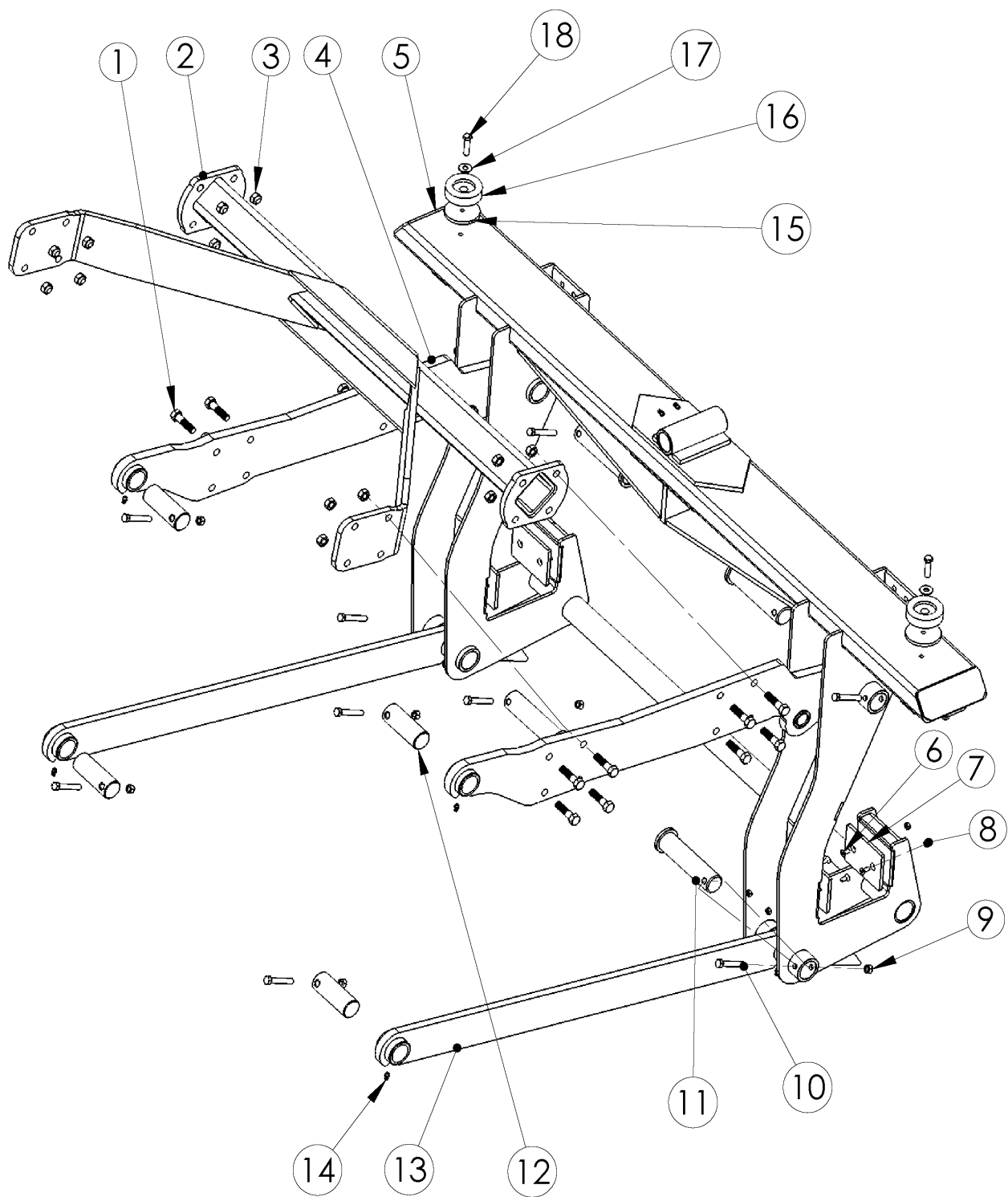
ITEM #	PART #	DESCRIPTION	QUANTITY
1A	10215	AXLE ASSEMBLY 9430 10 BOLT (INC ITEMS 2 THRU 16)	2
2	10085	TRAILER NARROW 9430 AXLE SUB WELD	2
3	1685	SEAL 10 BOLT (906497 CR30087)	2
4	1680	CONE INNER (910333/39585)	2
5	1678	CUP INNER (910331/39520)	2
6	1683	STUD WHEEL (953033)	20
7	1677	HUB 10 BOLT W/CUPS	2
8	1684	NUT WHEEL (913571)	20
9	1679	CUP OUTER (910332/453A)	2
10	1681	CONE OUTER (910334/460)	2
11	1686	GASKET HUB CAP	2
12	113	BOLT HH 5/16 x 1/2 GR5 ZP	8
13	1682	HUB CAP Q-871 HUB	2
14	1690	COTTER PIN	2
15	1689	NUT SPINDLE 1.25-12 TPI	2
16	1688	WASHER SPINDLE (913632)	2
17A	10065	AXLE ASSEMBLY 9410 Q758 HUB 7500# (INC ITEMS 18 THRU 30)	2
18	10040	TRAILER NARROW 9410 AXLE SUB WELD	2
19	1669	SEAL 8 BOLT (946486 CR29968)	2
20	1664	CONE INNER (910359/387AS)	2
21	1662	CUP INNER (910358/382A)	2
22	1667	STUD WHEEL (943527)	16
23	1661	HUB 8 BOLT 7500# W/CUPS (281189)	2
24	1652	NUT WHEEL (913557)	16
25	1647	CUP OUTER (910272/LM501310)	2
26	1649	CONE OUTER (910273/LM501349)	2
27	1650	HUB CAP Q75-8 (909912)	2
28	1657	NUT SPINDLE 1-14 TPI (912959)	2
29	1658	COTTER PIN (905941)	2
30	1656	WASHER SPINDLE (913624)	2
31A	6447	AXLE ASSEMBLY 6420/9410 6000# LATE 2005,EARLY 2006 (INC. ITEMS 32 THRU 44)	2
32	6443	TRAILER NARROW EARLY 9410 SUB WELD (SERVICE PART)	2
33	1653	SEAL 8 BOLT (906486 CR27394)	2
34	1651	STUD WHEEL (913556)	16
35	1645	HUB 8 BOLT 6000# W/CUPS (281099)	2
36	1652	NUT WHEEL (913557)	16
37	1656	WASHER SPINDLE (913624)	2
38	1657	NUT SPINDLE 1-14 TPI (912959)	2
39	1650	HUB CAP Q75-8 (909912)	2
40	1658	COTTER PIN (905941)	2
41	1649	CONE OUTER (910273/LM501349)	2
42	1647	CUP OUTER (910272/LM501310)	2
43	1646	CUP INNER (910292/JLM506810)	2
44	1648	CONE INNER (910293/JLM508849)	2
45A	10215	AXLE ASSEMBLY 9430 10 BOLT STARTING WITH SERIAL NUMBER 9400-30xx-xx AND UP, INCLUDES ITEMS 46-50 & 6-16	
46	10085	AXLE WELDMENT 3-3/8" SPINDLE	2
47	946275	SEAL 873 SERIES HUB	2
48	910398	CONE INNER 873 SERIES HUB	2
49	910397	CUP INNER 873 SERIES HUB	2
50	289127	HUB 10 BOLT W/CUPS 873 SERIES HUBS	2



9410 9430 TIRES

DATE

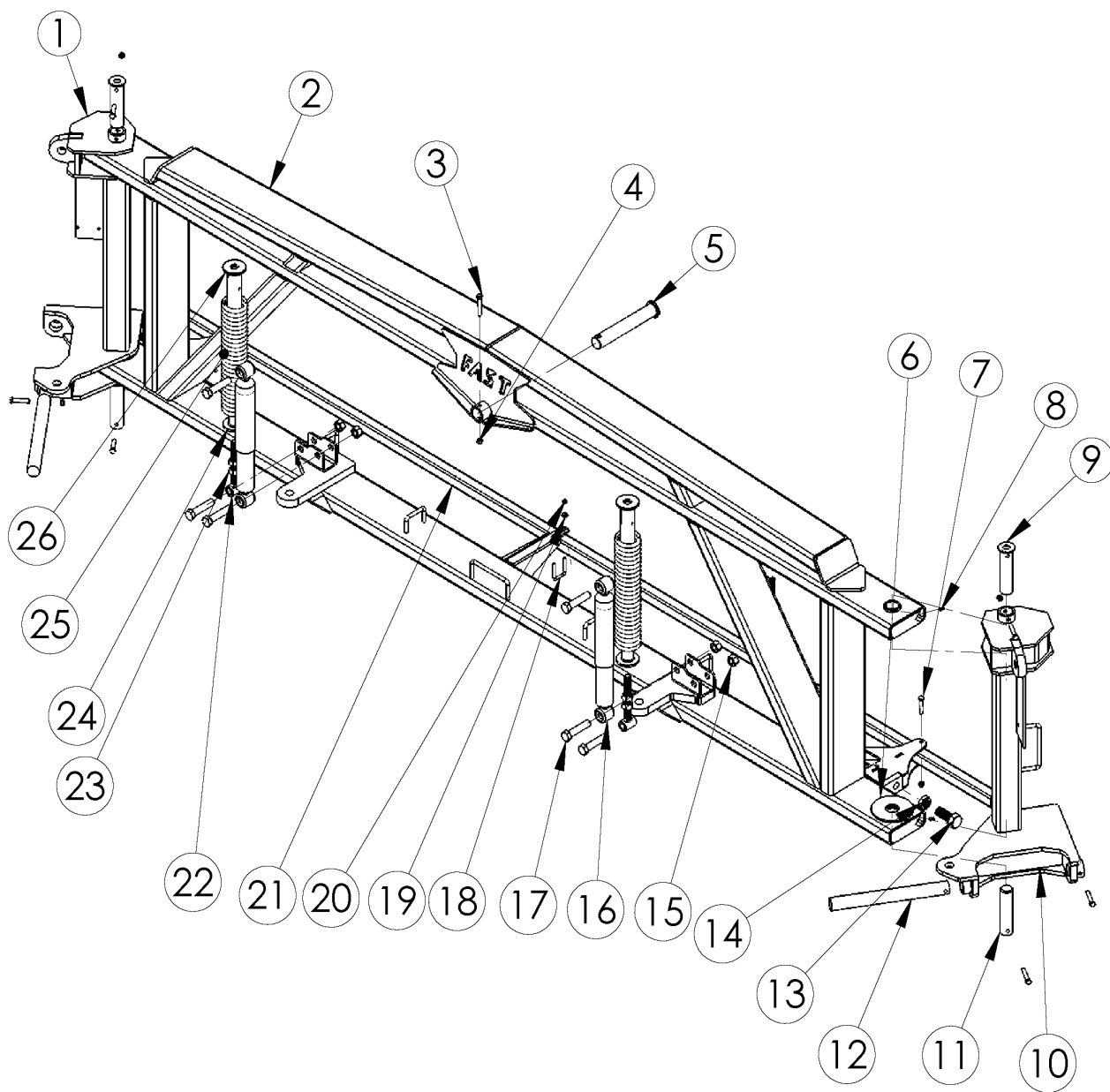
ITEM #	PART #	DESCRIPTION	QUANTITY
1	1760R or L	380/90R46 TIRE WHEEL STD 9430 1500 GALLON OPTIONAL FOR 9430 1000 AND 1250 GALLON	1 PR
2	1761R or L	320/90R46 TIRE WHEEL STD 9430 1000 AND 1250 GALLON	1 PR
3	1755R or L	13.6 x 38 TIRE WHEEL 12 PLY 9410 1000 GALLON	1 PR



9410 9430 PARALLEL LINKS, INTERIOR PIVOT

9410,9430 9500 SERIES PARALLEL LINKS AND INTERIOR PIVOT
60-100' SPRAY WIDTH

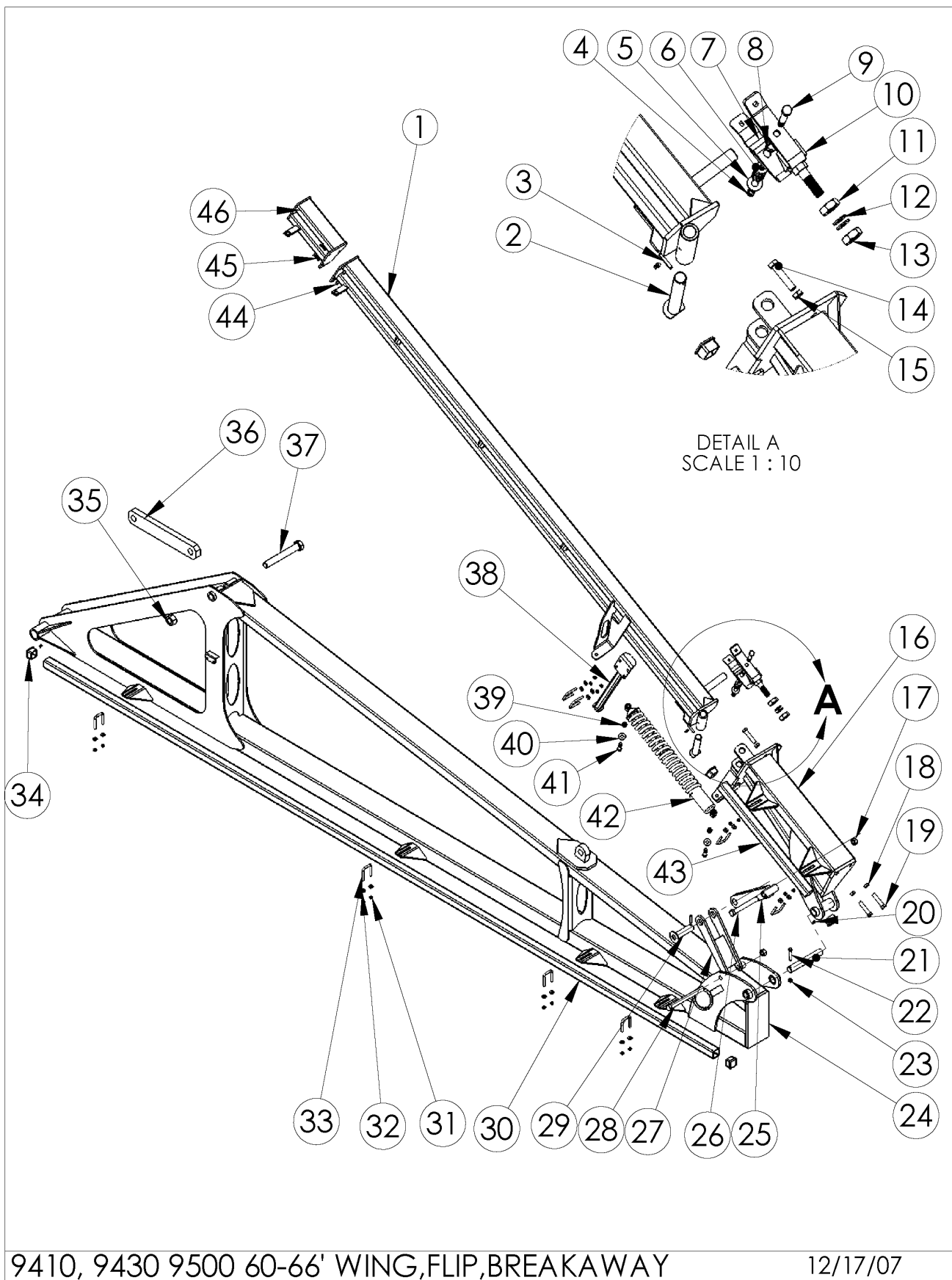
ITEM #	PART #	DESCRIPTION	QUANTITY
1	154	BOLT HH 1/2 x 2" GR5 ZP	16
2	11708	LINK BRACE	1
3	231	NUT 1/2" NYLOCK ZP	16
4	11703	UPPER LINK	2
5	11706	INTERIOR PIVOT	1
6	671	BOLT FLAT HEAD 1/4 x 5/8" BLAC	8
7	11739	RUB PLATE	4
8	235	HUT HH 1/4" CENTERLOCK ZP	8
9	237	NUT 3/8" CENTERLOCK ZP	8
10	131	BOLT HH 3/8 x 2-1/2" GR5 ZP	8
11	11717	CRADLE PIN	4
12	11773	TRAILER LINK PIN	4
13	11702	LOWER LINK	2
14	759	GREASE ZERK 1/4-28 TPI ZP	10
15	7683	SPACER 1/4"	2
16	B1	RUBBER BUMPER	2
17	258	WASHER FLAT 3/8" ZP	2
18	129	BOLT HH 3/8 1-1/2 GR5 ZP	2



