

**PARTS MANUAL**  
**FOR**  
**HAGIE MODEL 284 HI-TRACTOR**

**HAGIE MANUFACTURING COMPANY**

BOX 273 CLARION, IOWA 50525

(515) 532-2861

COVERS MACHINE SERIAL NUMBERS: 083579001 thru 083579100  
083589001 thru 083589100  
083779001 thru 083779100

08-97 493168  
02-08

SPRAYER IDENTIFICATION

Each Hagie sprayer is identified by means of a frame serial number. This serial number denotes the model, the year in which it was built, and the number of the sprayer. As for further identification, the engine has a serial number and the planetary hubs have identification plates that describe the type of mount and gear ratio. To insure prompt, efficient service when ordering parts or requesting service repairs from Hagie Manufacturing Company, record the serial and identification numbers in the space provided below.

NOTE: Reference to left hand and right hand used throughout this manual refers to the position when seated in the operator's seat facing forward.

SPRAYER SERIAL NUMBER

\_\_\_\_\_

ENGINE SERIAL NUMBER

\_\_\_\_\_

PLANETARY HUB IDENTIFICATION NUMBERS

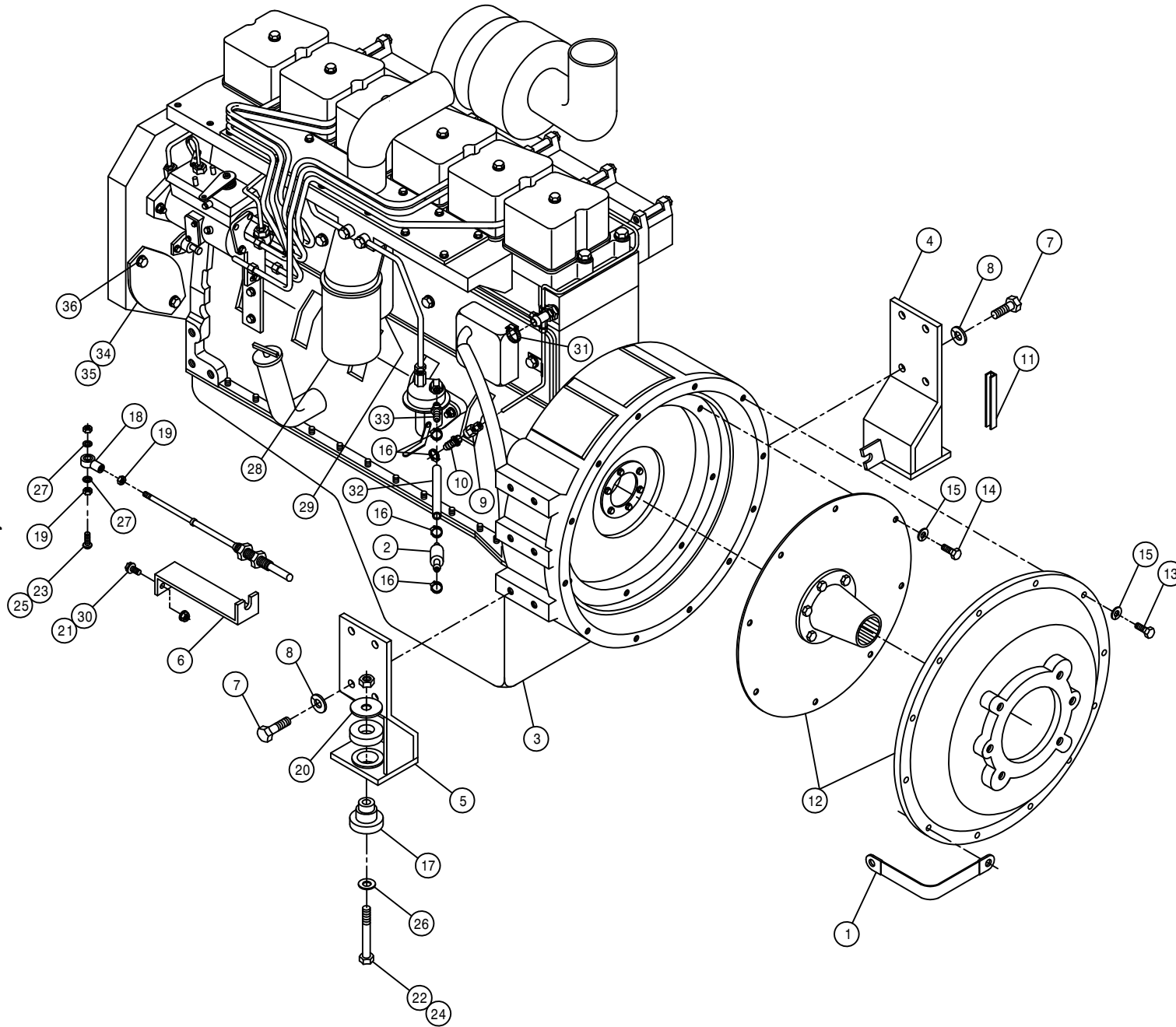
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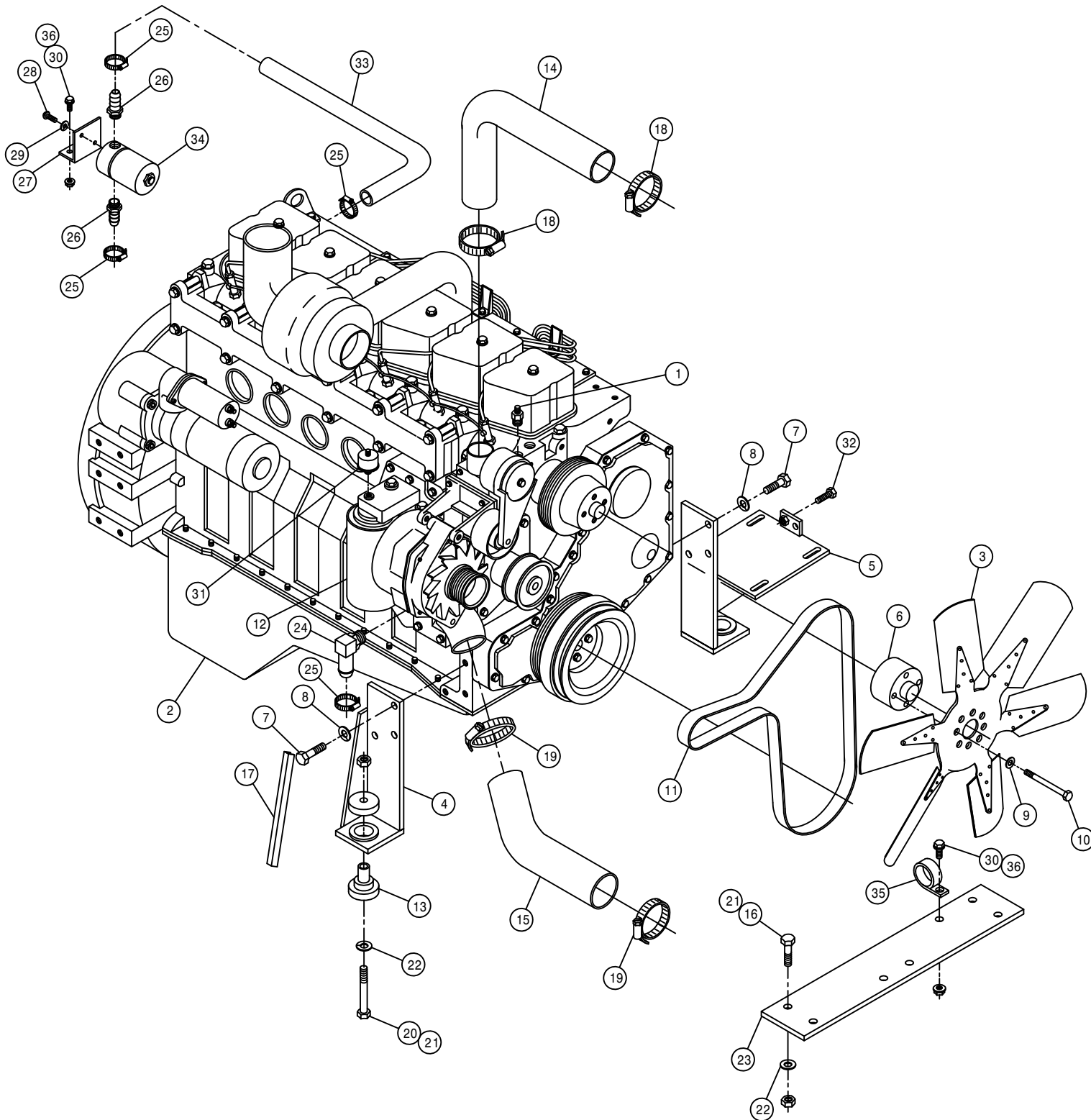
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ENGINE ASSEMBLY

DET. QTY PART NO. DESCRIPTION



1	1	290107	ENG TO GROUND STRAP 8 IN
2	1	316281	FUEL STRAINER, DIESEL
3	1	316286	CUMMINS ENGINE 6BT5.9-A
4	1	316252	RH REAR ENG MT WLD, CUMM 94
5	1	316253	LH REAR ENG MT WLD, CUMM 94
6	1	316305	THROTTLE CABLE MT,6CYL CUMM97
7	8	473775	12MM-1.75 X 30MM HEX BOLT
8	8	473784	12MM LOCK WASHER
9	1	618611	1/8FNPT-3/16 TUBE ADPTR,BRASS
10	1	711001	1/8 NPT X 5/16 HOSE BARB
11	1	193012	QUICKEDGE TRIM .135 TO .250
12	1	800495	SUND DRIVE ASSY,2.83PILOT 14T
13	12	473792	10MM-1.50 X 30MM HEX BOLT
14	8	473793	10MM-1.50 X 20MM HEX BOLT
15	20	473798	10MM LOCK WASHER
16	4	520120	HOSE CLAMP NO 4 PLATED MINI
17	2	311054	RUBBER MOUNT SET, CB-2202-4
18	1	473921	BALL JOINT NO 10-32 THD
19	2	910027	10-32 HEX NUT
20	2	311055	REBOUND WASHER FOR 311054
21	2	470121	1/4UNC HEX FLANGE LOCK NUT
22	2	900271	1/2UNC X 3 1/4 HEX BOLT
23	1	903893	10-32 X 1" SLT RD HD MACH SCR
24	2	914008	1/2UNC HEX STOVER NUT
25	1	914027	10-32 HEX STOVER NUT
26	2	920004	1/2 SAE FLAT WASHER
27	2	920510	#10 LOCK WASHER
28	1	316208	FUEL FILTER, PRIMARY CUMM 92
29	1	316209	FUEL FILTER, SECONDARY CUMM92
30	2	470118	1/4UNC X 3/4 FLANGE HEX BOLT
31	1	520055	HOSE CLAMP NO 12 PLATED
32	1	601393	HOSE, 3/8 X 3IN FUEL LINE
33	1	714220	1/4 NPT X 3/8 HOSE BARB
34	1	316306	COVER PLATE, CUMM 6BT5.9-A
35	1	316307	GASKET,COVER PLT,CUMM 6BT5.9A
36	2	316308	COVER PLT BOLT,CUMM 6BT5.9-A



ENGINE ASSEMBLY

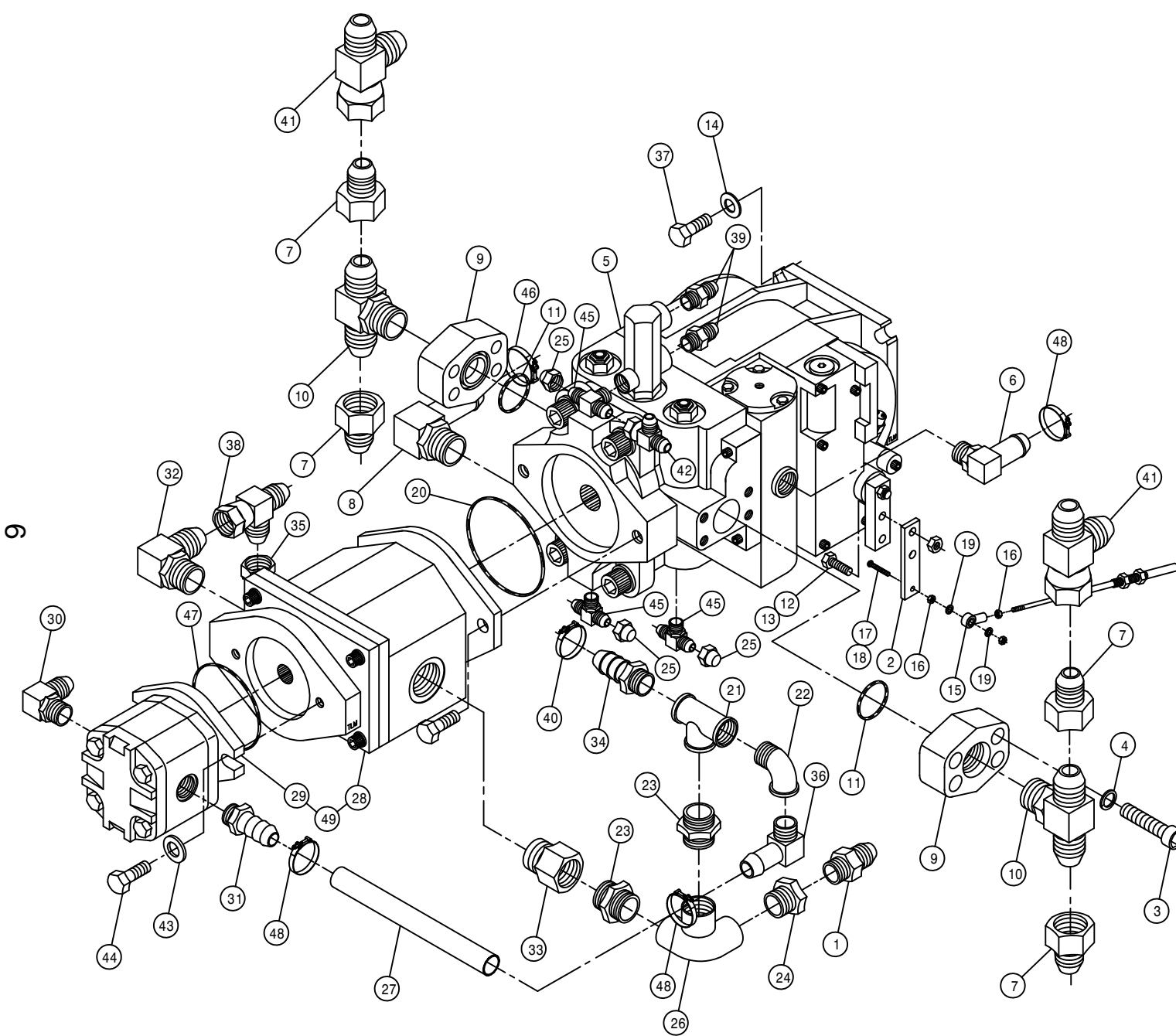
DET.	QTY	PART NO.	DESCRIPTION
1	1	314836	TEMP SENDR 280D 1/2NPT FOR GA
2	1	316286	CUMMINS ENGINE 6BT5.9-A
3	1	316180	22 IN DIA 6 BLADE 2.25 PITCH
4	1	316250	RH FRT ENG MT WLD, CUMM 94
5	1	316251	LH FRT ENG MT WLD, CUMM 94
6	1	316199	22IN FAN SPACER CUMM 92
7	6	473775	12MM-1.75 X 30MM HEX BOLT
8	6	473784	12MM LOCK WASHER
9	4	473804	8MM LOCK WASHER
10	4	473822	8MM-1.25 X 70MM HEX BOLT
11	1	316206	POLY V BELT CUMMINS DIESEL 92
12	1	316207	LUBE FILTER CUMMINS DIESEL 92
13	2	311053	RUBBER MOUNT SET,SSB26-1000-1
14	1	314832	RADIATOR HOSE 1.75 X 19
15	1	314886	RADIATOR HOSE 2 1/4 20717
16	4	900265	1/2UNC X 1 1/2 HEX BOLT
17	1	193012	QUICKEDGE TRIM .135 TO .250
18	2	520067	HOSE CLAMP NO 28 PLATED
19	2	520099	HOSE CLAMP NO 40 PLATED
20	2	900271	1/2UNC X 3 1/4 HEX BOLT
21	6	914008	1/2UNC HEX STOVER NUT
22	6	920004	1/2 SAE FLAT WASHER
23	1	341968	TIE PLT 250/280 CUMM 92
24	1	618573	5/8 HOSE BARB-90-1/2MNPT
25	4	520055	HOSE CLAMP NO 12 PLATED
26	2	711013	1/4 NPT X 1/2 HOSE BARB, BRS
27	1	657361	HEATER SOL VLV MT 94
28	2	903710	10-32X1/2 PHIL PANHD MACH SCR
29	2	920510	#10 LOCK WASHER
30	3	470121	1/4UNC HEX FLANGE LOCK NUT
31	1	291610	OIL PRESS SENDER, 1/8NPT
32	1	900130	3/8UNC X 1 1/4 HEX BOLT
33	1	601349	HOSE, 5/8 X 15" HEATER
34	1	657370	HEATER SOLENOID VLV W/O HBARB
35	1	520126	CUSH HOSE CLAMP 2IN X 5/8W
36	3	470118	1/4UNC X 3/4 FLANGE HEX BOLT

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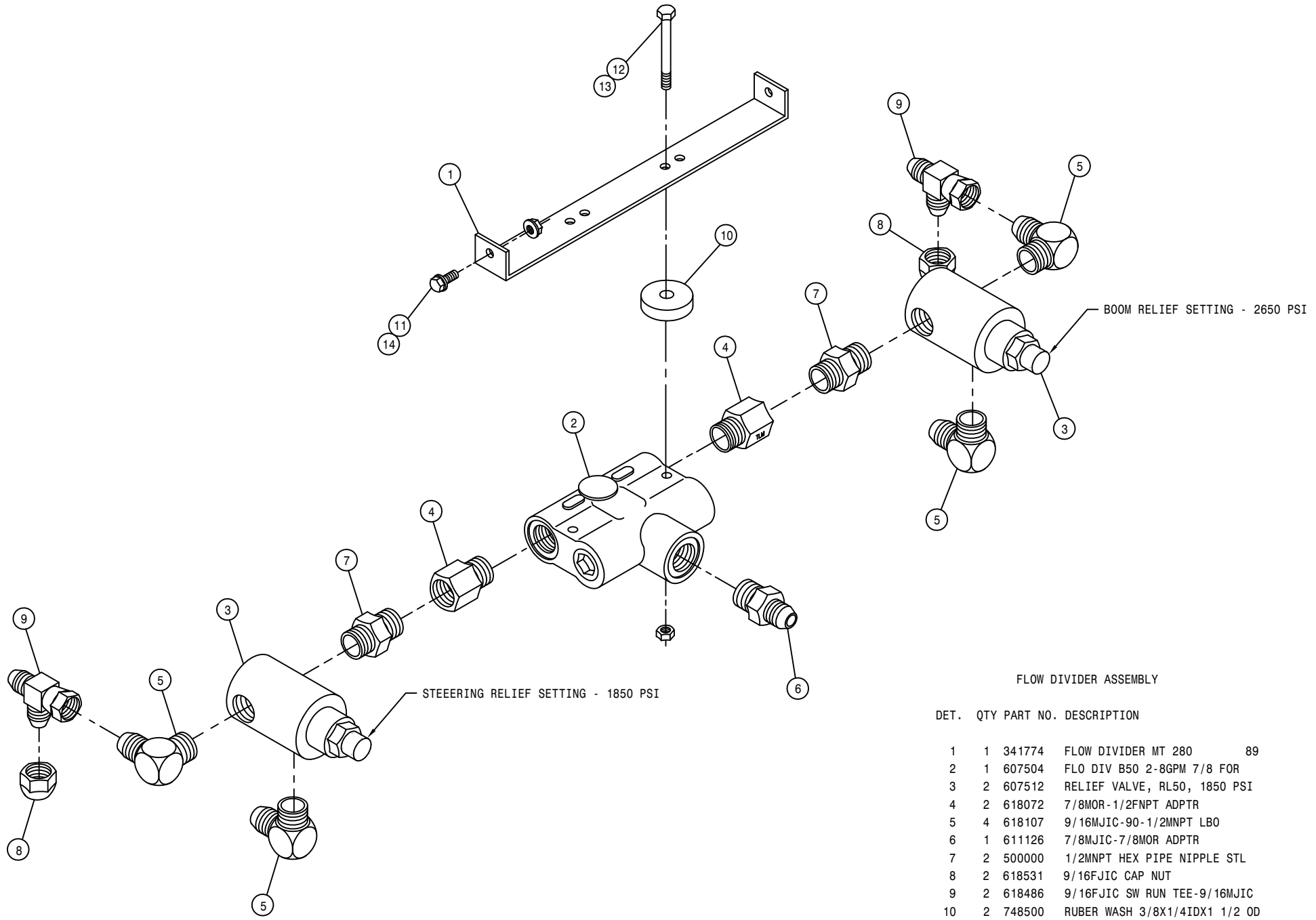
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SUNDSTRAND PUMP ASSEMBLY

DET. QTY PART NO. DESCRIPTION



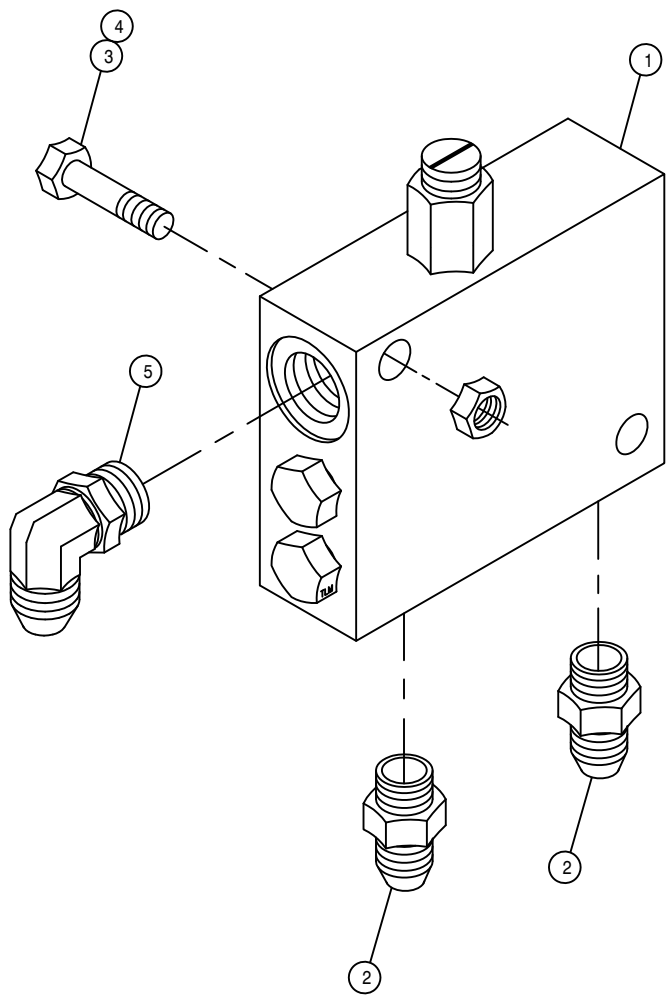
DET.	QTY	PART NO.	DESCRIPTION
1	1	610300	3/4MJIC-3/4MNPT ADPTR
2	1	316160	PUMP CONT LEVER EXT 280 CUMM
3	8	470188	7/16-14 X 1 1/2 SOCHD CAP SCR
4	8	470189	7/16 HC LOCK WASH FOR 618598
5	1	606902	SUND 100CC PUMP,B-MT W/FILT
6	1	618118	3/4 HOSE BARB-90-1 1/16MOR
7	4	618541	1 5/16FJIC-1 1/16MJIC ADPTR
8	1	618626	1 1/4 HOSE BARB-45-1 5/8MOR
9	2	618598	1 IN 4-BOLT FLG X 1 5/16FOR
10	2	618599	1 5/16MOR BRANCH TEE-1 5/16MJ
11	2	870219	BUNA ORING 1 5/16 X 1 9/16
12	2	900003	1/4UNC X 1 HEX BOLT
13	2	914000	1/4UNC HEX STOVER NUT
14	4	920004	1/2 FLAT WASHER SAE
15	1	473921	BALL JOINT NO 10-32 THD
16	2	910027	#10-32 HEX NUT
17	1	903893	10 32 X 1 SLT RD HD MACH SCR
18	1	914027	#10-32 HEX STOVER NUT
19	2	920510	LOCK WASH NO 10
20	1	606870	O-RING FOR 606865 SUND B-MT
21	1	505101	BLK PIPE TEE 1.00NPT
22	1	505200	BLK PIPE ST EL 90DEG 1.00NPT
23	2	505105	1MNPT HEX PIPE NIPPLE STL
24	1	505213	RED BUSH 1 X 3/4 BLK MAL
25	3	618531	9/16FJIC CAP NUT
26	1	505098	SIDE OUTLET EL 90DEG 1.00NPT
27	1	601383	HOSE, 3/4 X 8 1FBR-15PI
28	1	606897	SUND GEAR PUMP 1.34CI SPLINED
29	1	606891	SUND GEAR PMP .52CI SPLINED
30	1	611128	7/8MJIC-90-7/8MOR LBO
31	1	618075	3/4 HOSE BARB-1 1/16MOR
32	1	618535	7/8MJIC-90-1 1/16MOR LBO
33	1	618090	1 5/16MOR-1FNPT ADPTR
34	1	714560	1NPT X 1 HOSE BARB
35	1	618328	7/8FJIC CAP NUT
36	1	716000	3/4 HOSE BARB-90-1MNPT
37	4	900265	1/2UNC X 1 1/2 HEX BOLT
38	1	618333	7/8FJIC SW RUN TEE-7/8MJIC
39	2	618327	3/4MJIC-7/8MOR ADPTR
40	1	520138	1.00 T-BOLT HOSE CLAMP
41	2	618487	1 1/16FJ SW RUN TEE-1 1/16MJ
42	1	618486	9/16FJIC SW RUN TEE-9/16MJIC
43	2	920002	WASH FLAT 3/8 SAE
44	2	900130	3/8UNC X 1 1/4 HEX BOLT
45	3	618629	9/16MOR BRANCH TEE-9/16MJIC
46	1	520132	1.62/1.87 T-BOLT HOSE CLAMP
47	1	606924	O-RING FOR SUND A-MT
48	3	520137	.75 T-BOLT HOSE CLAMP
49	1	606810	TANDEM PUMP, 606891 & 606897



FLOW DIVIDER ASSEMBLY

DET. QTY PART NO. DESCRIPTION

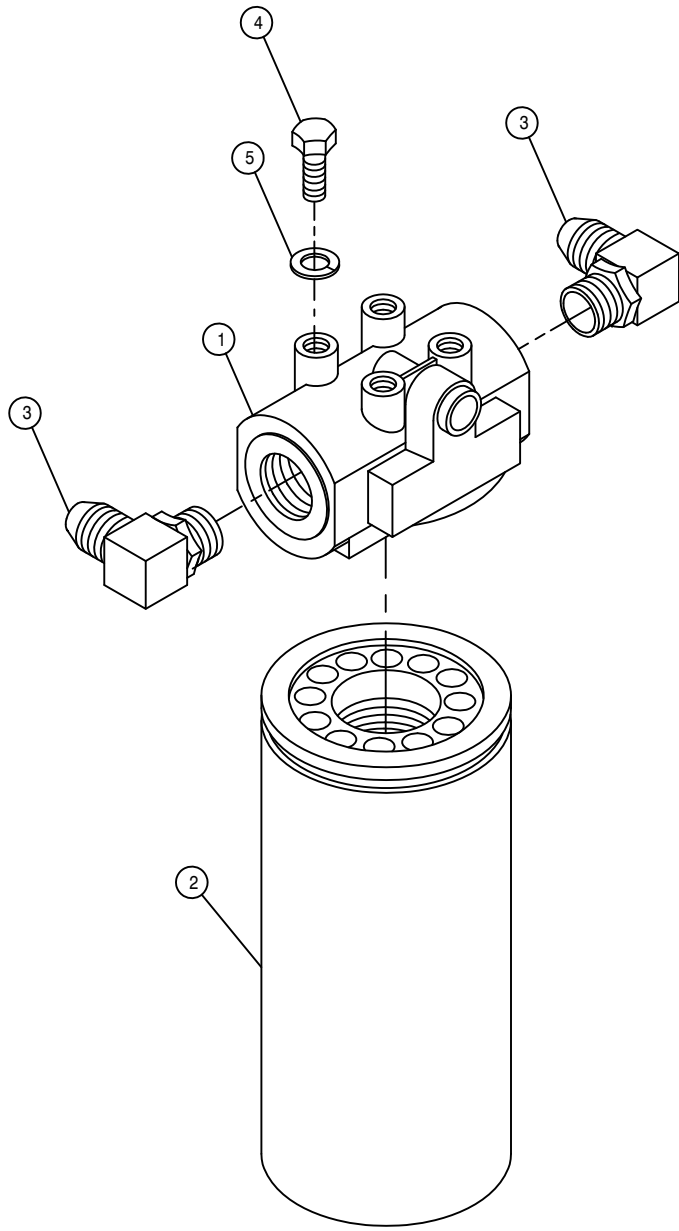
DET.	QTY	PART NO.	DESCRIPTION	
1	1	341774	FLOW DIVIDER MT 280	89
2	1	607504	FLO DIV B50 2-8GPM 7/8 FOR	
3	2	607512	RELIEF VALVE, RL50, 1850 PSI	
4	2	618072	7/8MOR-1/2FNPT ADPTR	
5	4	618107	9/16MJIC-90-1/2MNPT LBO	
6	1	611126	7/8MJIC-7/8MOR ADPTR	
7	2	500000	1/2MNPT HEX PIPE NIPPLE STL	
8	2	618531	9/16FJIC CAP NUT	
9	2	618486	9/16FJIC SW RUN TEE-9/16MJIC	
10	2	748500	RUBER WASH 3/8X1/4IDX1 1/2 OD	
11	2	470118	1/4UNC X 3/4 FLANGE HEX BOLT	
12	2	900008	1/4UNC X 2 1/2 HEX BOLT	
13	2	914000	1/4UNC HEX STOVER NUT	
14	2	470121	1/4UNC HEX FLANGE LOCK NUT	



LOOP FLUSHING VALVE ASSEMBLY

DET.	QTY	PART NO.	DESCRIPTION
1	1	610580	REMOTE FLUSHING VALVE, SUND
2	2	618126	9/16MJC-9/16MOR ADPTR
3	2	900133	3/8UNC X 2 HEX BOLT
4	2	914004	3/8UNC HEX STOVER NUT
5	1	618119	9/16MJC-90-9/16MOR LBO