9410 9430 9500 CENTER SECTION, WING PIVOTS

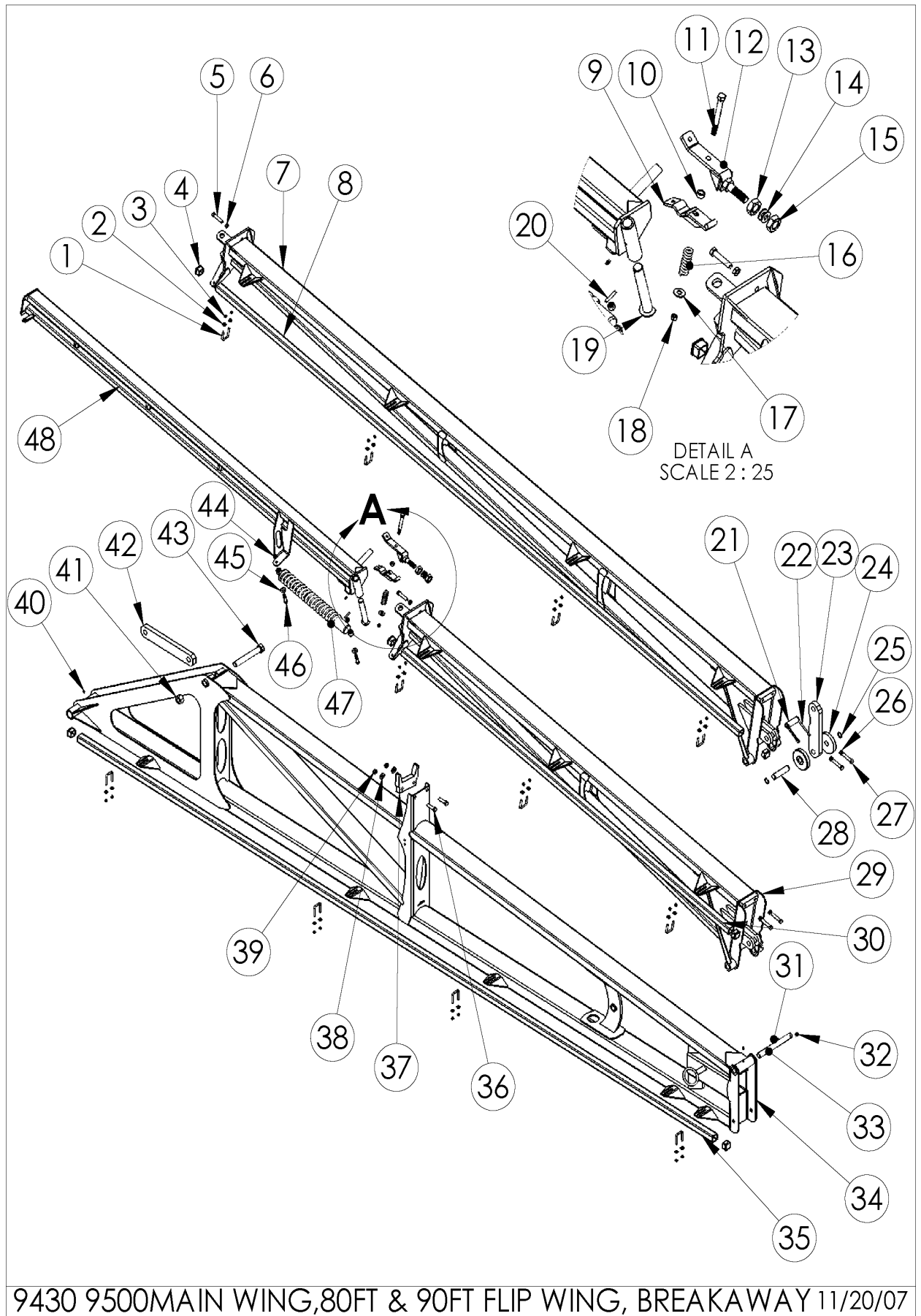
9410 9430 9500 SERIES CENTER SECTION

ITEM #	PART #	DESCRIPTION	QUANTITY
1	11652R	WING PIVOT RIGHT 9410,9430	1
2	11710	CENTER SECTION 9410 9430	1
3	131	BOLT HH 3/8 x 2-1/2 GR5 ZP	7
4	237	NUT HH 3/8 ZP	9
5	11716	CENTER PIVOT PIN	1
6	7458	WASHER UHMW POLY	2
7	130	BOLT HH 3/8 x 2 GR5 ZP	2
8	759	GREASE ZERK 1/4-28 TPI ZP	4
9	7988	WING SWIVEL PIN W/WASHER	2
10	11652L	WING PIVOT LEFT 9410,9430	1
11	7581	WING SWIVEL PIN	2
12	7507	WING PIVOT PIN	2
13	199	BOLT HH 1x 2-1/2 GR5 ZP	2
14	226	NUT HH 1" JAM ZP	2
15	241	NUT HH 3/4" CENTERLOCK ZP	6
16	66833	SHOCK CENTER SECTION	2
17	187	BOLT HH 3/4 x 3-1/2" GR5 ZP	6
18	577	U-BOLT 1-1/2 x 1-1/2 x 1/4 STAINLESS STEEL	1
19	663	WASHER FLAT 1/4" STAINLESS STEEL	2
20	647	NUT HH 1/4" NYLOCK STAINLESS STEEL	2
21	11785	PLUMB BAR CENTER SECTION	1
22	7444	SPRING ADJUSTMENT EYEBOLT	2
23	217	NUT HH 3/4" ZP	4
24	7439	INNER SPRING MOUNT	2
25	1807	SPRING CENTER SECTION	2
26	7442	OUTER SPRING MOUNT	2



**9410,9430 9500 SERIES 60' WING
FLIP WING,BREAKAWAY**

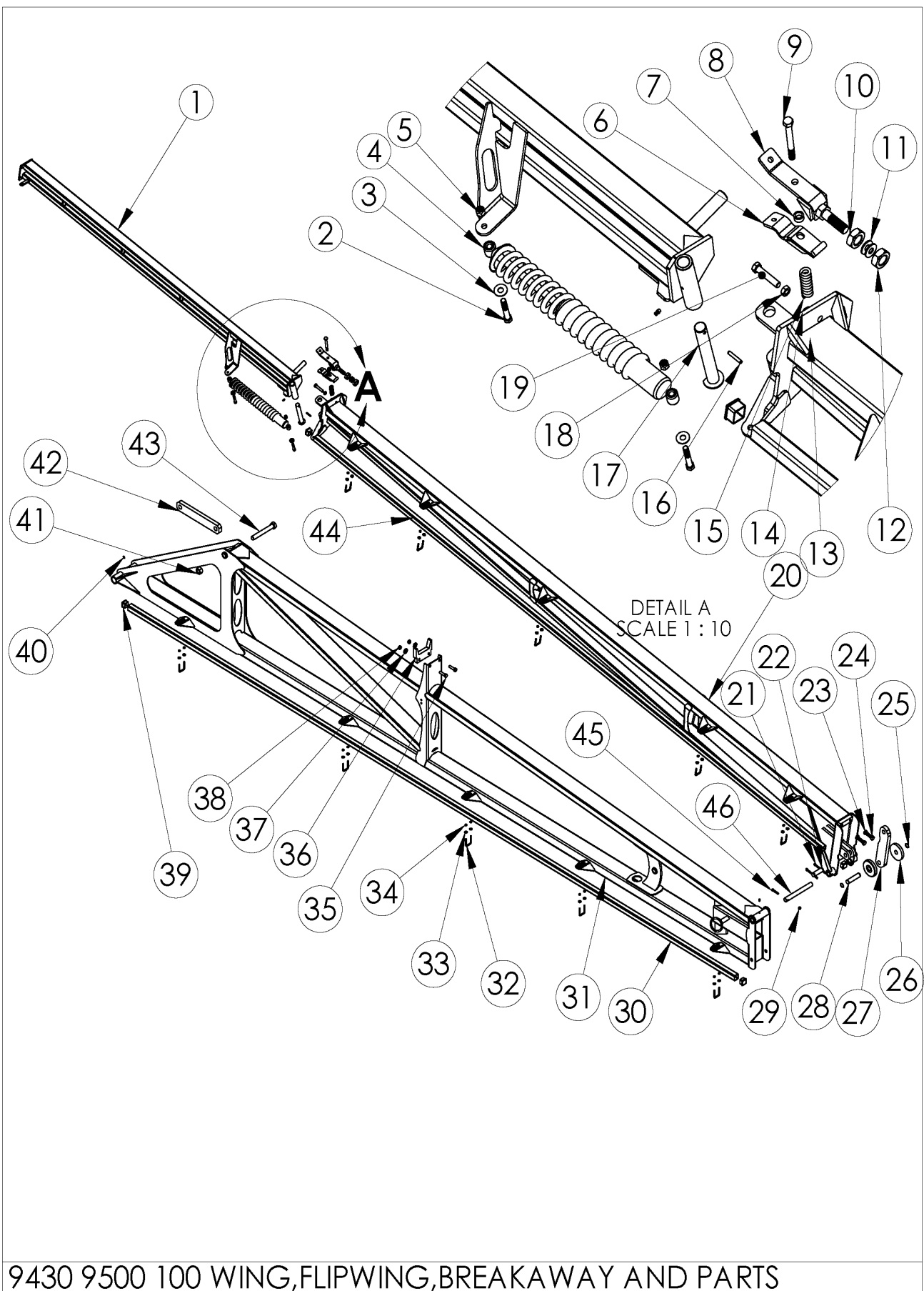
ITEM #	PART #	DESCRIPTION	QUANTITY	60' WING	66" WING
			MAIN		
1	10280R	BREAKAWAY WING RIGHT HAND		1	1
	10280L	BREAKAWAY WING LEFT HAND (NOT SHOWN)		1	1
2	7821	PIVOT PIN BREAKAWAY		2	2
3	683	PIN SPRING 1/4 x 1-1/2" ZP		4	4
	7125	BREAKAWAY LATCH ASSEMBLY (INC. ITEMS 4,5,6,7,8,9,10,11,12,13		ASB	ASB
4	239	NUT HH 1/2" CENTERLOCK ZP		2	2
5	260	WASHER FLAT 1/2" ZP		2	2
6	7694	SPRING BREAKAWAY LATCH		2	2
7	7689	BREAKAWAY LATCH TOP		2	2
8	7693	BREAKAWAY SPACER		2	2
9	159	BOLT HH 1/2 x 4-1/2 GR5 ZP		2	2
10	7692	BREAKAWAY LATCH BASE		2	2
11	225	NUT HH JAM 3/4 ZP		2	2
12	262	WASHER FLAT 3/4" ZP		4	4
13	217	NUT HH 3/4 ZP		2	2
14	155	BOLT HH 1/2 X 2-1/2 GR5 zp		4	4
15	223	NUT HH 1/2" JAM ZP		6	6
16	10261R	FLIP WING 60' RIGHT HAND		1	
NS	10261L	FLIP WING 60' LEFT HAND (NOT SHOWN)		1	
NS	10592R	FLIP WING 66" RIGHT HAND (NOT SHOWN)			1
NS	10592L	FLIP WING 66" RIGHT HAND (NOT SHOWN)			1
17	240	NUT HH 5/8" CENTERLOCK ZP		4	4
18	224	NUT HH 5/8" JAM ZP		4	4
19	170	BOLT HH 5/8 x 2 GR5 ZP		4	4
20	759	ZERK 1/4-28 TPI ZP	2	4	4
21	10295	FLIP WING PIN		2	2
22	117	BOLT HH 5/16 x 2 GR5 ZP	2		
23	236	NUT HH 5/16" CENTERLOCK ZP	2		
24	10256R	MAIN WING 60' RIGHT HAND	1		
NS	10256L	MAIN WING 60' LEFT HAND (NOT SHOWN)	1		
25	10313	SISSOR LINK 1" 60' FLIP		2	2
26	177	BOLT HH 5/8" X 5-1/2" GR5 ZP		2	2
27	10498	SISSOR LINK WELDMENT 60' FLIP		2	2
28	181	BOLT HH 5/8" X 7-1/2" GR5 ZP		2	2
29	10497	PIN SISSOR LINK		2	2
30	10308	PLUMB BAR MAIN WING 60'			
31	655	HUT HH 1/4" NYLOCK STAINLESS STEEL	16	8	8
32	663	WASHER FLAT 1/4" STAINLESS STEEL	16	8	8
33	577	U-BOLT 1/4 x 1-1/2 STAINLESS STEEL	8	4	4
34	4192	PLUG SQUARE PLASTIC 1-1/2"	4	4	4
35	242	NUT HH 1" CENTERLOCK ZP	2		
36	9664	LINK LEVEL BOOM 9420 TRAILER	2		
NS	9616	NORAC/AUTO BOOM OPTION LINK	OPT.		
37	209	BOLT HH 1 x 7-1/2" GR5 ZP	2		
38	10279	WING SUPPORT BOLT ON		2	2
39	238	NUT HH 7/16" CENTERLOCK ZP		4	4
40	251	WASHER FLAT 7/16" ZP		4	4
41	143	BOLT HH 7/16 x 2-1/2 GR5 ZP		4	4
42	58630ST	SHOCK/SPRING BREAKAWAY		2	2
43	10309	PLUMB BAR 60' FLIP WING.		2	
NS	10597	PLUMB BAR 66' FLIP WING.			2
44	769	NUT HH 3/8" WHIZLOCK ZP			6
45	128	BOLT HH 3/8 x 1 GR5 ZP			6
46	6342	BREAKAWAY EXTENSION 10" RH 15" & 22" NOZZLE SPACING			1
NS	6343	BREAKAWAY EXTENSION 10" LH 15" & 22" NOZZLE SPACING			1



9430 9500 80', 90' WING FLIP WINGS,BREAKAWAY

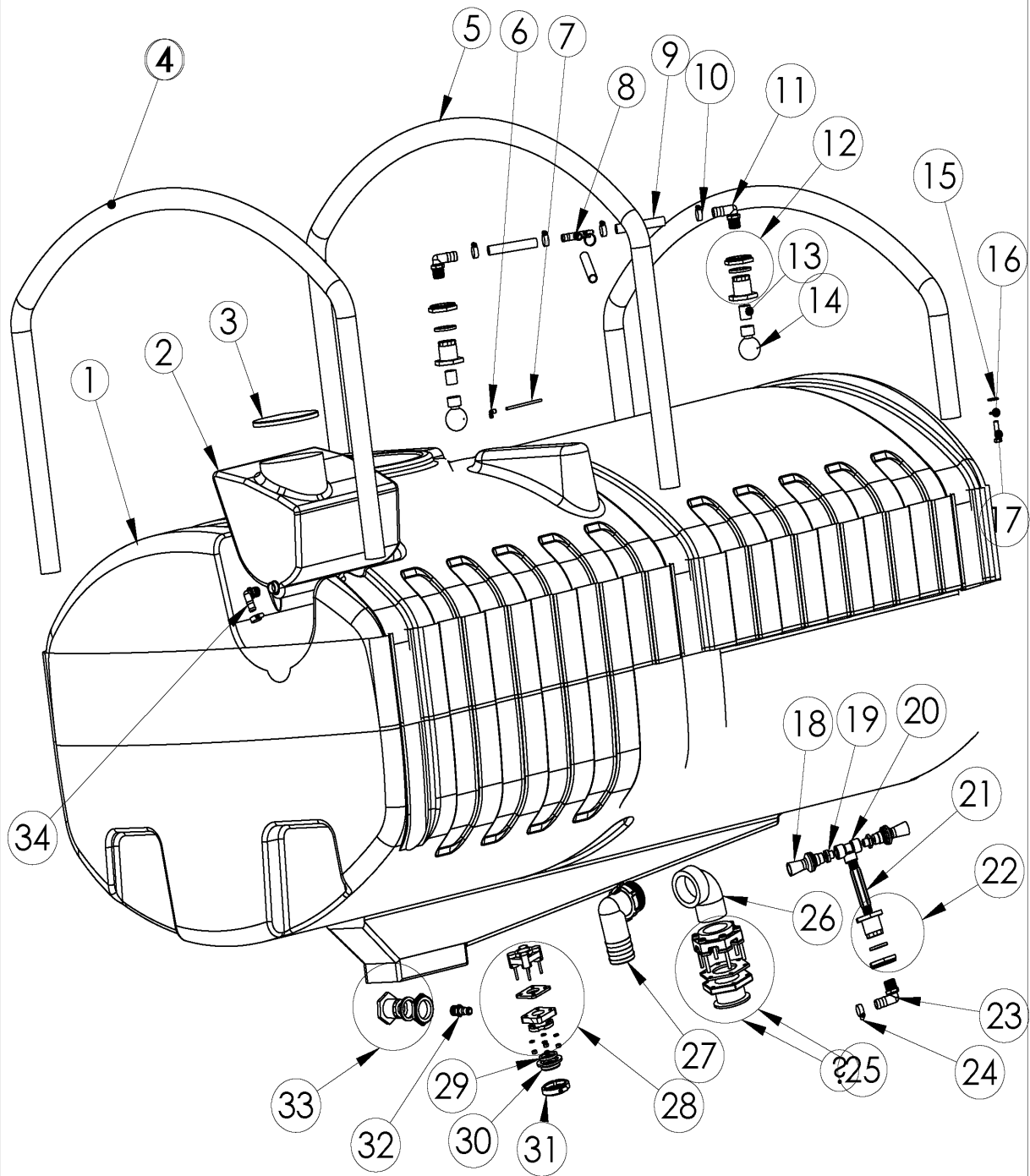
AGE 18

ITEM #	PART #	DESCRIPTION	QUANTITY			
			MAIN	80' FLIP	90' FLIP	BREAKAWAY
1	577	U-BOLT 1/4 x 1-1/2 STAINLESS STEEL	8	6	8	
2	663	WASHER FLAT 1/4" STAINLESS STEEL	16	12	16	
3	655	HUT HH 1/4" NYLOCK STAINLESS STEEL	16	12	16	
4	4192	PLUG SQUARE PLASTIC 1-1/2"	4	4	4	
5	155	BOLT HH 1/2 X 2-1/2 GR5 ZP		4	4	
6	223	NUT HH 1/2" JAM ZP		4	4	
7	9498	FLIP WING 90' RIGHT HAND				1
	9499	FLIP WING 90' LEFT HAND (NOT SHOWN)				1
8	9550	PLUMB BAR 90' FLIP WING				2
	7125	BREAKAWAY LATCH ASSEMBLY (INC. ITEMS 7,8,9,10,2 of 11,12,13,14,15,16				2
9	7689	BREAKAWAY LATCH TOP				2
10	7693	BREAKAWAY SPACER				2
11	159	BOLT HH 1/2 x 4-1/2 GR5 ZP				2
12	7692	BREAKAWAY LATCH BASE				2
13	225	NUT HH JAM 3/4 ZP				2
14	262	WASHER FLAT 3/4" ZP				4
15	217	NUT HH 3/4 ZP				2
16	7694	SPRING BREAKAWAY LATCH				2
17	260	WASHER FLAT 1/2" ZP				2
18	239	NUT HH 1/2' CENTERLOCK ZP				2
19	7821	PIVOT PIN BREAKAWAY				2
20	683	PIN SPRING 1/4 x 1-1/2" ZP				2
21	11127	PIN FLIP WING ARM	2			
22	135995	COTTER PIN 3/16 x 2 ZP (LM 135995)	4			
23	9514	FLIP WING ARM 9420	2			
24	7668	WING ROLLER MACHINED	4			
25	534	SNAP RING EXTERNAL 1"	4			
26	224	NUT HH 5/8" JAM ZP	4			
27	170	BOLT HH 5/8 x 2 GR5 ZP	4			
28	7669	ROLLER PIN 1"	2			
29	9496	FLIP WING 80' RIGHT HAND		1		
	9497	FLIP WING 80' LEFT HAND (NOT SHOWN)		1		
30	9551	PLUMB BAR 80' FLIP WING		2		
31	117	BOLT HH 5/16 x 2 GR5 ZP	2			
32	236	NUT HH 5/16" CENTERLOCK ZP	2			
33	9468	FLIP WING PIN	2			
34	9662R	MAIN WING 80-90' RIGHT HAND	1			
	9662L	MAIN WING 80-90' LEFT HAND (NOT SHOWN)	1			
35	9542	PLUMB BAR MAIN WING 80-90'	2			
36	154	BOLT HH 1/2 x 2 GR5 ZP	4			
37	9674	WING REST 1" UHMW	2			
38	260	WASHER FLAT 1/2" ZP	4			
39	231	NUT HH 1/2" CENTERLOCK ZP	4			
40	759	ZERK 1/4-28 TPI ZP	4			
41	242	NUT HH 1" CENTERLOCK ZP	2			
42	9664	LINK LEVEL BOOM 9420 TRAILER	2			
NS	9616	NORAC/AUTOBOOM LINK	OPT.			
43	209	BOLT HH 1 x 7-1/2" GR5 ZP	2			
44	238	NUT HH 7/16" CENTERLOCK ZP		4	4	
45	251	WASHER FLAT 7/16" ZP		4	4	
46	143	BOLT HH 7/16 x 2-1/2 GR5 ZP		4	4	
47	58630ST	SHOCK/SPRING BREAKAWAY		2	2	
48	11602R	BREAKAWAY WING RIGHT HAND				1
NS	11602L	BREAKAWAY WING LEFT HAND (NOT SHOWN)				1