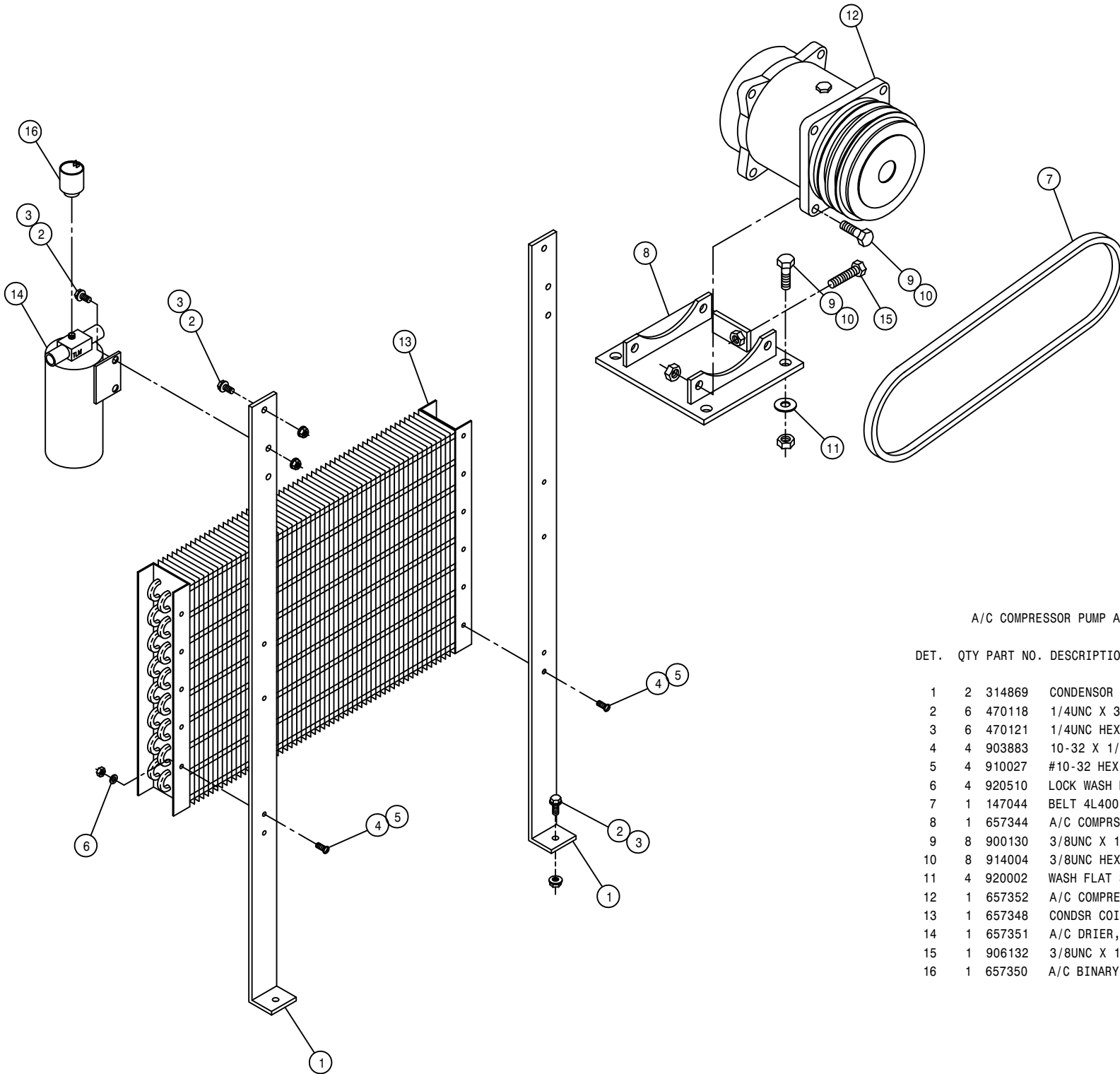




HI-PRESS FILTER ASSEMBLY

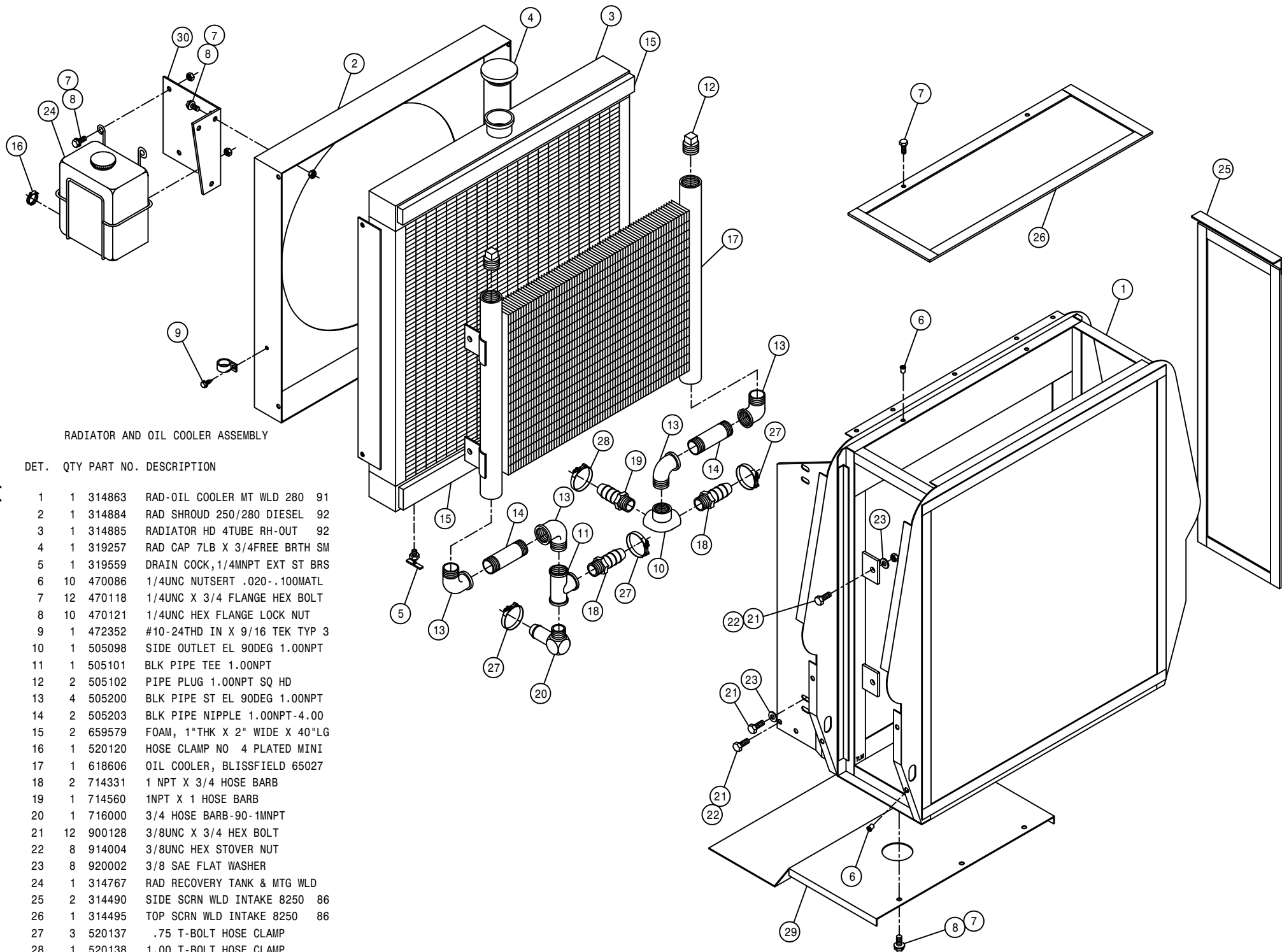
DET. QTY PART NO. DESCRIPTION

1	1	605608	HYD FILTER HEAD, DONALDSON
2	1	605609	HYD FILTER ELEMENT, DONALDSON
3	2	618474	3/4MJIC-90-1 1/16MOR LBO
4	4	900128	3/8UNC X 3/4 HEX BOLT
5	4	920502	3/8 LOCK WASHER



A/C COMPRESSOR PUMP ASSEMBLY

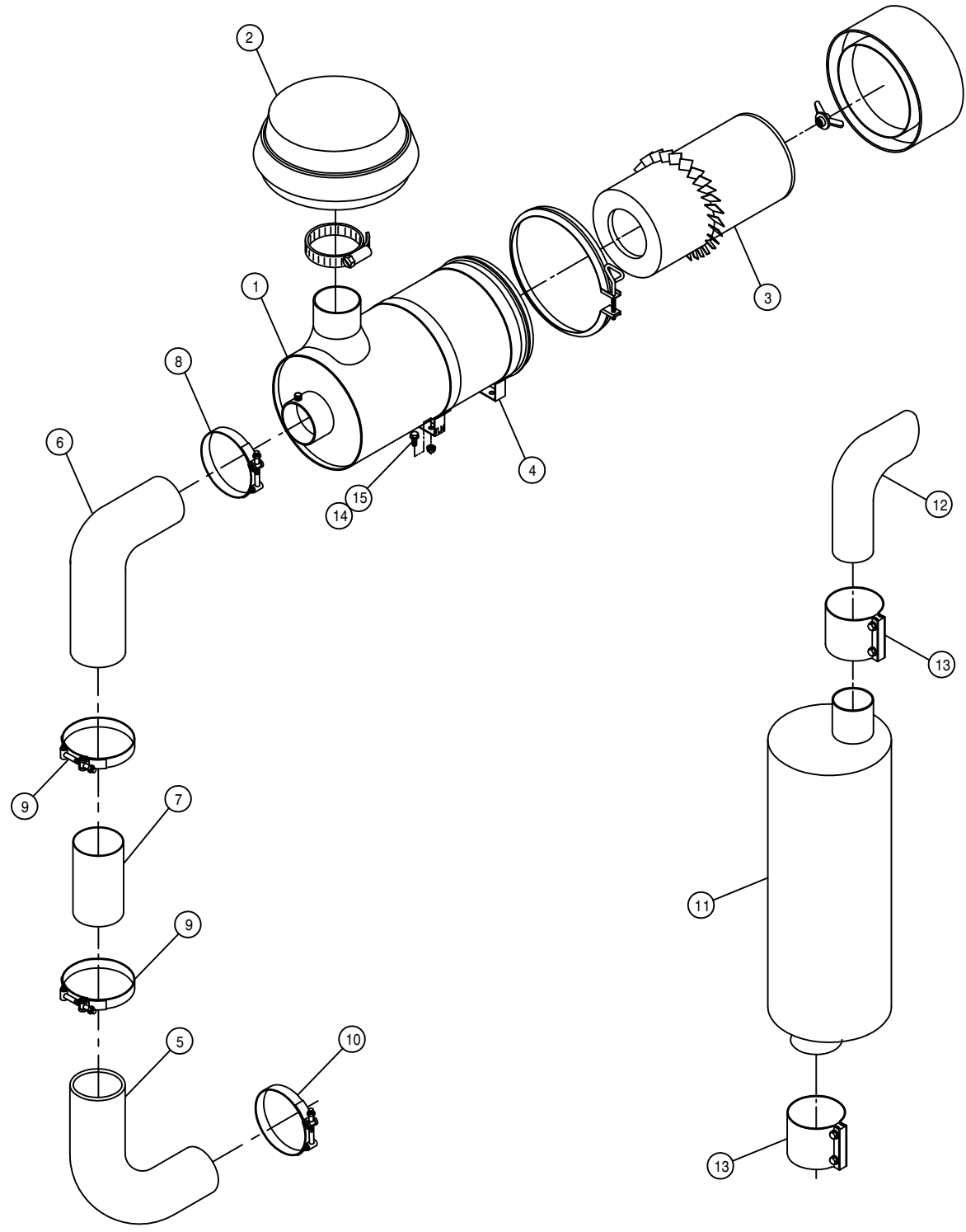
DET.	QTY	PART NO.	DESCRIPTION		
	1	2	314869	CONDENSOR MTG BRKT 280	91
	2	6	470118	1/4UNC X 3/4 FLANGED HEX BOLT	
	3	6	470121	1/4UNC HEX FLANGED LOCK NUT	
	4	4	903883	10-32 X 1/2 SLTRD HD MACH SCR	
	5	4	910027	#10-32 HEX NUT	
	6	4	920510	LOCK WASH NO 10	
	7	1	147044	BELT 4L400	
	8	1	657344	A/C COMPRSR MT WLD CUMM	92
	9	8	900130	3/8UNC X 1 1/4 HEX BOLT	
	10	8	914004	3/8UNC HEX STOVER NUT	
	11	4	920002	WASH FLAT 3/8 SAE	
	12	1	657352	A/C COMPRESSOR, R134A	
	13	1	657348	CONDSR COIL FOR 657309	
	14	1	657351	A/C DRIER, O-RING TYPE	
	15	1	906132	3/8UNC X 1 3/4 HEX BOLT FULL	
	16	1	657350	A/C BINARY SWITCH	



RADIATOR AND OIL COOLER ASSEMBLY

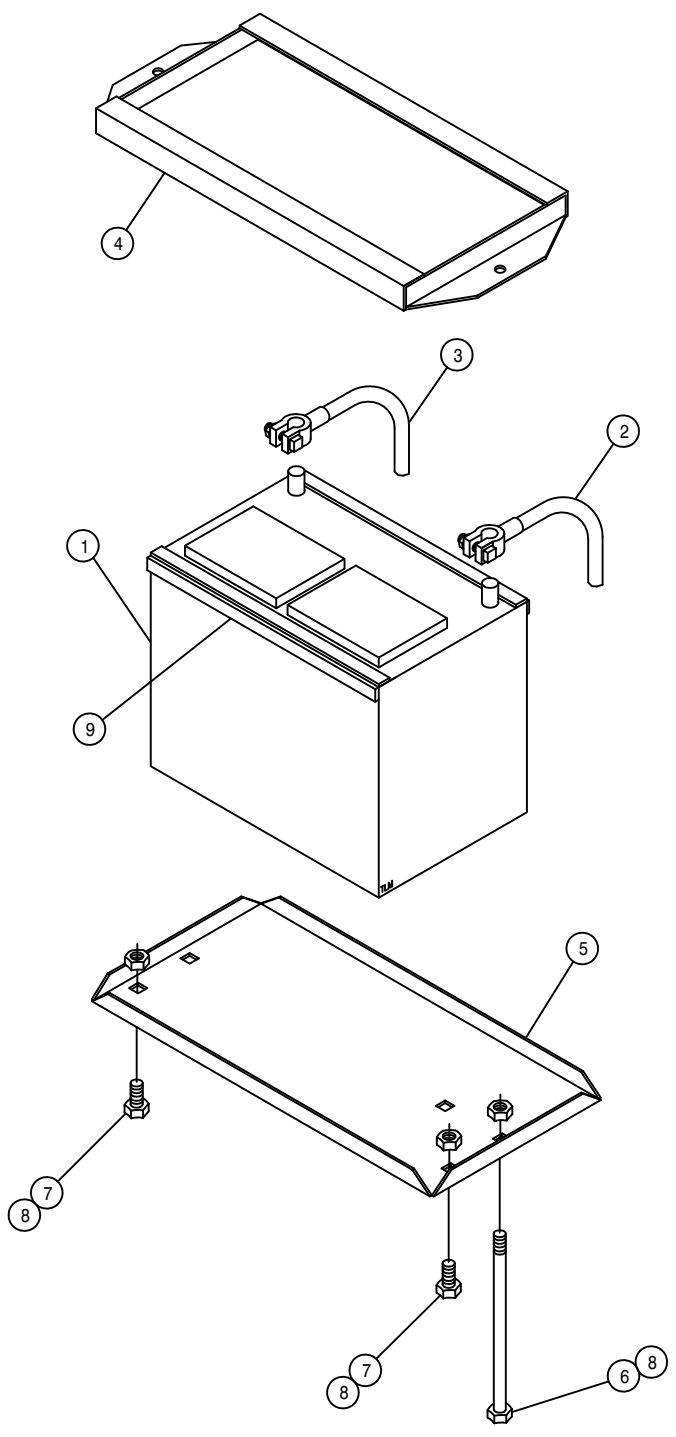
DET. QTY PART NO. DESCRIPTION

1	1	314863	RAD-OIL COOLER MT WLD 280	91
2	1	314884	RAD SHROUD 250/280 DIESEL	92
3	1	314885	RADIATOR HD 4TUBE RH-OUT	92
4	1	319257	RAD CAP 7LB X 3/4FREE BRTH SM	
5	1	319559	DRAIN COCK, 1/4MNPT EXT ST BRS	
6	10	470086	1/4UNC NUTSERT .020-.100MATL	
7	12	470118	1/4UNC X 3/4 FLANGE HEX BOLT	
8	10	470121	1/4UNC HEX FLANGE LOCK NUT	
9	1	472352	#10-24THD IN X 9/16 TEK TYP 3	
10	1	505098	SIDE OUTLET EL 90DEG 1.00NPT	
11	1	505101	BLK PIPE TEE 1.00NPT	
12	2	505102	PIPE PLUG 1.00NPT SQ HD	
13	4	505200	BLK PIPE ST EL 90DEG 1.00NPT	
14	2	505203	BLK PIPE NIPPLE 1.00NPT-4.00	
15	2	659579	FOAM, 1"THK X 2" WIDE X 40"LG	
16	1	520120	HOSE CLAMP NO 4 PLATED MINI	
17	1	618606	OIL COOLER, BLISSFIELD 65027	
18	2	714331	1 NPT X 3/4 HOSE BARB	
19	1	714560	1NPT X 1 HOSE BARB	
20	1	716000	3/4 HOSE BARB-90-1MNPT	
21	12	900128	3/8UNC X 3/4 HEX BOLT	
22	8	914004	3/8UNC HEX STOVER NUT	
23	8	920002	3/8 SAE FLAT WASHER	
24	1	314767	RAD RECOVERY TANK & MTG WLD	
25	2	314490	SIDE SCR N WLD INTAKE 8250	86
26	1	314495	TOP SCR N WLD INTAKE 8250	86
27	3	520137	.75 T-BOLT HOSE CLAMP	
28	1	520138	1.00 T-BOLT HOSE CLAMP	
29	1	314871	HEAT SHIELD 280	91
30	1	314893	RECOVERY TANK MTG BRKT 280	92



AIR CLEANER AND EXHAUST PIPE

DET.	QTY	PART NO.	DESCRIPTION
1	1	314970	AIR CLEANER, 510 CFM
2	1	314971	AIR CLEANER HOOD FOR 314970
3	1	314973	AIR CLEANER ELEMENT FOR314970
4	2	314972	AIR CLEANER MT BAND FOR314970
5	1	316296	4" -3" 90DEG REDU ELBOW,RUBBER
6	1	316297	5" -4" 90DEG REDU ELBOW,RUBBER
7	1	316298	4" AIR INTAKE TUBE, 284 97
8	1	520136	5.00 T-BOLT HOSE CLAMP
9	2	520134	4.00 T-BOLT HOSE CLAMP
10	1	520131	3.50 T-BOLT HOSE CLAMP
11	1	316299	MUFFLER, 3" DONALDSON 97
12	1	316300	3" EXHAUST STACK 97
13	2	470243	3" STRAP BAND EXHAUST CLAMP
14	4	470233	5/16UNC X 3/4 FLANGE HEX BOLT
15	4	470113	5/16UNC HEX FLANGE LOCK NUT



BATTERY BOX ASSEMBLY

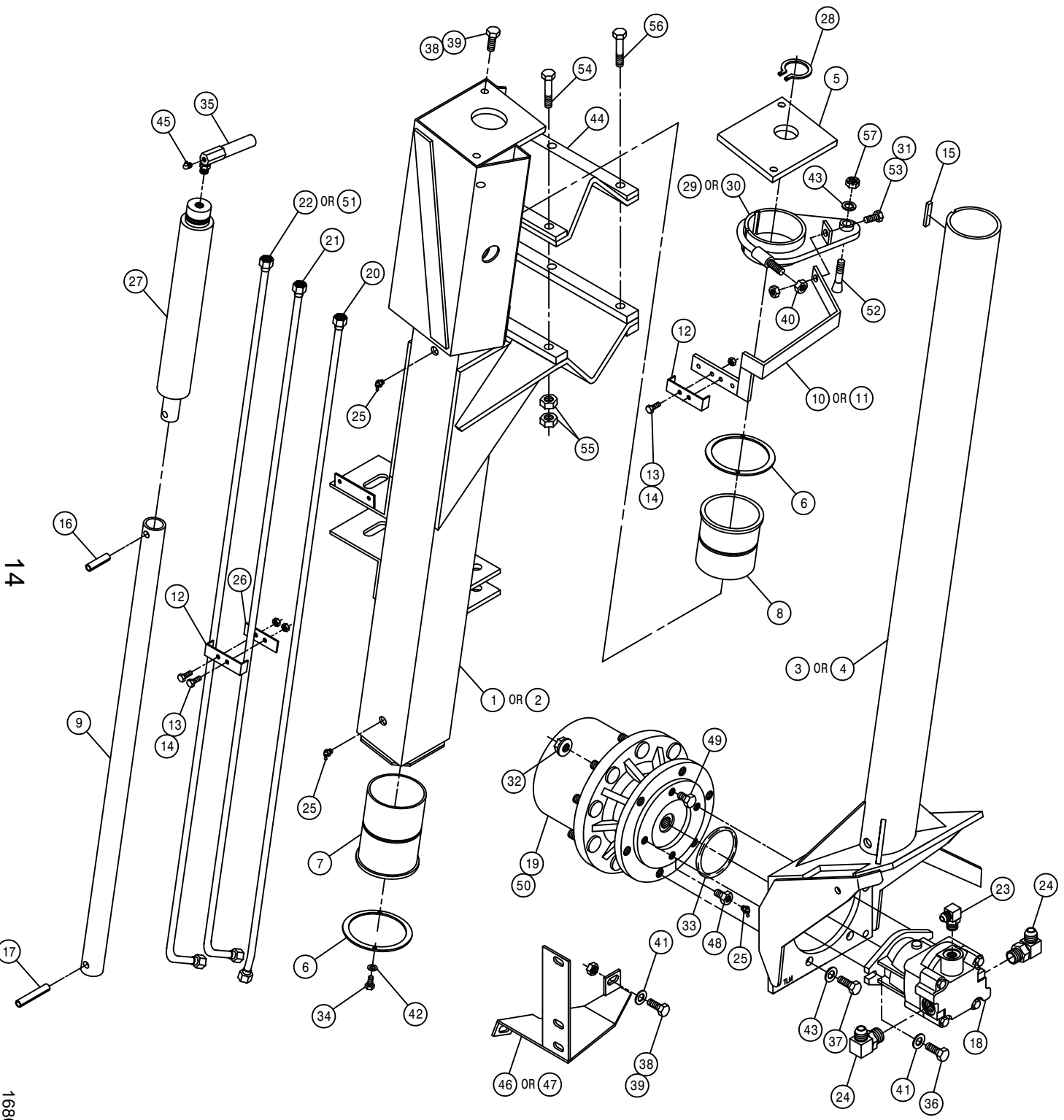
DET.	QTY	PART NO.	DESCRIPTION
1	1	291122	BATTERY, 950 C.C.A. 185 RES
2	1	291128	BATTERY CABLE 48 IN
3	1	291530	BATTERY GROUND CABLE, 23"
4	1	341322	BATTERY HOLD DOWN WLD 1981
5	1	361149	BATTERY BOX 8300-8400 1981
6	2	901150	3/8UNC X 9" CARR BOLT
7	2	900129	3/8UNC X 1" HEX BOLT
8	4	914004	3/8UNC HEX STOVER NUT
9	4	193022	STICKERTITE 1/4 X 3/4

FRONT LEG ASSEMBLY

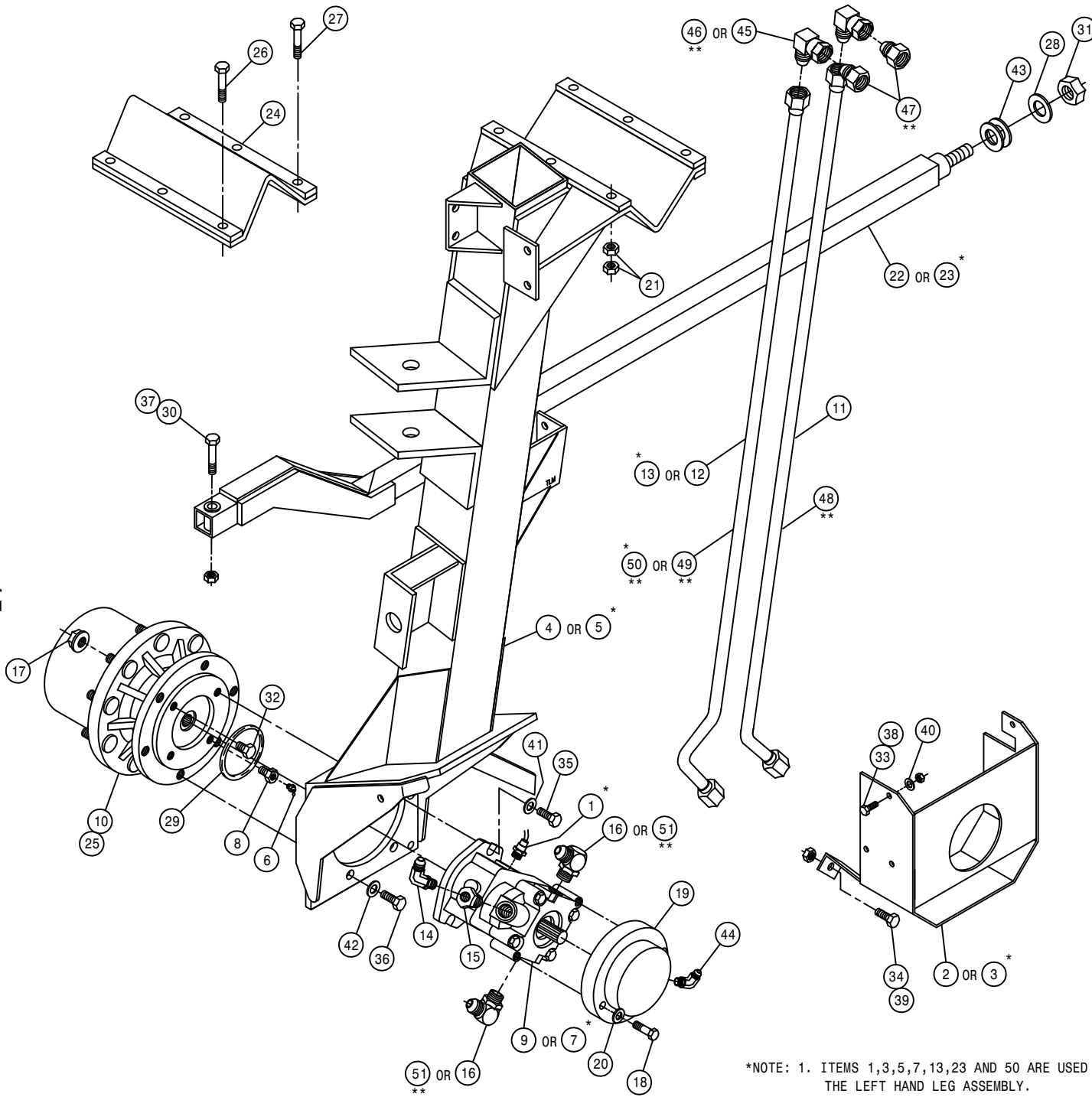
DET.	QTY	PART NO.	DESCRIPTION
1	1	358755	RH FRT OUTER LEG WLD, 284T 94
2	1	358756	LH FRT OUTER LEG WLD, 284T 94
3	1	358535	RH FRT INNER LEG WLD 280 89
4	1	358536	LH FRT INNER LEG WLD 280 89
5	1	358562	LEG CYL MTG PLATE 280 89
6	2	358563	FRT LEG BRG KPR 280 89
7	1	358564	FRT LEG LWR NYL SLEEVE 280 89
8	1	358565	FRT LEG UPR NYL SLEEVE 280 89
9	1	358566	LEG CYL SHAFT EXTENSION280 89
10	1	358707	RH FRT LEG TUBE BRKT WLD280TA
11	1	358708	LH FRT LEG TUBE BRKT WLD280TA
12	2	358739	FRT LEG HYD TUBE CLMP, 284 94
13	4	900004	1/4UNC X 1 1/4 HEX BOLT
14	4	470121	1/4UNC HEX FLANGE LOCK NUT
15	1	470185	KEY .25 X .375 X 2.00 LG
16	1	473903	SPIRAL PIN 1/2 X 2 640
17	1	473904	SPIRAL PIN 1/2 X 3 640
18	1	610571	SUND M35-3002 WHL MTR
19	1	610568	TORQ HUB 13 TO 1, B-MT W2B2FZ
20	1	615655	FRT LEG INNER HYD TUBE ASY284
21	1	615656	FRT LEG CNTR HYD TUBE ASSY284
22	1	615658	LH FRTLEG OTR HYDTUBE ASY284
23	1	618183	3/4MJIC-90-7/8MOR LBO
24	2	618535	7/8MJIC-90-1 1/16MOR LBO
25	3	471023	GREASE ZERK 1/4-28 X 45
26	1	358740	FRT LEG HYD TUBE KPR, 284 94
27	1	620570	HYD CYL LEG LEVEL 2.00 X 12
28	1	629515	SNAP RING 1 3/4 EXTRN HDUTY
29	1	749290	RH STRG ARM WLD,280 TREAD ADJ
30	1	749291	LH STRG ARM WLD,280 TREAD ADJ
31	1	914004	3/8UNC HEX STOVER NUT
32	9	470140	5/8UNF HEX SMTH FLANGE NUT PL
33	1	870045	O-RING 4 1/8 OD X 4 ID
34	4	900000	1/4UNC X 1/2 HEX BOLT
35	1	615614	FRT LEG CYL JUMPER HOSE280 89
36	2	900266	1/2UNC X 1 3/4 HEX BOLT
37	6	900333	5/8UNC X 1 1/2 HEX BOLT
38	5	914008	1/2UNC HEX STOVER NUT
39	5	900265	1/2UNC X 1 1/2 HEX BOLT
40	1	914010	5/8UNC HEX STOVER NUT
41	5	920004	1/2 SAE FLAT WASHER
42	4	920500	1/4 LOCK WASHER
43	7	920505	5/8 LOCK WASHER
44	1	358759	LEG MT V-PLT WLD, 284T 94
45	1	471027	GREASE ZERK 1/8NPT 90DEG LP
46	1	662157	RH FRT MTG WLD FOR CROP GUIDE
47	1	662156	LH FRT MTG WLD FOR CROP GUIDE
48	1	610556	1/2UNC X 1/2 ZERK BOLT T-HUB
49	1	900260	1/2UNC X 1/2 H BOLT GR2 UNPLT
50	1	610552	SEAL BOOT FOR W1BFNZ, W2B2FZ
51	1	615657	RH FRTLEG OTR HYDTUBE ASY284
52	1	749293	STRG ARM BOLT, TAPERED
53	1	900129	3/8UNC X 1" HEX BOLT
54	3	900836	5/8UNF X 3 1/4 HEX BOLT GR8
55	12	914811	5/8UNF HEX NUT GR8
56	3	900837	5/8UNF X 3 1/2 HEX BOLT GR8
57	1	822040	5/8UNF SLOTTED HEX NUT

14

168014



REAR LEG ASSEMBLY

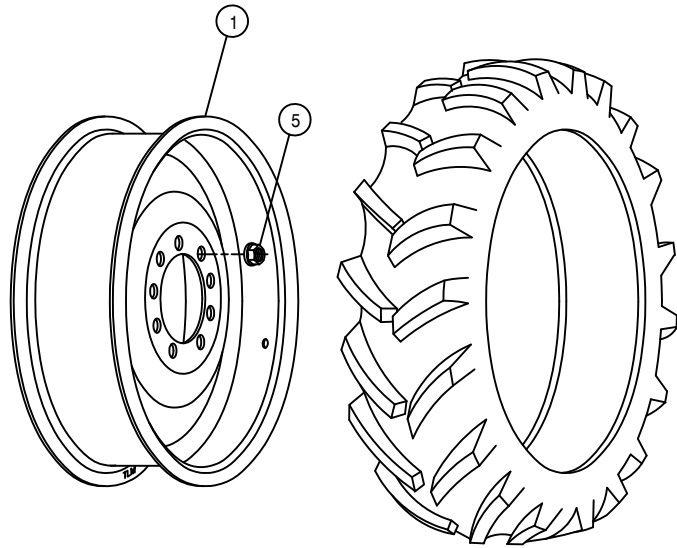


DET.	QTY	PART NO.	DESCRIPTION
1	1	610625	SENSOR FOR SUND MOTOR 610621
2	1	358823	RH REAR WHL MTR SHLD WLD 97
3	1	358824	LH REAR WHL MTR SHLD WLD 97
4	1	358827	RH REAR LEG WLD, 284 97
5	1	358828	LH REAR LEG WLD, 284 97
6	1	471023	GREASE ZERK 1/4-28 X 45
7	1	610621	SUND HYD MOTOR
8	1	610556	1/2UNC X 1/2 ZERK BOLT T-HUB
9	1	610557	SUND M35-3102 WHL MTR W/SHFT
10	1	610565	TORQ HUB 28 TO 1, B-MT W2B2FZ
11	1	614680	REAR LEG HYD TUBE ASSY 280
12	1	614681	RH REAR LEG HYD TUBE ASSY 280
13	1	614682	LH REAR LEG HYD TUBE ASSY 280
14	1	618119	9/16MJIC-90-9/16MOR LBO
15	1	618172	7/8MOR-9/16FOR ADPTR
16	2	618248	1 1/16MJIC-90-1 1/16MOR LBO
17	9	470140	5/8UNF HEX SMTH FLANGE NUT PL
18	2	900268	1/2UNC X 2 1/2 HEX BOLT
19	1	828092	MICRO HYD BRAKE
20	2	920504	1/2 LOCK WASHER
21	12	914811	5/8UNF HEX NUT GR8
22	1	358670	RH LEG BRACE WLD 280 92
23	1	358671	LH LEG BRACE WLD 280 92
24	1	358759	LEG MT V-PLT WLD, 284T 94
25	1	610552	SEAL BOOT FOR W1BFNZ, W2B2FZ
26	3	900836	5/8UNF X 3 1/4 HEX BOLT GR8
27	3	900837	5/8UNF X 3 1/2 HEX BOLT GR8
28	1	920508	1" LOCK WASHER
29	1	870045	O-RING 4 1/8 OD X 4 ID
30	1	900410	3/4UNC X 4" HEX BOLT
31	1	910017	1" UNC HEX NUT
32	1	900260	1/2UNC X 1/2 H BOLT GR2 UNPLT
33	2	900130	3/8UNC X 1 1/4 HEX BOLT
34	2	900265	1/2UNC X 1 1/2 HEX BOLT
35	2	900266	1/2UNC X 1 3/4 HEX BOLT
36	6	900333	5/8UNC X 1 1/2 HEX BOLT
37	1	914012	3/4UNC HEX STOVER NUT
38	2	914004	3/8UNC HEX STOVER NUT
39	2	914008	1/2UNC HEX STOVER NUT
40	2	920002	3/8 SAE FLAT WASHER
41	2	920004	1/2 SAE FLAT WASHER
42	6	920505	5/8 LOCK WASHER
43	2	920008	1" SAE FLAT WASHER
44	1	618114	9/16MJIC-90-7/16MOR LBO
45	2	618191	1 1/16MJ-90-1 1/16FJ SWIV LBO
46	2	618640	1 5/16MJ-90-1 5/16FJ SWIV LBO
47	2	618641	1 1/16FJIC-1 5/16MJIC ADPTR
48	1	615705	REAR LEG HYD TUBE ASSY 284 97
49	1	615706	RH REAR LEG HYDTUBE ASSY28497
50	1	615707	LH REAR LEG HYDTUBE ASSY28497
51	2	618576	1 5/16MJIC-90-1 1/16MOR LBO

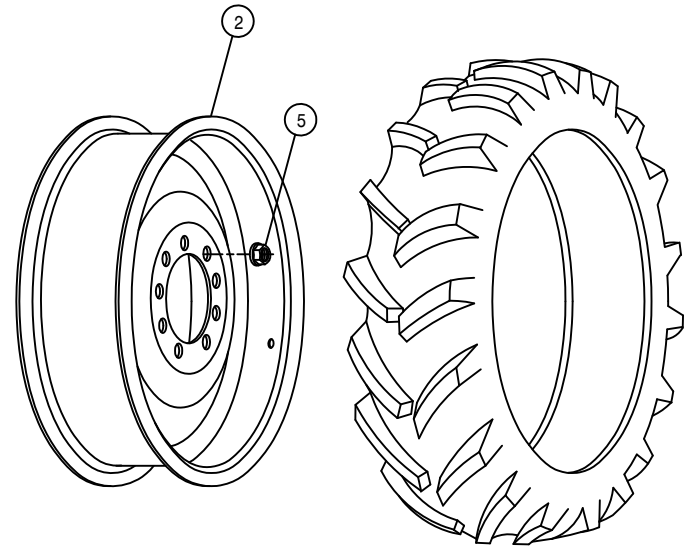
\*NOTE: 1. ITEMS 1,3,5,7,13,23 AND 50 ARE USED IN THE LEFT HAND LEG ASSEMBLY.