**9430 9500 100' WING
FLIP WING,BREAKAWAY**

ITEM #	PART #	DESCRIPTION	QUANTITY	
			MAIN	WING
1	10280R	BREAKAWAY WING RIGHT HAND 95"		1
	10280L	BREAKAWAY WING LEFT HAND (NOT SHOWN)		1
2	143	BOLT HH 7/16 x 2-1/2 GR5 ZP		4
3	251	WASHER FLAT 7/16" ZP		4
4	58630ST	SHOCK/SPRING BREAKAWAY		2
5	238	NUT HH 7/16" CENTERLOCK ZP		4
	7125	BREAKAWAY LATCH ASSEMBLY (INC. ITEMS 6,8,9,10,2 of 11,12,13,14,15		2
6	7689	BREAKAWAY LATCH TOP		2
7	7693	BREAKAWAY SPACER		2
8	7692	BREAKAWAY LATCH BASE		2
9	159	BOLT HH 1/2 x 4-1/2 GR5 ZP		2
10	225	NUT HH JAM 3/4 ZP		2
11	262	WASHER FLAT 3/4" ZP		4
12	217	NUT HH 3/4 ZP		2
13	239	NUT HH 1/2" CENTERLOCK ZP		2
14	260	WASHER FLAT 1/2" ZP		2
15	7694	SPRING BREAKAWAY LATCH		2
16	683	PIN SPRING 1/4 x 1-1/2"ZP		2
17	7821	PIVOT PIN BREAKAWAY		2
18	223	NUT HH 1/2" JAM ZP	2	2
19	155	BOLT HH 1/2 X 2-1/2 GR5 zp	2	2
20	11605R	FLIP WING 100' RIGHT HAND		1
	11605L	FLIP WING 100' LEFT HAND (NOT SHOWN)		1
21	135995	COTTER PIN 3/16 x 2 ZP (LM 135995)	4	
22	11127	PIN FLIP WING ARM	2	
23	224	NUT HH 5/8" JAM ZP	4	
24	170	BOLT HH 5/8 x 2 GR5 ZP	4	
25	534	SNAP RING EXTERNAL 1"	4	
26	7668	WING ROLLER MACHINED	4	
27	9514	FLIP WING ARM 9420	2	
28	7669	ROLLER PIN 1"	2	
29	236	NUT HH 5/16" CENTERLOCK ZP	2	
30	11017	PLUMB BAR MAIN WING 80-90'	2	
31	11603R	MAIN WING 100' RIGHT HAND	1	
	11603L	MAIN WING 100' LEFT HAND (NOT SHOWN)	1	
32	577	U-BOLT 1/4 x 1-1/2 STAINLESS STEEL	10	10
33	663	WASHER FLAT 1/4" STAINLESS STEEL	20	20
34	655	HUT HH 1/4" NYLOCK STAINLESS STEEL	20	20
35	154	BOLT HH 1/2 x 2 GR5 ZP	4	
36	9674	WING REST 1" UHMW	2	
37	260	WASHER FLAT 1/2" ZP	4	
38	231	NUT HH 1/2" CENTERLOCK ZP	4	
39	4192	PLUG SQUARE PLASTIC 1-1/2"	4	4
40	759	ZERK 1/4-28 TPI ZP	4	2
41	242	NUT HH 1" CENTERLOCK ZP	2	
42	9664	LINK LEVEL BOOM 9420 TRAILER	2	
NS	9616	NORAC/AUTOBOOM LINK	OPT.	
43	209	BOLT HH 1 x 7-1/2" GR5 ZP	2	
44	11018	PLUMB BAR 100' FLIP WING		2
45	117	BOLT HH 5/16 x 2 GR5 ZP	2	
46	9468	FLIP WING PIN	2	

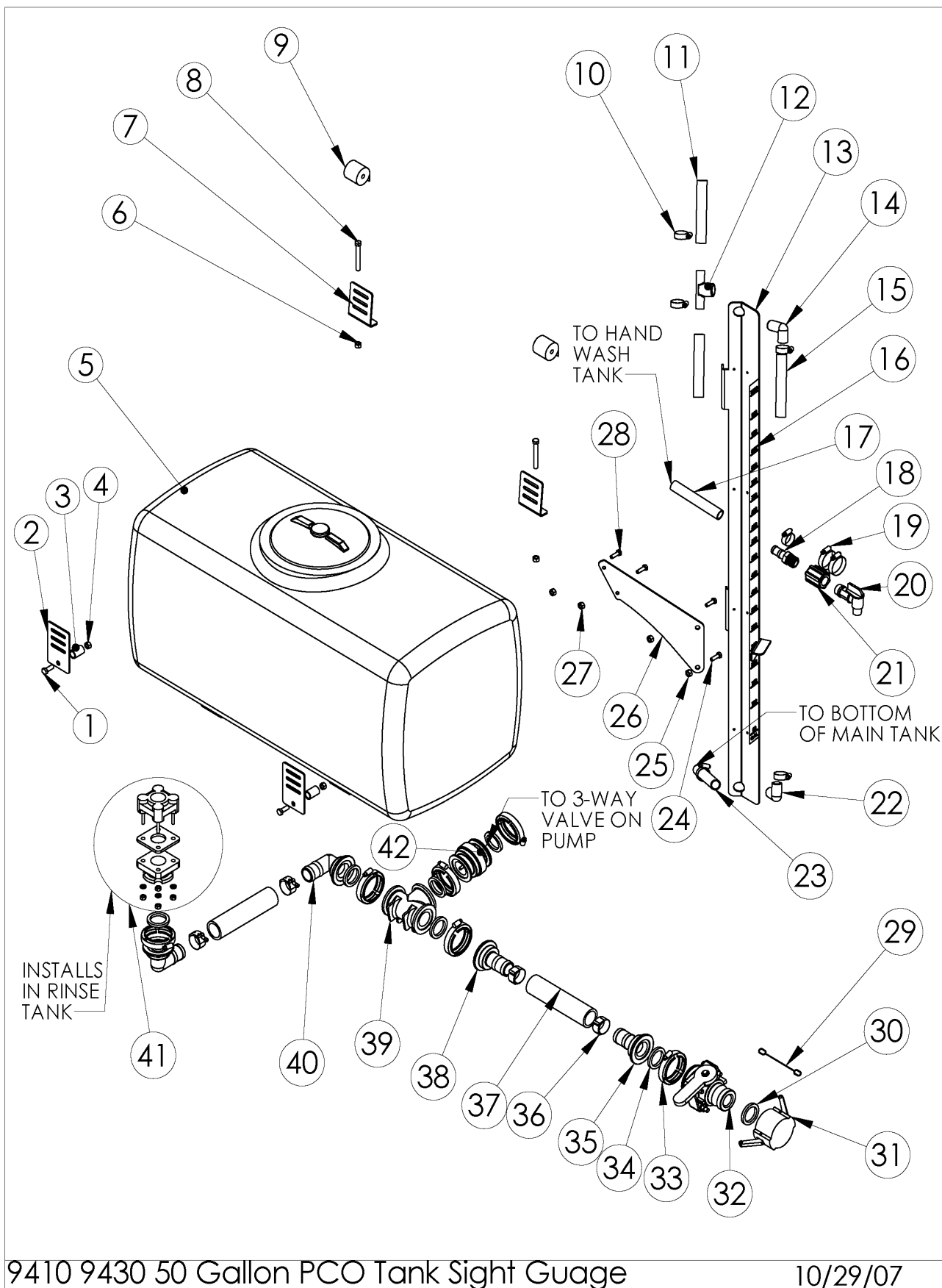


9410 9430 1000 1250 TANK ASBY

11/20/07

9410 9430 1000 1250
TANK ASSEMBLY

ITEM #	PART #	DESCRIPTION	QUANTITY
1	CC1000AYSLSSQS	1000 GALLON CROP CARE TANK	1
NS	CC1250AYSLSSQS	1250 GALLON CROP CARE TANK (9430 ONLY)	NS
2	INCLUDE IN ITEM 1	5 GALLON HAND RINSE TANK	1
3	INCLUDE IN ITEM 1	LID 5 GALLON RINSE TANK	1
4	11624	HOOP LONG	2
NS	11626	HOOP LONG 1250 GALLON	2
5	11623	HOOP SHORT	1
NS	11625	HOOP SHORT 1250 GALLON	1
6	44103211	CONNECTOR 90° 1/4 TUBE x 1/4NPT	1
7	2T20-604	LLDP 1/4" OD POLY TUBING	120"
8	HBT075	TEE 3/4" HOSE BARB	1
9	3/4BH200	HOSE 3/4" EDPM	36"
10	64012H	CLAMP HOSE 3/4" SS	4
11	HB100075-90	HOSE BARB 1" MPT x 3/4" HB x 90°	1
12	67172	BULKHEAD FITTING 1" NORWESCO	2
13	MM1010	NIPPLE SHORT 1" SPECIAL	2
14	SBTR-1	TANK RINSE BALL	2
15	261	WASHER FLAT 5/8" ZP	6
16	260	WASHER FLAT 1/2" ZP	6
17	154	BOLT HH 1/2 x 2 GR5 ZP	6
18	Y33180-PP	AGITATION NOZZLE	2
19	RB075038	REDUCER BUSHING 3/4 x 3/8"	2
20	TEE075	TEE 3/4" MPT	1
21	NIP100-6	NIPPLE 1" x 6"	1
22	TF100	BULKHEAD FITTING 1" BANJO	1
23	HB100-90	HOSE BARB ELBOW 1" 90°	1
24	64016H	CLAMP HOSE 1"	1
25	MBF300BD	BOTTOM DRAIN 3"	1
26	EL300-90	ELBOW STREET 3" 90°	1
27	HB300-90	HOSE BARB ELBOW 3" 90°	1
28	MBF200BD	BOTTOM DRAIN 2" STD PORT	1
29	150G	GASKET 2" STD PORT	1
30	M200PLG	PLUG 2" STD PORT	1
31	FC200	FLANGE CLAMP 2" STD PORT	1
33	HBO75	HOSE BARB 3/4"	1
33	TF075	BULKHEAD FITTING 3/4" BANJO	1
34	HB075-90	HOSE BARB 3/4" x 90°	1

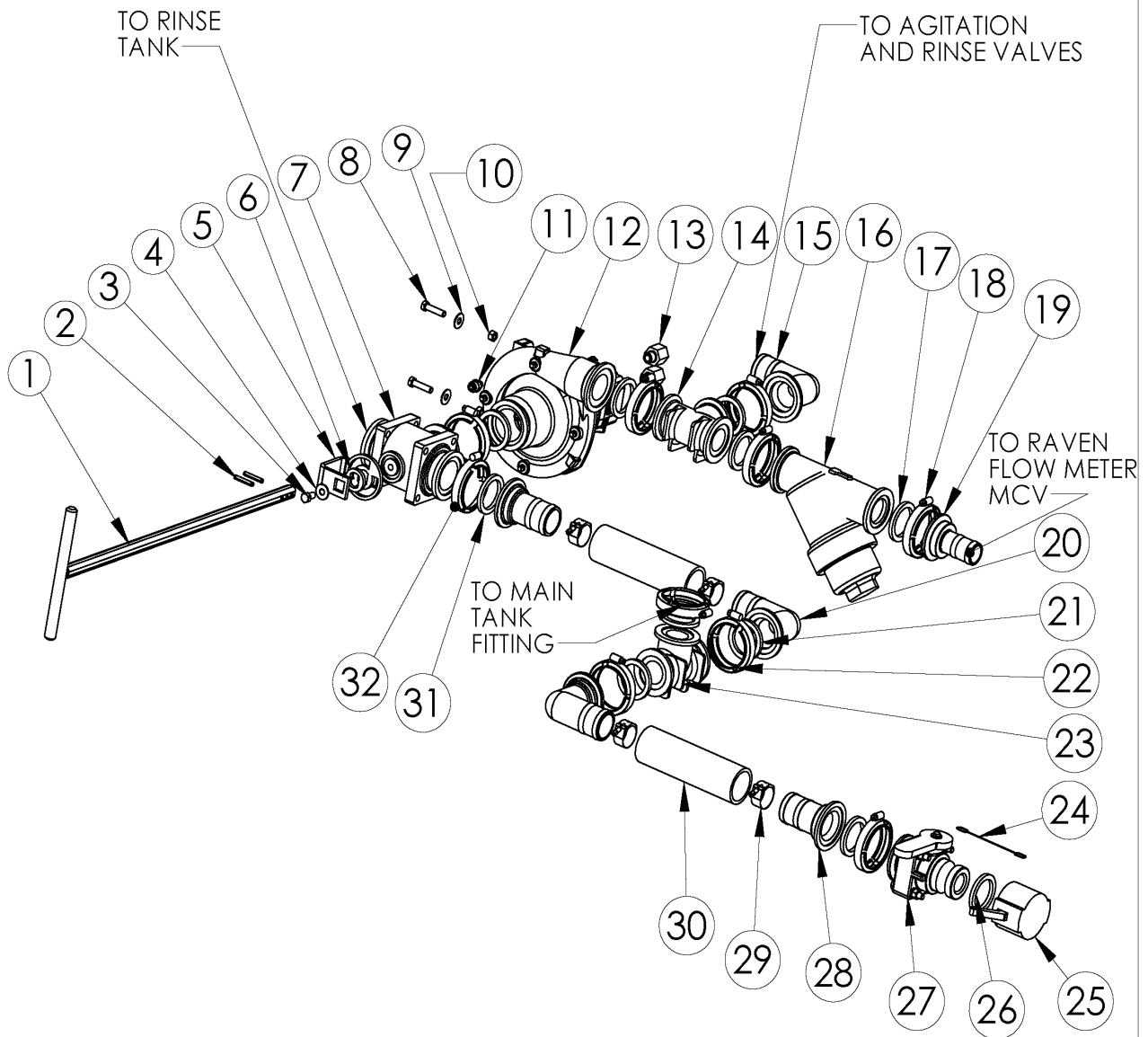


9410 9430 50 Gallon PCO Tank Sight Gauge

10/29/07

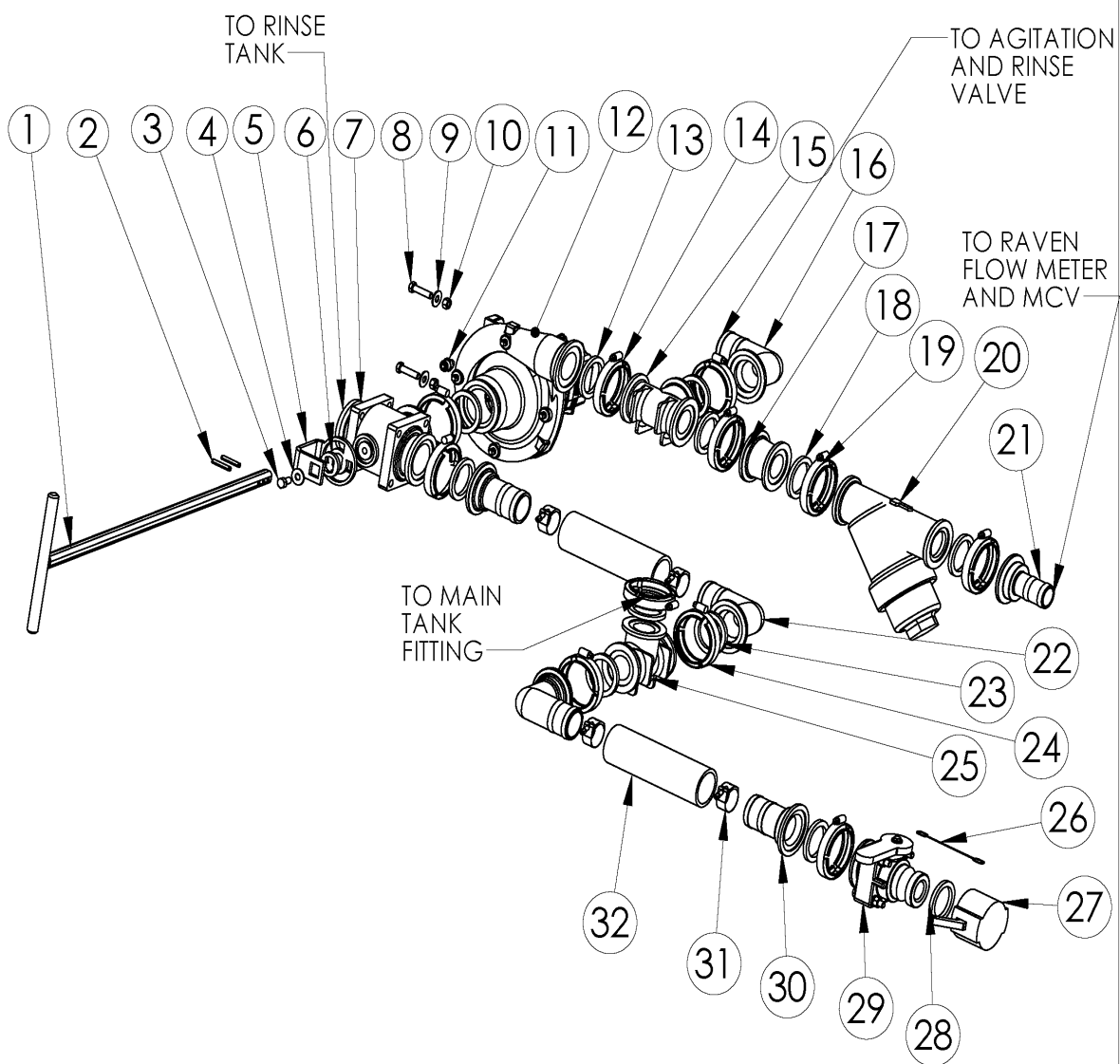
9410 9430 50 GALLON PCO TANK, SIGHT GUAGE