2. SERIAL NO. 083579001 THRU 083579090 USES DETAILS 11,12,13,16 AND 45.

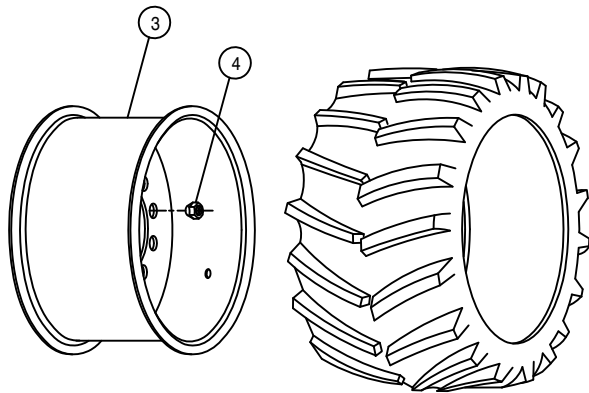
\*\* 3. SERIAL NO. 083579091 THRU 083579200 USES DETAILS 46,47,48,49,50 AND 51.



13.6-28 RADIAL TIRE



12.4-28 BIAS TIRE



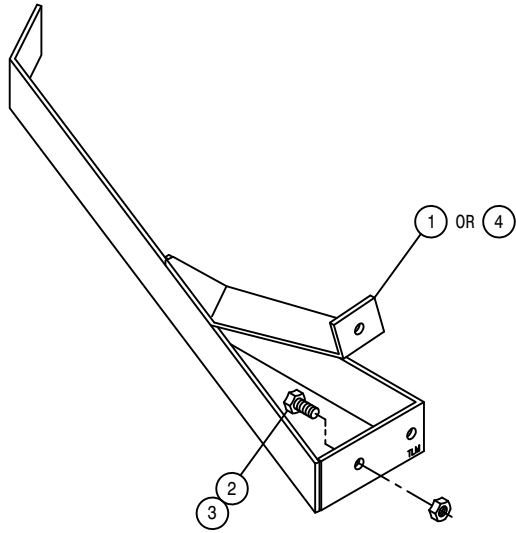
42/25.00-20 FLOTATION TIRE

TIRE AND RIM ASSEMBLIES

DET. QTY PART NO. DESCRIPTION

1	1	821037	RIM WLD, W12-28, W2B, 284 97
2	1	821038	RIM WLD, W10-28, W2B, 284 97
3	1	821031	RIM WLD, 20.5 X 20 284 W2B 94
4	9	824053	5/8UNF 60 DEG WHL NUT
5	18	470140	5/8UNF HEX SMTH FLANGE NUT PL

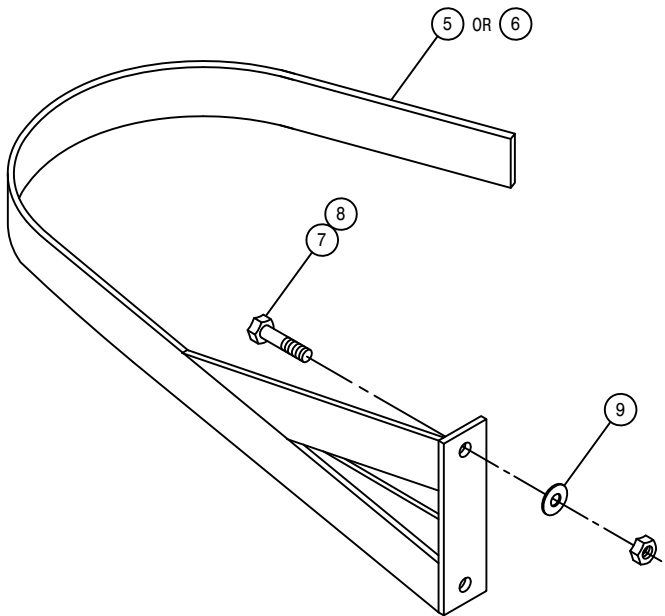




CROP GUIDES

DET. QTY PART NO. DESCRIPTION

1	1	662217	RH REAR STALK GUIDE WLD280	89
2	2	900129	3/8UNC X 1 HEX BOLT	
3	2	914004	3/8UNC HEX STOVER NUT	
4	1	662218	LH REAR STALK GUIDE WLD280	89
5	1	662221	RH STALK GUIDE WLD 284	94
6	1	662222	LH STALK GUIDE WLD 284	94
7	2	900264	1/2UNC X 1 1/4 HEX BOLT	
8	2	914008	1/2UNC HEX STOVER NUT	
9	2	920004	1/2 FLAT WASHER SAE	

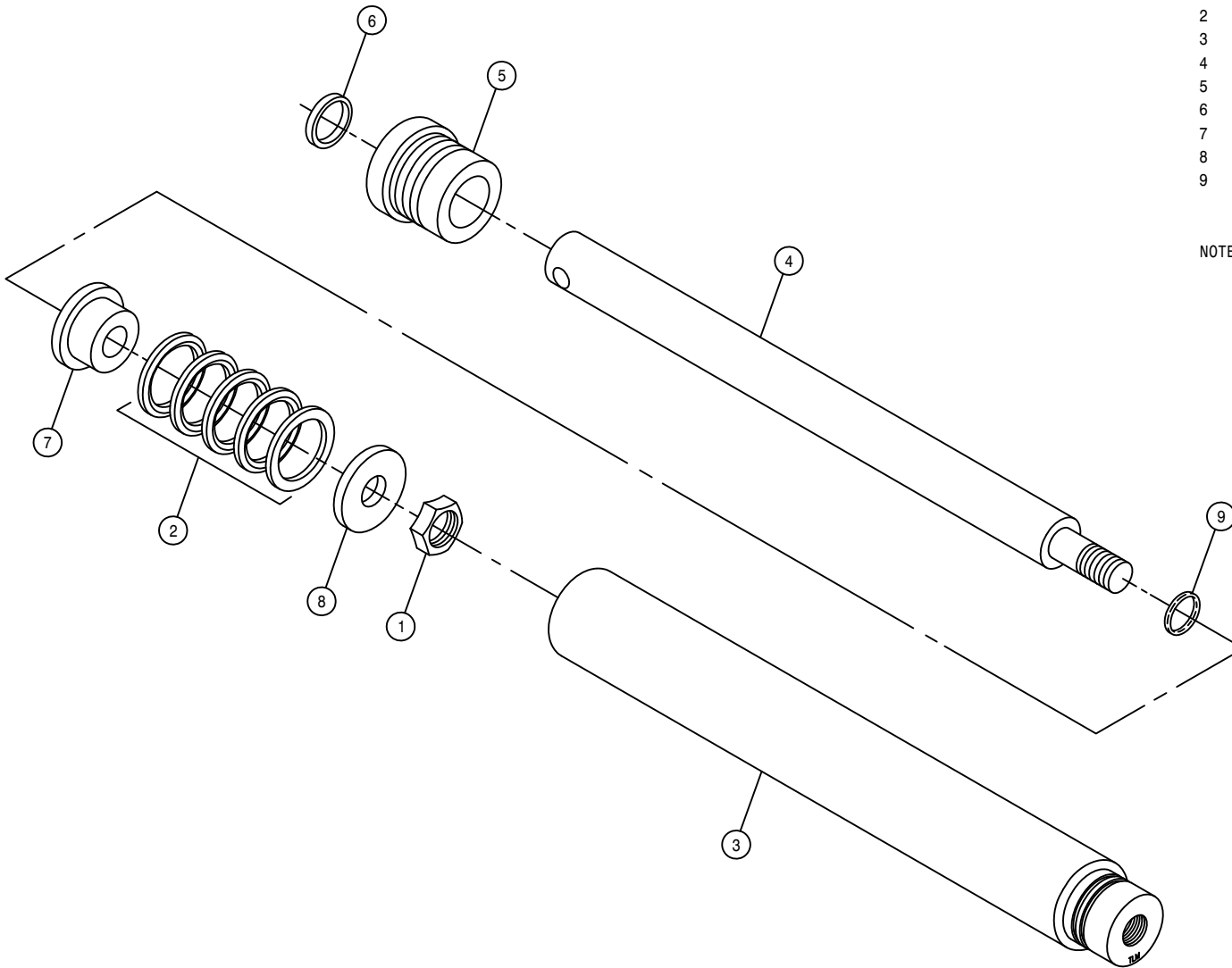


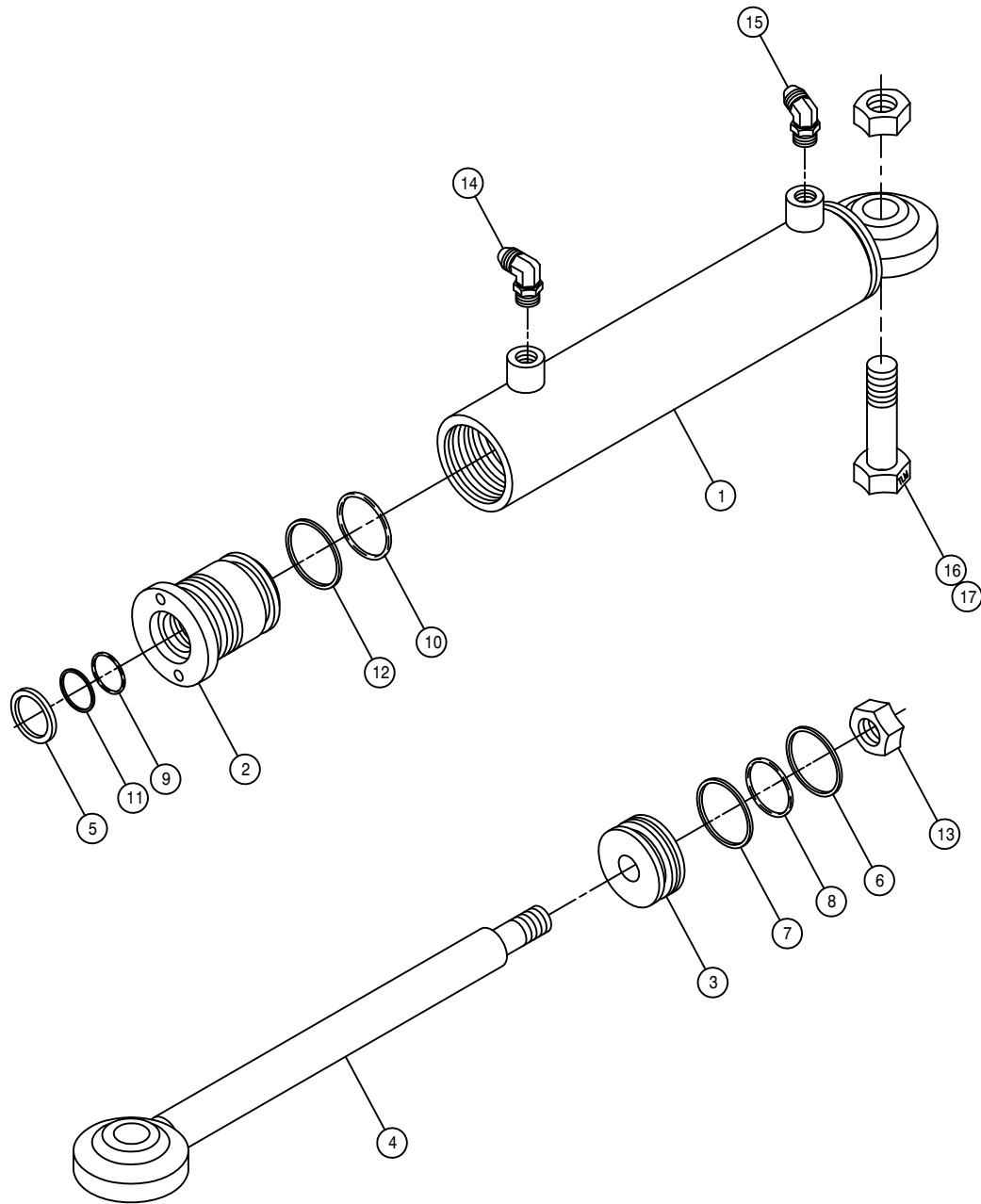
FRONT LEG CYLINDER ASSEMBLY

DET. QTY PART NO. DESCRIPTION

1	1	472297	3/4UNF HEX STOVER NUT THIN
2	1	620321	VEE PACK 1 1/2 X 2
3	1	620571	TUBE WLD
4	1	620573	SHAFT 1 1/4 X 17 3/8
5	1	620574	BRG HEAD 2 X 1 1/4
6	1	629002	WIPER 1 1/4 X 1 1/2 X 1/8
7	1	620578	PISTON 2 X 3/4 VPX
8	1	620579	RETAINER 2 X 3/4 X 1/4
9	1	870018	NEO ORING 3/4 X 7/8

NOTE: 620570 - CYLINDER ASSEMBLY  
620575 - SEAL KIT





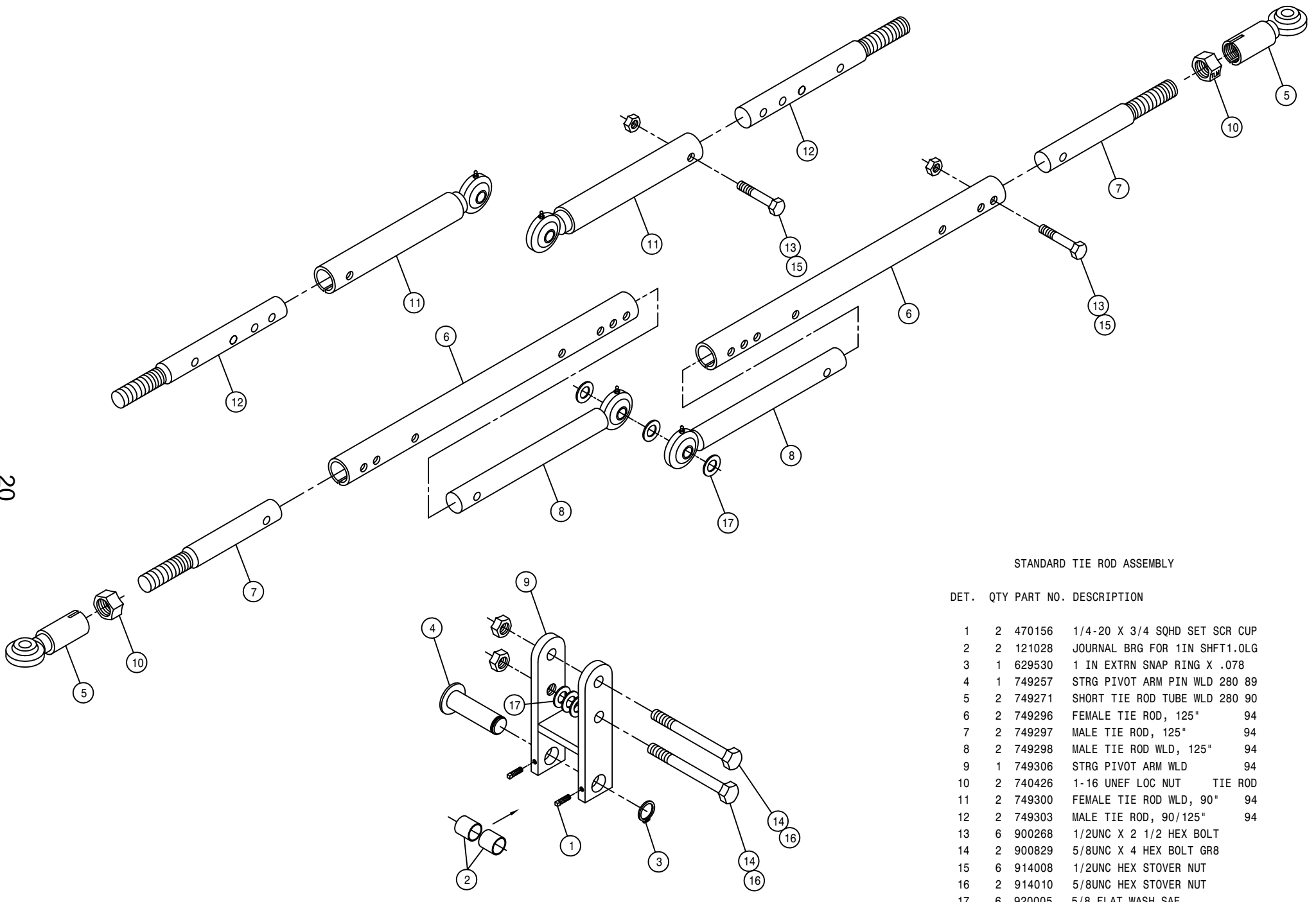
STEERING CYLINDER ASSEMBLY

DET. QTY PART NO. DESCRIPTION

1	1	620089	STRG CYL TUBE WLD 1.5 X 6. 85
2	1	620109	GLAND HYD CYL 1.5 X .75 1985
3	1	620129	PISTON HYD CYL 1.5 X .5 1985
4	1	620148	STRG CYL SHAFT WLD
5	1	629028	WIPER, 10D X 3/4ID X 1/8
6	1	629616	SEAL, 1704-24 HT20550R POLYHON
7	1	629618	WEAR RING, 1.5" HYD CYL
8	1	870025	BUNA ORING 1 3/16 X 1 5/16
9	1	870210	BUNA ORING 3/4 X 1
10	1	870218	BUNA ORING 1 1/4 X 1 1/2
11	1	890210	BACKUP WASH 3/4 X1 HT2022
12	1	890218	BACKUP WASH1 1/4X1 1/2 HT2022
13	1	914009	1/2UNF HEX STOVER NUT
14	1	611122	9/16MJIC-90-1/4MNPT LBO
15	1	618338	9/16MJIC-45-1/4MNPT LBO
16	1	900336	5/8UNC X 2 1/2 HEX BOLT
17	1	914010	5/8UNC HEX STOVER NUT

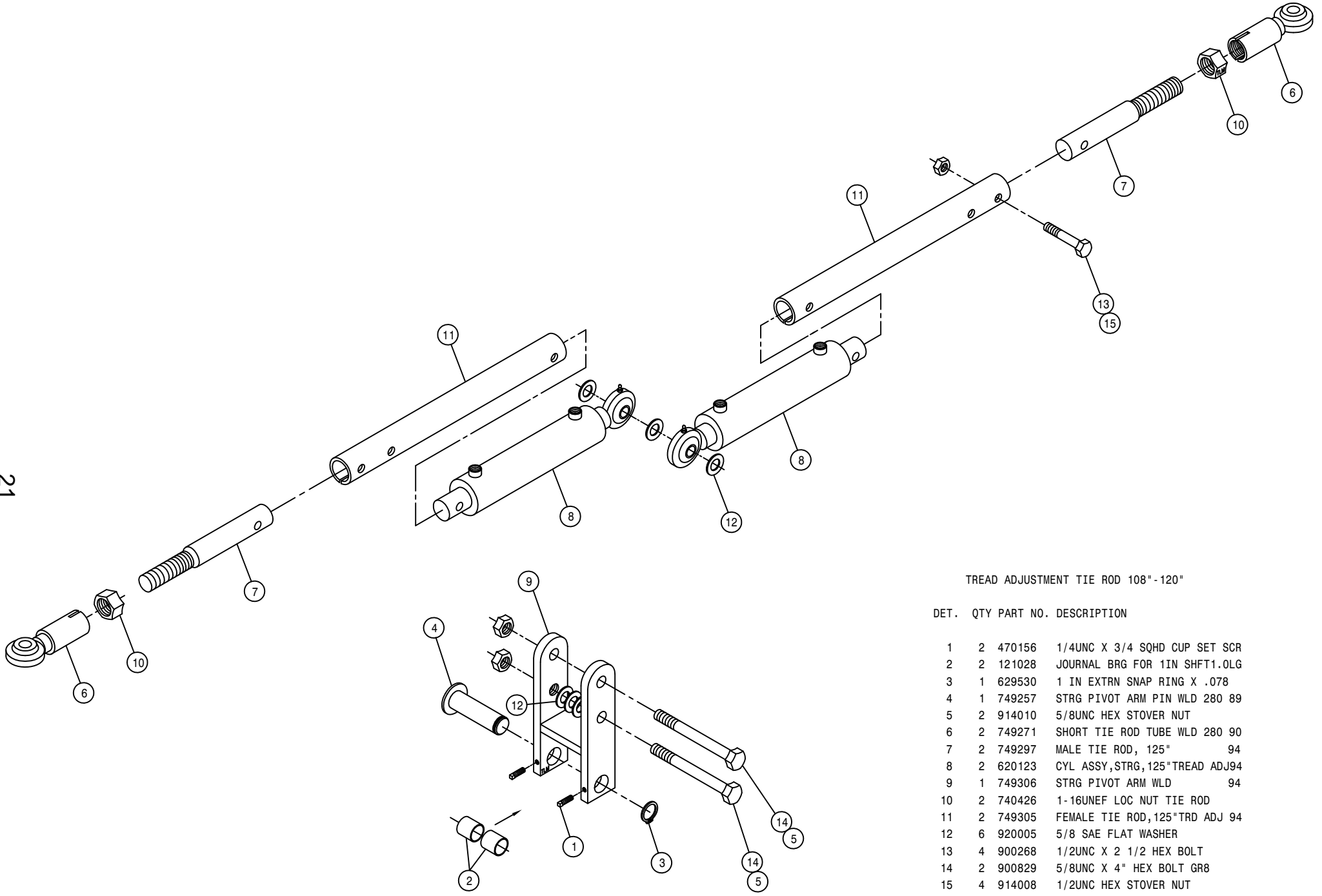
NOTE: 1. 620080 - CYLINDER ASSEMBLY

2. 620998 - SEAL KIT



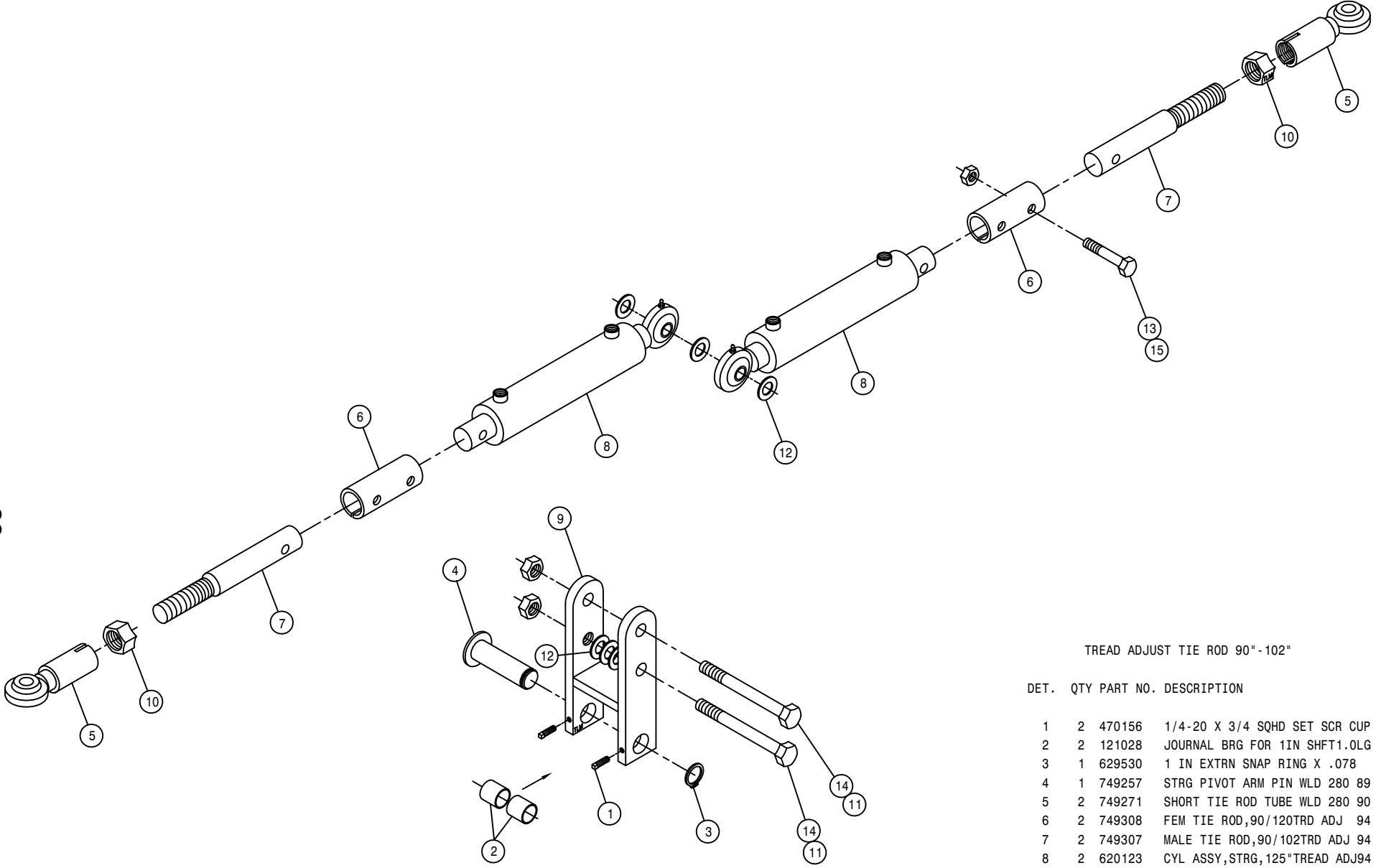
STANDARD TIE ROD ASSEMBLY

DET.	QTY	PART NO.	DESCRIPTION
1	2	470156	1/4-20 X 3/4 SQHD SET SCR CUP
2	2	121028	JOURNAL BRG FOR 1IN SHFT1.0LG
3	1	629530	1 IN EXTRN SNAP RING X .078
4	1	749257	STRG PIVOT ARM PIN WLD 280 89
5	2	749271	SHORT TIE ROD TUBE WLD 280 90
6	2	749296	FEMALE TIE ROD, 125" 94
7	2	749297	MALE TIE ROD, 125" 94
8	2	749298	MALE TIE ROD WLD, 125" 94
9	1	749306	STRG PIVOT ARM WLD 94
10	2	740426	1-16 UNEF LOC NUT TIE ROD
11	2	749300	FEMALE TIE ROD WLD, 90" 94
12	2	749303	MALE TIE ROD, 90/125" 94
13	6	900268	1/2UNC X 2 1/2 HEX BOLT
14	2	900829	5/8UNC X 4 HEX BOLT GR8
15	6	914008	1/2UNC HEX STOVER NUT
16	2	914010	5/8UNC HEX STOVER NUT
17	6	920005	5/8 FLAT WASH SAE



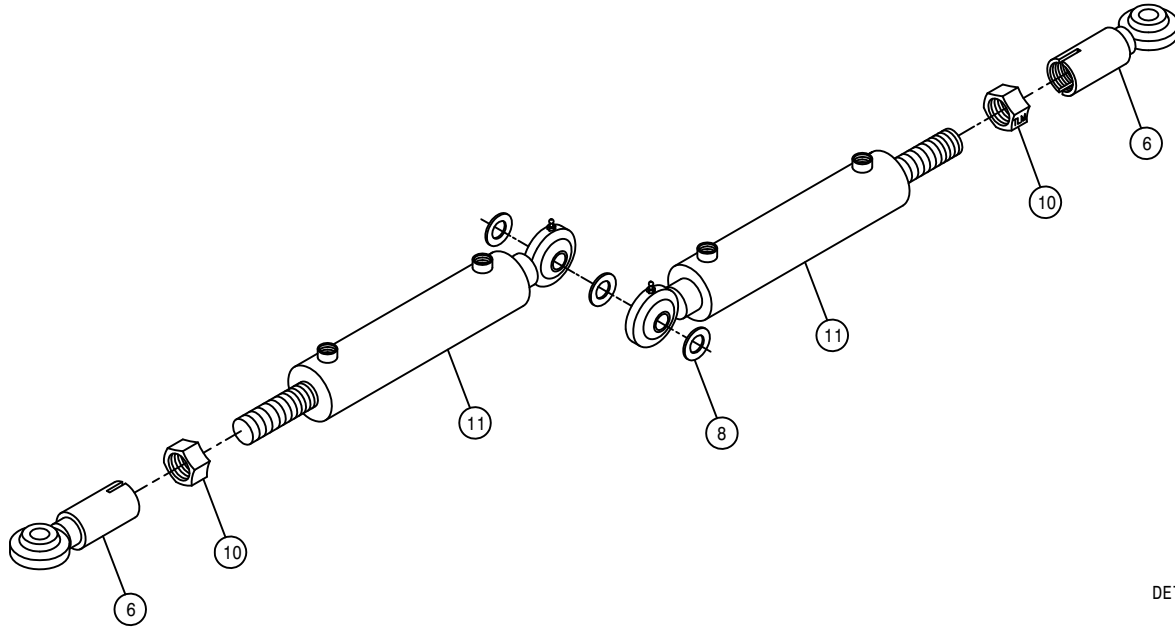
TREAD ADJUSTMENT TIE ROD 108" - 120"