ITEM #	PART #	DESCRIPTION	QUANTITY
1	129	BOLT HH 3/8 x 1-1/2 GR5 ZP	2
2	3268	STRAP BUCKLE 2" STRAIGHT	2
3	10616	SPACER PIPE	2
4	759	NUT HH 3/8 WHIZLOCK ZP	2
5	PC00050SYSL	50 GALLON PCO TANK	1
6	229	NUT HH 3/8" NYLOCK ZP	2
7	3071	STAP BUCKLE 2" BENT	2
8	544	BOLT HH 3/8 x 3 FULL THREAD ZP	2
9	DM-05367-46	NYLON STRAP 1.75 x 46"	2
10	64012H	CLAMP HOSE 3/4"	5
11	15017503	HOSE EVA 3/4"	6"
12	3T34F	TEE HOSE BARB x 3/4 NPTF	1
13	10918	FORMED SIGHT GUAGE SUPPORT 1000 GALLON	1
NS	10921	FORMED SIGHT GUAGE SUPPORT 1000 GALLON	1
14	3EL34	HOSE BARB ELBOW 3/4"HB X 3/4"NPTM	1
15	15007008	HOSE VINYL CLEAR 3/4" 1000 GALLON	54.5"
NS	15007008	HOSE VINYL CLEAR 3/4" 1250 GALLON	66.5"
16	11791	DECAL GALLON 1000 GALLON TANK	1
NS	11792	DECAL GALLON 1250 GALLON TANK	1
17	15007008	HOSE VINYL CLEAR 3/4"	40"
18	HB075	HOSE BARB 3/4"	1
19	64020H	CLAMP HOSE 1-1/2"	2
20	DF-103	FLO-RITE FAUCET	1
21	CPLG075	COUPLING 3/4" NPT	1
22	3EL34HB	HOSE BARB 90°	1
23	15007008	HOSE VINYL CLEAR 3/4"	58"
24	115	BOLT HH 5/16 x 1 GR5 ZP	2
25	768	NUT HH 5/16 WHIZLOCK ZP	2
26	10818	SIGHT GUAGE SUPPORT BRACKET	1
27	771	NUT HH 1/2" WHIZLOCK	2
28	152	BOLT HH 1/2 x 1 GR5 ZP	2
29	79.12	LYNARD 12"	1
30	200G	GASKET 2" STANDARD THICKNESS	7
NS	200GXT	GASKET 2" EXTRA THICK	SP
31	200CAP	2" CAM LOCK CAP	1
32	VSF200CF	VALVE MANIFOLD x 2" MALE ADAPTER	1
33	FC200	CLAMP MANIFOLD 2" STANDARD PORT	6
34	150G	GASKET 2"	1
35	M150BRB	MANIFOLD 1-1/2" HOSE BARB	2
36	TC-181	CLAMP T-BOLT 1-1/2"	4
37	120112800	FERTILIZER SOLUTION HOSE 1-1/2"	27"
38	M220150BRB	MANIFOLD 2" FULL PORT x 1-1/2 HOSE BARB	1
39	M220TEE	MANIFOLD TEE 2" FULL PORT	1
40	M200150BRB90	MANIFOLD HOSE BARB ELBOW 90°	1
41	MBF150200BD	MANIFOLD BOLTED BOTTOM DRAIN FITTING	1
42	CV220	MANIFOLD CHECK VALVE	1



9410 QFILL AND PUMP FEED

ITEM #	PART #	DESCRIPTION	QUANTITY
1	7236	VALVE HANDLE EXTENSION	1
2	683	PIN SPRING 1/4x 2	2
3	127	BOLT HH 3/8 x 3/4 GR5 ZP	1
4	258	WASHER FLAT 3/8" ZP	1
5	7232	VALVE HANDLE ADAPTER	1
6	7233	VALVE HANDLE COLLAR	1
7	MV220BL	MANIFOLD VALVE 2" FULL PORT BOTTOM LOAD	1
8	129	BOLT HH 3/8 x 1-1/2 GR5 ZP	2
9	258	WASHER FLAT 3/8" ZP	2
10	769	NUT HH 3/8" WHIZLOCK	2
11	44103220	ADAPTER 1/8" MPT x 1/4" QUICKLOCK	1
12	FMC-150F-HYD-206	ACE PUMP 150-206	1
13	6404-10-8	ADAPTER #10ORB x #8MPT	2
14	M200TEE	MANIFOLD TEE 2" STANDARD PORT	1
15	M200150BRB90	MANIFOLD ELBOW 2" x 1-1/2 HOSE BARB	1
16	MLS200-30	MANIFOLD Y STAINER 30 MESH SCREEN	1
17	150G	GASKET 2" STANDARD PORT	4
18	FC200	MANIFOLD CLAMP 2" STANDARD PORT	4
19	M200150BRB	MANIFOLD HOSE BARB 2" x 1-1/2 HOSE BARB	1
20	M300200BRB90	MANIFOLD 3" X 2" HOSE BARB 90°	2
21	300G	GASKET 3"	3
22	FC300	MANIFOLD CLAMP 3"	3
23	M300TEE	MANIFOLD TEE 3"	1
NS	79-12	LYNARD 12"	1
24	200CAP	CAP 2" QUICK CAM	1
25	200G	GASKET 2" STANDARD THICKNESS (PART OF 22)	
26	200GXT	GASKET 2" EXTRA THICK	SP
27	MVSF220FP	MANIFOLD VALVE 2" FULL PORT x MALE ADAPTER	1
28	M220200BRB	MANIFOLD 2" FULL PORT x 2" HOSE BARB	1
29	TC-231	T-BOLT CLAMP 2" HOSE	4
30	12012800	FERTILIZER SOLUTION HOSE 2"	27"
31	200G	GASKET 2" FULL PORT	3
32	FC220	MANIFOLD CLAMP 2" FULL PORT	3

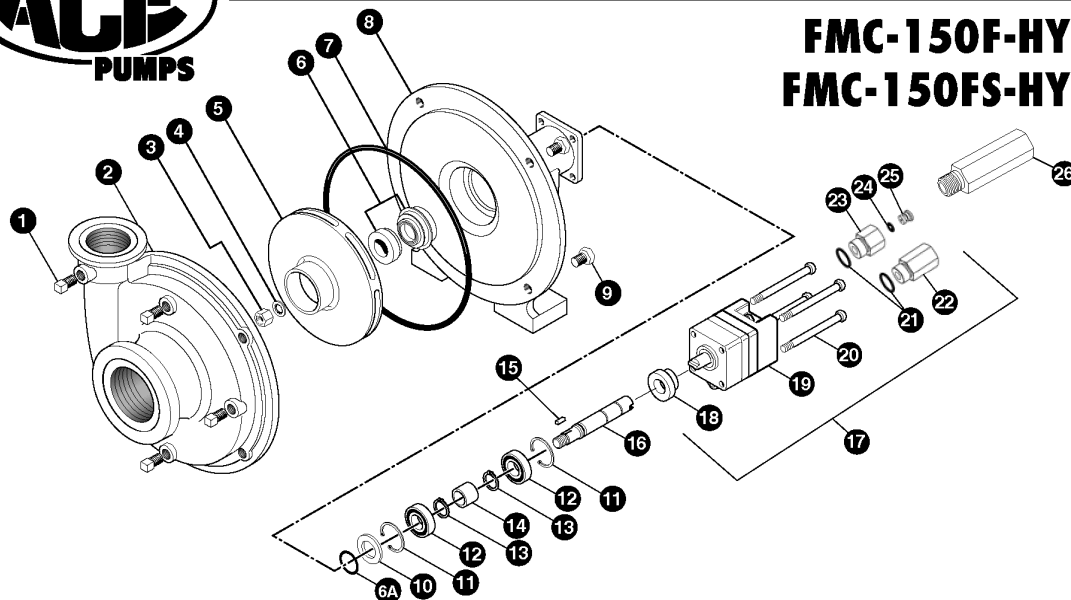


9430 QFILL AND PUMP FEED

ITEM #	PART #	DESCRIPTION	QUANTITY
1	7236	VALVE HANDLE EXTENSION	1
2	683	PIN SPRING 1/4x 2	2
3	127	BOLT HH 3/8 x 3/4 GR5 ZP	1
4	258	WASHER FLAT 3/8" ZP	1
5	7232	VALVE HANDLE ADAPTER	1
6	7233	VALVE HANDLE COLLAR	1
7	MV220BL	MANIFOLD VALVE 2" FULL PORT BOTTOM LOAD	1
8	129	BOLT HH 3/8 x 1-1/2 GR5 ZP	2
9	258	WASHER FLAT 3/8" ZP	2
10	769	NUT HH 3/8 WHIZLOCK ZP	2
11	44103220	ADAPTER 1/8MPT x 1/4" QUICK LOCK	1
12	93079	PUMP HYPRO 9306-BU	1
13	FC220	MANIFOLD CLAMP 2" FULL PORT	5
14	200G	GASKET 2" FULL PORT	5
15	M220TEE	MANIFOLD TEE 2" FULL PORT	1
16	M220150BRB90	MANIFOLD ELBOW 2" FULL PORT x 1-1/2 HOSE BARB	1
17	M220200CPG	MANIFOLD COUPLING 2" FULL PORT x 2" STD PORT	1
18	150G	GASKET 2" STANDARD PORT	4
19	FC200	MANIFOLD CLAMP 2" STANDARD PORT	4
20	MLS200-30	MANIFOLD Y STAINER 30 MESH SCREEN	1
21	M200150BRB	MANIFOLD HOSE BARB 2" x 1-1/2 HOSE BARB	1
22	M300200BRB90	MANIFOLD 3" X 2" HOSE BARB 90°	2
23	300G	GASKET 3"	3
24	FC300	MANIFOLD CLAMP 3"	3
25	M300TEE	MANIFOLD TEE 3"	1
26	79-12	LYNARD 12"	1
27	200CAP	CAP 2" QUICK CAM	1
28	200G	GASKET 2" STANDARD THICKNESS (PART OF 22)	
NS	200GXT	GASKET 2" EXTRA THICK	SP
29	MVSF220FP	MANIFOLD VALVE 2" FULL PORT x MALE ADAPTER	1
30	M220200BRB	MANIFOLD 2" FULL PORT x 2" HOSE BARB	1
31	TC-231	T-BOLT CLAMP 2" HOSE	4
32	12012800	FERTILIZER SOLUTION HOSE 2"	2) x 27"



FMC-150F-HYD-206 **FMC-150FS-HYD-206**

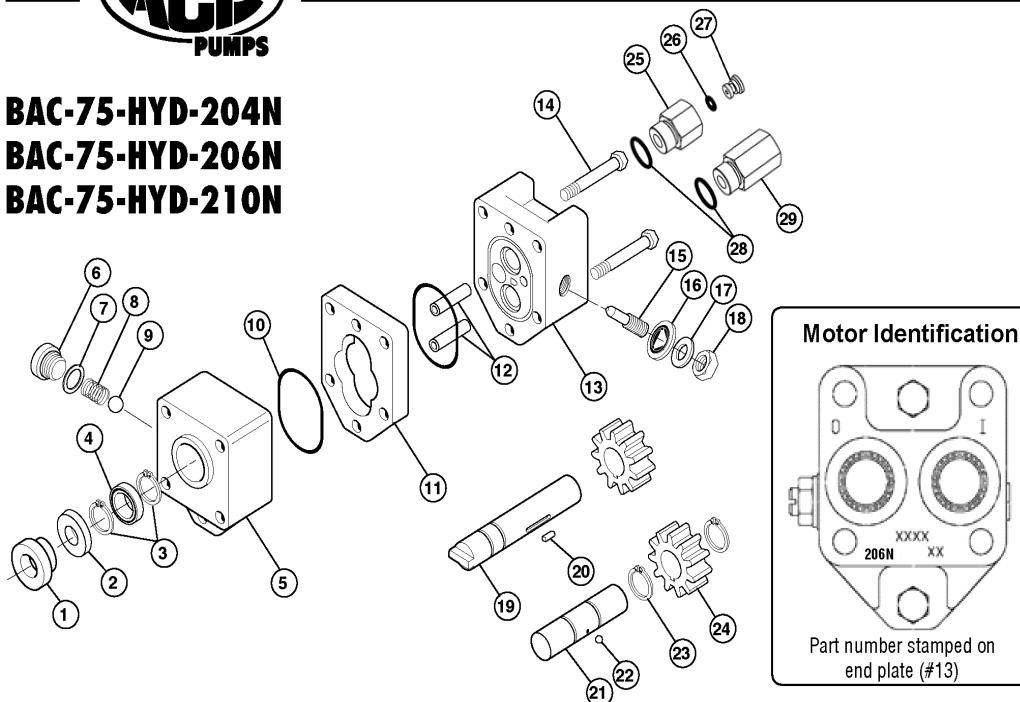


REF. #	PART NUMBER	EDP #	DESCRIPTION	REQ.
1	BAC-53	41110	Pipe plug	4
1	41120	41120	Pipe plug, stainless steel (optional)	4
2	BAC-12-150-FLG	40257	Volute, cast iron, NPT & flanged (for 150F models)	1
2	BAC-12-150-SS	40259	Volute, 316 stainless steel, NPT & flanged (for 150FS models)	1
3	BAC-23-A	40391	Nut, 3/8" NF, cad plated	1
3	BAC-23-A-SS	40392	Nut, 3/8" NF, stainless steel (optional)	1
4①②	BAC-24-HYD-SS	40400	Washer, 3/8" star, stainless steel	1
5	BAC-26-150-P	40446	Impeller, Valox, keyway	1
5	BAC-26-150-CI	40445	Impeller, cast iron, keyway (optional)	1
6①	BAC-7V	40151	Seal, carbon/ceramic/Viton (includes 40160 O-Ring)	1
6②	BAC-7SC	40152	Seal, silicon carbide/Viton (includes 40160 O-Ring) (optional)	1
6A①②	40160	40160	O-ring, shaft seal	1
7①②	BAC-4-150	40015	O-ring, body seal	1
8	BAC-14-150-HYD	40305	Mounting frame, cast iron (for 150F models)	1
8	BAC-14-150-HYD-SS	40319	Mounting frame, 316 stainless steel (for 150FS models)	1
9	40950	40950	Cap screw, 3/8" NC x 3/4" hex head	4
9	40930	40930	Cap screw, 3/8" NC x 3/4" hex head, stainless steel (optional)	4
10	BAC-54	41130	Slinger	1
11	BAC-33	40810	Snap ring, internal, BAC-14 mounting frame	2
12	BAC-37	40870	Ball Bearing, sealed, BAC-6 shaft	2
13	BAC-32	40790	Snap ring, external, BAC-6 shaft	2
14	BAC-32-S	40795	Spacer for BAC-6 shaft	1
15	BACH-25	40420	Key, 1/8" x 1/8" x 1/2"	1
16	BAC-6-HYD-SS	40061	Shaft, 5/8" diameter, keyway and tang slot, stainless steel	1
17	BAC-75-HYD-206	41372	Hydraulic motor, 7 GPM (includes parts 18 - 25)	1
18	S200	40161	Seal support spacer for 200 Series HYD motor	1
19	BAC-75-HYD-206N	41397	Hydraulic motor, 7 GPM (motor only - no external fittings)	1
20	41255	41255	Cap screw, 5/16" N. C. x 3-3/4" socket head (for 206N motor)	4
21	41875	41875	O-ring, #8 SAE fitting	2
22	BAC-78-8SAE	41441	Reverse check valve, #8 SAE male x 1/2" NPT female	1
23	BAC-80-8SAE	41455	Adapter, restrictor body, #8 SAE male x 1/2" NPT female	1
24	41448	41448	O-ring, orifice insert	1
25	BAC-79-7	41456	Orifice, restrictor insert, .109 (206N)	1
26	LS-206N	41418	Flow limiting valve (206N), #8 SAE male x 1/2" NPT female	1
①	RK-FMC-150	52710	Repair kit for FMC-150 series pump	-
②	RK-FMCS-150	52711	Repair kit for FMC-150 series with silicon carbide shaft seal	-
#	RK-BAC-75-HYD-L	41374	Repair kit for 200-L Series motor	-



HYDRAULIC MOTOR PARTS LIST

BAC-75-HYD-204N
BAC-75-HYD-206N
BAC-75-HYD-210N

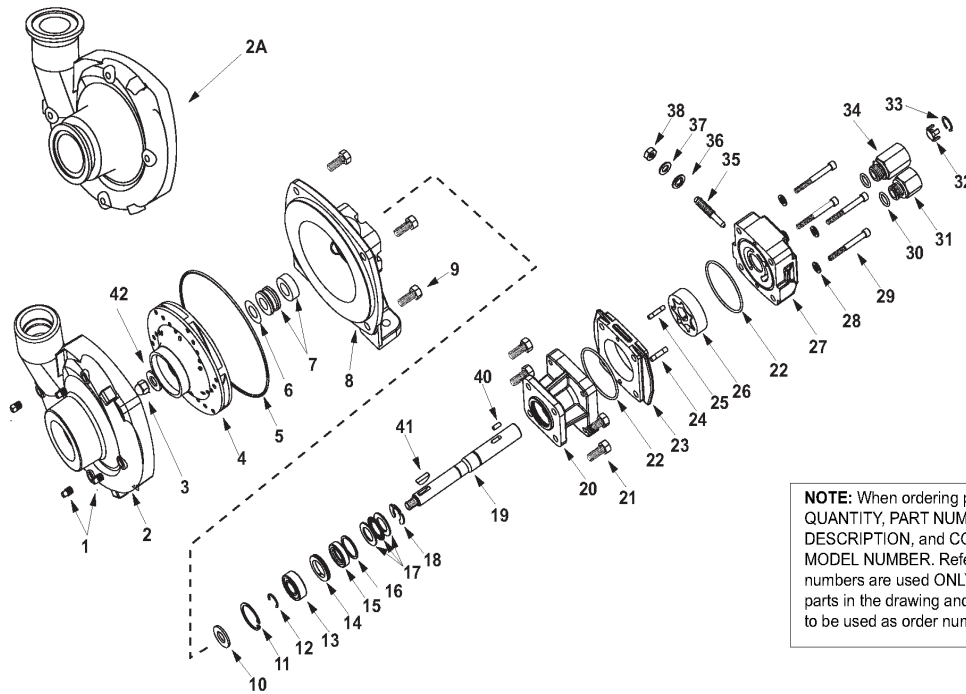


REF. #	MODEL 204N	MODEL 206N	MODEL 210N	DESCRIPTION	REQUIRED
1*	S20	S200	S200	Seal support spacer	1
2*	40153	4018	4018	Seal cartridg	1
3	4194	4194	4194	Snap ring, beari	2
4	4196	4196	4196	Ball bearing, 7/16" I.D	1
5	4173	4173	4173	Drive plat	1
6	42041	42041	42041	Valve cap, coasting check	1
7*	42044	42044	42044	"O" ring, coasting check	1
8	42042	42042	42042	Spring, coasting check	1
9	42043	42043	42043	Ball, coasting check	1
10*	41850	41850	41850	"O" ring, housing seal	2
11	4172	4172	4172	Gear housig	1
12	4180	4180	4180	Dowel pin, housig	2
13	4172	4172	4172	End plat	1
14	4190	4190	4190	Cap screw, 1/4" N.C. hex head	2
15	4200	4200	4200	Adjusting screw, needle valv	1
16*	42030	42030	42030	Thread seal, 3/8", needle valve	1
17	42040	42040	42040	Washer, flat steel, needle valve	1
18	40960	40960	40960	Nut, 3/8" N.C. jam, needle valve	1
19	41761	41764	41766	Drive shaft	1
20	41920	41921	41925	Dowel pin, drive shaft	1
21	41970	4197	4193	Idler shaf	1
22	41990	4199	4199	Ball, idler shaf	1
23	41980	4199	4199	Retaining ring, idler gea	2
24	41750	4175	4175	Gear	2
25	41455	4145	4145	Adapter body, #8 SAE male x 1/2" NPT	1
26	41448	41448	41448	"O" ring, orifice insert (use with 41456 insert)	1
27	41457	41456	41456	Insert, restrictor orifice (use with 41455 body)	1
28	41875	41875	41875	"O" ring, #8 SAE male fitting	2
29	41441	41441	41441	Reverse check, #8 SAE male x 1/2" NPT	1
#	41374	41374	41374	Repair Kit, RK-BAC-75-HYD-L	--

* Items included in motor repair kit.

ACE Form # HYD-200N SERIES
Revised 06/2006

All 9306C Series



Repair Parts Kit No. 3430-0332

Contains: One mechanical seal (Ref. 7), one o-ring (Ref. 5) and one rubber gasket (Ref. 6).

Silicon Carbide Seal Kit No. 3430-0589

Contains one each: mechanical seal (Ref. 7) and o-ring (Ref. 5).

Hydraulic Motor Part Nos.

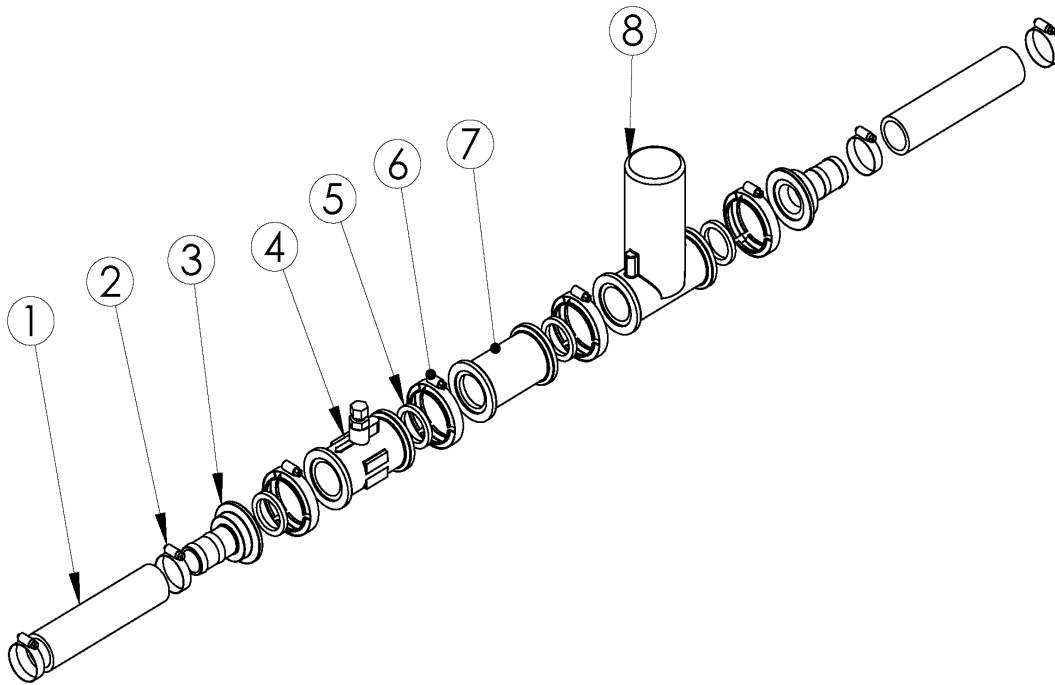
2500-0009C (HM1C Models)
2500-0011C (HM3C Models)
2500-0018C (HM5C Models)

Parts Kit No. 3430-0178

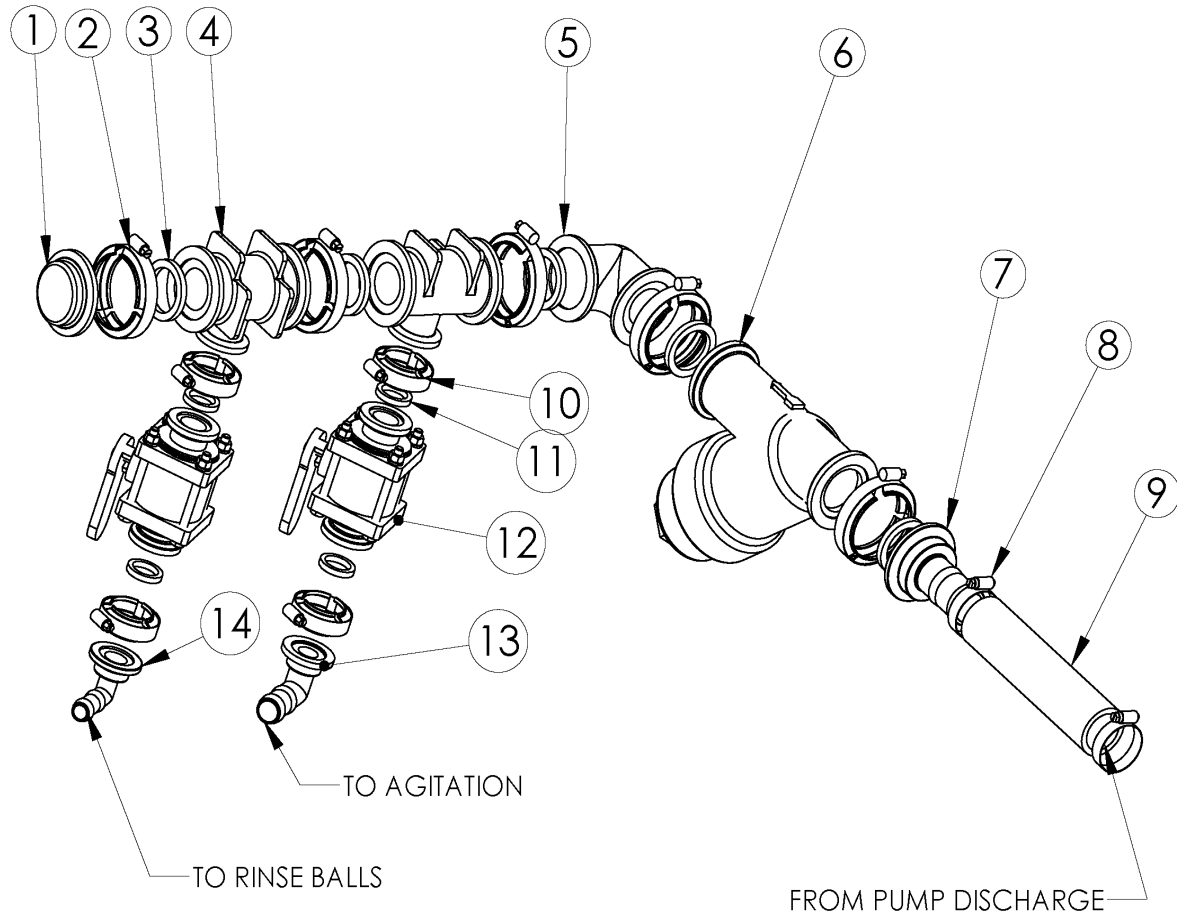
Contains: One each ball bearing (Ref. 13), motor shaft seal (Ref. 15), thread seal gasket (Ref. 36), and washer (Ref. 37); two each motor housing o-rings (Ref. 22), and port adapter o-rings (Ref. 30).

Ref. No.	Qty. Req'd.	Part No.	Description
1	4	2406-0007	Drain/Vent Plug
2	1	0154-9200C1	Pump Casing (Volute) (Includes a stainless steel wear ring)
2A	1	0157-9200C	Pump Casing (Universal Flange)
3	1	2253-0002	Impeller Nut
4	1	0401-9200P2	Impeller
5	1	1720-0083	O-ring
6	1	1700-0100	Rubber Gasket
7	1	2120-0009	Mechanical Seal (Viton)
7	1	3430-0589	Mechanical Seal (Silicon Carbide) (Optional)
8	1	0750-9300C	Mounting Flange
9	4	2210-0020	Hex Head Cap Screw
10	1	1410-0056	Slinger Ring
11	1	1820-0013	Retaining Ring
12	1	1810-0014	Snap Ring
13	1	2000-0010	Ball Bearing
14	1	1410-0073	Spacer
15	1	2104-0005	Shaft Seal
16	1	1410-0074	Seal Spacer
17	1	2029-0014	Thrust Bearing Assembly - Consists of: (1) Thrust Bearing & (2) Thrust Brg. Races
18	1	1810-0026	Snap Ring
19	1	0510-2500	Shaft (HM3C Model) 7-1/2" long
19	1	0511-2501	Shaft (HM1C & HM5C Models) 7" long
20	1	0151-2500C	Motor Body (Includes Main Bearing)
21	4	2210-0005	Hex Head Cap Screw
22	2	1720-0110	O-ring
23	1	0700-2500C1	Gerotor Housing (HM1C Model) 1/2" wide

Ref. No.	Qty. Req'd.	Part No.	Description
23	1	0702-2500C1	Gerotor Housing (HM3C Model) 1" wide
23	1	0704-2500C1	Gerotor Housing (HM5C Model) 5/8" wide
24	1	1600-0052	Dowel Pin (HM3C Models)
24	1	1600-0044	Dowel Pin (HM1C and HM5C Models)
25	1	1600-0068	Dowel Pin (HM3C Model)
25	1	1600-0037	Dowel Pin (HM1C and HM5C Models)
26	1	3900-0022	Gerotor (HM1C Model)
26	1	3900-0024	Gerotor (HM3C Model)
26	1	3900-0048	Gerotor (HM5C Model)
27	1	0251-2500C2	Motor End Plate (Includes Main Bearing)
28	4	2270-0039	Washer
29	4	2220-0044	Cap Screw (HM3C)
29	4	2220-0021	Cap Screw (HM1C)
29	4	2220-0032	Cap Screw (HM5C)
30	2	1720-0108	O-ring
31	1	3360-0021	Pressure Port Adapter
32	1	3260-0068	Poppet
33	1	1820-0038	Retaining Ring
34	1	3320-0049	Tank Port Adapter
35	1	3220-0029	Bypass Adjusting Screw
36	1	1700-0047	Gasket
37	1	2270-0027	Washer
38	1	2250-0038	Lock Nut
40	1	1610-0055	Roll Pin (HM3C Models)
40	1	1610-0031	Roll Pin (HM1C and HM5C Models)
41	1	1610-0012	Woodruff Key
42	1	2270-0071	Washer

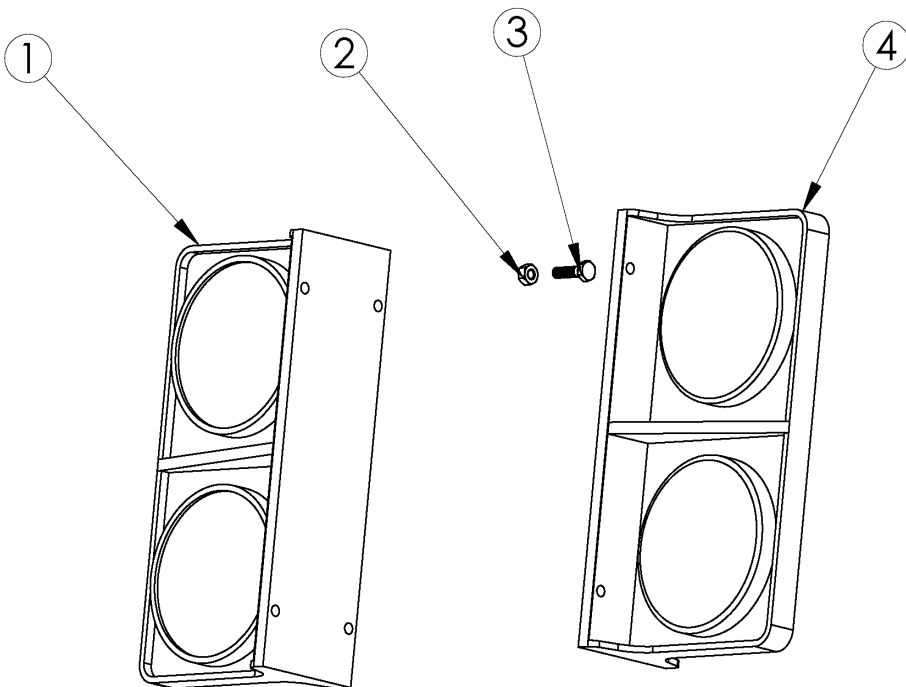
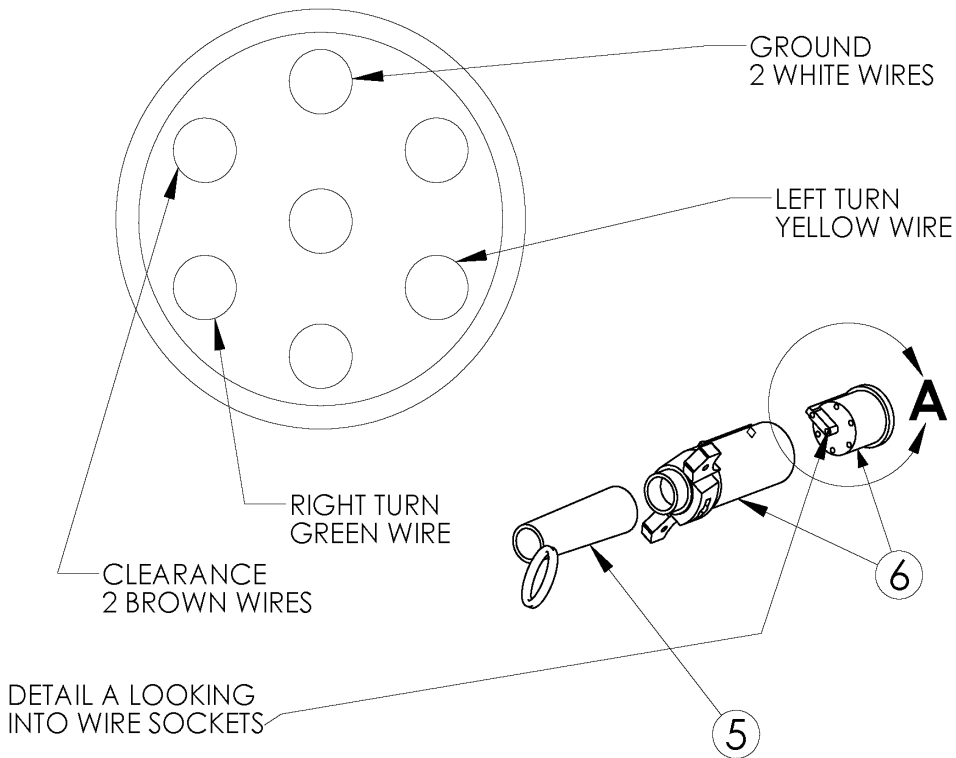


ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	1-1/2 EDPM	HOSE SPRAY GOODYEAR	2
2	64024H	CLAMP HOSE 1-1/2"	4
3	M200150BRB	MANIFOLD HOSE BARB 1-1/2"	2
4	063-0171-793	RAVEN FLOW METER 60-P	1
5	150G	GASKET 2" STD FLOW	4
6	FC200	MANIFOLD CLAMP 2" STD FLOW	4
7	M200CPG	MANIFOLD COUPLING 2" STD FLOW	1
8	063-0171-894	RAVEN MOTORIZED CONTROL VALVE	1
2	64024 H 1.5in Clamp		4



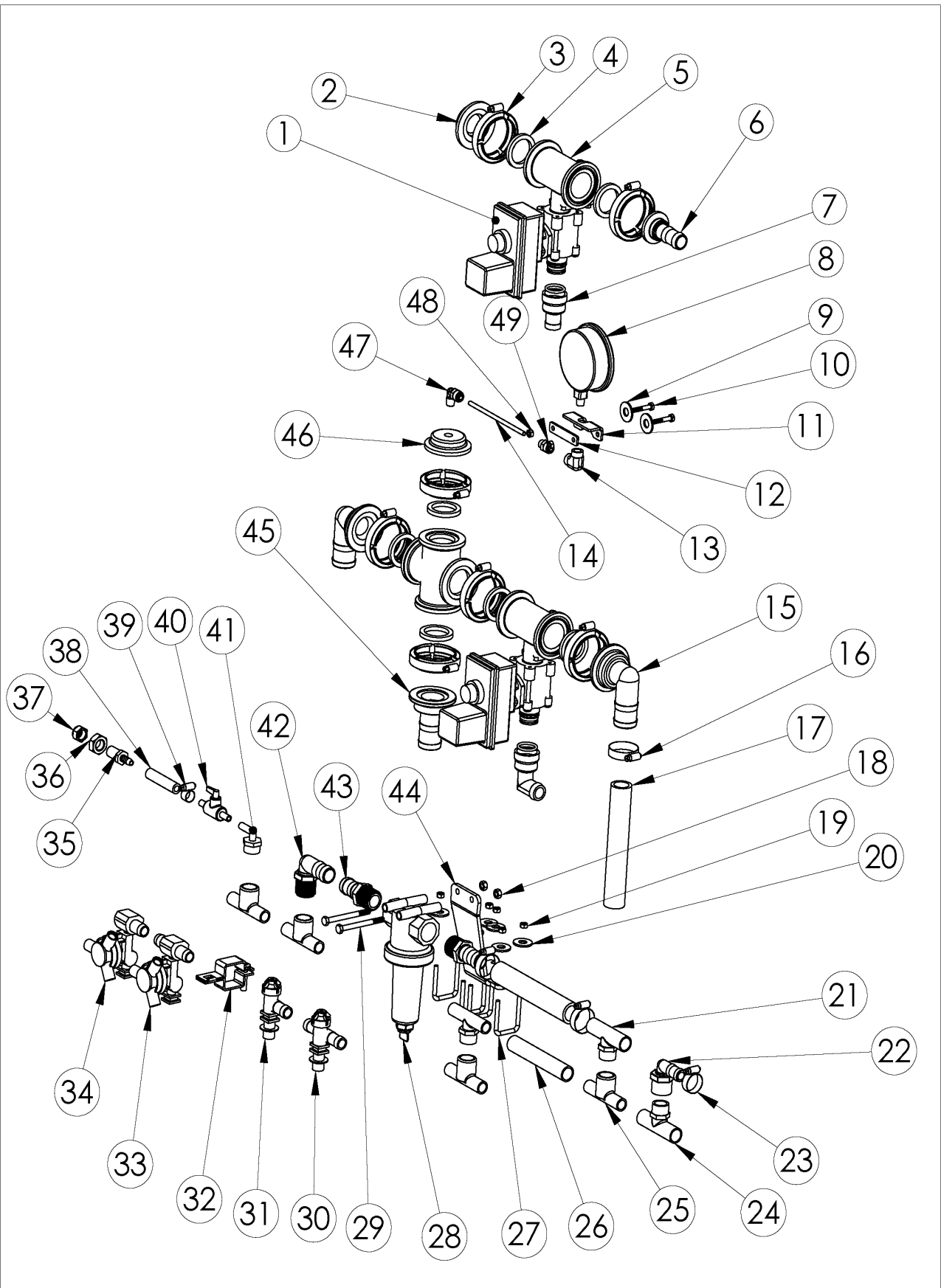
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	M200PLG	MANIFOLD PLUG 2"	1
2	FC200	MANIFOLD CLAMP 2"	5
3	150G	GASKET 2"	5
4	M200100TEE	MANIFOLD TEE 2" x 1"	2
5	M200CPG90SH	MANIFOLD COUPLING 2" 90°	1
6	MLS200-30	MANIFOLD LINE STRAINER 30 MESH	1
7	M200150BRB	MANIFOLD HOSE BARB 1-1/2"	1
8	64024H	CLAMP HOSE 1-1/2"	2
9	1-1/2EDPM	SPRAY HOSE 1-1/2" GOODYEAR	4
10	FC100	MANIFOLD CLAMP 1"	1
11	M100G	GASKET 1"	2
12	MV100CF	MANIFOLD VALVE 1"	2
13	M100075BRB90	MANIFOLD HOSE BARB 1" X 3/4" 90°	1
14	64024 H 1.5in Clamp	.	2