DET.	QTY	PART NO.	DESCRIPTION
	2	470156	1/4UNC X 3/4 SQHD CUP SET SCR
	2	121028	JOURNAL BRG FOR 1IN SHFT1.0LG
	1	629530	1 IN EXTRN SNAP RING X .078
	1	749257	STRG PIVOT ARM PIN WLD 280 89
	2	914010	5/8UNC HEX STOVER NUT
	2	749271	SHORT TIE ROD TUBE WLD 280 90
	2	749297	MALE TIE ROD, 125" 94
	2	620123	CYL ASSY,STRG,125"TRD ADJ94
	1	749306	STRG PIVOT ARM WLD 94
	2	740426	1-16UNEF LOC NUT TIE ROD
	2	749305	FEMALE TIE ROD,125"TRD ADJ 94
	6	920005	5/8 SAE FLAT WASHER
	4	900268	1/2UNC X 2 1/2 HEX BOLT
	2	900829	5/8UNC X 4" HEX BOLT GR8
	4	914008	1/2UNC HEX STOVER NUT



TREAD ADJUST TIE ROD 90" - 102"

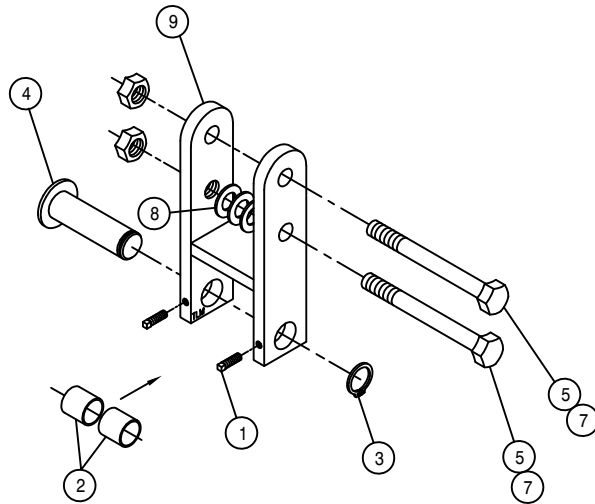
DET.	QTY	PART NO.	DESCRIPTION
	1	2	470156 1/4-20 X 3/4 SQHD SET SCR CUP
	2	121028	JOURNAL BRG FOR 1IN SHFT1.0LG
	3	629530	1 IN EXTRN SNAP RING X .078
	4	749257	STRG PIVOT ARM PIN WLD 280 89
	5	749271	SHORT TIE ROD TUBE WLD 280 90
	6	749308	FEM TIE ROD,90/120TRD ADJ 94
	7	749307	MALE TIE ROD,90/102TRD ADJ 94
	8	620123	CYL ASSY,STRG,125" TREAD ADJ94
	9	749306	STRG PIVOT ARM WLD
	10	2	740426 1-16 UNEF LOC NUT TIE ROD
	11	2	914010 5/8UNC HEX STOVER NUT
	12	6	920005 5/8 FLAT WASH SAE
	13	4	900268 1/2UNC X 2 1/2 HEX BOLT
	14	2	900829 5/8UNC X 4 HEX BOLT GR8
	15	4	914008 1/2UNC HEX STOVER NUT



TREAD ADJUST TIE ROD 78" -90"

DET. QTY PART NO. DESCRIPTION

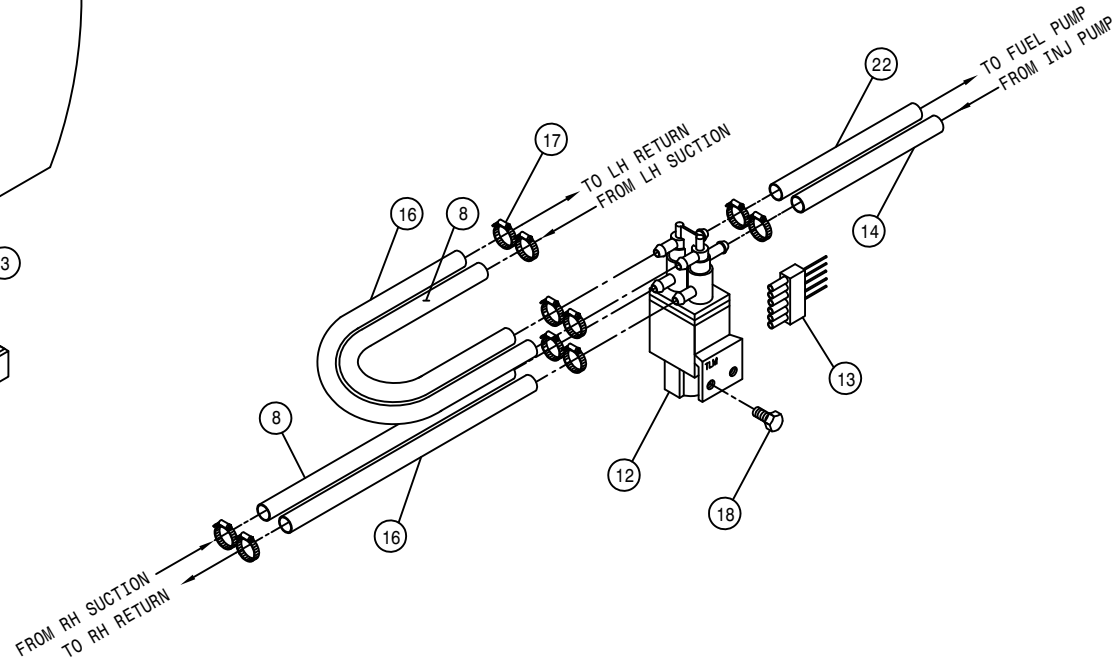
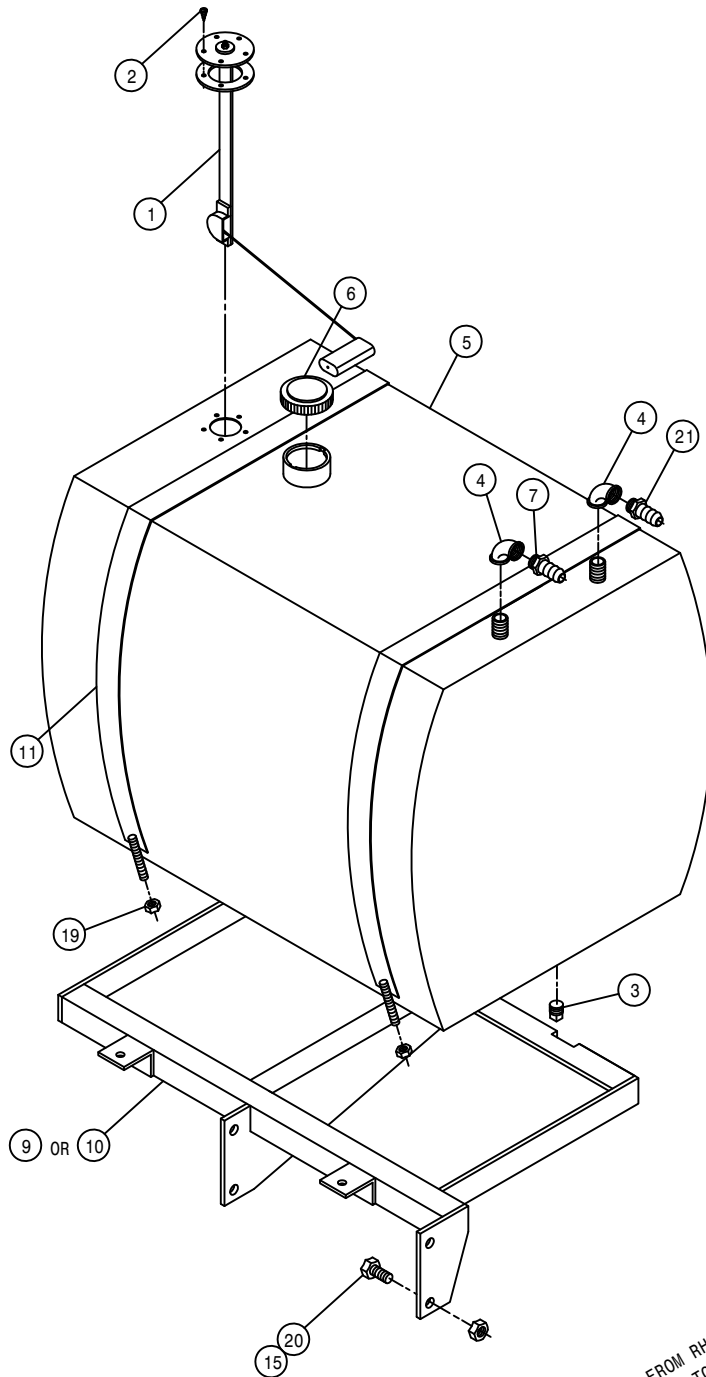
DET.	QTY	PART NO.	DESCRIPTION
1	2	470156	1/4-20 X 3/4 SQHD SET SCR CUP
2	2	121028	JOURNAL BRG FOR 1IN SHFT1.0LG
3	1	629530	1 IN EXTRN SNAP RING X .078
4	1	749257	STRG PIVOT ARM PIN WLD 280 89
5	2	900829	5/8UNC X 4 HEX BOLT GR8
6	2	749271	SHORT TIE ROD TUBE WLD 280 90
7	2	914010	5/8UNC HEX STOVER NUT
8	6	920005	5/8 FLAT WASH SAE
9	1	749306	STRG PIVOT ARM WLD 94
10	2	740426	1-16 UNEF LOC NUT TIE ROD
11	2	620122	CYL ASSY,STRG,90"TREAD ADJ 94



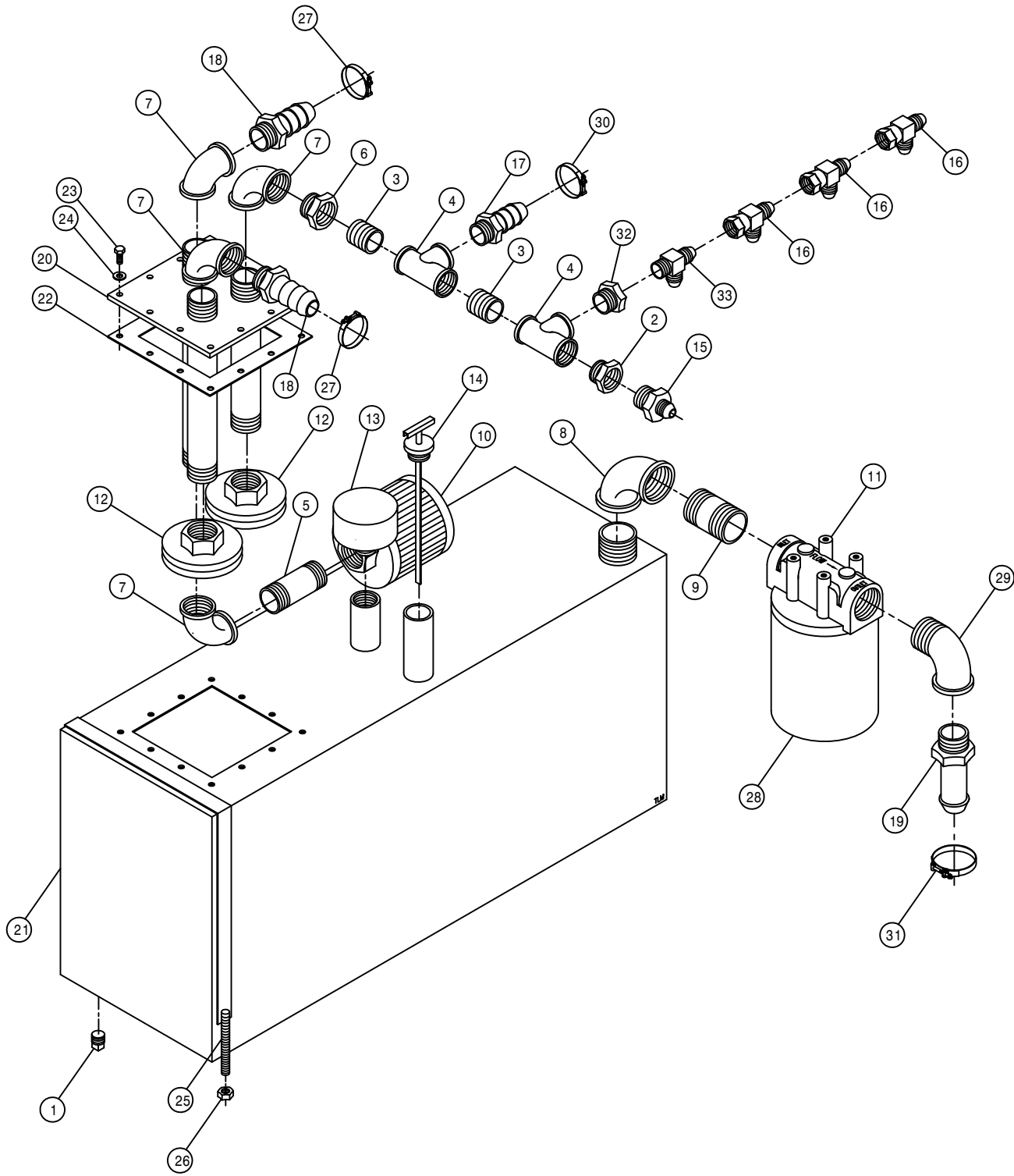
FUEL TANK ASSEMBLY

DET. QTY PART NO. DESCRIPTION

DET.	QTY	PART NO.	DESCRIPTION
	1	291428	FUEL SENDER 19 IN.
	5	473902	NO 8 X 1/2 PAN HD MET SC
	1	501102	1/4 PIPE PLUG
	2	501451	BLK PIPE EL 90DEG .25NPT
	1	760149	FUEL TANK WLD 200-280 90
	1	761200	GAS CAP
	1	783303	HOSE BARB 1/4 NPT X 5/16 HOSE
	2	601324	HOSE, 3/8 X 90IN FUEL LINE
	1	760153	RH FUEL TNK MT WLD 200-280 90
	1	760154	LH FUEL TNK MT WLD 200-280 90
	2	760162	FUEL TANK BAND WLD 200-280 90
	1	610529	FUEL SELECTOR VALVE W/RETURN
	1	610530	5 WIRE CONNECTOR FOR 610529
	1	601293	HOSE, 5/16 X 26 FUEL LINE
	4	914008	1/2UNC HEX STOVER NUT
	2	601301	HOSE, 5/16 X 90IN FUEL LINE
	10	520120	HOSE CLAMP NO 4 PLATED MINI
	2	900064	5/16UNC X 3/4 HEX BOLT
	2	914004	3/8UNC HEX STOVER NUT
	4	900264	1/2UNC X 1 1/4 HEX BOLT
	1	783304	HOSE BARB 1/4 NPT X 3/8 HOSE
	1	601322	HOSE, 3/8 X 26IN FUEL LINE







HYDRAULIC TANK ASSEMBLY

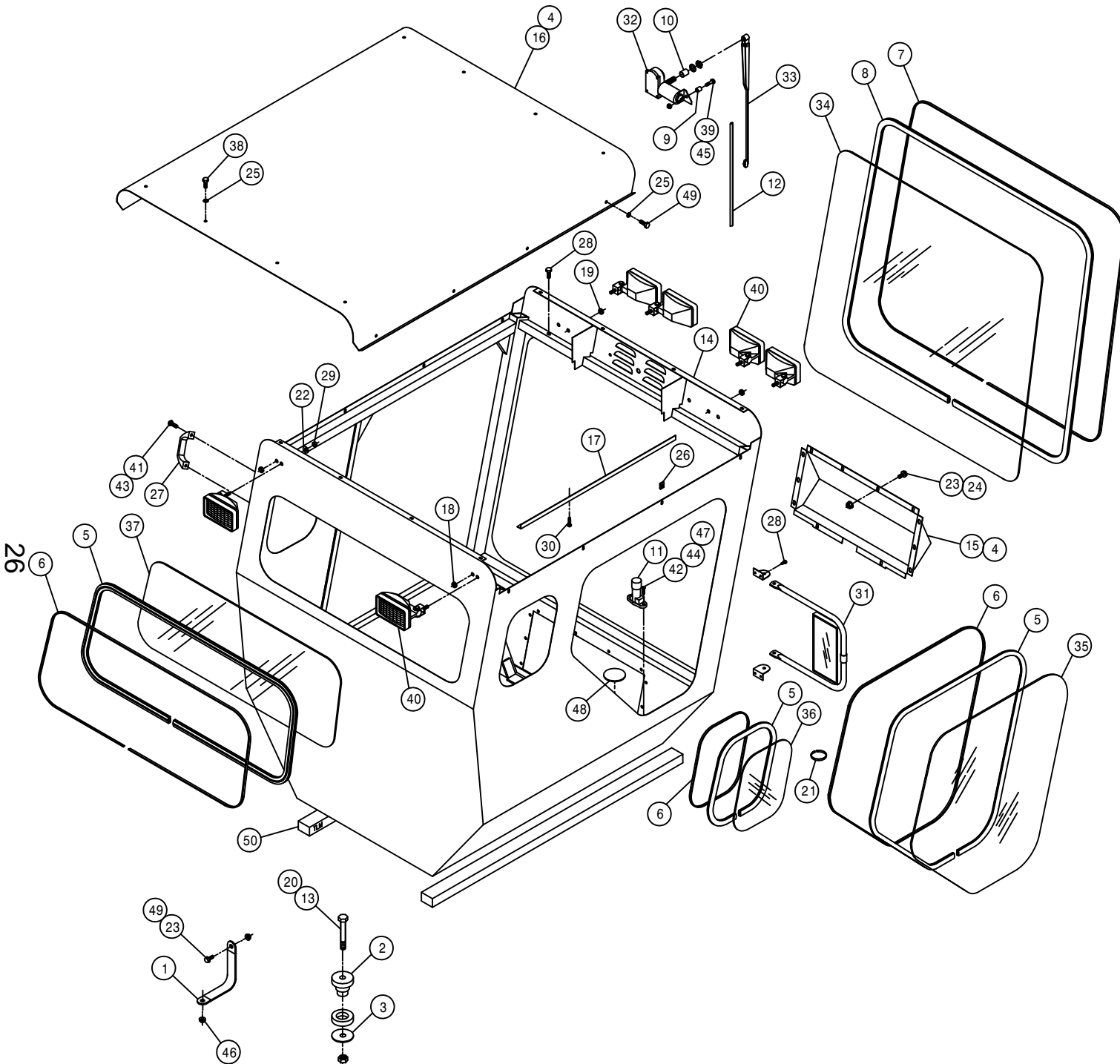
DET. QTY PART NO. DESCRIPTION

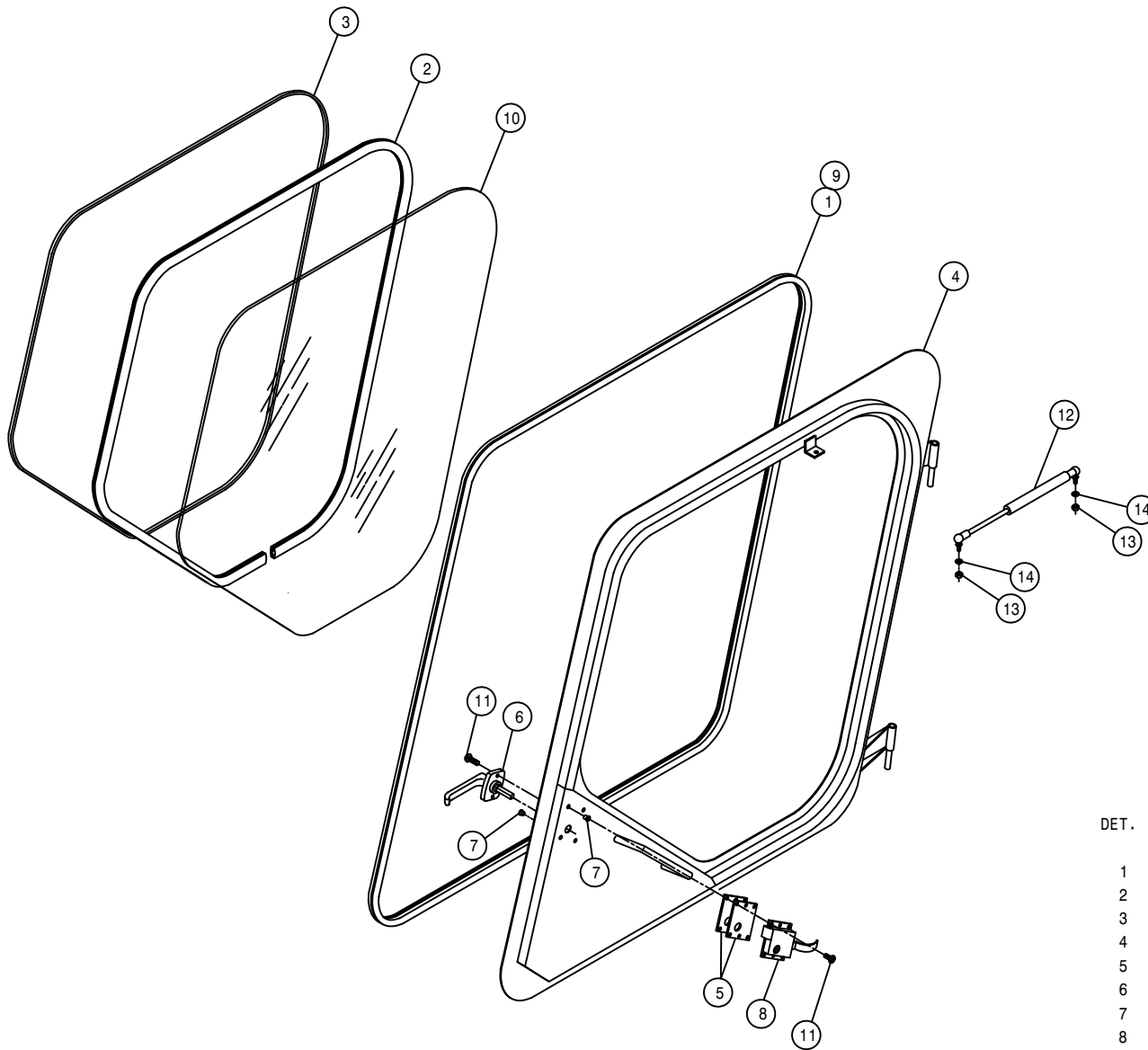
1	1	501102	1/4 PIPE PLUG
2	1	504210	RED BUSH 3/4 NPT X 1/2 NPT
3	2	504702	CLOSE NIPPLE .75NPT
4	2	504955	BLK PIPE TEE .75NPT
5	1	505203	BLK PIPE NIPPLE 1.00NPT-4.00
6	1	505213	RED BUSH 1 X 3/4 BLK MAL
7	4	505300	BLK PIPE EL 90DEG 1.00NPT
8	1	506303	BLK PIPE EL 90DEG 1.25NPT
9	1	506602	PIPE NIPPLE 1 1/4NPT-2 1/2
10	1	605600	MICHIGAN RESERVOIR FILTER
11	1	605601	GRESN FILTER 10 MICRON 40GPM
12	2	605603	LINE SUMP DIFFUSER
13	1	611052	FILLER BREATHER 3/4NPT
14	1	614453	DIPSTICK, 8IN
15	1	618018	9/16MJIC-1/2MNPT ADPTR
16	3	618486	9/16FJIC SW RUN TEE-9/16MJIC
17	1	713220	HOSE BARB 3/4 NPT X 3/4
18	2	714560	1NPT X 1 HOSE BARB
19	1	715660	HOSE BARB 1 1/4NPT X 1 1/4
20	1	760090	RECIEVER PLT WLD 8240
21	1	760097	OIL TANK WLD 8240 1982
22	1	763039	HYD MTR MTG PLT GSKT
23	12	900064	5/16UNC X 3/4 HEX BOLT
24	12	920001	5/16 SAE FLAT WASHER
25	2	341360	OIL TANK STRAP WLD 8240 1982
26	4	914004	3/8UNC HEX STOVER NUT
27	2	520138	1.00 T-BOLT HOSE CLAMP
28	1	605602	FILT ELEMENT 10MICRON 40GPM
29	1	506410	BLK PIPE ST EL 90DEG 1.25NPT
30	1	520137	.75 T-BOLT HOSE CLAMP
31	1	520132	1.62/1.87 T-BOLT HOSE CLAMP
32	1	504001	RED BUSH 3/4 X 1/4 BLK MAL
33	1	618520	1/4MNPT RUN TEE-9/16MJIC

CAB ASSEMBLY

DET. QTY PART NO. DESCRIPTION

DET.	QTY	PART NO.	DESCRIPTION
1	1	290107	ENG TO GROUND STRAP 8 IN
2	4	311051	RUBBER MOUNT, RB3-350
3	4	311052	SNUBBING WASHER FOR 311051
4	24	193037	STICKERTITE 1/8 X 3/4
5	25	193044	WINDOW WEATHERSTRIP 94
6	25	193045	LOCK STRIP FOR 193044 94
7	13	192001	FILLR STRIP FOR WEATHERSTRIP
8	13	193018	2 P/C SELF SEAL WEATHERSTRIP
9	1	200019	.25 SCH 40BP X 1.00 LG C/L
10	1	202037	WINDSHIELD WIPER SPACER
11	1	290412	DIMMER SWITCH
12	1	290417	18" WIPER BLADE
13	4	900343	5/8UNC X 4 1/2 HEX BOLT
14	1	342330	CAB WELDMT, 284 97
15	1	342146	KICK PANEL WLD, 284 CAB 94
16	1	342150	CAB ROOF WLD, 284 94
17	1	342180	HEADLINER KPR ANGLE,284CAB 94
18	2	470067	RUBBER GROMMET 1/4 ID
19	2	470070	RUBBER GROMMET 3/8 ID
20	4	914010	5/8UNC HEX STOVER NUT
21	1	470229	IDENTIFICATION TIE, 3/4"
22	6	470100	3/8 INT TOOTH LOCK WASHER
23	13	470121	1/4UNC HEX FLANGE LOCK NUT
24	12	470122	1/4UNC X 1/2 FLANGE HEX BOLT
25	16	470212	1/4 BONDED NEO SEALING WASHER
26	16	470218	1/4UNC NUT J-TYPE CAGE CLIP
27	1	470222	GRAB HANDLE, BLACK MOULDED
28	12	472349	1/4 X 3/4 20THD-IN TEK TYPE
29	6	473779	10MM-1.50 HEX NUT
30	2	473910	1/4 X 1 1/2 PHIL HD SHT MTL S
31	2	650524	OUTSIDE REAR VIEW MIRROR
32	1	658008	WINDSHIELD WIPER MOTOR
33	1	658013	WIPER ARM
34	1	658014	FRONT CAB GLASS 94
35	1	658015	FRONT SIDE CAB/DOOR GLASS 94
36	2	658016	REAR SIDE CAB GLASS 94
37	1	658017	REAR CAB GLASS 94
38	8	900002	1/4UNC X 3/4 HEX BOLT
39	1	900005	1/4UNC X 1 1/2 HEX BOLT
40	6	291603	WORKLAMP, SIDE MT 12V HALOGEN
41	2	903883	10-32 X 1/2 SLT RDHD MACH SCR
42	2	903889	10-32 X 3/4 SLT RDHD MACH SCR
43	2	470175	10-32 HEX FLANGE LOCK NUT
44	2	910027	10-32 HEX NUT
45	1	914000	1/4UNC HEX STOVER NUT
46	1	914004	3/8UNC HEX STOVER NUT
47	2	920510	#10 LOCK WASHER
48	1	629728	FINISH PLUG FOR 2.12 HOLE
49	9	470118	1/4UNC X 3/4 FLANGE HEX BOLT
50	2	659704	FOAM, 2"THK X 2" WIDE X 42"LG