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9410 9430 9500
WARNING LITE'S AND PARTS

ITEM #	PART #	DESCRIPTION	QUANTITY USED
1	009-202LM1	WARNING LITE LH	1
2	767	NUT HH 1/4" WHIZLOCK ZP	8
3	102	BOLT HH 1/4 x 1 GR5 ZP	8
4	009-202RM1	WARNING LITE RH	1
5	37678	SPRING FOR PLUG	1
6	37673	PLUG	1
NS	1528	COMPLETE REPLACEMENT WIRING HARNESS (PLUGS INTO TRACTOR AND INTO WARNING LIGHTS)	AR

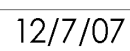


9410,9430,9500 Series Boom Plumbing

12/3/07

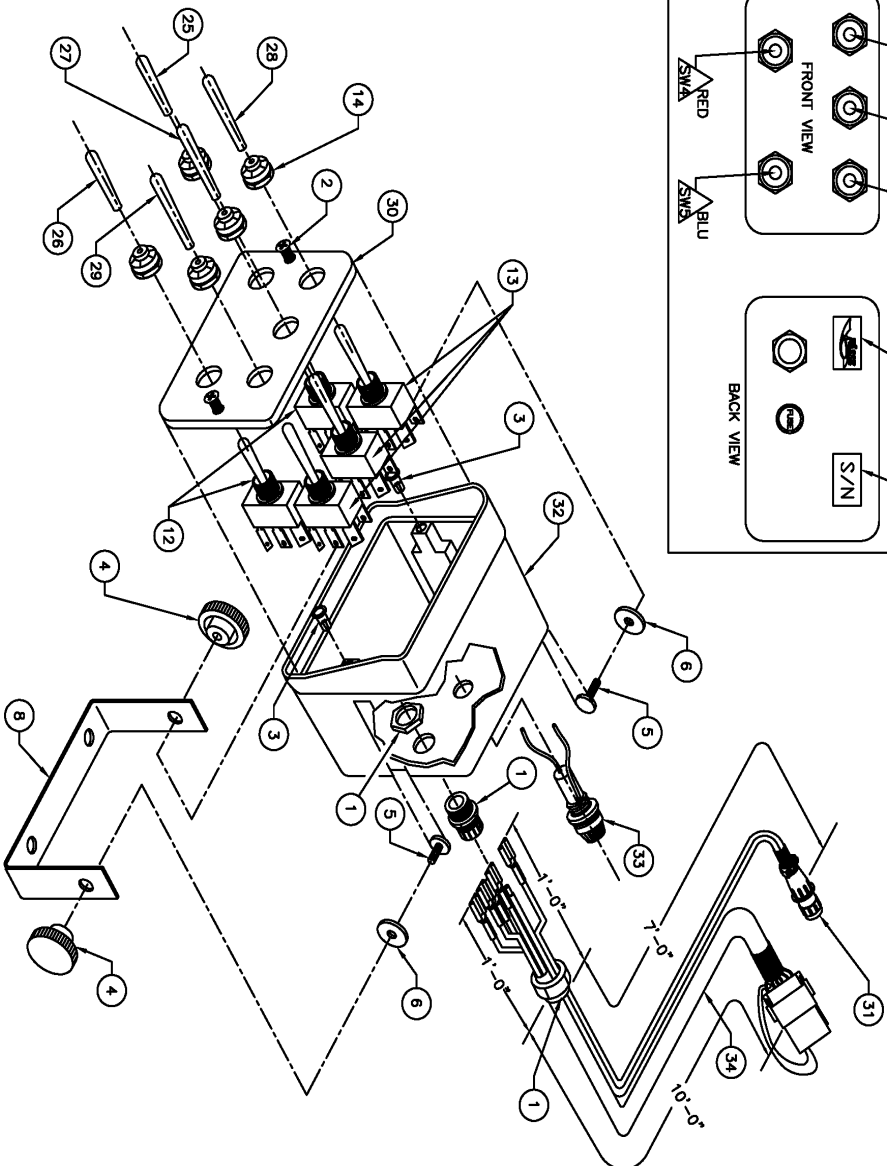
9410 9430 9500 BOOM PLUMBING PARTS

ITEM #	PART #	DESCRIPTION	QUANTITY
1	56608-11-451BEC	BALL VALVE SECTION	AR
2	M200BLG	2" MANIFOLD PLUG	AR
3	FC200	MANIFOLD CLAMP 2" STD	AR
4	150G	MANIFOLD GASKET 2"	AR
5	56609-2-F	VALVE SUB-ASSEMBLY	AR
6	M200100BRB	MANIFOLD 2" x 1" HOSE BARB	AR
7	45529-1"	QUICK CONNECTOR SUB/ASB	AR
8	4154-GXX-160	PRESSURE GUAGE 0-160PSI	1
9	256	WASHER FLAT 1/4" ZP	2
10	103	BOLT HH 1/4 x 1-1/2 GR5 ZP	2
11	11758	GUAGE BRACKET	1
12	11786	GUAGE STRAP	1
13	5504-4-4-SS	ELBOW 1/4" NPT STAINLESS STEEL	1
14	2T20-003	TUBING POLY 1/4" OD	AR
15	M200100BRB90	MANIFOLD ELBOW 2" x 1" HOSE BARB	2
16	64016H	HOSE CLAMP 1"	AR
17	1BH200	HOSE SPRAY EDPM 1" ID	AR
18	768	NUT HH 5/16" WHIZLOCK ZP	AR
19	655	NUT HH 1/4" NYLOCK SS	AR
20	663	WASHER FLAT 1/4" SS	AR
21	T34100T	3/4" MALE PIPE THREAD BY 1" HOSE BARB	AR
22	HB075-90	HOSE BARB ELBOW 3/4" MPT x 3/4" HB	AR
23	64012H	HOSE CLAMP 3/4"	AR
24	3T34T	3/4" MALE PIPE THREAD BY 3/4" HOSE BARB	AR
25	3T34F	3/4" FEMALE PIPE THREAD BY 3/4" HOSE BARB	AR
26	3/4BH200	HOSE SPRAY 3/4" EDPM	AR
27	577	U-BOLT 1-1/2 x 1-1/2 x 1/4 SS	AR
28	LST100-50	STRAINER LINE 50 MESH SCREEN	AR
29	120	BOLT HH 5/16 x 3-1/2 GR5 ZP	AR
30	22252-312-750-NYB	QJ300 TEE NOZZLE BODY	AR
31	22251-311-750-NYB	QJ300 L NOZZLE BODY	AR
32	QJ111SQ-1-1/2-304SS	NOZZLE BOOM CLAMP 1-1/2" SS	AR
33	QJ353-750-2-NYB	QJ350 3 PORT TEE NOZZLE BODY	AR
34	QJ353-750-1-NYB	QJ350 3 PORT L NOZZLE BODY	AR
35	3065	FENCELINE NOZZLE BODY	2
36	3B12	NOZZLE BODY NUT	2
37	CP8027-NYB	NOZZLE TIP NUT	2
38	3/8BH200	HOSE SPRAY EDPM 3/8"	AR
39	345-05	HOSE CLAMP 3/8"	2
40	226-6B6B	FENCELINE VALVE	2
41	3EL3438	HOSE BARB ELBOW 3/4" MPT x 3/8" HB	2
42	HB100075-90	HOSE BARB ELBOW 1" FPT x 3/4" HOSE	AR
43	HB100	HOSE BARB 3/4" MPT x 3/4" HB	AR
44	11772	STRAINER MOUNT	AR
45	M200150BRB	MANIFOLD 2" X 1-1/2" HOSE BARB	1
46	M200PLG025	MANIFOLD PLUG 2" x 1/4" PORT	1
47	44103211	Q-LOCK CONNECTOR ELBOW 1/4" MPT x 1/4" HOSE	1
48	227	NUT HH 1/4" NYLOCK ZP	2
49	44103206	Q-LOCK CONNECTOR 1/4" MPT x 1/4" HOSE	1

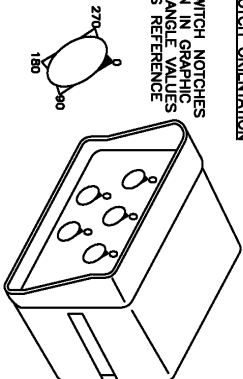


9410 9430 9500 HYDRAULIC CIRCUIT PARTS

ITEM #	PART #	DESCRIPTION	QUANTITY USED
1	648315	30TD16-150 SA PUSH	2
2	6400-4-8-R.047	8ORB x 4JIX RESTRICTED ADAPTER	2
3	FDM4R17-4FJX-4FJX-31.3	HOSE HYDRAULIC 4JIC STRAIGHT	1
4	2-NV12-12SAE-M 520048	HYDRAULIC TIP x 8ORB	4
5	FDM8R17-8FJX-8MBO-288	HOSE HYDRALIC BLOCK FEED	2
6	645710	30TD16-150 DOUBLE ACTING	2
7	6801-4-8-R.032	8ORB x 4JIX 90° RESTRICTED ADAPTER	4
8	FDM4R17-4FJX-4FJX-104	HOSE HYDRAULIC 4JIC STRAIGHT	2
9	FDM4R17-4FJX90M-4FJX-302	HOSE HYDRAULIC 4JIC STRx 4JIC 90°	1
10	FDM4R17-4FJX90M-4FJX-322	HOSE HYDRAULIC 4JIC STRx 4JIC 90°	1
11	6400-4-8-R.0432 610059	8ORB x 4JIX RESTRICTED ADAPTER	4
12	645710	30TD16-150 DOUBLE ACTING	2 on 80-90-100'
NS	645708	25TD16-125 DOUBLE ACTING	2 on 60'
13	FDM6R17-6FJX-6FJX-156	HOSE HYDRAULIC 6JIC STRAIGHT	2
14	6801-6-8	8ORB x 6JIX ADAPTER	2
NS	648422	25TD08-112 SA PULL WING TILT	2
-	648402 OPT. NORAC/RAVEN	25TD10-112 SA PULL WING TILT	2
15	FOR NORAC OR RAVEN BOOM HEIGHT CONTROL SYSTEMS		OPT.
16	6805-6-8	8ORB x 3/8" FPT 90° ADAPTER	4
17	BV3	BREATHER 3/8" MPT	4
18	FDM4R17-4FJX90M-SAME-302	HOSE HYDRAULIC 4JIC 90°x 4JIC 90°	1
19	FDM4R17-4FJX90M-4FJX-322	HOSE HYDRAULIC 4JIC 90°x 4JIC 90°	1
20	FDM4R17-4FJX-4FJX-104	HOSE HYDRAULIC 4JIC STRAIGHT	2
21	FDM8R17-8MBO-10MBX090-204	HOSE HYDRALIC PUMP FEED	2
22	0531-601-500/100	ACCUMALATOR HYDRAULIC	1
23	FDM4R17-4FJX-4FJX90M-15	HOSE HYDRAULIC 4JIC STRAIGHT	1
24	FDM4R17-4FJX-4FJX-25.3	HOSE HYDRAULIC 4JIC STRAIGHT	1
25	2603-4	TEE ADAPTER 4JIC	1
26	6602-4	RUN TEE ADAPTER 4 JIC	5
27	6402-4-4	ADAPTER SWIVEL 4JIC x 4ORB	2
28	MPV-14-SAE	VALVE 1/4 TURN HYDRAULIC	1
29	700-0805-4103	HYDRAULIC BLOCK 5 FUNCTION	1
30	258	WASHER FLAT 3/8" ZP	2
31	229	HUT HH 3/8" NYLOCK ZP	2
32	132	BOLT HH 3/8 x 3 GR5 ZP	2

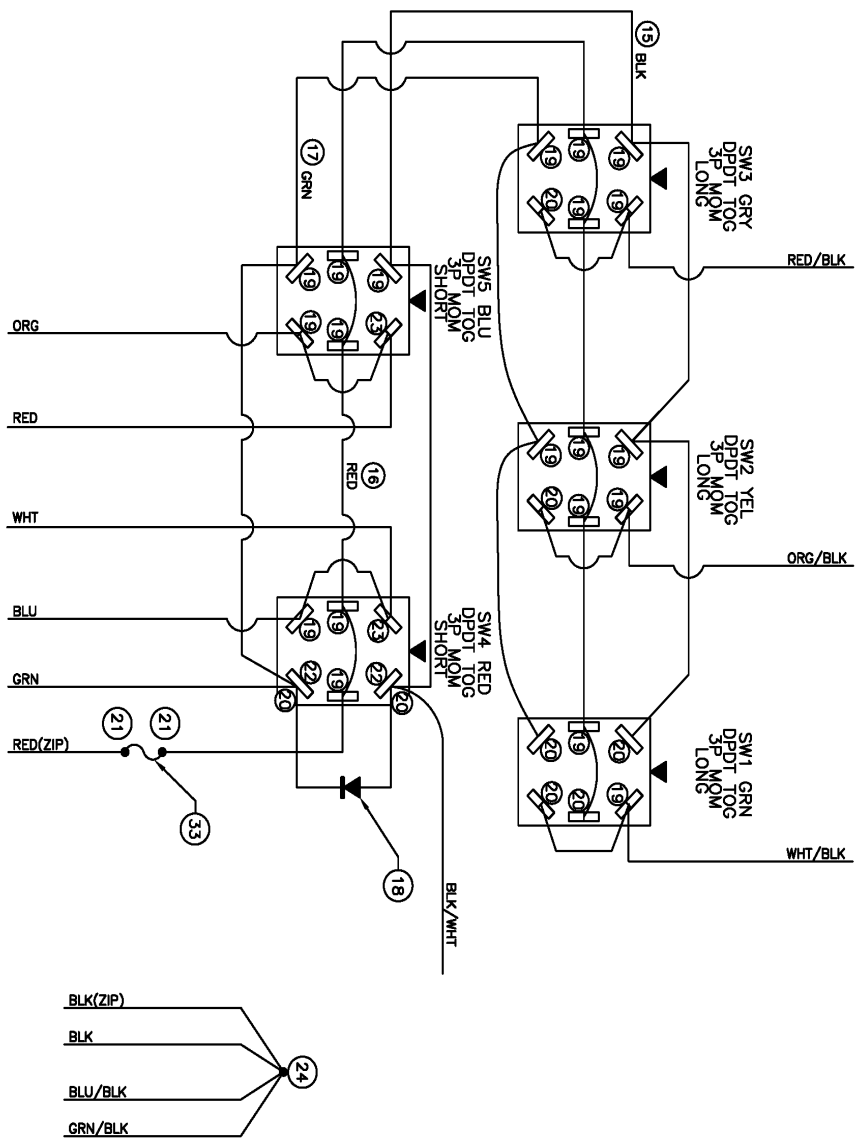


- ORIENT SWITCH NOTCHES AS SHOWN IN GRAPHIC
- USE THE ANGLE VALUES SHOWN AS REFERENCE

[illegible]

NOTES:

1. USE 1-CABLE TIE TO COIL UP HARNESS
2. NOT SHOWN: (7) (9)
3. CUT (25) & (26) TO FIT ON SW BAT.



▲ = NOTCH LOCATION

MAILING SERVICE ADDRESS OF THE ADDRESSEE 3 M. DEWEES 10101 10101		SENDER'S DATE 07/12/01	
THE FOLLOWING IS A SUMMARY OF THE INFORMATION CONTAINED IN THE ATTACHED DOCUMENTS. THE INFORMATION IS FOR YOUR INFORMATION ONLY. IT IS NOT TO BE USED FOR ANY OTHER PURPOSE. ALL INFORMATION IS PROVIDED FOR YOUR INFORMATION ONLY.		DATE 07/12/01	
MNTN ASSY FD 5C-35A			
FROM NO 312-944		TO NO 312-944	
SHEET 2 OF 2		SHEET 2 OF 2	

Diagram illustrating a cable management system. A cable (2) is shown entering a rack (4) and connecting to various components (5, 6, 7, 8, 9, 10). The cable is shown with a 3-inch bend radius and a 10'-0 inch length. The components are labeled 1 through 10.