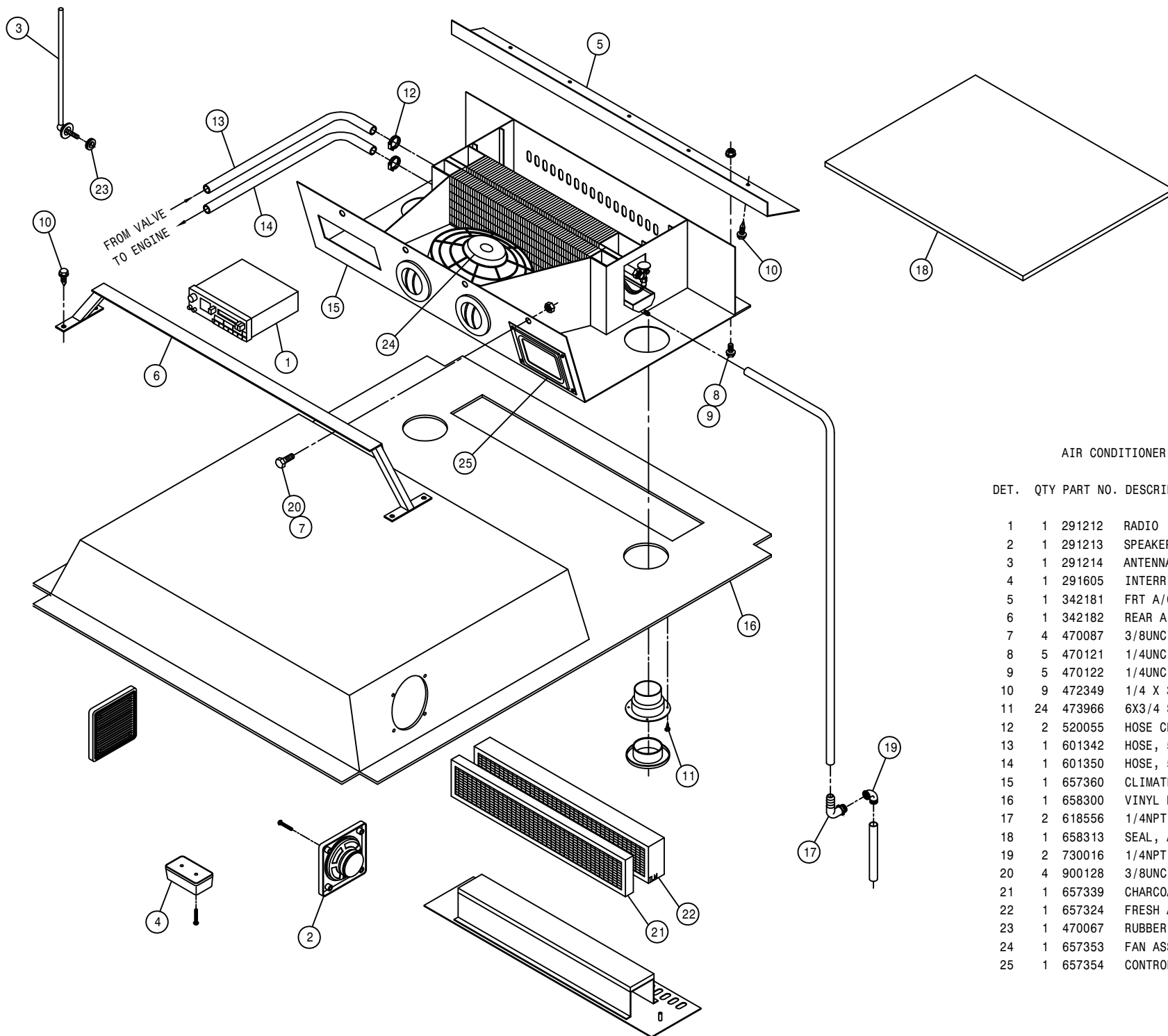




DOOR ASSEMBLY

DET. QTY PART NO. DESCRIPTION

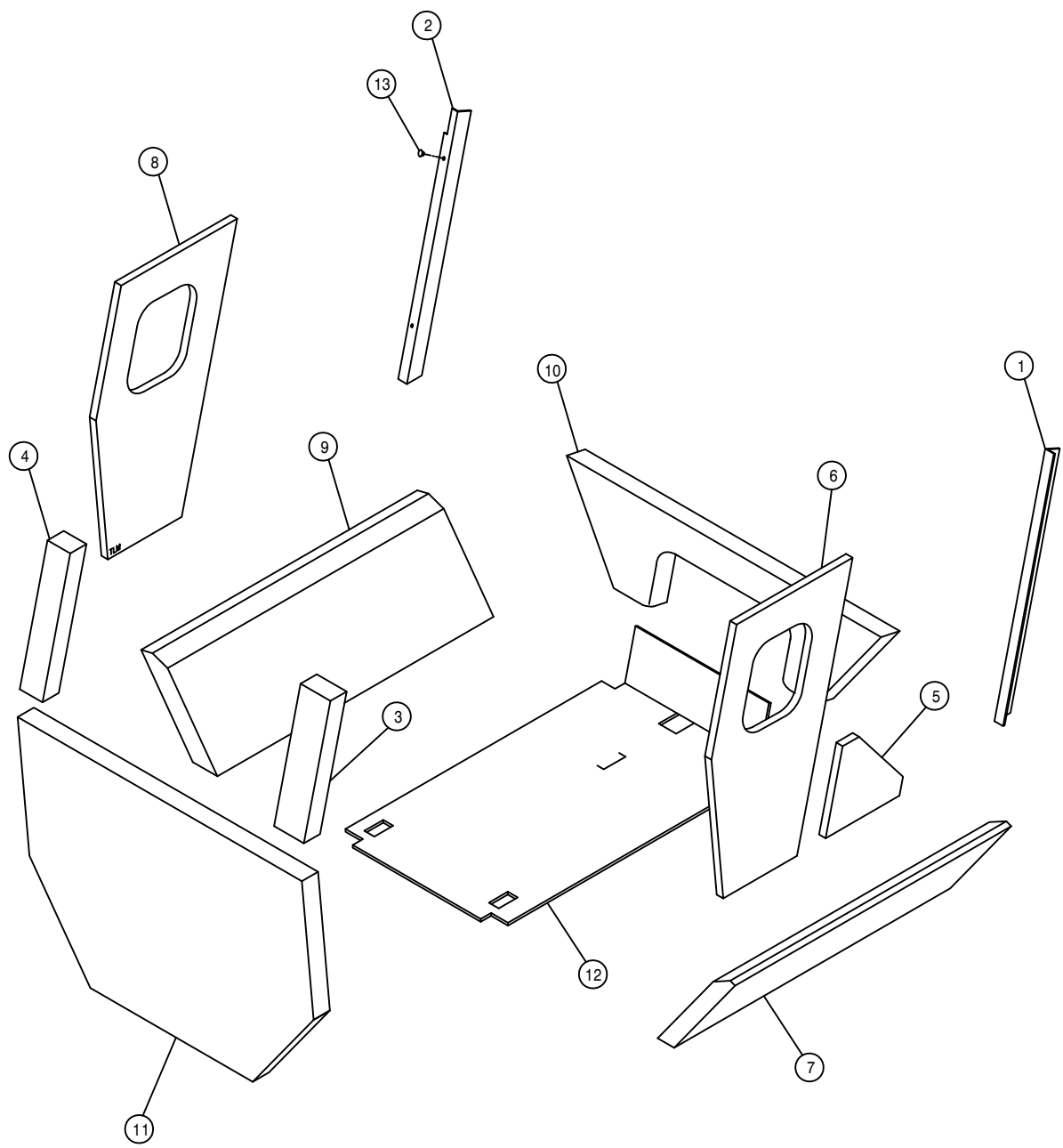
1	12	193028	PUSH-ON TRIM SEAL RS-130-FX
2	9	193044	WINDOW WEATHERSTRIP 94
3	9	193045	LOCK STRIP FOR 193044 94
4	1	342153	LH DOOR WLD, 284 CAB 94
5	2	342163	CAB DOOR LATCH SHIM, .06 94
6	1	342217	DOOR HANDLE, 254/284 CAB 94
7	6	470165	10-32 NUTSERT .020-.100 MATL
8	1	470219	CAB LOCK, LH #55
9	2	485052	POP RIVET 1/8 X 3/8
10	1	658015	FRONT SIDE CAB/DOOR GLASS 94
11	6	903710	10-32X1/2 PHIL PANHD MACH SCR
12	1	470221	GAS SPRING, 60LB 3.5 STROKE
13	2	910002	5/16UNC HEX NUT
14	2	920501	5/16 LOCK WASHER



AIR CONDITIONER ASSEMBLY

DET. QTY PART NO. DESCRIPTION

1	1	291212	RADIO	94
2	1	291213	SPEAKERS (PAIR)	94
3	1	291214	ANTENNA	94
4	1	291605	INTERIOR LIGHT W/SWITCH	
5	1	342181	FRT A/C BLOWER MT ANG, CAB	94
6	1	342182	REAR A/C BLOWER MT WLD, CAB	94
7	4	470087	3/8UNC HEX FLANGED LOCK NUT	
8	5	470121	1/4UNC HEX FLANGED LOCK NUT	
9	5	470122	1/4UNC X 1/2 FLANGED HEX BOLT	
10	9	472349	1/4 X 3/4 20THD-IN TEK TYPE	
11	24	473966	6X3/4 SHT MTL SCR,FLT HD PHIL	
12	2	520055	HOSE CLAMP NO 12 PLATED	
13	1	601342	HOSE, 5/8 X 192 HEATER	
14	1	601350	HOSE, 5/8 X 160" HEATER	
15	1	657360	CLIMATE CTRL, A/C & HTR R134A	
16	1	658300	VINYL HEAD LINER	94
17	2	618556	1/4NPT-90-1/2 HOSE BARB,POLY	
18	1	658313	SEAL, AIR CONDITIONER	94
19	2	730016	1/4NPT ST EL, 90 DEG POLY	
20	4	900128	3/8UNC X 3/4 HEX BOLT	
21	1	657339	CHARCOAL FILTER FOR 657333	
22	1	657324	FRESH AIR FILTER EAGLE	
23	1	470067	RUBBER GROMMET 1/4 ID	
24	1	657353	FAN ASSY, CLIMATE CTRL R134A	
25	1	657354	CONTROLLER ASSY, CLIMATE CTRL	



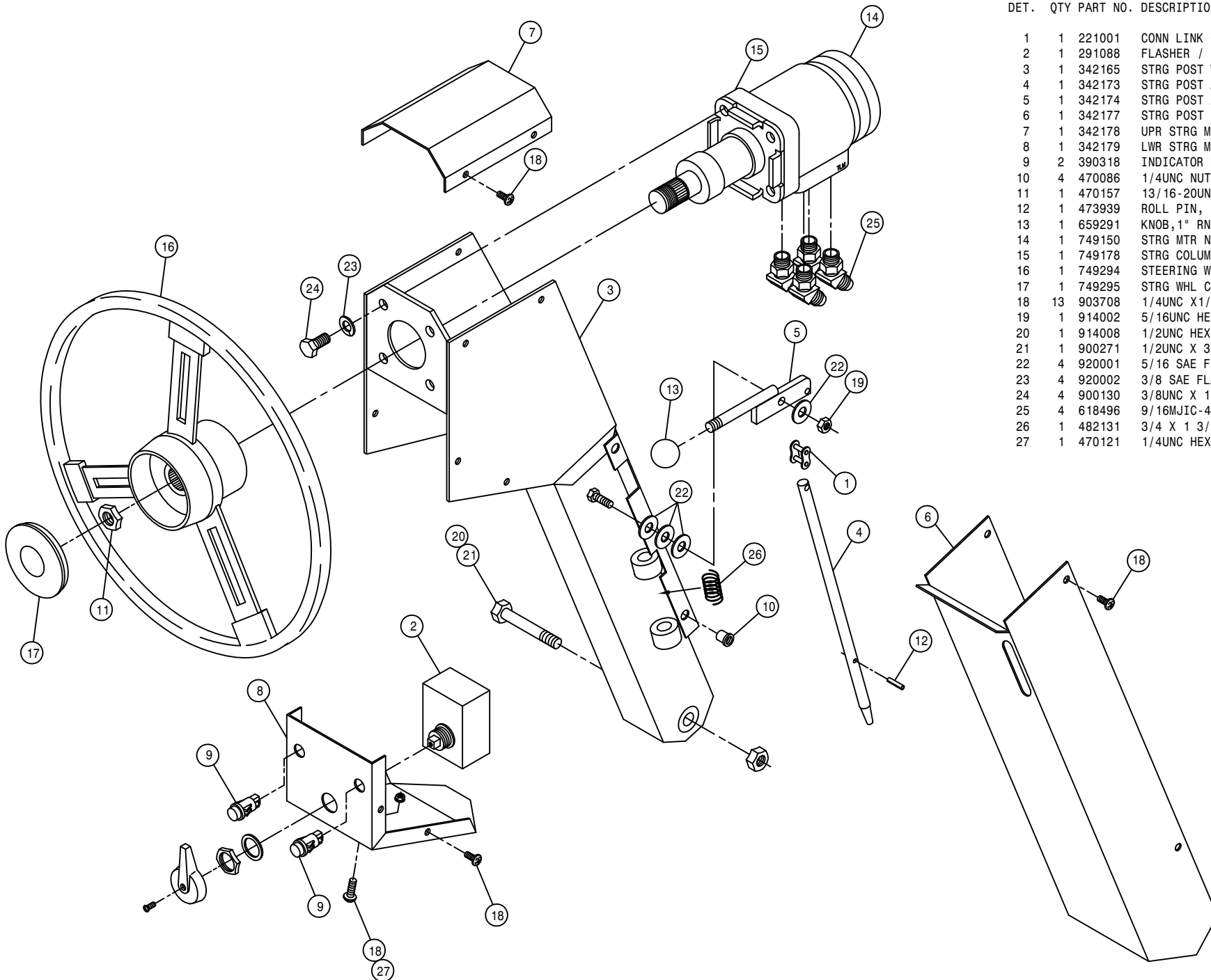
CAB FOAM

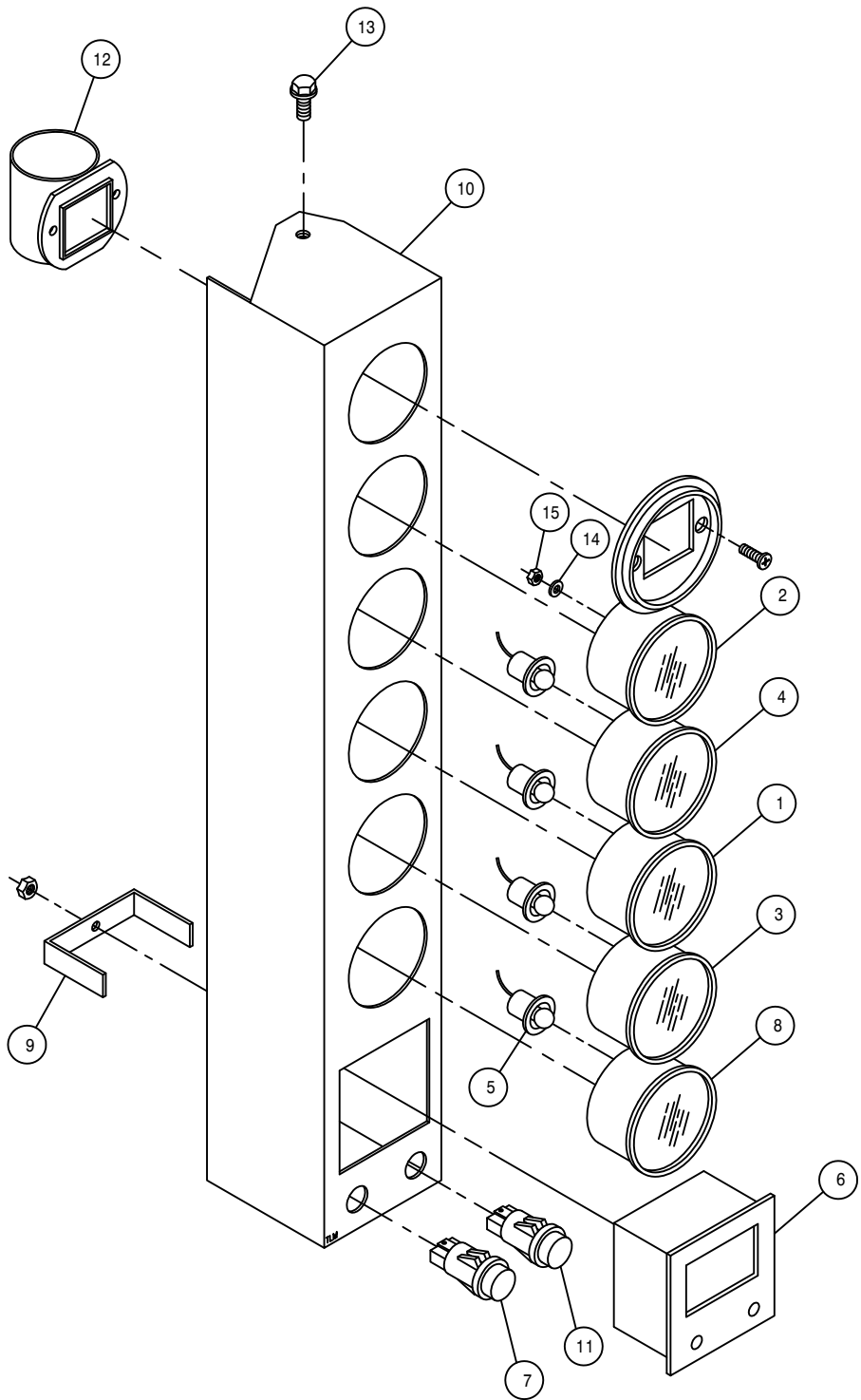
DET.	QTY	PART NO.	DESCRIPTION
1	1	658301	VINYL POST COVER, RH FRONT 94
2	1	658302	VINYL POST COVER, LH FRONT 94
3	1	658303	VINYL POST COVER, RH REAR 94
4	1	658304	VINYL POST COVER, LH REAR 94
5	1	658305	VINYL SIDE PANEL, RH 94
6	1	658306	VINYL SIDE PANEL, RH UPPER 94
7	1	658307	VINYL SIDE PANEL, RH LOWER 94
8	1	658308	VINYL SIDE PANEL, LH UPPER 94
9	1	658309	VINYL SIDE PANEL, LH LOWER 94
10	1	658310	VINYL FRONT COVER PANEL 94
11	1	658311	VINYL REAR COVER PANEL 94
12	1	658316	CAB FLOORMAT, 284 97
13	2	470225	TRIM CLIP, 11/16 BLK NYL HEAD

STEERING POST ASSEMBLY

DET. QTY PART NO. DESCRIPTION

1	1	221001	CONN LINK CLIP TYPE RC50
2	1	291088	FLASHER / TURN SIGNAL SWITCH
3	1	342165	STRG POST WLD, 284 CAB 94
4	1	342173	STRG POST ADJ PIN, 284 CAB 94
5	1	342174	STRG POST ADJ PIN LEVER WLD94
6	1	342177	STRG POST COVER, 284 CAB 94
7	1	342178	UPR STRG MTR HSNG COVER 94
8	1	342179	LWR STRG MTR HSNG COVER 94
9	2	390318	INDICATOR LIGHT, RED
10	4	470086	1/4UNC NUTSERT .020-.100MATL
11	1	470157	13/16-20UNEF HEX NUT STRG WHL
12	1	473939	ROLL PIN, 3/16DIA X 7/8
13	1	659291	KNOB, 1" RND, BLK, 3/8-16
14	1	749150	STRG MTR NON-LOAD REACT 1008
15	1	749178	STRG COLUMN 2.5IN LONG
16	1	749294	STEERING WHEEL, VIP 14"
17	1	749295	STRG WHL CAP W/HAGIE EMBLEM
18	13	903708	1/4UNC X 1/2 PHIL PNHD MACHSCR
19	1	914002	5/16UNC HEX STOVER NUT
20	1	914008	1/2UNC HEX STOVER NUT
21	1	900271	1/2UNC X 3 1/4 HEX BOLT
22	4	920001	5/16 SAE FLAT WASHER
23	4	920002	3/8 SAE FLAT WASHER
24	4	900130	3/8UNC X 1 1/4 HEX BOLT
25	4	618496	9/16MJIC-45-3/4MOR LBO
26	1	482131	3/4 X 1 3/4 COMPRN SPRING
27	1	470121	1/4UNC HEX FLANGE LOCK NUT





INSTRUMENT PANEL ASSEMBLY

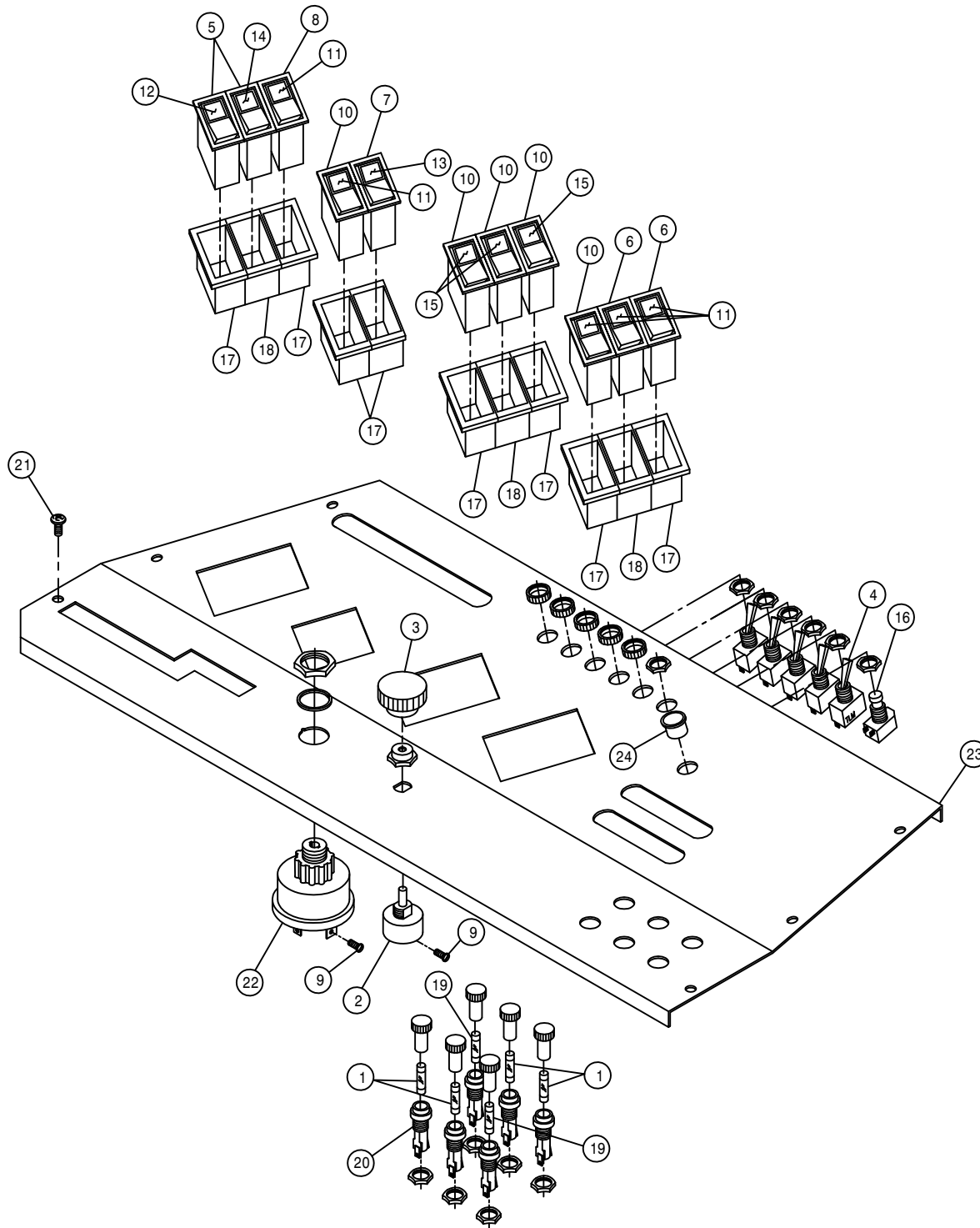
DET. QTY PART NO. DESCRIPTION

1	1	290401	FUEL GAUGE FOR 2.125 DIA HOLE
2	1	291203	HOUR METER
3	1	291609	OIL PRESS GAUGE, 80PSI
4	1	291611	VOLTMETER, 8V TO 18V DC
5	4	291612	LIGHT KIT FOR 2" GAUGE
6	1	291635	DIGITAL MPH/RPM INDICATOR
7	1	291638	INDICATOR LIGHT, GREEN
8	1	314436	TEMP GA 100-280 DEG LIGHTED
9	1	342068	DIGITAL MPH/RPM IND KEEPER 94
10	1	342186	INSTRU HSNGL WLD, 284 CAB 94
11	1	390318	INDICATOR LIGHT RED SNAP-IN
12	1	314901	FILTER MINDER AIR RESTRICT GA
13	2	470122	1/4UNC X 1/2 FLANGED HEX BOLT
14	8	473802	NO 8 INT TOOTH STARWASHER
15	8	910024	#8-32 HEX NUT

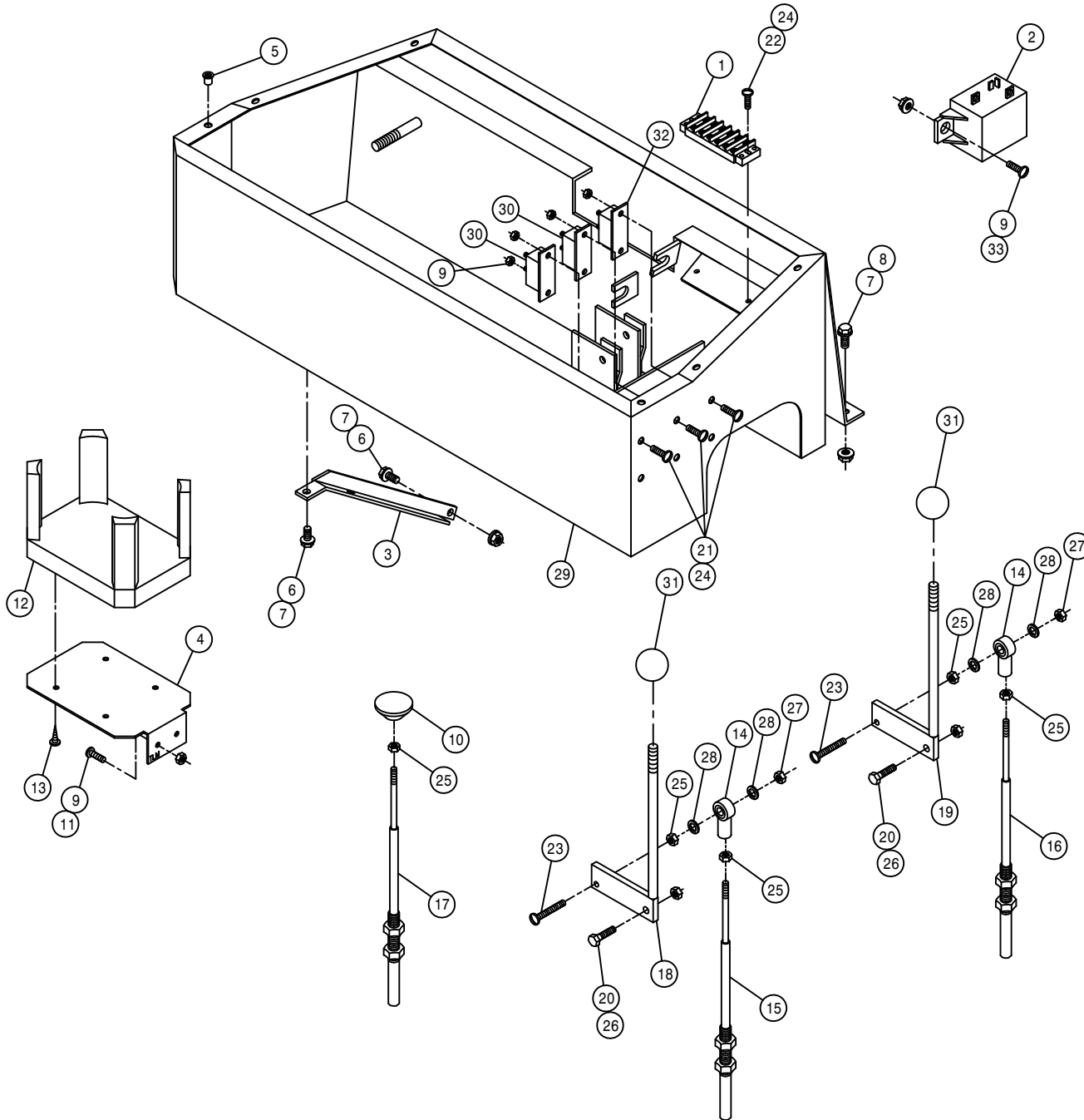
CONSOLE PANEL ASSEMBLY

DET. QTY PART NO. DESCRIPTION

1	4	291602	FUSE 10 AMP
2	1	291606	ROTARY HEADLAMP SWITCH
3	1	291607	SWITCH KNOB FOR 291606
4	5	291608	TOGGLE SWITCH, ON-OFF, UNLIT
5	2	291622	SWITCH, 1P ON/OFF 511-003
6	2	291623	SWITCH, 2P ON/OFF 511-015
7	1	291624	SWITCH, 2P (ON)/OFF 511-130
8	1	291625	SWITCH, 2P ON/ON 511-108
9	2	903844	8-32 X 1/2 SLT RD HD MACH SCR
10	5	291627	SWITCH, 2P (ON)OFF (ON) 511-058
11	5	291628	LENS, GREEN
12	1	291629	LENS, WIPER
13	1	291630	LENS, WINDSHIELD WASHER
14	1	291631	LENS, HAZARD
15	3	291632	LENS, DIRECTION INDICATOR
16	1	291639	PUSHBUTTON SWITCH, ON/OFF SPST
17	8	293246	END BEZEL
18	3	293247	CENTER BEZEL
19	2	298004	20 AMP FUSE SFE 20
20	6	298011	FUSE HOLDER
21	6	903708	1/4UNC X1/2 PHIL PNHD MACHSCR
22	1	321020	IGN SWITCH 5 POLE
23	1	342189	CONSOLE COVER PNL, 284 CAB 94
24	1	470224	SNAP PLUG, BLK NYL, .50 DIA

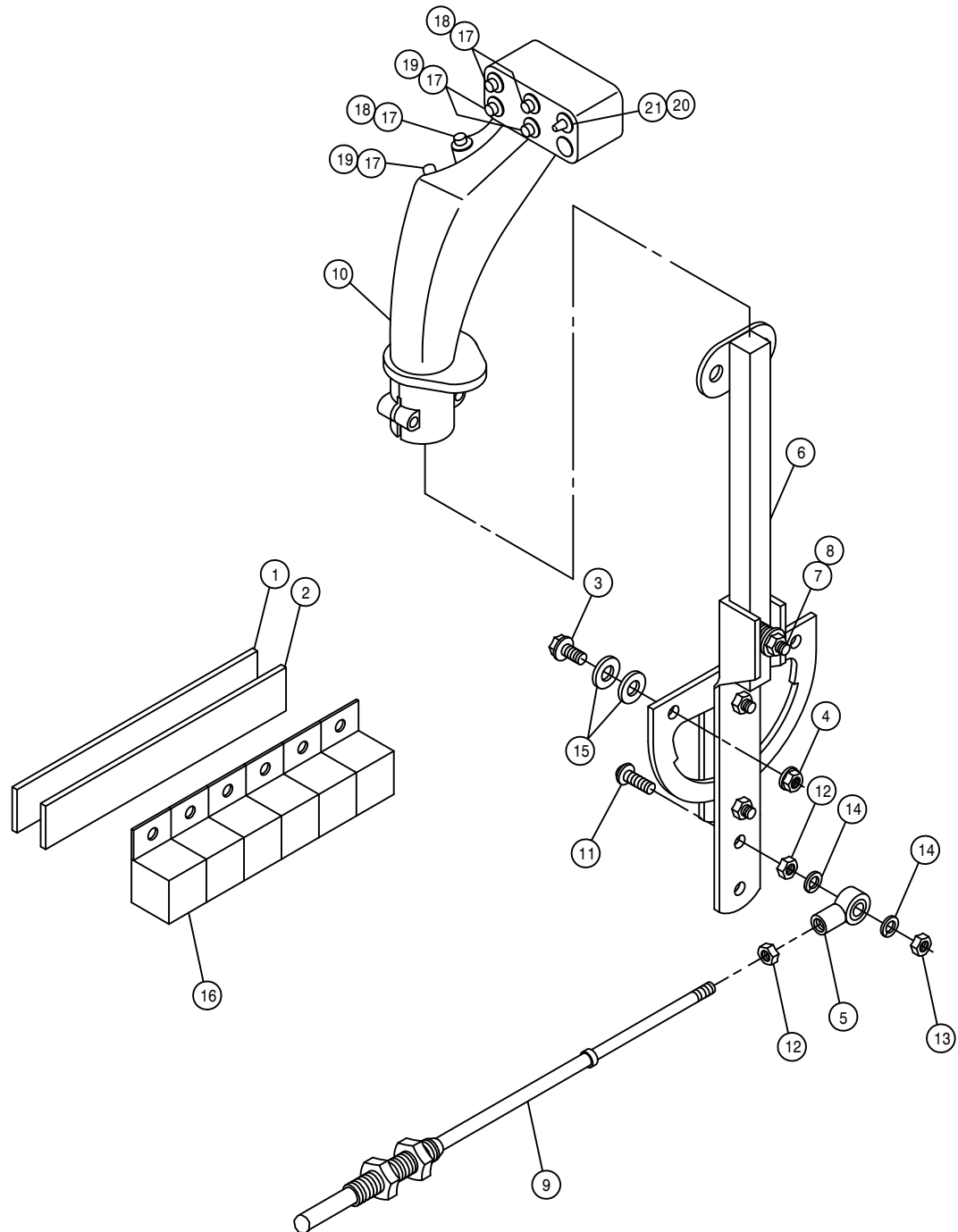






CONSOLE ASSEMBLY

DET.	QTY	PART NO.	DESCRIPTION
1	1	293093	TERMINAL BLOCK 6 POS - 2 ROW
2	1	657371	RELAY, 12 VOLT 75 AMP
3	1	342282	CONSOLE BRACE 254/284 95
4	1	342216	DRINK HOLDER MT BRKT 94
5	6	470086	1/4UNC NUTSERT .020-.100MATL
6	3	470118	1/4UNC X 3/4 FLANGED HEX BOLT
7	5	470121	1/4UNC HEX FLANGED LOCK NUT
8	2	470122	1/4UNC X 1/2 FLANGED HEX BOLT
9	8	470175	#10-32 HEX FLANGED LOCK NUT
10	1	470190	KNOB, 1 3/8" LIFT, BLK 10-32
11	2	903710	MACH SCR 10-32X1/2 PHIL PANHD
12	1	470214	SPILLMASTER DRINK HOLDER
13	4	473902	NO 8 X 1/2 PAN HD MET SC
14	2	473921	BALL JOINT NO 10-32 THD
15	1	785063	CTRL CABLE 10-32 2IN X 42 LG
16	1	785064	CTRL CABLE 10-32 2IN X 53 LG
17	1	785065	CTRL CABLE 10-32 4IN X 68 LG
18	1	785070	SOLU PRESS CTRL LEVER WLD 94
19	1	785073	AGIT CTRL LEVER WLD 94
20	2	900003	1/4UNC X 1 HEX BOLT
21	6	903812	6-32 X 1/2 SLT RD HD MACH SCR
22	2	903814	6-32 X 3/4 SLT RD HD MACH SCR
23	2	903893	10 32 X 1 SLT RD HD MACH SCR
24	8	910022	#6-32 HEX NUT
25	5	910027	#10-32 HEX NUT
26	2	914000	1/4UNC HEX STOVER NUT
27	2	914027	#10-32 HEX STOVER NUT
28	4	920510	LOCK WASH NO 10
29	1	342191	CONSOLE WLD, 284 CAB 94
30	2	291197	CIRCUIT BREAKER, 30AMP
31	2	659291	KNOB, 1" RND, BLK, 3/8-16
32	1	291024	CIRCUIT BREAKER, 40AMP
33	2	903883	10-32 X 1/2 SLTRD HD MACH SCR



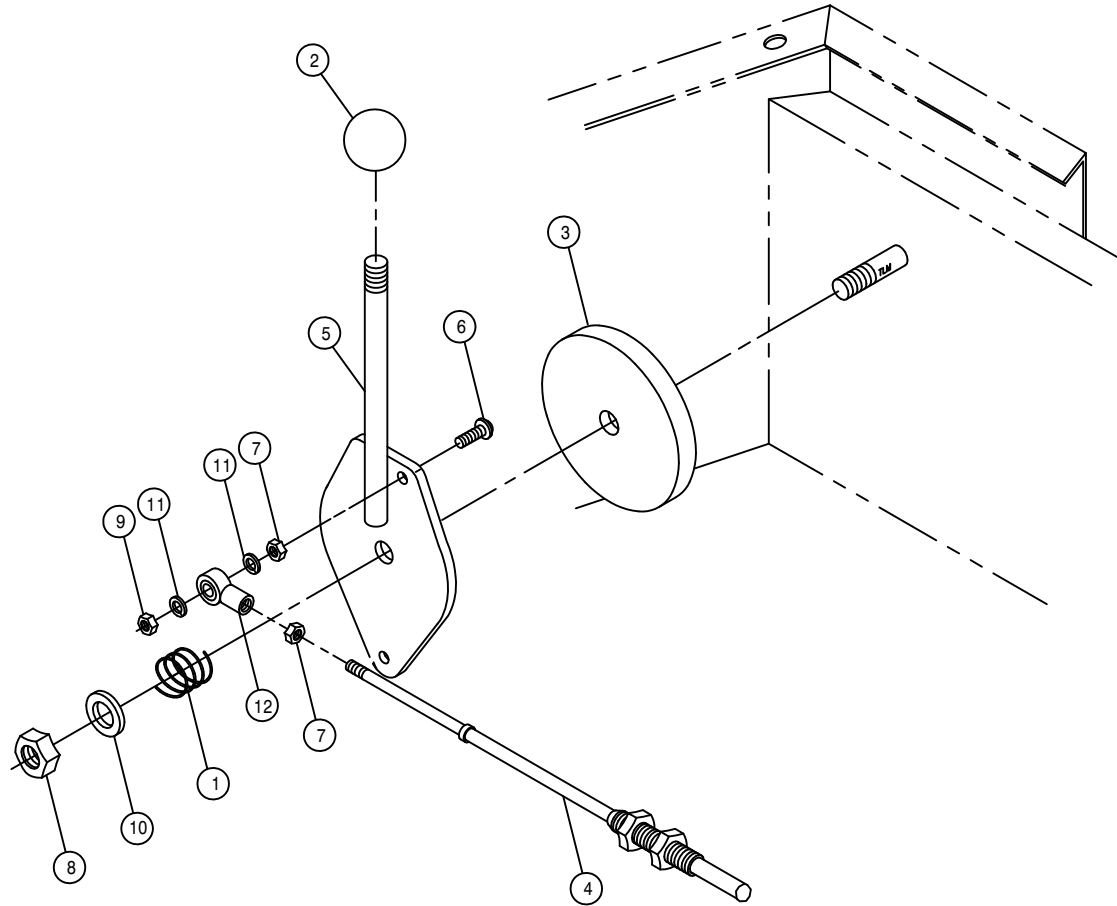
HYDROSTATIC LEVER ASSEMBLY

DET.	QTY	PART NO.	DESCRIPTION
1	1	193038	DUAL LOCK 1IN SJ3541 TYPE 400
2	1	193039	DUAL LOCK 1IN SJ3542 TYPE 400
3	2	470118	1/4UNC X 3/4 FLANGE HEX BOLT
4	2	470121	1/4UNC HEX FLANGE LOCK NUT
5	1	473921	BALL JOINT NO 10-32 THD
6	1	606907	HYDST CTRL LEVER, 204-284 94
7	1	900005	1/4UNC X 1 1/2 HEX BOLT
8	1	914000	1/4UNC HEX STOVER NUT
9	1	785003	CTRL CABLE 10-32 4IN X 112 LG
10	1	785078	FASSE EZ-3 CTRL HANDLE,284 96
11	1	903893	10-32 X 1" SLT RD HD MACH SCR
12	2	910027	10-32 HEX NUT
13	1	914027	10-32 HEX STOVER NUT
14	2	920510	#10 LOCK WASHER
15	4	920000	1/4 SAE FLAT WASHER
16	6	291640	RELAY FOR FASSE CTRL HANDLE
17	6	291650	SWITCH,SPDT MOM MICRO
18	3	291651	SWITCH BOOT, GRAY -FOR 291650
19	3	291652	SWITCH BOOT, RED -FOR 291650
20	1	291654	SWITCH BOOT, BLACK-FOR 291653
21	1	291653	SWITCH, TOG SPDT 3POS STAT

THROTTLE LEVER ASSEMBLY

DET. QTY PART NO. DESCRIPTION

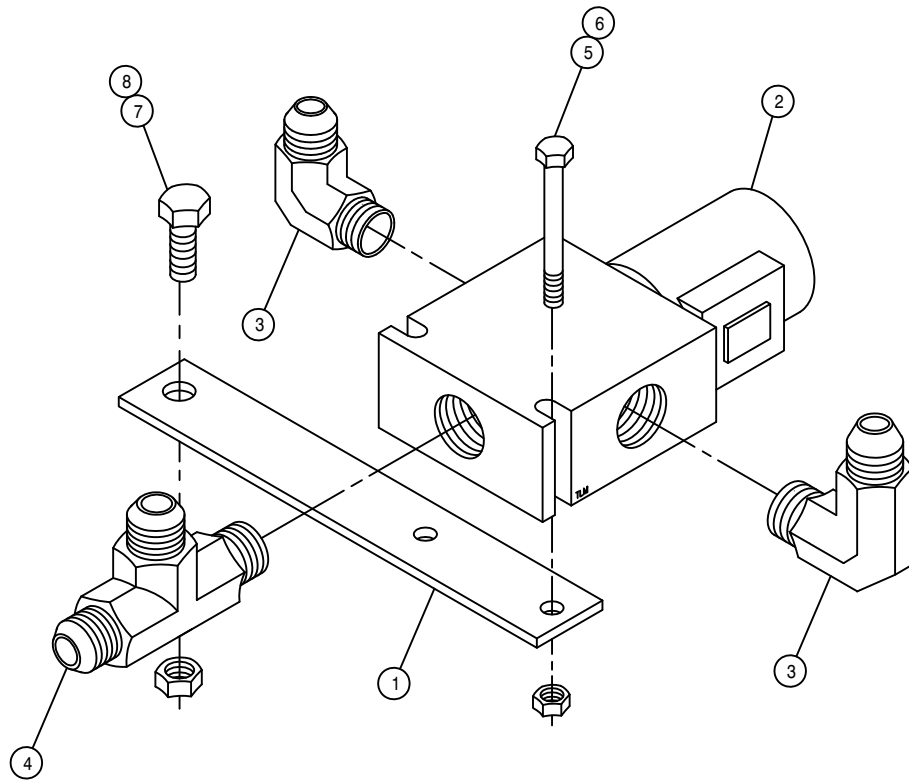
1	1	499001	SPRING HYDRO CONTROL
2	1	785007	KNOB,1 3/16" BALL,RED,3/8-16
3	1	785046	FRICTION DISC 3-333 X .38
4	1	785066	CTRL CABLE 10-32 4IN X 129 IN
5	1	785067	THROT LEVER WLD,GAS/DIESEL 94
6	1	903893	10-32 X 1" SLT RD HD MACH SCR
7	2	910027	10-32 HEX NUT
8	1	914004	3/8UNC HEX STOVER NUT
9	1	914027	10-32 HEX STOVER NUT
10	1	920002	3/8 SAE FLAT WASHER
11	2	920510	#10 LOCK WASHER
12	1	473921	BALL JOINT NO 10-32 THD

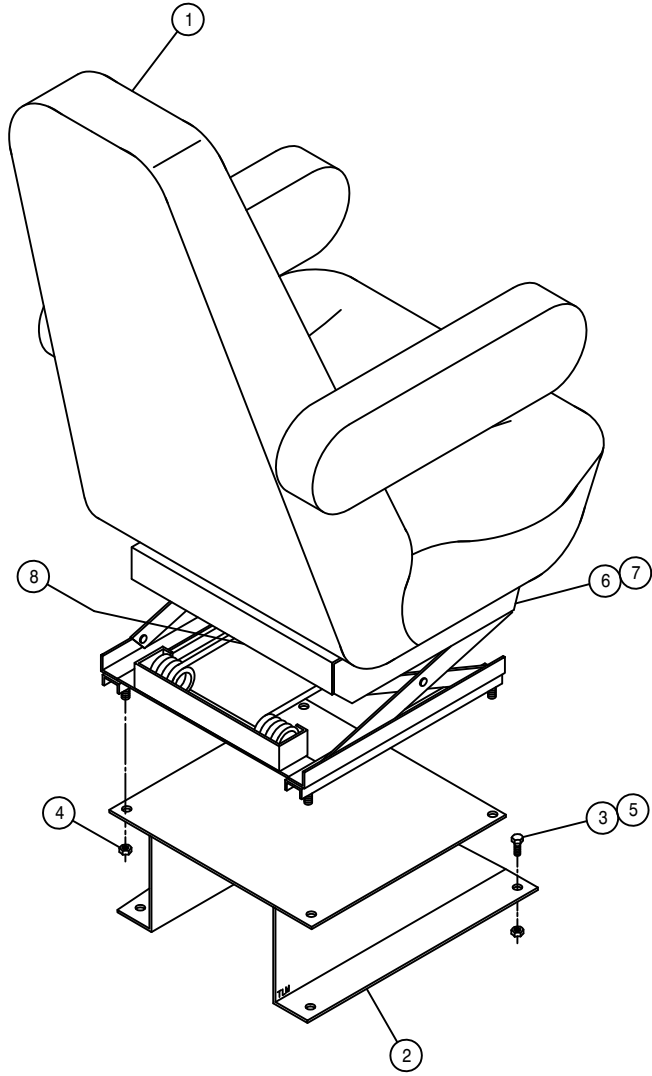


BRAKE SOLENOID ASSEMBLY

DET. QTY PART NO. DESCRIPTION

1	1	342332	PARK BRAKE SOL VLV MT	97
2	1	610302	HYD SOLENOID VALVE 3WAY 12VDC	
3	2	611122	9/16MJIC-90-1/4MNPT LBO	
4	1	618520	1/4MNPT RUN TEE-9/16MJIC	
5	2	900006	1/4UNC X 1 3/4 HEX BOLT	
6	2	914000	1/4UNC HEX STOVER NUT	
7	1	900129	3/8UNC X 1" HEX BOLT	
8	1	914004	3/8UNC HEX STOVER NUT	

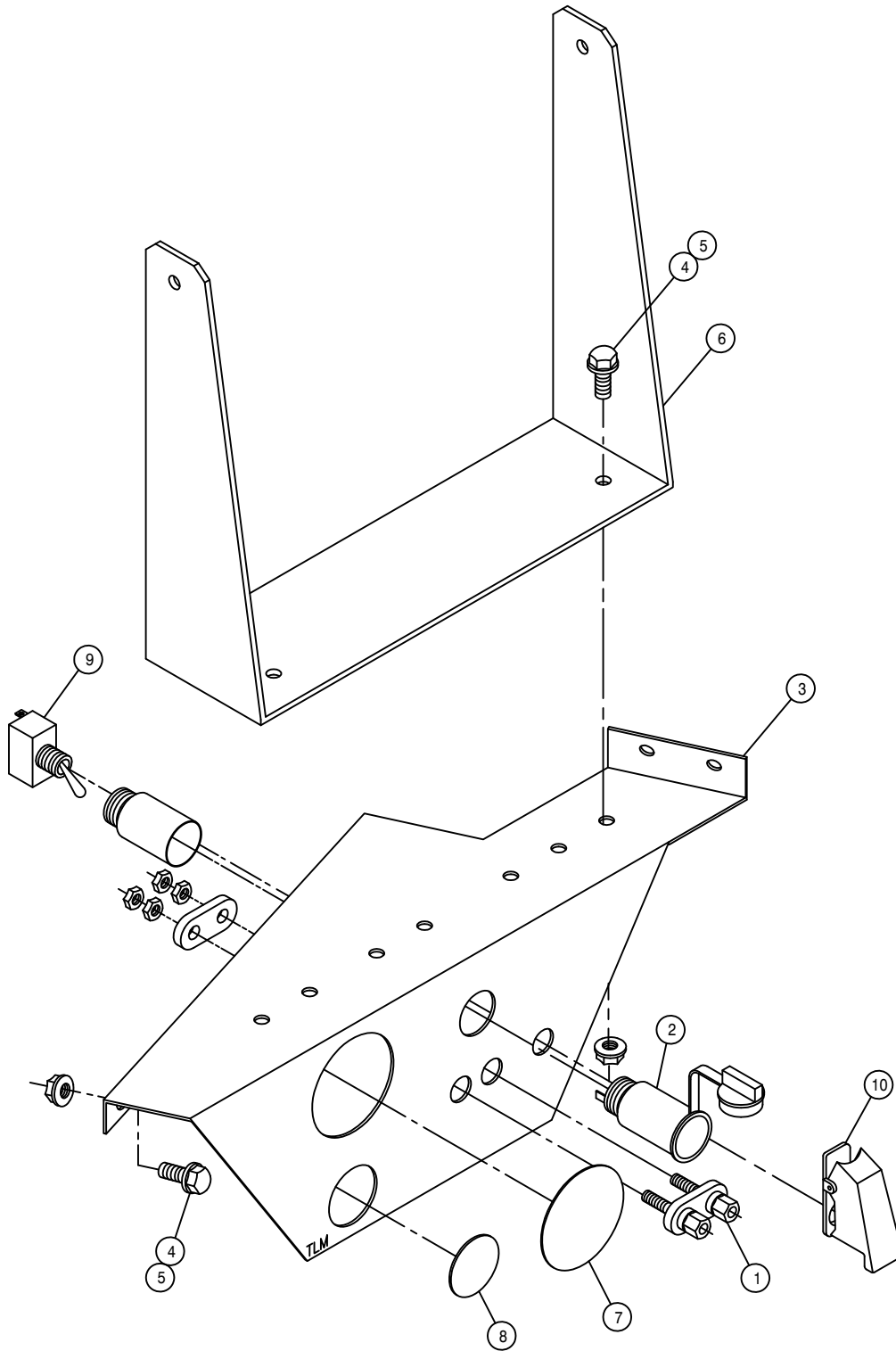




SEAT ASSEMBLY

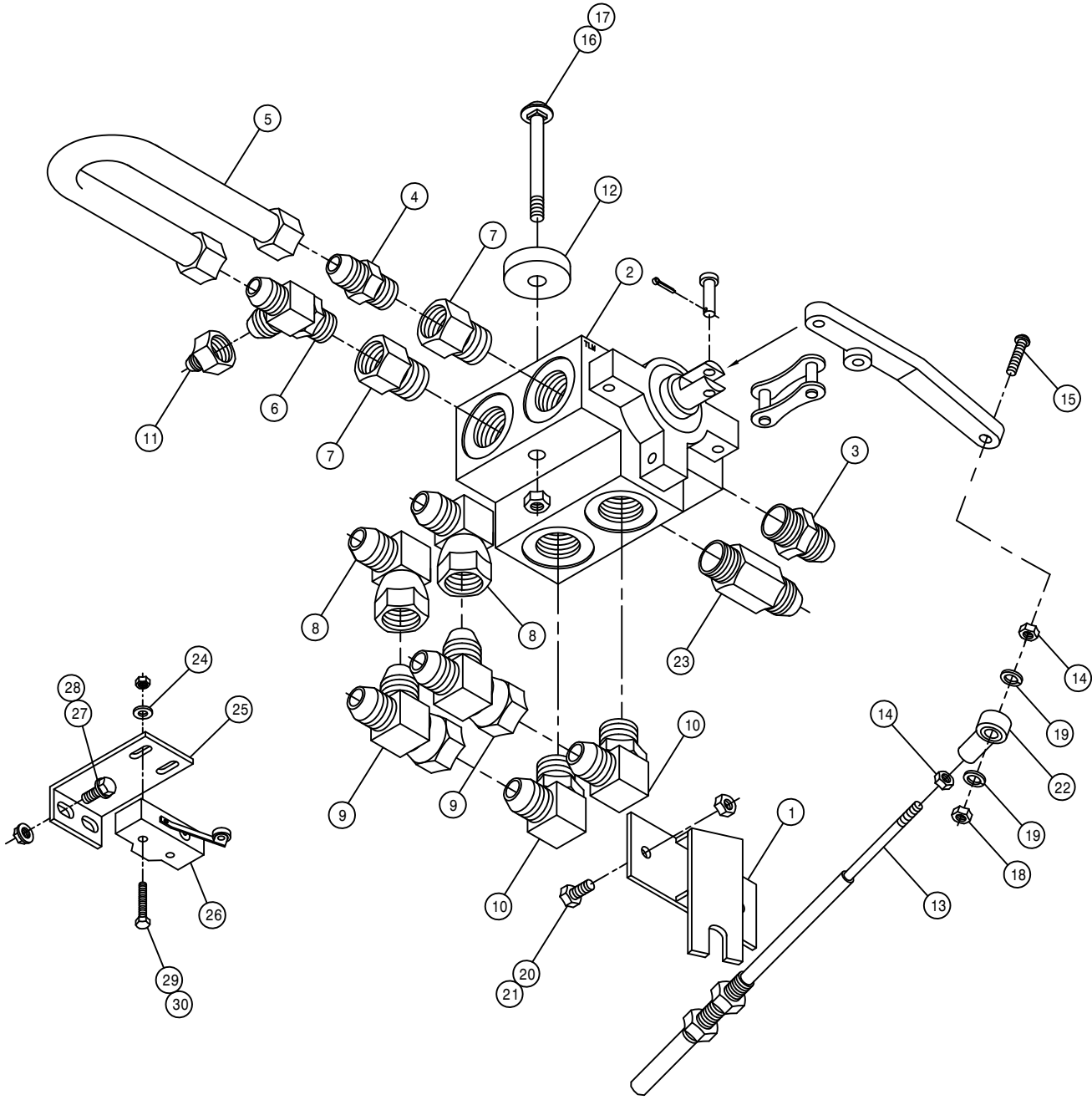
DET. QTY PART NO. DESCRIPTION

DET.	QTY	PART NO.	DESCRIPTION
1	1	330022	SEAT, MAGNUM-100 AIR SUSPEND95
2	1	342090	SEAT MT WELD, 254/284 95
3	4	900129	3/8UNC X 1" HEX BOLT
4	4	914002	5/16UNC HEX STOVER NUT
5	4	914004	3/8UNC HEX STOVER NUT
6	1	330024	HEIGHT ADJ LATCH, SEAT 330022
7	1	330025	ADJ LATCH SPRING, SEAT 330022
8	1	330023	AIR BAG PKG, SEAT 330022



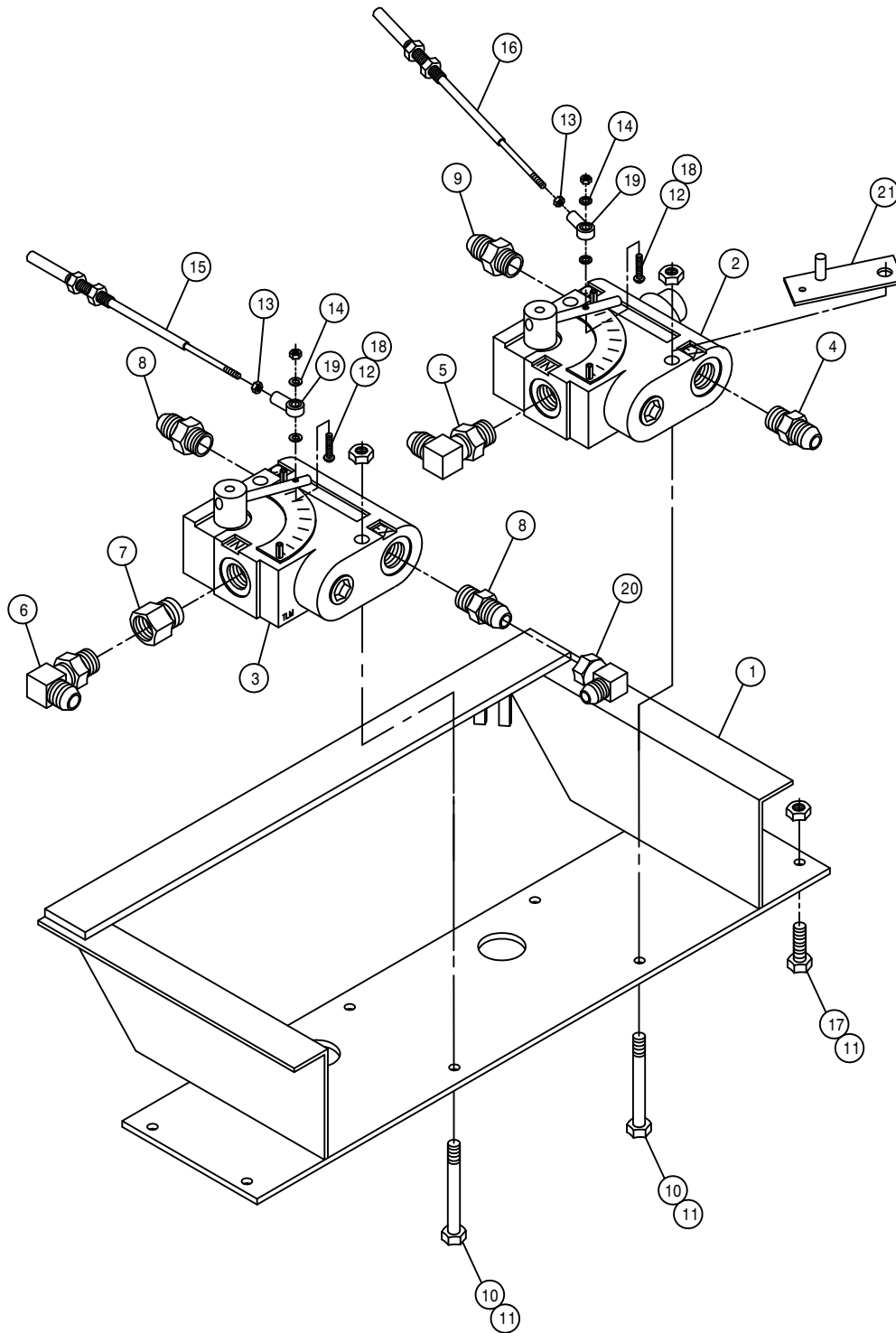
MONITOR MOUNTING BRACKET ASSEMBLY

DET.	QTY	PART NO.	DESCRIPTION
	1	291647	DUAL BINDING POSTS
	1	291648	POWER POINT RECEPTACLE
	1	342215	MONITOR MT, 284 CAB 94
	6	470121	1/4UNC HEX FLANGE LOCK NUT
	6	470122	1/4UNC X 1/2 FLANGE HEX BOLT
	1	690498	CONSOLE MT, RAVEN 460 95
	1	629728	FINISH PLUG FOR 2.12 HOLE
	1	629730	FINISH PLUG FOR 1.25 HOLE
	1	298012	TOGGLE SWITCH
	1	291655	AIRCRAFT TOGGLE SWITCH GUARD



FOUR-WHEEL DRIVE SELECTOR VALVE ASSEMBLY

DET.	QTY	PART NO.	DESCRIPTION
			89
1	1	341861	FWD CABLE MT WLD 280
2	1	606003	GRESEN SELECTOR VALVE DS-12
3	1	611127	1 1/16MJIC-1 1/16MOR ADPTR
4	1	611126	7/8MJIC-7/8MOR ADPTR
5	1	614198	FWD VALVE U-TUBE ASSY
6	1	618130	7/8MOR RUN TEE-7/8MJIC
7	2	618132	1 1/16MOR-7/8FOR ADPTR
8	2	618301	7/8MJIC-90-7/8FJIC SWIV LBO
9	2	618333	7/8FJIC SW RUN TEE-7/8MJIC
10	2	618535	7/8MJIC-90-1 1/16MOR LBO
11	1	618557	7/8FJIC-9/16MJIC ADPTR
12	2	748501	RUBBER WASH .38 X .406 X 1.50
13	1	785065	CTRL CABLE 10-32 4IN X 68 LG
14	2	910027	10-32 HEX NUT
15	1	903893	10-32 X 1" SLT RD HD MACH SCR
16	2	901136	3/8UNC X 3" CARR BOLT
17	2	914004	3/8UNC HEX STOVER NUT
18	1	914027	10-32 HEX STOVER NUT
19	2	920510	#10 LOCK WASHER
20	2	470118	1/4UNC X 3/4 FLANGE HEX BOLT
21	2	470121	1/4UNC HEX FLANGE LOCK NUT
22	1	473921	BALL JOINT NO 10-32 THD
23	1	607526	FLOW CTRL VALVE,28GPM IN-LINE
24	2	920011	# 6 SAE FLAT WASHER
25	1	291646	TRACT VLV MICRO SWITCH MT
26	1	293006	MICRO SWITCH #BZ-2RL25551-A2
27	2	470118	1/4UNC X 3/4 FLANGE HEX BOLT
28	2	470121	1/4UNC HEX FLANGE LOCK NUT
29	2	473993	6-32 X 1 1/8 HH MACH SCR
30	2	910022	6-32 HEX NUT



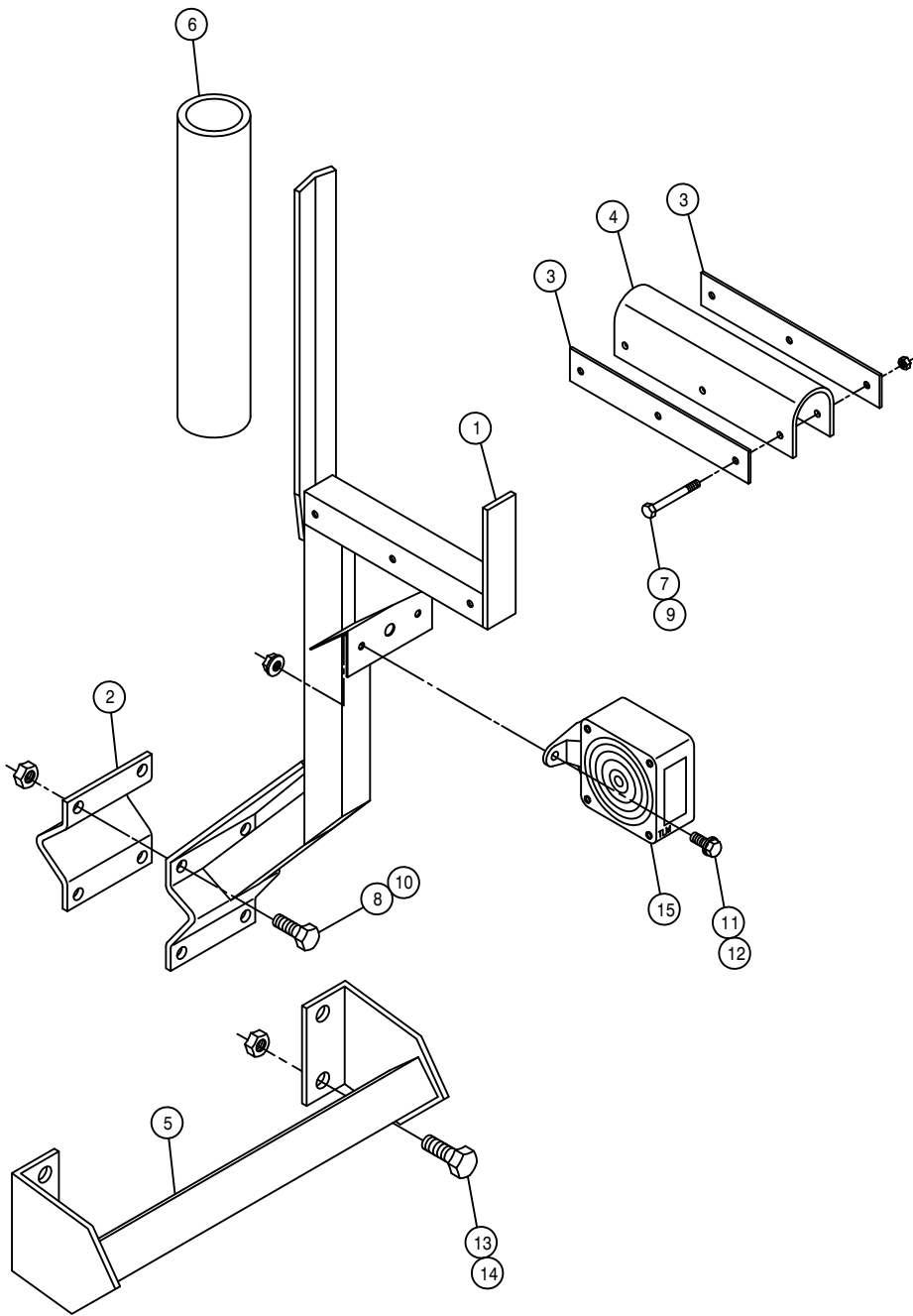
VARIABLE FLOW CONTROL ASSEMBLY

DET. QTY PART NO. DESCRIPTION

1	1	342209	SOLU VFC MT WLD	94
2	1	606818	FLO CONT FCR51 0-16GPM 7/8FOR	
3	1	606827	FLO CONT FC51 0-3 VARI 7/8FOR	
4	1	611126	7/8MJIC-7/8MOR ADPTR	
5	1	611128	7/8MJIC-90-7/8MOR LBO	
6	1	618119	9/16MJIC-90-9/16MOR LBO	
7	1	618172	7/8MOR-9/16FOR ADPTR	
8	2	618310	9/16MJIC-7/8MOR ADPTR	
9	1	618327	3/4MJIC-7/8MOR ADPTR	
10	4	900008	1/4UNC X 2 1/2 HEX BOLT	
11	8	914000	1/4UNC HEX STOVER NUT	
12	2	903893	10-32 X 1" SLT RD HD MACH SCR	
13	2	910027	10-32 HEX NUT	
14	4	920510	#10 LOCK WASHER	
15	1	785064	CTRL CABLE 10-32 2IN X 53 LG	
16	1	785063	CTRL CABLE 10-32 2IN X 42 LG	
17	4	470118	1/4UNC X 3/4 FLANGE HEX BOLT	
18	2	914027	10-32 HEX STOVER NUT	
19	2	473921	BALL JOINT NO 10-32 THD	
20	1	618618	9/16MJIC-90-9/16FJIC SWIV LBO	
21	1	342306	SOLU PUMP VFC STOP WLD,9G 96	

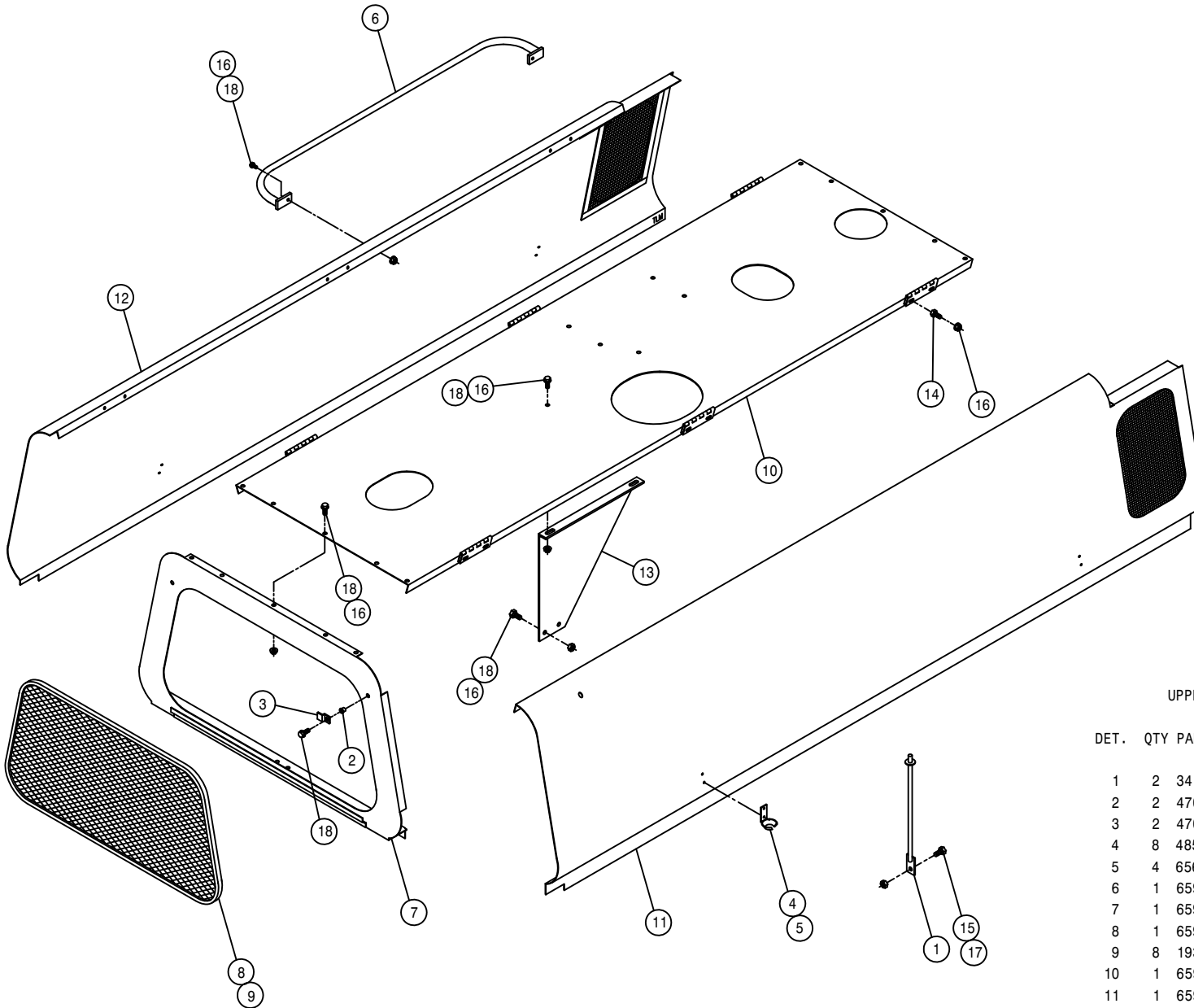
NOTE: DETAIL 21 IS USED WITH THE FLOMAX PUMP ASSEMBLY.