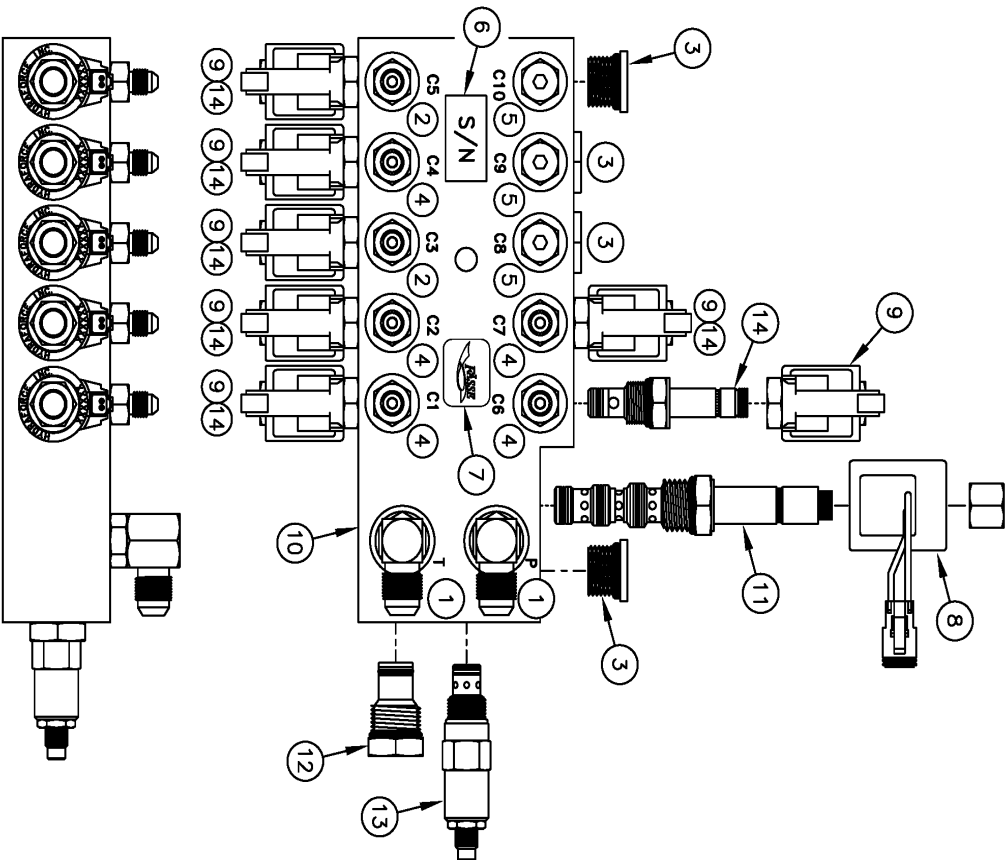
- 1-RED
2-ORG
3-WHT
4-BLU/BLK
5-RED/BLK
6-ORG/BLK
7-WHT/BLK
8-BLU
9-BLK/WHT
10-GRN
11-BLK
12-GRN/BLK

- 1-CAVITY PLUG
2-CAVITY PLUG
3-CAVITY PLUG
4-CAVITY PLUG
5-CAVITY PLUG
6-CAVITY PLUG
7-CAVITY PLUG
8-CAVITY PLUG
9-CAVITY PLUG
10-CAVITY PLUG
11-BLK WIRE
12-BLK WIRE

NOTE:
1. USE **(2)** AS LANYARD FOR 12PIN RECEPT.

PARTS LIST

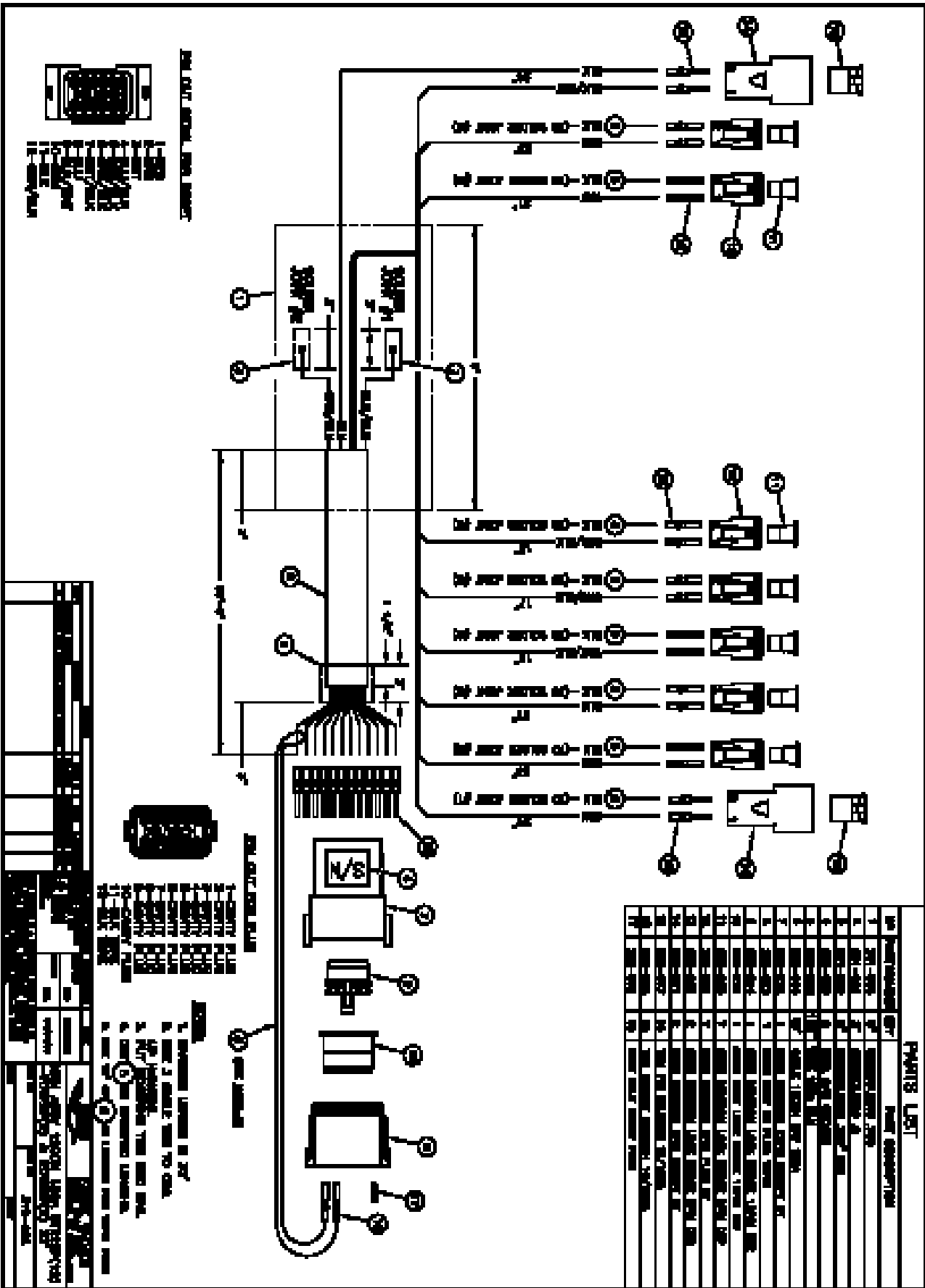
N#	PART NUMBER	QTY	PART DESCRIPTION
1	210-017	2	FTG 6601-8-B/E-MJ-MO
2	210-023	2	FTG 6400-6-6/S-MJ-MO
3	210-038	4	FTG 6408-HHP-8/HOLL HEX PLUG MO
4	210-113	5	FTG 6400-4-6/S-MJ-MO
5	210-127	3	FTG 6408-HHP-6/HOLL HEX PLUG MO
6	232-050	2	DECL S/N (SILVER)
7	232-058	1	DECAL FASSE BLK/GOLD 1" X .75" RND CRNR
8	253-037	1	COIL H/F 6359774 DT
9	253-046	7	COIL HYDAC 0312600 DL DSTCH RECPT.
10	270-093	1	MANI S14153-4 SCIR AL RV
11	273-008	1	CART SV10-40-0-N-00
12	273-012	1	CART CP10-20
13	273-058	1	CART H/F RV10-22A-0-N-NC-35-30
14	273-077	7	CART HYDAC WS 08W-01-C-N-0

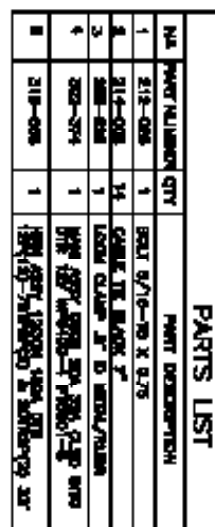


Notes:

1. TORQUE -06 HFCART TO 15 FT LBS.
2. TORQUE -08 HFCART TO 20 FT LBS.
3. TORQUE -10 HFCART TO 25 FT LBS.
4. TORQUE COIL NUTS TO 5 FT LBS.

REVISIONS		SIGNATURES		DATE	
REV	DESCRIPTION	FORM #	DATE	APPROVED	DATE
A	RELEASED DRAWING	08-0046	08/05/06	DLG BNL	08/07/06
	210-113 S/N, WS 7, ASD 210-023	07-0044	06/21/07	DLG BNL	
THIS DRAWING IS A PROPRIETARY DESIGN OWNED BY FASSE VALVES AND IS NOT TO BE REPRODUCED OR USED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF FASSE VALVES.		MANI ASSY 0805 2DA 3SA CLSD INTG DTR 12V WP6400-4 PT6801-8		302-374	
SCALE		SHEET			



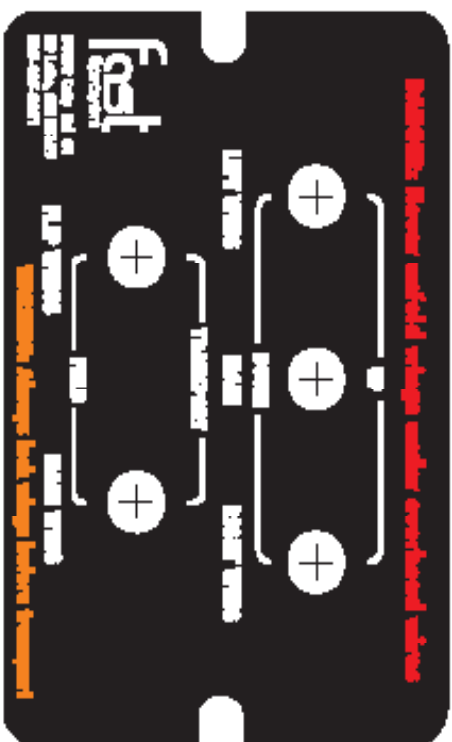


1. DONKEY HUNTER TO
BLACK GENERAL.
2. THE OTHER TWO
WERE DEAD. THE
ONE DEAD.

[illegible]

700-0900-4102 & 700-0900-4104

Switch No.	Switch Color	Switch Position	Hot Wires	Pin Out Location	Pressure Ports	Tank Ports	Function
1 Long	Green	Up (mom) Center (stat) Down (mom)	Wh/Bk & Grn Wh/Bk & Grn & Blk/Wht	7 & 10 7 & 10 & 9	C3 C3		Lt. Wing Up Off Lt. Wing Down
2 Long	Yellow	Up (mom) Center (stat) Down (mom)	Org/Bk & Grn Org/Bk & Grn & Blk/Wht	6 & 10 6 & 10 & 9	C4 C4		Main Up Off Main Down
3 Long	Gray	Up (mom) Center (stat) Down (mom)	Red/Bk & Grn Red/Bk & Grn & Blk/Wht	5 & 10 5 & 10 & 9	C5 C5		Rt. Wing Up Off Rt. Wing Down
4 Short	Red	Up (mom) Center (stat) Down (mom)	Wht & Blu & Grn Wht & Blu & Grn & Blk/Wht	3 & 8 & 10 3 & 8 & 10 & 9	C2 C7	C7 C2	Flip Wings Transport Off Flip Wings Field
5 Short	Blue	Up (mom) Center (stat) Down (mom)	Red & Org & Grn Red & Org & Grn & Blk/Wht	1 & 2 & 10 1 & 2 & 10 & 9	C1 C6	C6 C1	Main Wing Transport Off Main Wing Field
			Blk	11			Ground
			Blu/Bk	4			Ground
			Grn/Bk	12			Ground



TORQUE SPECS

PISTON NUT

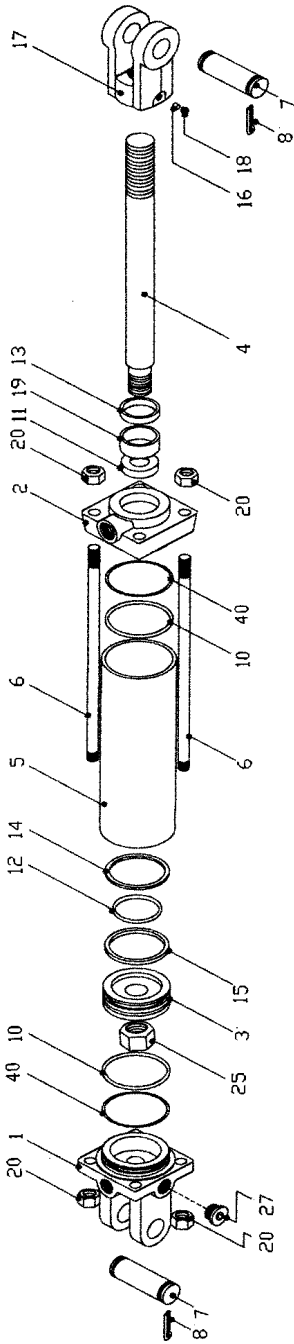
NUT 3/4-16 UNF LOCKNUT	130 FT. LB
NUT 1-14 UNS. LOCKNUT	300 FT. LB
NUT 1 1/8-12 UNF. LOCKNUT	350 FT. LB
NUT 1 1/4-12 UNF. LOCKNUT	525 FT. LB
NUT 1 1/2-12 UNF. LOCKNUT	750 FT. LB

ROD CLEVIS SET SCREW

NUT 3/8-16 UNC	20 FT. LB
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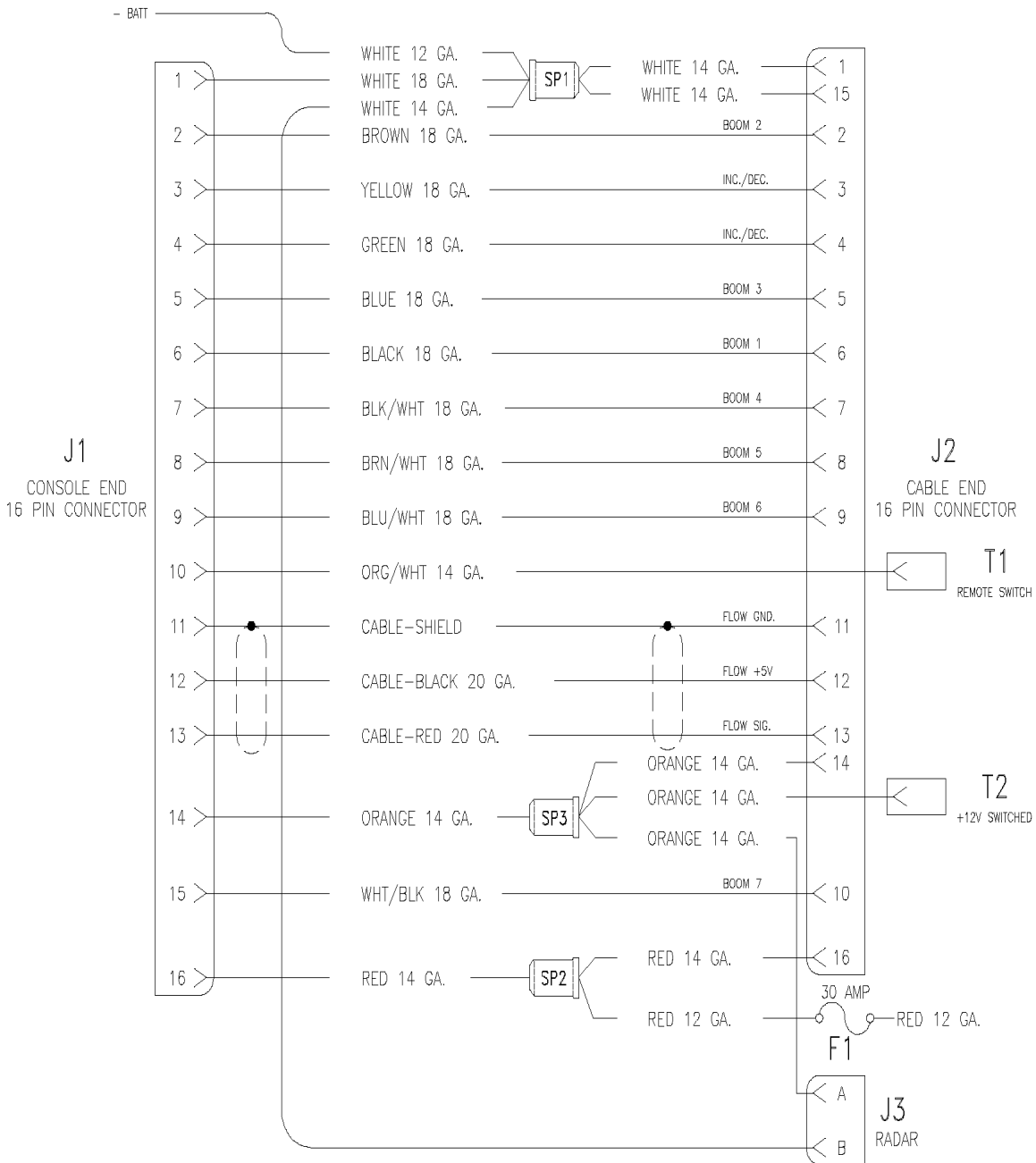
TIE ROD NUT

NUT 3/8-16 UNC	30 FT. LB
NUT 1/2-13 UNC	80 FT. LB
NUT 5/8-11 UNC	140 FT. LB
NUT 5/8-18 UNF	160 FT. LB
NUT 3/4-18 UNF	250 FT. LB