BOOM CRADLE ASSEMBLY

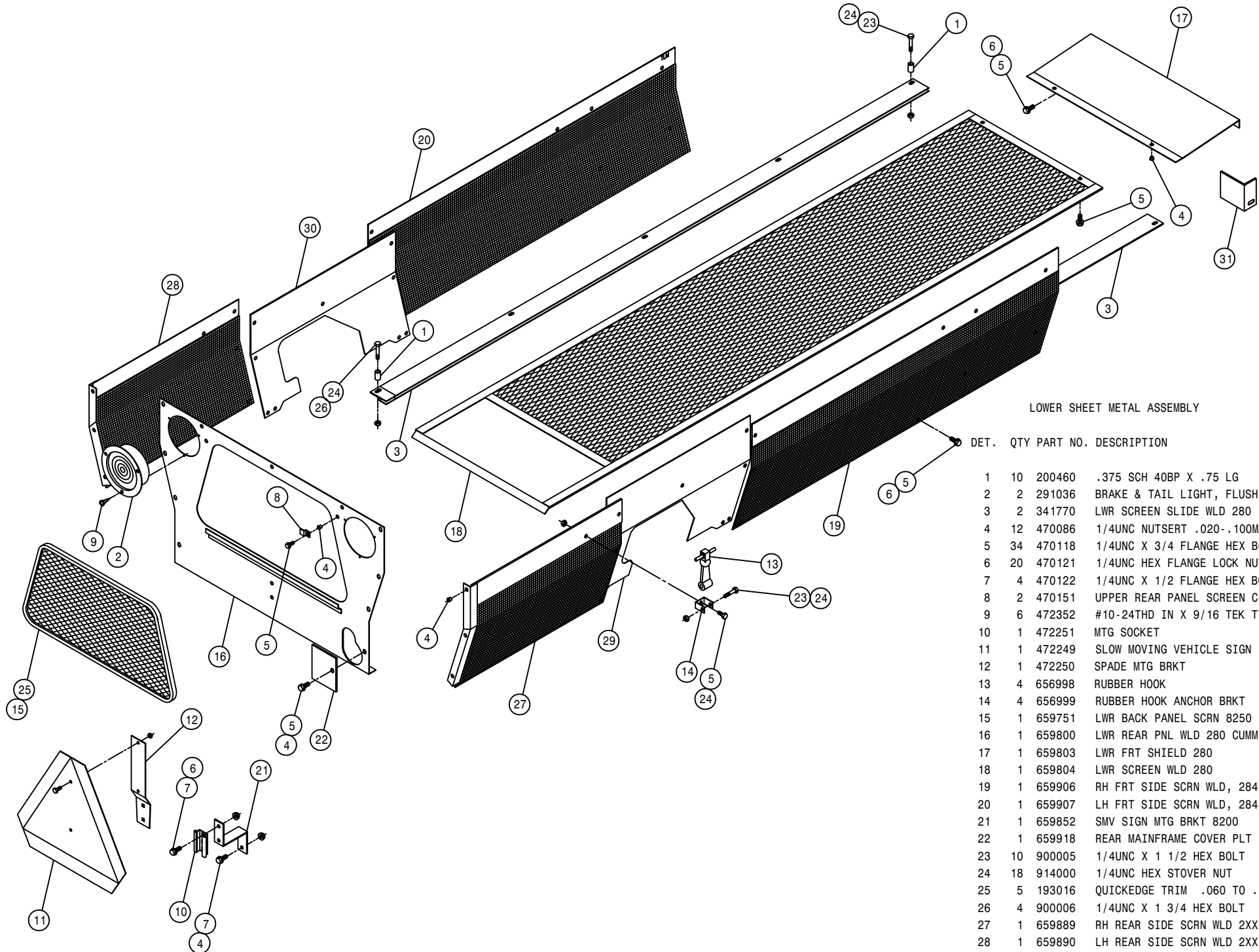
DET.	QTY	PART NO.	DESCRIPTION	
1	1	164245	BOOM CRADLE WLD	96
2	1	164253	BOOM CRADLE V-PLATE KEEPER	96
3	2	164254	CRADLE CUSHION KEEPER	96
4	1	164256	BOOM CRADLE CUSHION	96
5	1	164258	BOOM CRADLE MT WLD	96
6	1	601184	HOSE, 1 1/2 X 14 2BR BLK EPDM	
7	3	900008	1/4UNC X 2 1/2 HEX BOLT	
8	4	900265	1/2UNC X 1 1/2 HEX BOLT	
9	3	914000	1/4UNC HEX STOVER NUT	
10	4	914008	1/2UNC HEX STOVER NUT	
11	2	470121	1/4UNC HEX FLANGE LOCK NUT	
12	2	470118	1/4UNC X 3/4 FLANGE HEX BOLT	
13	4	900334	5/8UNC X 1 3/4 HEX BOLT	
14	4	914010	5/8UNC HEX STOVER NUT	
15	1	291604	TURN SIGNAL LIGHT,PED MT, YEL	



UPPER SHEET METAL ASSEMBLY

DET. QTY PART NO. DESCRIPTION

1	2	341356	ENGINE HOOD PROP WLD 8240 82
2	2	470086	1/4UNC NUTSERT .020-.100MATL
3	2	470151	UPPER REAR PANEL SCREEN CLIP
4	8	485053	POP RIVET 3/16 X 3/8
5	4	656997	RUBBER HOOK BRKT 473
6	1	659378	RH ENG HOOD HANDRAIL WLD 647S
7	1	659575	UPPER REAR PANEL WLD 8240 82
8	1	659578	UPPER REAR PANEL SCREEN 8240
9	8	193016	QUICKEDGE TRIM .060 TO .170
10	1	659927	MULLION WLD, 284 CUMM 97
11	1	659796	RH ENGINE HOOD WLD 280 89
12	1	659797	LH ENGINE HOOD WLD 280 89
13	1	659930	MULLION SUPPORT BRKT, 284 97
14	12	900000	1/4UNC X 1/2 HEX BOLT
15	2	900128	3/8UNC X 3/4 HEX BOLT
16	28	470121	1/4UNC HEX FLANGE LOCK NUT
17	2	914004	3/8UNC HEX STOVER NUT
18	18	470118	1/4UNC X 3/4 FLANGE HEX BOLT



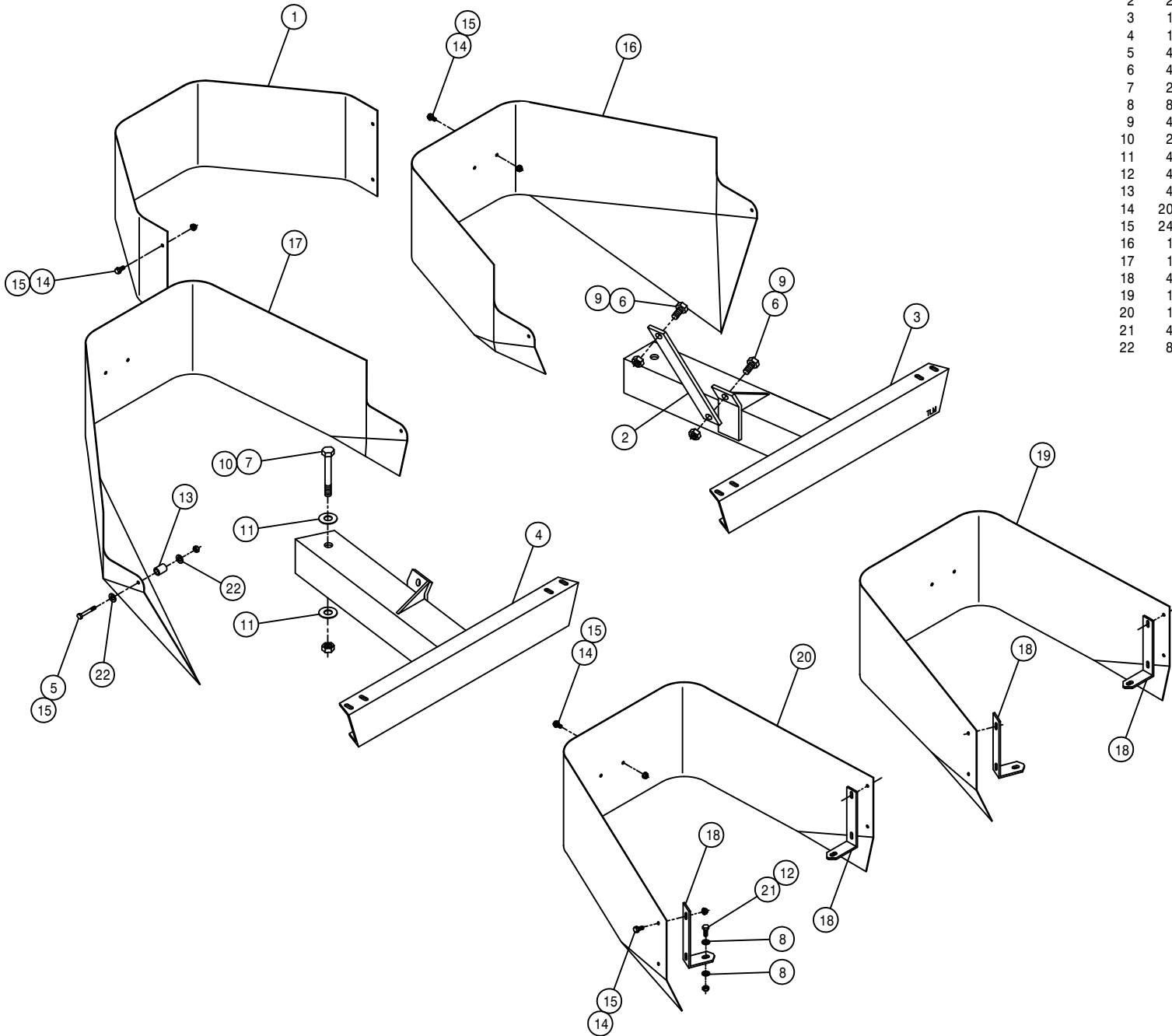
LOWER SHEET METAL ASSEMBLY

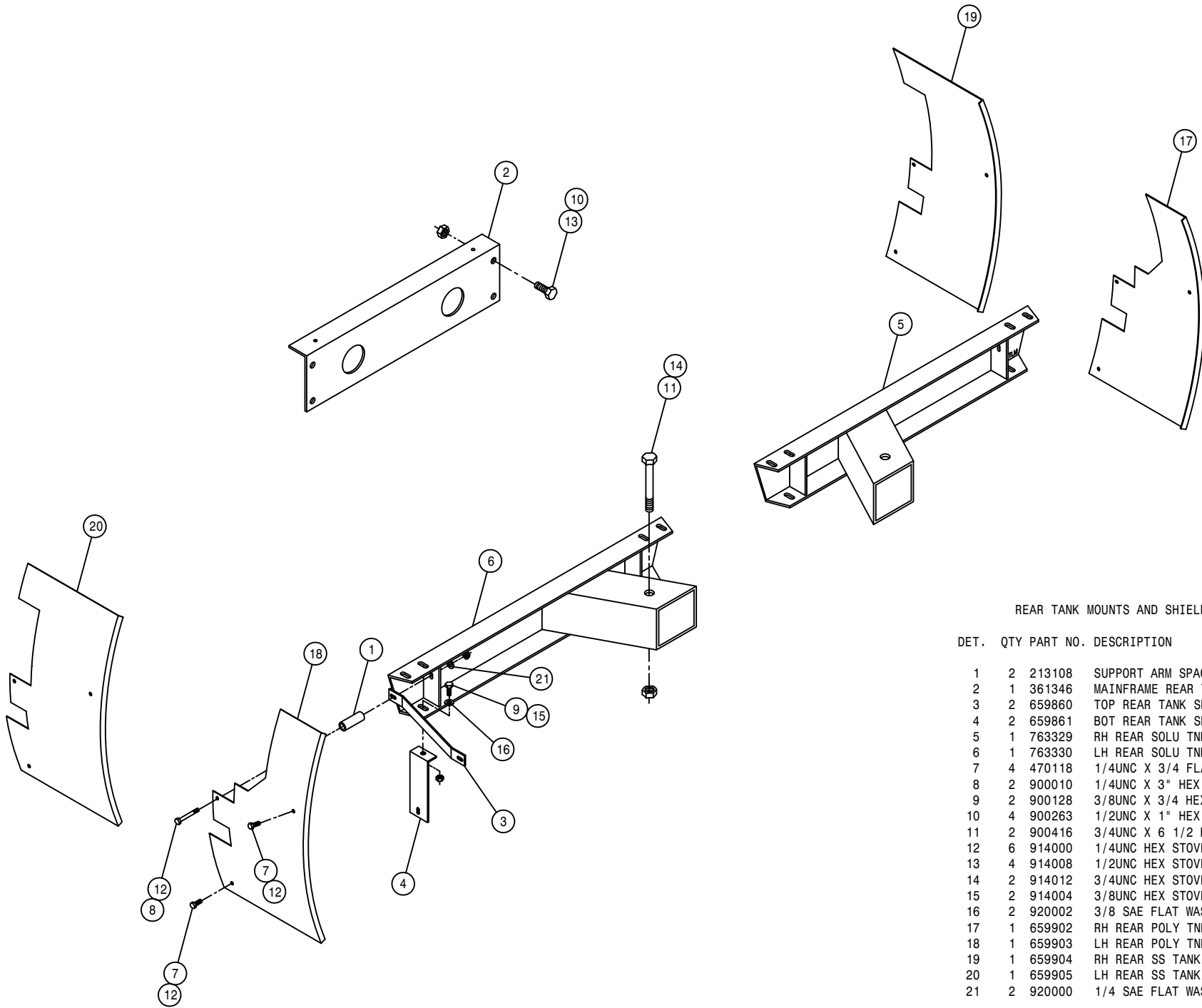
DET.	QTY	PART NO.	DESCRIPTION
	10	200460	.375 SCH 40BP X .75 LG C/L
	2	291036	BRAKE & TAIL LIGHT, FLUSH MT
	2	341770	LWR SCREEN SLIDE WLD 280 89
	12	470086	1/4UNC NUTSERT .020-.100MATL
	34	470118	1/4UNC X 3/4 FLANGE HEX BOLT
	20	470121	1/4UNC HEX FLANGE LOCK NUT
	4	470122	1/4UNC X 1/2 FLANGE HEX BOLT
	2	470151	UPPER REAR PANEL SCREEN CLIP
	6	472352	#10-24THD IN X 9/16 TEK TYP 3
	1	472251	MTG SOCKET
	1	472249	SLOW MOVING VEHICLE SIGN
	1	472250	SPADE MTG BRKT
	4	656998	RUBBER HOOK
	4	656999	RUBBER HOOK ANCHOR BRKT
	1	659751	LWR BACK PANEL SCRNL 8250 86
	1	659800	LWR REAR PNL WLD 280 CUMM 89
	1	659803	LWR FRT SHIELD 280 89
	1	659804	LWR SCREEN WLD 280 89
	1	659906	RH FRT SIDE SCRNL WLD, 284 94
	1	659907	LH FRT SIDE SCRNL WLD, 284 94
	1	659852	SMV SIGN MTG BRKT 8200 89
	1	659918	REAR MAINFRAME COVER PLT 95
	10	900005	1/4UNC X 1 1/2 HEX BOLT
	18	914000	1/4UNC HEX STOVER NUT
	5	193016	QUICKEDGE TRIM .060 TO .170
	4	900006	1/4UNC X 1 3/4 HEX BOLT
	1	659889	RH REAR SIDE SCRNL WLD 2XX 92
	1	659890	LH REAR SIDE SCRNL WLD 2XX 92
	1	659895	RH LWR SIDE SHIELD 200/280 92
	1	659896	LH LWR SIDE SHIELD 200/280 92
	1	659917	FRT MAINFRAME COVER PLT 95

FRONT TANK MOUNTS AND SHIELDS

DET. QTY PART NO. DESCRIPTION

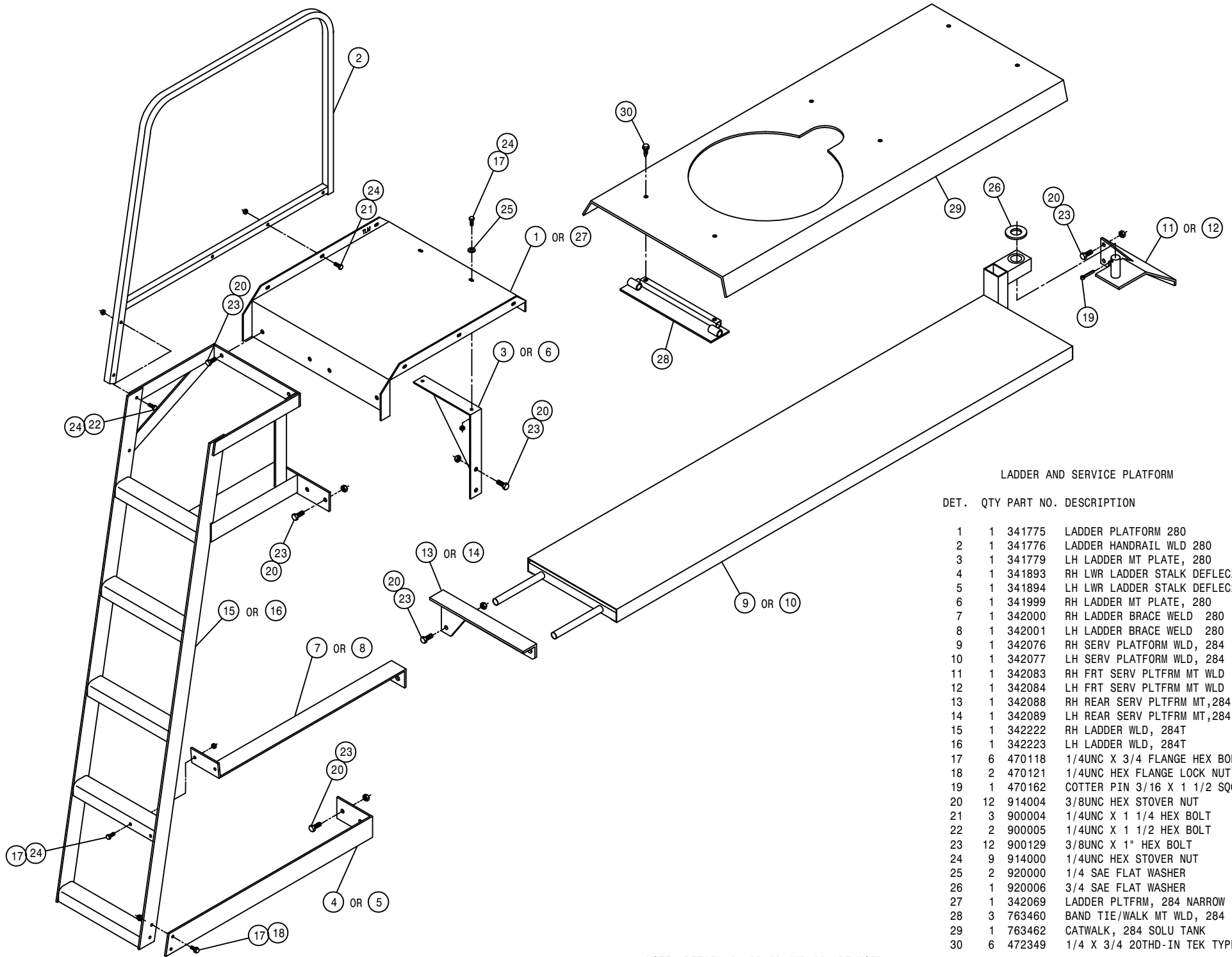
1	1	659831	LWR FRONT SHIELD 280	89
2	2	763453	TANK SUPPORT ARM, 284T	94
3	1	763447	RH FRT SOLU TANK MT WLD284	94
4	1	763448	LH FRT SOLU TANK MT WLD284	94
5	4	900006	1/4UNC X 1 3/4 HEX BOLT	
6	4	900333	5/8UNC X 1 1/2 HEX BOLT	
7	2	900416	3/4UNC X 6 1/2 HEX BOLT	
8	8	920002	3/8 SAE FLAT WASHER	
9	4	914010	5/8UNC HEX STOVER NUT	
10	2	914012	3/4UNC HEX STOVER NUT	
11	4	920006	3/4 SAE FLAT WASHER	
12	4	914004	3/8UNC HEX STOVER NUT	
13	4	160621	SPRING TIGHTENER HOOK BUSH	
14	20	470118	1/4UNC X 3/4 FLANGE HEX BOLT	
15	24	470121	1/4UNC HEX FLANGE LOCK NUT	
16	1	659856	RH FRT POLY TANK SHLD WLD 280	
17	1	659857	LH FRT POLY TANK SHLD WLD 280	
18	4	659834	FRT LEG SHIELD MTG BRKT280	89
19	1	659854	RH FRT SS TANK SHIELD 280	90
20	1	659855	LH FRT SS TANK SHIELD 280	90
21	4	900130	3/8UNC X 1 1/4 HEX BOLT	
22	8	920000	1/4 SAE FLAT WASHER	





REAR TANK MOUNTS AND SHIELDS

DET.	QTY	PART NO.	DESCRIPTION
1	2	213108	SUPPORT ARM SPACER
2	1	361346	MAINFRAME REAR TIE ANGLE 280
3	2	659860	TOP REAR TANK SHLD BRKT280 90
4	2	659861	BOT REAR TANK SHLD BRKT280 90
5	1	763329	RH REAR SOLU TNK MT WLD280 90
6	1	763330	LH REAR SOLU TNK MT WLD280 90
7	4	470118	1/4UNC X 3/4 FLANGE HEX BOLT
8	2	900010	1/4UNC X 3" HEX BOLT
9	2	900128	3/8UNC X 3/4 HEX BOLT
10	4	900263	1/2UNC X 1" HEX BOLT
11	2	900416	3/4UNC X 6 1/2 HEX BOLT
12	6	914000	1/4UNC HEX STOVER NUT
13	4	914008	1/2UNC HEX STOVER NUT
14	2	914012	3/4UNC HEX STOVER NUT
15	2	914004	3/8UNC HEX STOVER NUT
16	2	920002	3/8 SAE FLAT WASHER
17	1	659902	RH REAR POLY TNK SHIELD284 94
18	1	659903	LH REAR POLY TNK SHIELD284 94
19	1	659904	RH REAR SS TANK SHIELD 284 94
20	1	659905	LH REAR SS TANK SHIELD 284 94
21	2	920000	1/4 SAE FLAT WASHER



LADDER AND SERVICE PLATFORM

DET.	QTY	PART NO.	DESCRIPTION	
	1	341775	LADDER PLATFORM 280	89
	1	341776	LADDER HANDRAIL WLD 280	89
	1	341779	LH LADDER MT PLATE, 280	89
	4	341893	RH LWR LADDER STALK DEFLEC280	
	5	341894	LH LWR LADDER STALK DEFLEC280	
	6	341999	RH LADDER MT PLATE, 280	89
	7	342000	RH LADDER BRACE WELD 280	92
	8	342001	LH LADDER BRACE WELD 280	92
	9	342076	RH SERV PLATFORM WLD, 284	95
	10	342077	LH SERV PLATFORM WLD, 284	95
	11	342083	RH FRT SERV PLTFRM MT WLD 95	
	12	342084	LH FRT SERV PLTFRM MT WLD 95	
	13	342088	RH REAR SERV PLTFRM MT, 284	95
	14	342089	LH REAR SERV PLTFRM MT, 284	95
	15	342222	RH LADDER WLD, 284T	94
	16	342223	LH LADDER WLD, 284T	94
	17	470118	1/4UNC X 3/4 FLANGE HEX BOLT	
	18	470121	1/4UNC HEX FLANGE LOCK NUT	
	19	470162	COTTER PIN 3/16 X 1 1/2 SQCUT	
	20	914004	3/8UNC HEX STOVER NUT	
	21	900004	1/4UNC X 1 1/4 HEX BOLT	
	22	900005	1/4UNC X 1 1/2 HEX BOLT	
	23	900129	3/8UNC X 1" HEX BOLT	
	24	914000	1/4UNC HEX STOVER NUT	
	25	920000	1/4 SAE FLAT WASHER	
	26	920006	3/4 SAE FLAT WASHER	
	27	342069	LADDER PLTFRM, 284 NARROW	94
	28	763460	BAND TIE/WALK MT WLD, 284	95
	29	763462	CATWALK, 284 SOLU TANK	95
	30	472349	1/4 X 3/4 20THD-IN TEK TYPE	

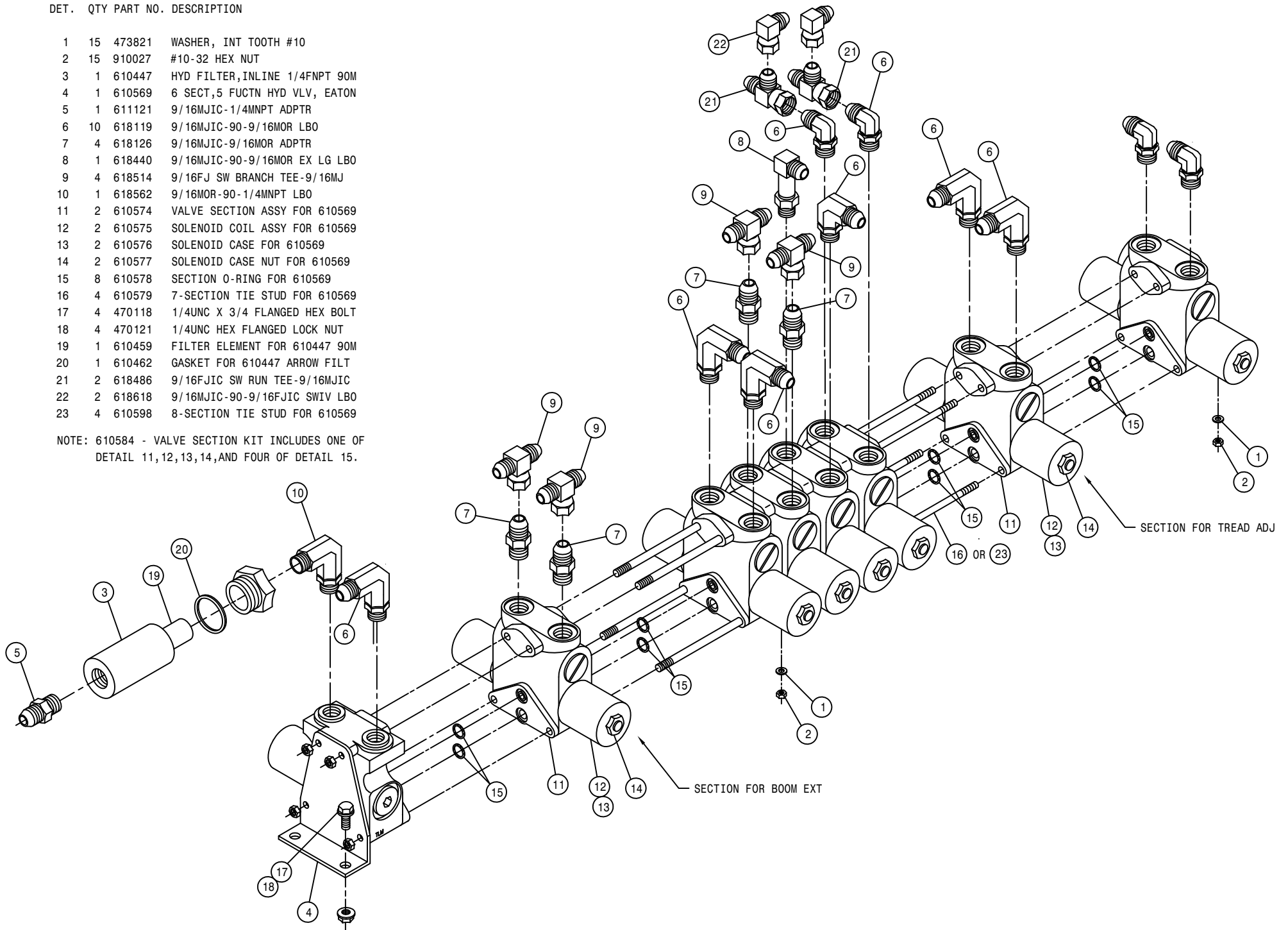
NOTE: DETAIL 27,28,29 AND 30 ARE USED WITH THE NARROW TREAD OPTION.