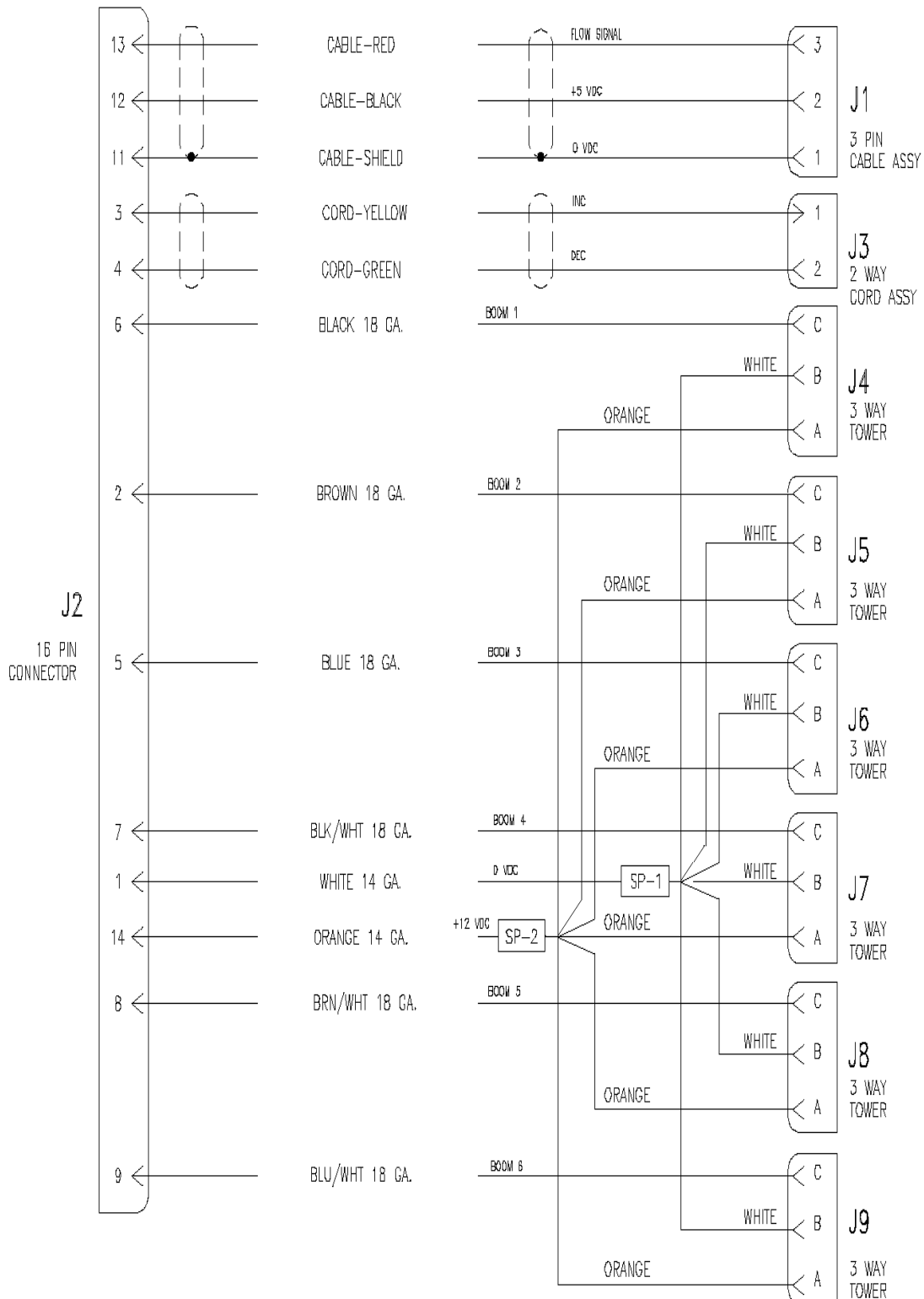


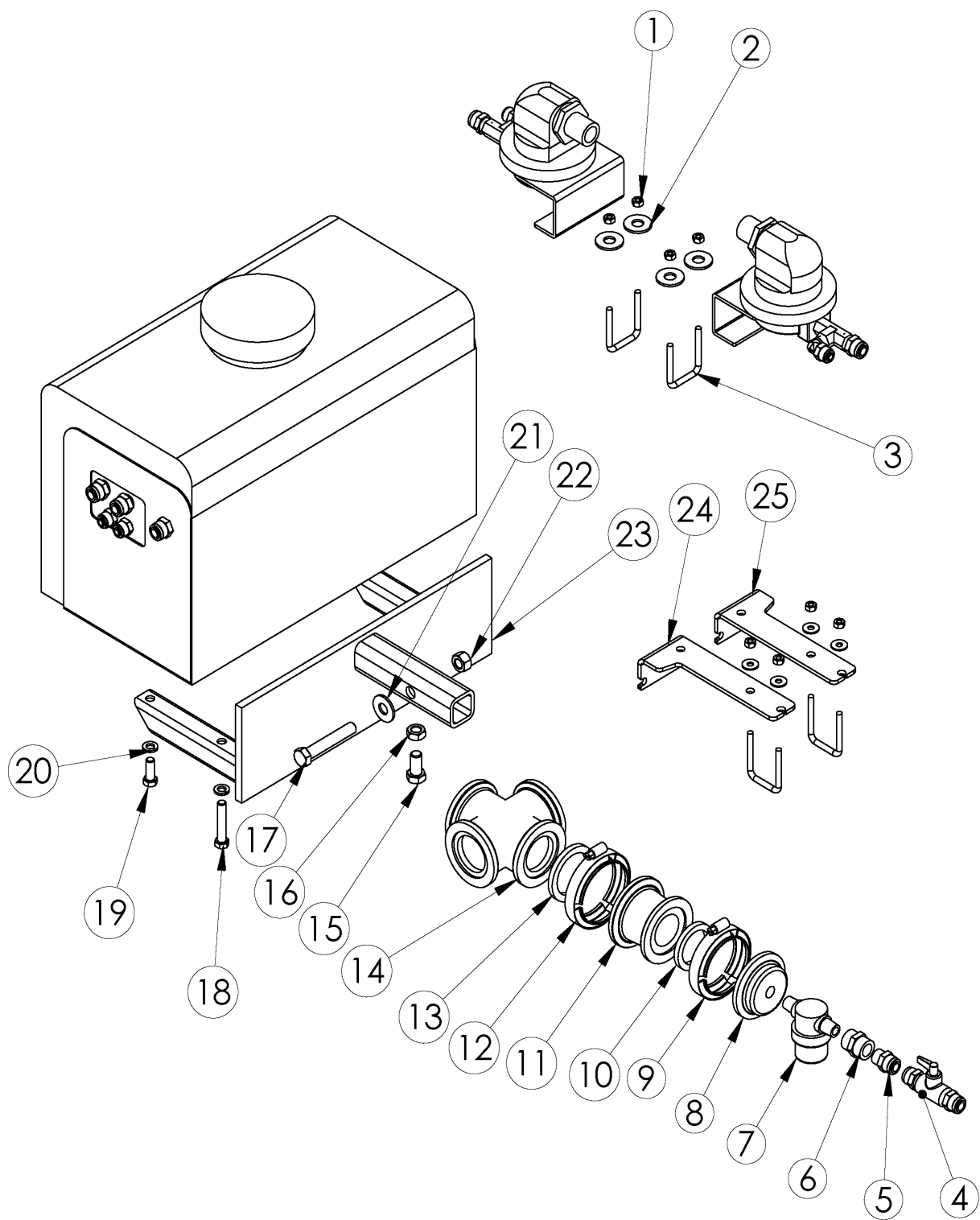
CYLINDER MODEL NUMBER		25TD16-125	40TD10-150	30TD16-150	40TD16-175	25TD20-125	30TD12-125	25TD12-112	40TD10-150	40TD16-150	40TD24-200	35TD12-112	25TD12-112	40TD12-112	50TD12-112	40TD8-200	20TD16-112	30TD10-125											
CYLINDER PARTS	Monarch Number:	645708	645710	645711	645712	645713	645848	645878	645894	645924	645946	645947	645948	645979	648002	648033	648040	648058	648124	648169									
	Bore:	2.5"	4.00"	4"	4"	2.5	2.5	3	3	2.5"	4	4	3.5	2.5"	2.5"	2.5"	5	4	2	3.0"									
	Stroke:	16"	10.00"	8	10	20	4"	12	12	4"	10	10	24	12"	12"	12"	24	36	16.00	10"									
	Rod Diameter:	1.25"	1.5"	1.5	1.5	1.75	1.25	1.25	1.25	1.25	1.5	1.5	1.5	1.5	1.125"	1.125"	2	2	1.125	1.25"									
CYLINDER PARTS		Monarch Part Number																											
Item	Description	Qty	492674	492675	492676	492677	492678	492679	492680	492681	492682	492683	492684	492685	492686	492687	492688	492689	492690	492691	492692	492693	492694	492695	492696	492697	492698	492699	492700
1	Clevis Cap	1	492674	492675	492676	492677	492678	492679	492680	492681	492682	492683	492684	492685	492686	492687	492688	492689	492690	492691	492692	492693	492694	492695	492696	492697	492698	492699	492700
2	Rod Cap	1	492727	492686	492686	492727	492686	492686	492686	492686	492732	492732	492732	492732	492732	492732	492732	492732	492732	492732	492732	492732	492732	492732	492732	492732	492732	492732	492732
3	Piston	1	294726	494755	494755	494768	494755	494755	494755	494755	294734	294734	294734	294734	294734	294734	294734	294734	294734	294734	294734	294734	294734	294734	294734	294734	294734	294734	294734
4	Rod	1	493267	494800	493597	493128	493128	493128	493128	493128	493272	493272	493272	493272	493272	493272	493272	493272	493272	493272	493272	493272	493272	493272	493272	493272	493272	493272	493272
5	Tube	1	491676	491676	491746	491676	491676	491676	491676	491676	491738	491738	491738	491738	491738	491738	491738	491738	491738	491738	491738	491738	491738	491738	491738	491738	491738	491738	491738
6	Tie Rod	4	492226	492340	492286	492230	492346	492346	492340	492340	492278	492282	492278	492214	492340	492340	492340	492340	492340	492340	492340	492340	492340	492340	492340	492340	492340	492340	492340
7	Clevis Pin (Base End)	1	134953	134953	257835	134953	257835	134953	134953	134953	257835	134953	134953	134953	134953	134953	134953	134953	134953	134953	134953	134953	134953	134953	134953	134953	134953	134953	134953
7	Clevis Pin (Rod End)	1	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same	Same
8	Cotter Pin	4	135995	135995	136008	135995	136008	135995	135995	135995	135995	136008	135995	135995	136008	135995	136008	135995	136008	135995	136008	135995	136008	135995	136008	135995	136008	135995	135995
16	Nylon Thread Protector	1	498006	498006	498006	498006	498006	498006	498006	498006	498006	498006	498006	498006	498006	498006	498006	498006	498006	498006	498006	498006	498006	498006	498006	498006	498006	498006	498006
17	Rod Clevis	1	492650	492652	493178	492650	492485	492652	492652	492652	492652	492652	492652	492650	492652	492652	493178	492652	493178	492650	492650	492650	492650	492650	492650	492650	492650	492650	492650
18	Set Screw	1	148390	148390	148390	148390	148390	148390	148390	148390	148390	148390	148390	148390	148390	148390	148390	148390	148390	148390	148390	148390	148390	148390	148390	148390	148390	148390	148390
20	Tie Rod Nut	8	128230	128271	128250	128230	128250	128230	128271	128271	128230	128271	128230	128230	128271	128230	128271	128230	128271	128230	128271	128230	128271	128230	128271	128230	128271	128230	128250
25	Piston Nut	1	130556	130560	130559	130556	130560	130559	130559	130559	130560	130559	130560	130556	130559	130559	130782	130559	130559	130556	130556	130556	130559	130559	130556	130556	130556	130556	130560
27	Port Plug	1	186562	186562	186562	186562	186562	186562	186562	186562	186562	186562	186562	186562	186562	186562	186562	186562	186562	186562	186562	186562	186562	186562	186562	186562	186562	186562	186562
REPAIR KIT PARTS																													
10	End Cap O-ring	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	U-cup Rod Seal	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Piston Seal Expander O-ring	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Rod Wiper	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	PTFE Piston Seal	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Piston Wear Ring	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
40	End Cap Backup Washer	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monarch Repair Kit (Includes all above parts)		1	639556	645490	639559	645766	639566	645504	645765	639555	645766	639565	639585	639562	645752	639555	639571	639585	639562	645752	639555	639571	639585	639562	645752	639555	639571	639585	645765

CABLE, CONSOLE, SCS 460, 6 BOOM, 10' 115-0171-085 (Rev. A)



CABLE, 12' PRODUCT, 6 BOOM WITH 3 PIN TOWERS 115-0171-129 (Rev. A)



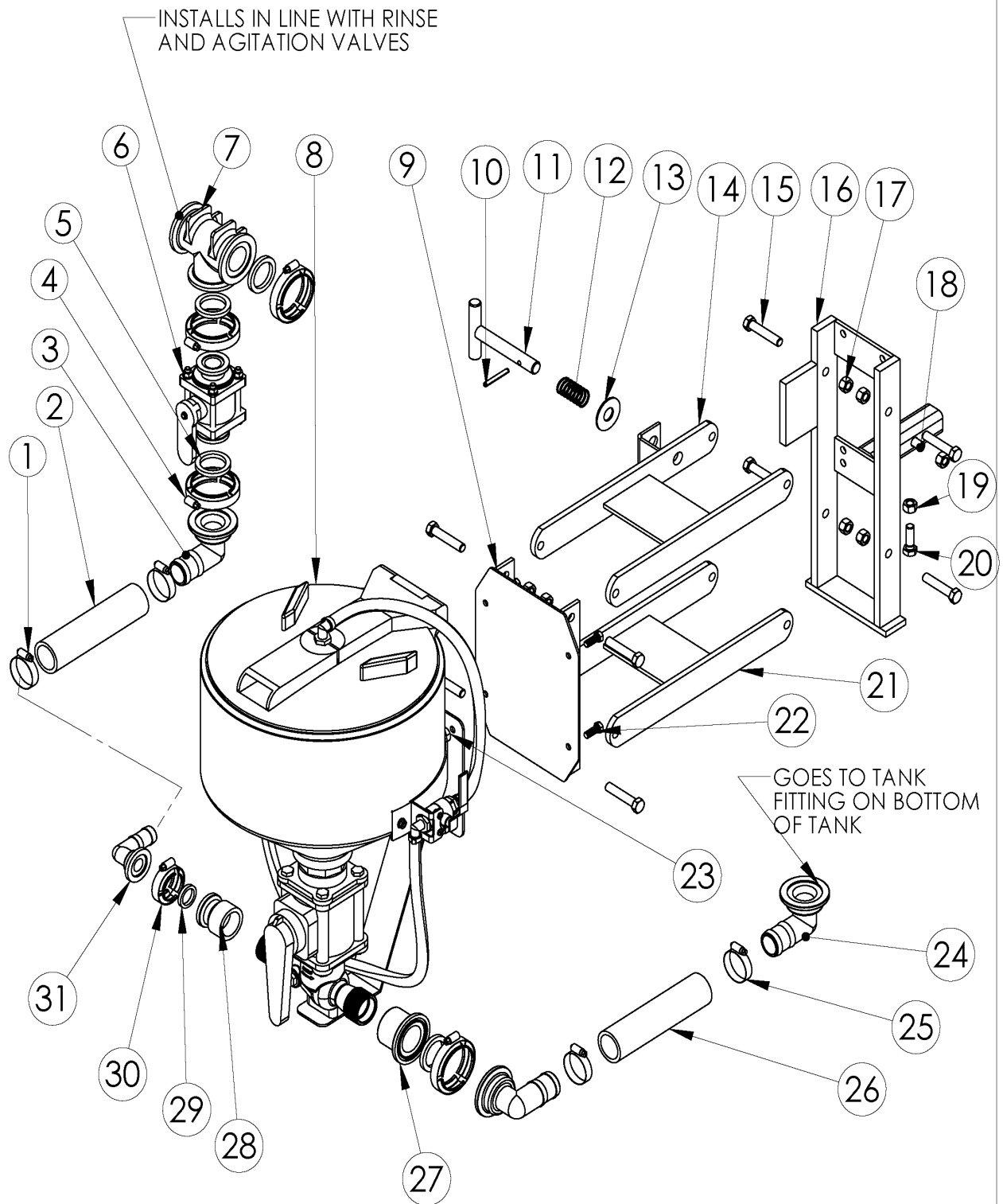


DIRECT INJECTION FOAMER

10/29/07

RICHWAY DIRECT INJECTION FOAMER MOUNTING PARTS

ITEM #	PART #	DESCRIPTION	QUANTITY
1	647	NUT HH 1/4 NYLOCK SS	8
2	663	WASHER FLAT 1/4 SS	8
3	577	U-BOLT 1/4 x 1-1/2 SS	4
4	44103289	VALVE SHUT OFF 3/8 Q-LOCK	1
5	44103207	Q-LOCK ADAPTER FITTING 3/8"	1
6	3FC038	COUPLER 3/8" FPT	1
7	RVM66NE40C	STRAINER 40 MESH 3/8" MPT	1
8	M200PLG038	MANIFOLD PLUG x 3/8" FPT	1
9	FC200	MANIFOLD CLAMP 2" STD PORT	1
10	150G	GASKET 2" STD PORT	1
11	M220200CPG	MANIFOLD COUPLING 2" FULL PORT x 2" STD PORT	1
12	FC220	MANIFOLD CLAMP 2" FULL PORT	1
13	200G	GASKET 2" FULL PORT	1
14	M220CR	MANIFOLD CROSS 2" FULL PORT	1
15	152	BOLT HH 1/2 x 1 GR5 ZP	1
16	223	NUT HH 1/2" JAM ZP	1
17	156	BOLT HH 1/2 x 3 GR5 ZP	1
18	130	BOLT HH 3/8 x 2 GR5 ZP	2
19	128	BOLT HH 3/8 x 1 GR5 ZP	2
20	250	WASHER LOCK 3/8" ZP	2
21	260	WASHER FLAT 1/2" ZP	1
22	771	NUT HH 1/2" WHIZLOCK ZP	1
23	10792	MOUNT FOAMER	1
24	10296R	FOAMER DROP HOSE BTRACKET RIGHT	1
25	10296L	FOAMER DROP HOSE BTRACKET LEFT	1
NS	2T20-003	1/4" LINEAR LOW DENSITY POLY TUBING	AR
NS	2T20-604	3/8" LINEAR LOW DENSITY POLY TUBING	AR
NS	12015003	PVC WATER SUCTION HOSE 1"	20'



HYPRO CLEANLOAD EDUCTOR PLUMBING

11/8/07

HYPRO CLEANLOAD EDUCTOR AND MOUNTING PARTS

ITEM #	PART #	DESCRIPTION	QUANTITY
1	64020H	CLAMP HOSE 1-1/4"	2
2	1-1/4BH200	HOSE SPRAY 1-1/4 EDPM	6.5
3	M200125BRB90	MANIFOLD ELBOW 2 x 1-1/4 HB	1
4	FC200	MANIFOLD CLAMP 2" STD PORT	4
5	150G	GASKET 2" STD PORT	4
6	MV200CF	MANIFOLD VALVE STD PORT	1
7	M200TEE	MANIFOLD TEE	1
8	3374P-05T5-05	HYPRO CLEANLOAD EDUCTOR	1
9	9250	PLATE ADAPTER HYPRO CLEANLOAD	1
10	687	PIN SPRING 1/4 x 2 ZP	1
11	7981	HANDLE TEE	1
12	67	SPING CENTURY 2" FREE LENGTH	1
13	262	WASHER FLAT 3/4" ZP	1
14	7928	LINK EDUCTOR UPPER	1
15	153	BOLT HH 1/2 x 1-1/2 GR5 ZP	8
16	11632	BACK PLATE MOUNT EDUCTOR	1
17	231	NUT HH 1/2" NYLOCK ZP	8
18	155	BOLT HH 1/2 x 1-1/2 GR5 ZP	1
19	223	NUT HH 1/2" JAM ZP	1
20	152	BOLT HH 1/2 x 1 GR5 ZP	1
21	7925	LINK EDUCATOR LOWER	1
22	128	BOLT HH 3/8 x 1 GR5 ZP	4
23	769	NUT HH 3/8" WHIZLOCK ZP	4
24	M200150BRB90	MANIFOLD ELBOW 2 x 1-1/2 HB	2
25	64024H	CLAMP HOSE 1-1/2"	2
26	1-1/2 BH200	HOSE SPRAY 1-1/2 EDPM	5
27	CP46066-PP	MANIFOLD ADAPTER 2 x 1-1/2 FPT	1
28	CPC45512-PP	MANIFOLD ADAPTER 2 x 1-1/4 FPT	1
29	100G	GASKET 1"	1
30	FC100	MANIFOLD CLAMP 1"	1
31	M100125BRB90	MANIFOLD ELBOW 1" X 1-1/4" HB	1

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