ELECTRIC BOOM VALVE ASSEMBLY

DET. QTY PART NO. DESCRIPTION

1	15	473821	WASHER, INT TOOTH #10
2	15	910027	#10-32 HEX NUT
3	1	610447	HYD FILTER, INLINE 1/4FNPT 90M
4	1	610569	6 SECT, 5 FUCTN HYD VLV, EATON
5	1	611121	9/16MJIC-1/4MNPT ADPTR
6	10	618119	9/16MJIC-90-9/16MOR LBO
7	4	618126	9/16MJIC-9/16MOR ADPTR
8	1	618440	9/16MJIC-90-9/16MOR EX LG LBO
9	4	618514	9/16FJ SW BRANCH TEE-9/16MJ
10	1	618562	9/16MOR-90-1/4MNPT LBO
11	2	610574	VALVE SECTION ASSY FOR 610569
12	2	610575	SOLENOID COIL ASSY FOR 610569
13	2	610576	SOLENOID CASE FOR 610569
14	2	610577	SOLENOID CASE NUT FOR 610569
15	8	610578	SECTION O-RING FOR 610569
16	4	610579	7-SECTION TIE STUD FOR 610569
17	4	470118	1/4UNC X 3/4 FLANGED HEX BOLT
18	4	470121	1/4UNC HEX FLANGED LOCK NUT
19	1	610459	FILTER ELEMENT FOR 610447 90M
20	1	610462	GASKET FOR 610447 ARROW FILT
21	2	618486	9/16FJIC SW RUN TEE-9/16MJIC
22	2	618618	9/16MJIC-90-9/16FJIC SWIV LBO
23	4	610598	8-SECTION TIE STUD FOR 610569

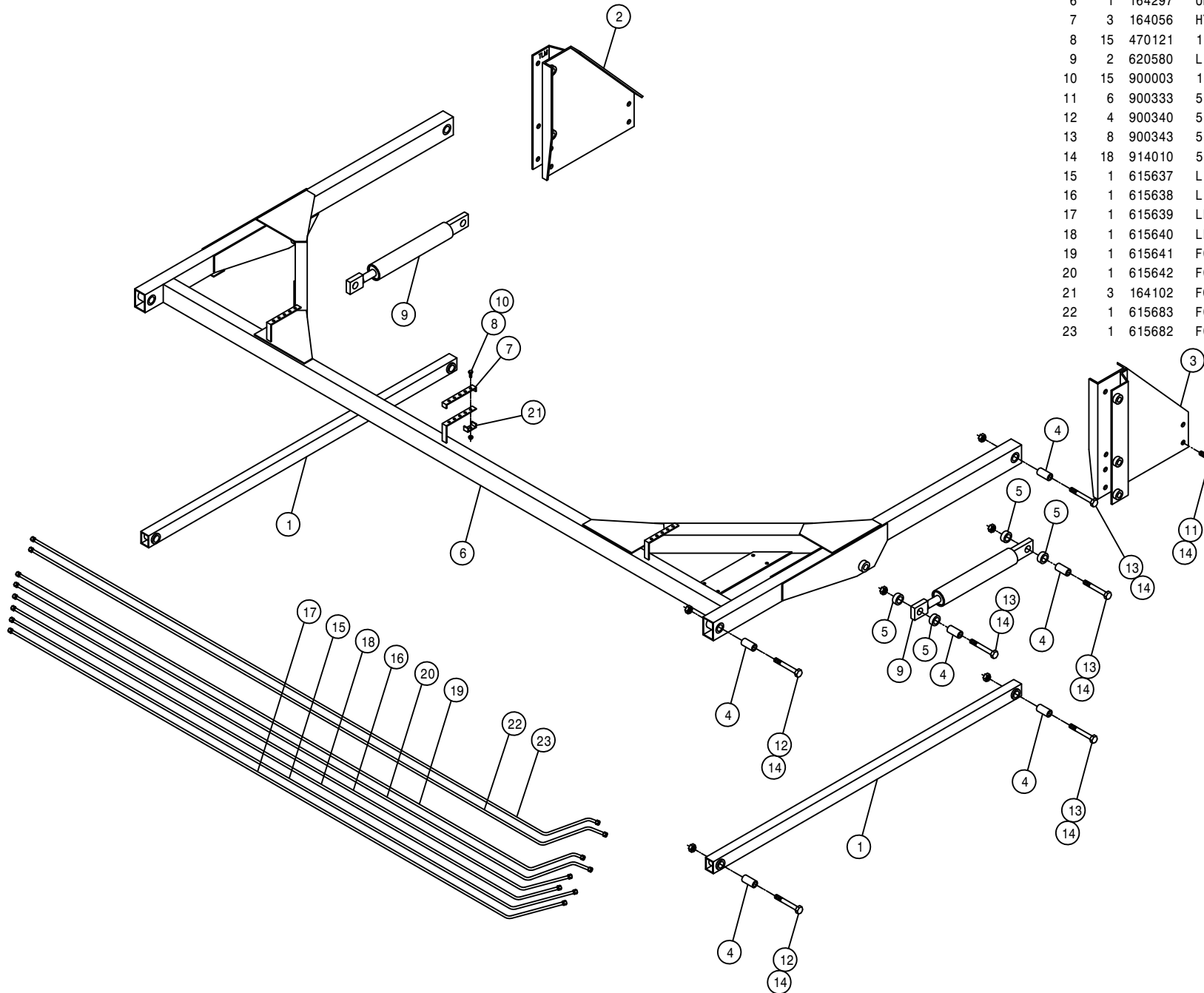
NOTE: 610584 - VALVE SECTION KIT INCLUDES ONE OF  
DETAIL 11, 12, 13, 14, AND FOUR OF DETAIL 15.



LIFTARM ASSEMBLY

DET. QTY PART NO. DESCRIPTION

DET.	QTY	PART NO.	DESCRIPTION
1	2	160471	LWR LIFT ARM WLD 8540-8250 87
2	1	160495	RH LIFT ARM MT WLD 280 89
3	1	160496	LH LIFT ARM MT WLD 280 89
4	12	160691	BUSH LIFT ARM LONG 470
5	8	160921	BUSHING, CYL MT-LIFT ARMS5/8
6	1	164297	UPPER LIFT ARM WLD, 284 97
7	3	164056	HYD TUBE KPR, UPR LIFT ARM 94
8	15	470121	1/4UNC HEX FLANGE LOCK NUT
9	2	620580	LIFT CYL ASSY W/FTGS 96
10	15	900003	1/4UNC X 1" HEX BOLT
11	6	900333	5/8UNC X 1 1/2 HEX BOLT
12	4	900340	5/8UNC X 3 1/2 HEX BOLT
13	8	900343	5/8UNC X 4 1/2 HEX BOLT
14	18	914010	5/8UNC HEX STOVER NUT
15	1	615637	LIFT HYD TUBE ASSY,UP 254/284
16	1	615638	LIFT HYD TUBE ASSY,DN 254/284
17	1	615639	LEVEL HYD TUBE ASSY,UP254/284
18	1	615640	LEVEL HYD TUBE ASSY,DN254/284
19	1	615641	FOLD HYD TUBE ASSY,IN 254/284
20	1	615642	FOLD HYD TUBE ASSY,OUT254/284
21	3	164102	FOLD BOOM HYD TUBE KPR 96
22	1	615683	FOLD BOOM HYD TUBE ASSY, OUT
23	1	615682	FOLD BOOM HYD TUBE ASSY, IN

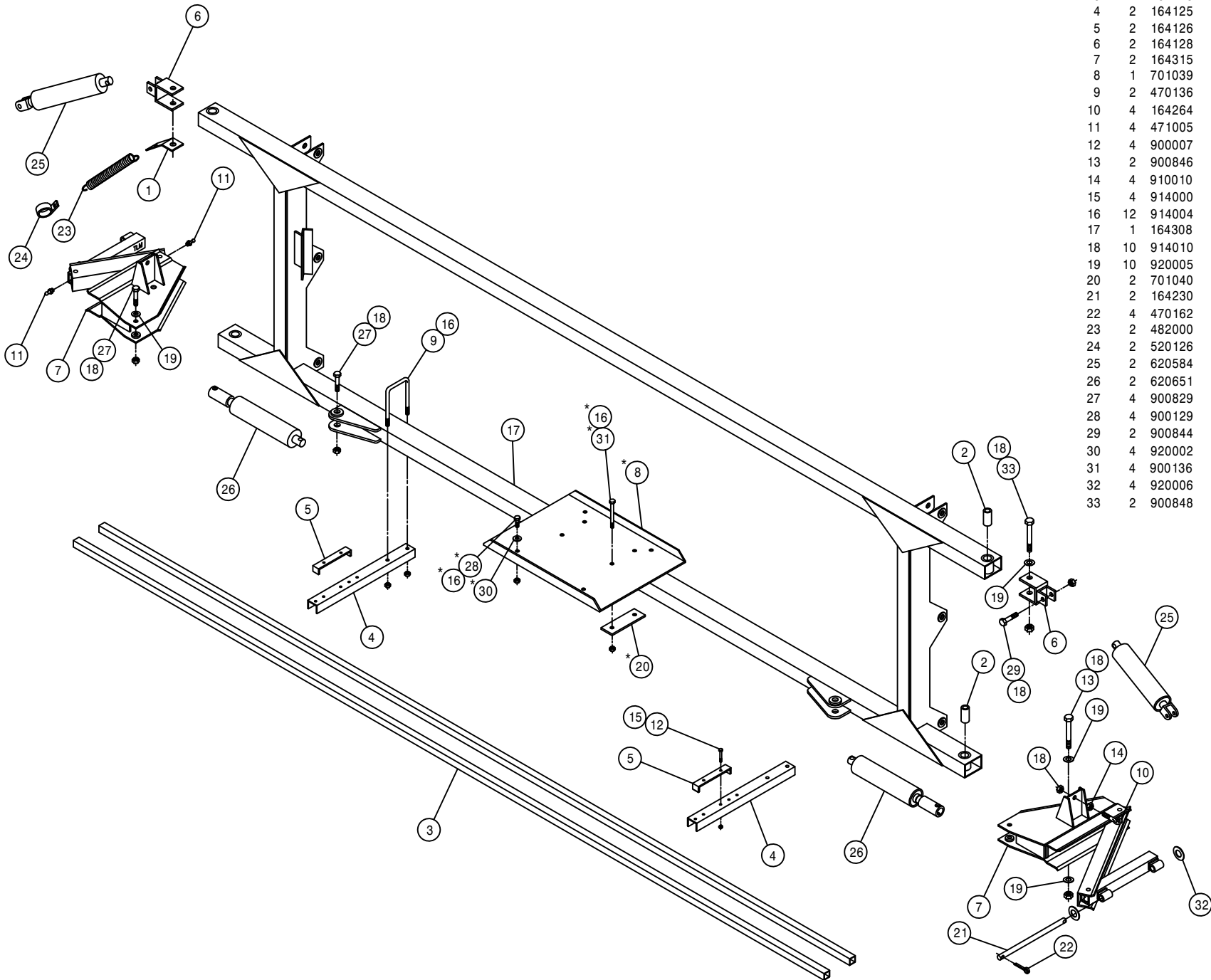


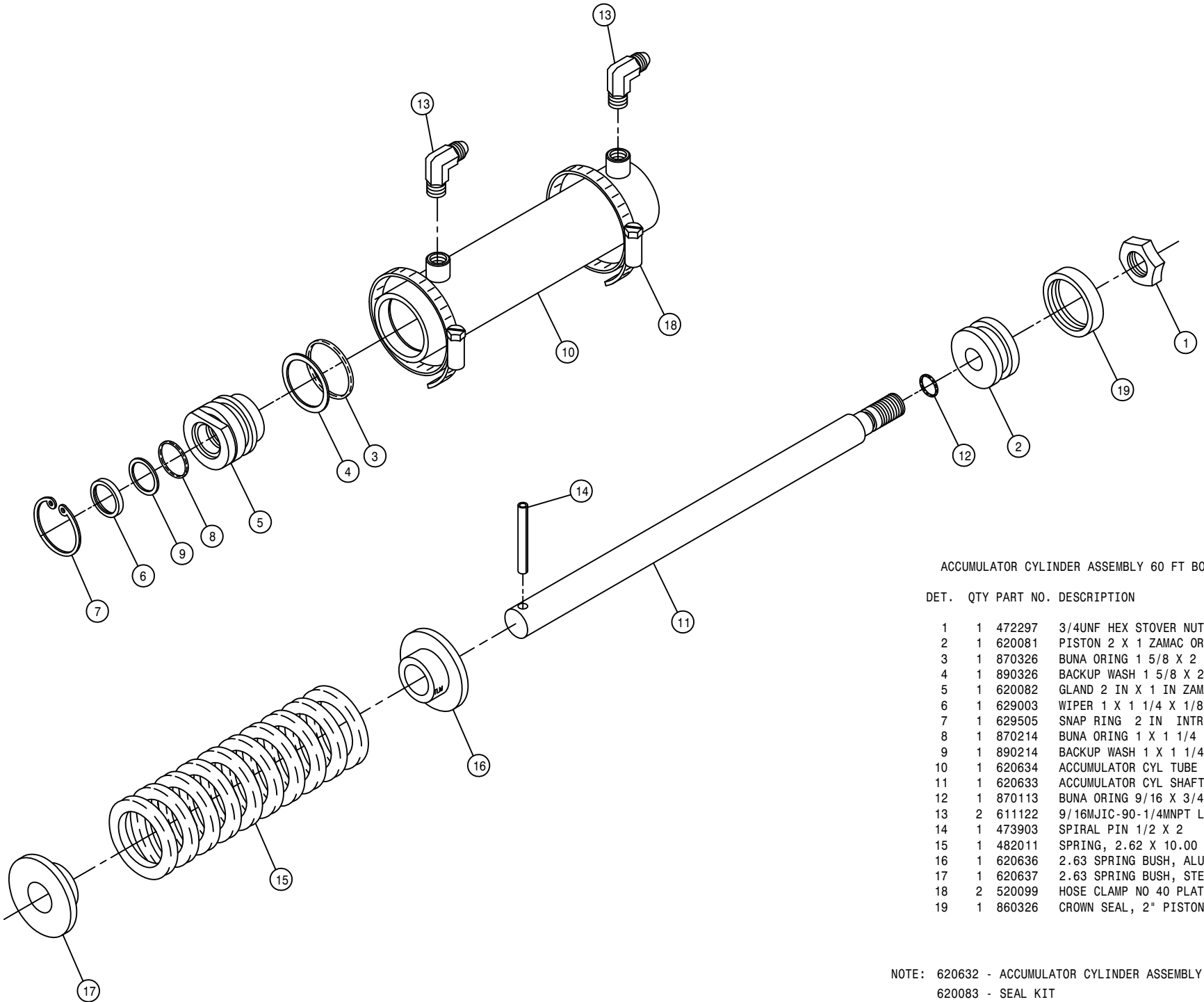


TRANSOM ASSEMBLY

NOTE: DETAILS MARKED WITH A (\*) ARE USED WITH THE FOAM MARKER OPTION.

DET.	QTY	PART NO.	DESCRIPTION
1	2	160429	FEEDER HOSE SUPPORT SPRING MT
2	4	160691	BUSH LIFT ARM LONG 470
3	2	164123	NOZL MT TUBE, 254/284 96
4	2	164125	NOZL MT TUBE HANGER CHAN 96
5	2	164126	NOZL MT TUBE CLAMP 254/284 96
6	2	164128	LEVEL CYL PIVOT BRKT WLD 96
7	2	164315	BOOM BREAKAWAY WLD 97
8	1	701039	FOAM MARKER BASE CHAN, TRANSOM
9	2	470136	3/8UNC-3 1/16ID-3 SQ U-BOLT
10	4	164264	5/8UNC X 3" EYE BOLT
11	4	471005	1/4 28 X 1/2 GREASE ZERK
12	4	900007	1/4UNC X 2" HEX BOLT
13	2	900846	5/8UNC X 4 1/4 HEX BOLT GR8
14	4	910010	5/8UNC HEX NUT
15	4	914000	1/4UNC HEX STOVER NUT
16	12	914004	3/8UNC HEX STOVER NUT
17	1	164308	TRANSOM WLD, 284 97
18	10	914010	5/8UNC HEX STOVER NUT
19	10	920005	5/8 SAE FLAT WASHER
20	2	701040	FOAM MARKER BASE KPR, TRANSOM
21	2	164230	BOOM PIVOT PIN, .75 X 13.31 96
22	4	470162	COTTER PIN 3/16 X 1 1/2 SQCUT
23	2	482000	SPRING, .930D X 8.5LG, .072WIRE
24	2	520126	CUSH HOSE CLAMP 2IN X 5/8W
25	2	620584	LEVEL CYL ASSY W/FTGS 96
26	2	620651	FOLD CYL ASSY W/FTGS 97
27	4	900829	5/8UNC X 4" HEX BOLT GR8
28	4	900129	3/8UNC X 1" HEX BOLT
29	2	900844	5/8UNC X 2 3/4 HEX BOLT GR8
30	4	920002	3/8 SAE FLAT WASHER
31	4	900136	3/8UNC X 3" HEX BOLT
32	4	920006	3/4 SAE FLAT WASHER
33	2	900848	5/8 X 4 3/4 HEX BOLT GR8

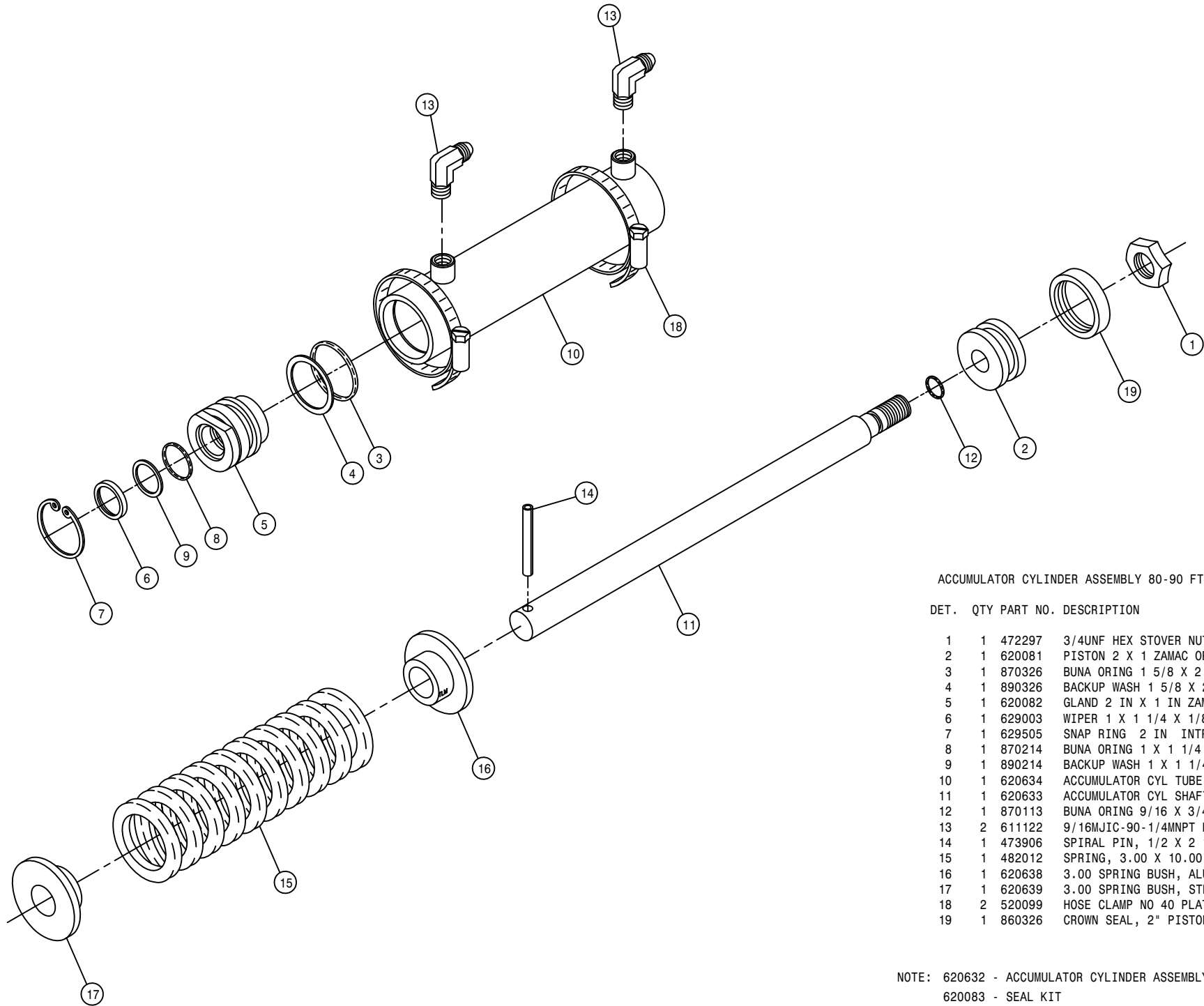




ACCUMULATOR CYLINDER ASSEMBLY 60 FT BOOM

DET.	QTY	PART NO.	DESCRIPTION
1	1	472297	3/4UNF HEX STOVER NUT THIN
2	1	620081	PISTON 2 X 1 ZAMAC ORING TYPE
3	1	870326	BUNA ORING 1 5/8 X 2
4	1	890326	BACKUP WASH 1 5/8 X 2 LEATH
5	1	620082	GLAND 2 IN X 1 IN ZAMAC
6	1	629003	WIPER 1 X 1 1/4 X 1/8
7	1	629505	SNAP RING 2 IN INTRN
8	1	870214	BUNA ORING 1 X 1 1/4
9	1	890214	BACKUP WASH 1 X 1 1/4 HT2022
10	1	620634	ACCUMULATOR CYL TUBE WLD 96
11	1	620633	ACCUMULATOR CYL SHAFT 96
12	1	870113	BUNA ORING 9/16 X 3/4
13	2	611122	9/16MJIC-90-1/4MNPT LBO
14	1	473903	SPIRAL PIN 1/2 X 2 640
15	1	482011	SPRING, 2.62 X 10.00 COMPRSN
16	1	620636	2.63 SPRING BUSH, ALUM 96
17	1	620637	2.63 SPRING BUSH, STEEL 96
18	2	520099	HOSE CLAMP NO 40 PLATED
19	1	860326	CROWN SEAL, 2" PISTON, HYD

NOTE: 620632 - ACCUMULATOR CYLINDER ASSEMBLY 1-12  
 620083 - SEAL KIT



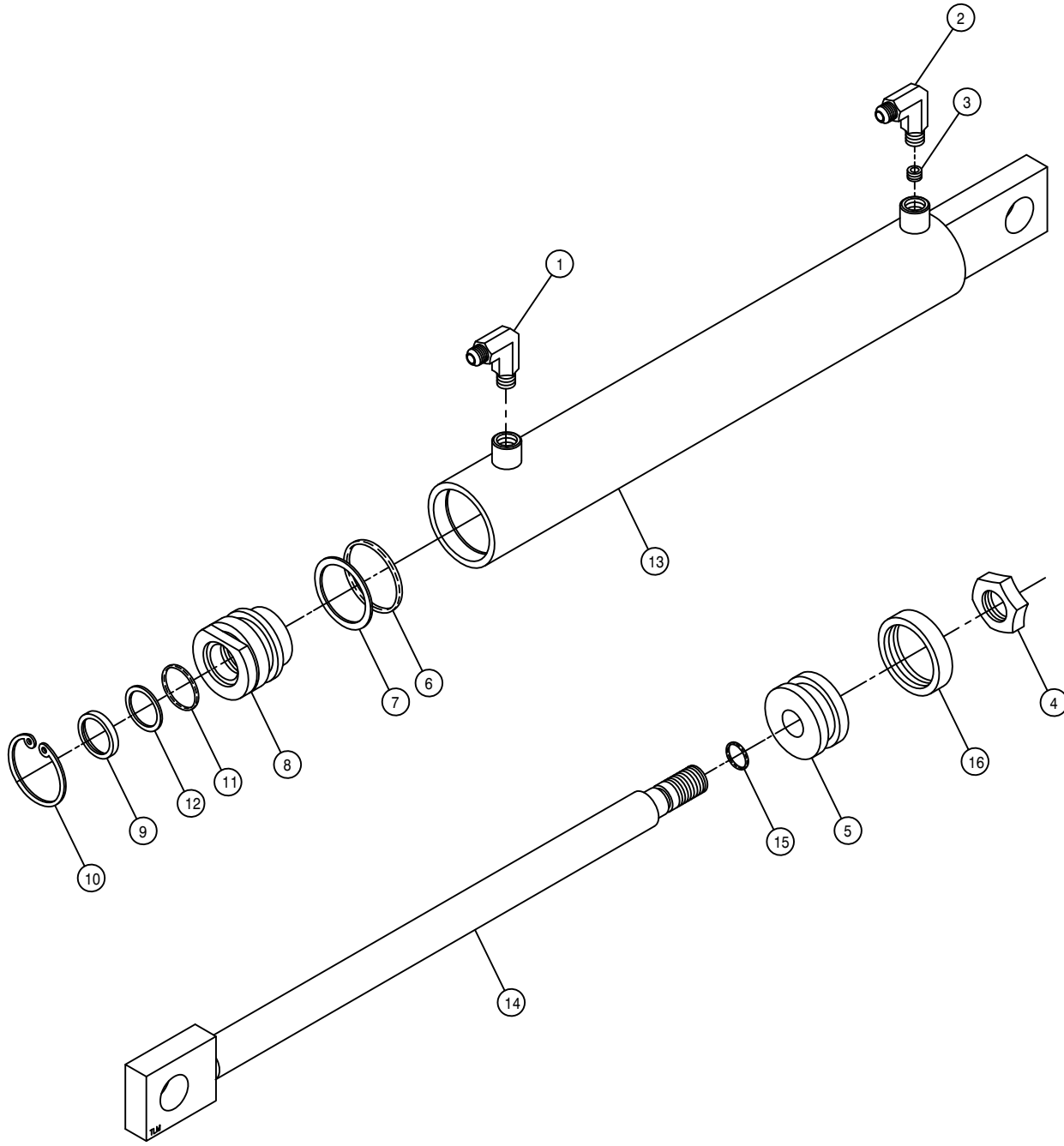
ACCUMULATOR CYLINDER ASSEMBLY 80-90 FT BOOM

DET. QTY PART NO. DESCRIPTION

1	1	472297	3/4UNF HEX STOVER NUT THIN
2	1	620081	PISTON 2 X 1 ZAMAC ORING TYPE
3	1	870326	BUNA ORING 1 5/8 X 2
4	1	890326	BACKUP WASH 1 5/8 X 2 LEATH
5	1	620082	GLAND 2 IN X 1 IN ZAMAC
6	1	629003	WIPER 1 X 1 1/4 X 1/8
7	1	629505	SNAP RING 2 IN INTRN
8	1	870214	BUNA ORING 1 X 1 1/4
9	1	890214	BACKUP WASH 1 X 1 1/4 HT2022
10	1	620634	ACCUMULATOR CYL TUBE WLD 96
11	1	620633	ACCUMULATOR CYL SHAFT 96
12	1	870113	BUNA ORING 9/16 X 3/4
13	2	611122	9/16MJIC-90-1/4MNPT LBO
14	1	473906	SPIRAL PIN, 1/2 X 2 1/2 LG
15	1	482012	SPRING, 3.00 X 10.00 COMPRSN
16	1	620638	3.00 SPRING BUSH, ALUM 96
17	1	620639	3.00 SPRING BUSH, STEEL 96
18	2	520099	HOSE CLAMP NO 40 PLATED
19	1	860326	CROWN SEAL, 2" PISTON, HYD

NOTE: 620632 - ACCUMULATOR CYLINDER ASSEMBLY 1-12

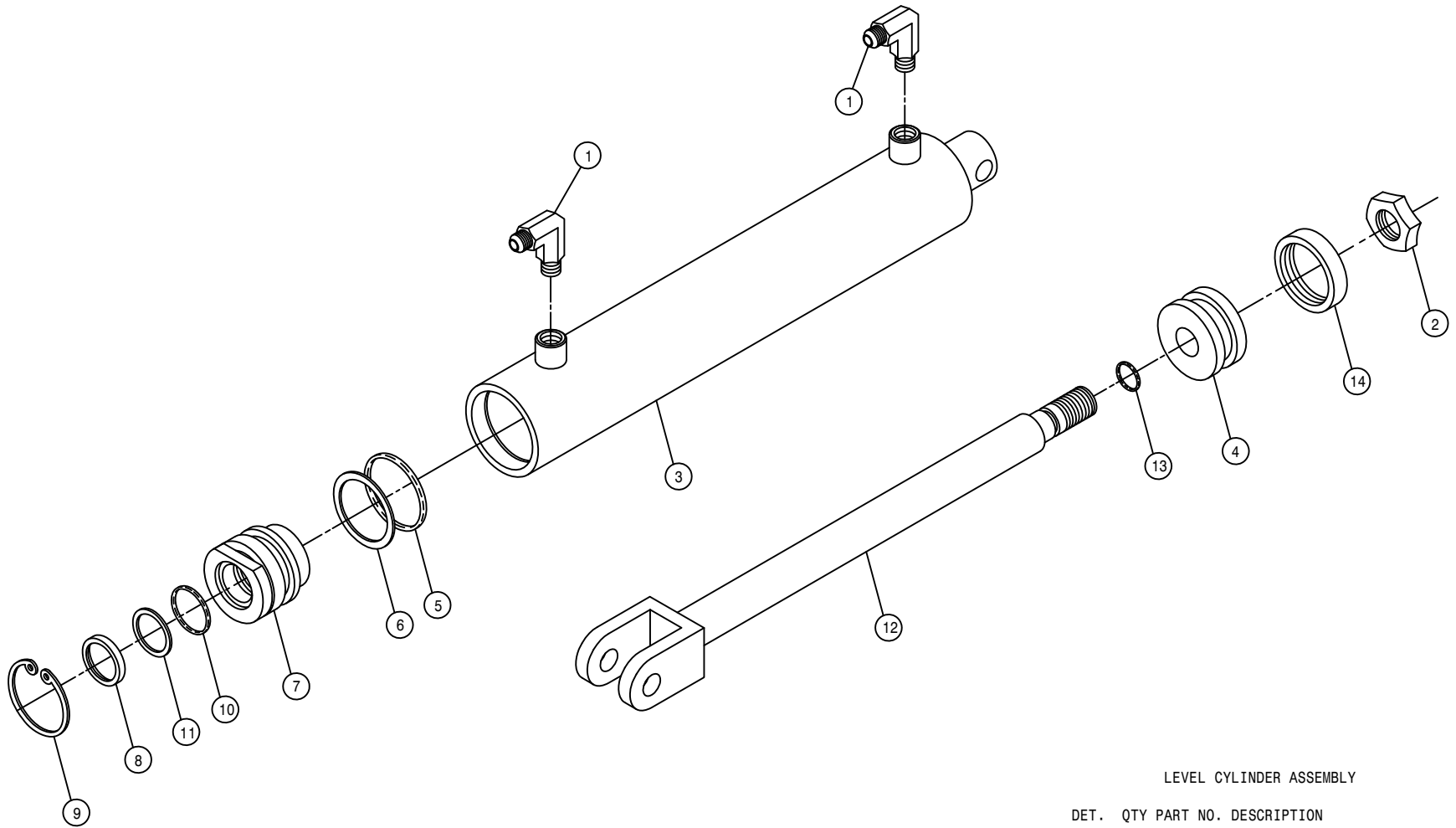
620083 - SEAL KIT



LIFT CYLINDER ASSEMBLY

DET.	QTY	PART NO.	DESCRIPTION
1	1	611122	9/16MJIC-90-1/4MNPT LBO
2	1	440338	9/16 JIC W/90X1/4 NPT TAPPED
3	1	614366	RESTRICTOR SCREW, .042 DIA
4	1	472297	3/4UNF HEX STOVER NUT THIN
5	1	620081	PISTON 2 X 1 ZAMAC ORING TYPE
6	1	870326	BUNA ORING 1 5/8 X 2
7	1	890326	BACKUP WASH 1 5/8 X 2 LEATH
8	1	620126	GLAND 2.00 OD X 1.25 ID, ALUM
9	1	629002	WIPER 1 1/4 X 1 1/2 X 1/8
10	1	629505	SNAP RING 2 IN INTRN
11	1	870218	BUNA ORING 1 1/4 X 1 1/2
12	1	890218	BACKUP WASH1 1/4X1 1/2 HT2022
13	1	620514	LIFT CYL TUBE WLD 94
14	1	620582	LIFT CYL SHAFT WLD HD 96
15	1	870113	BUNA ORING 9/16 X 3/4
16	1	860326	CROWN SEAL, 2" PISTON, HYD

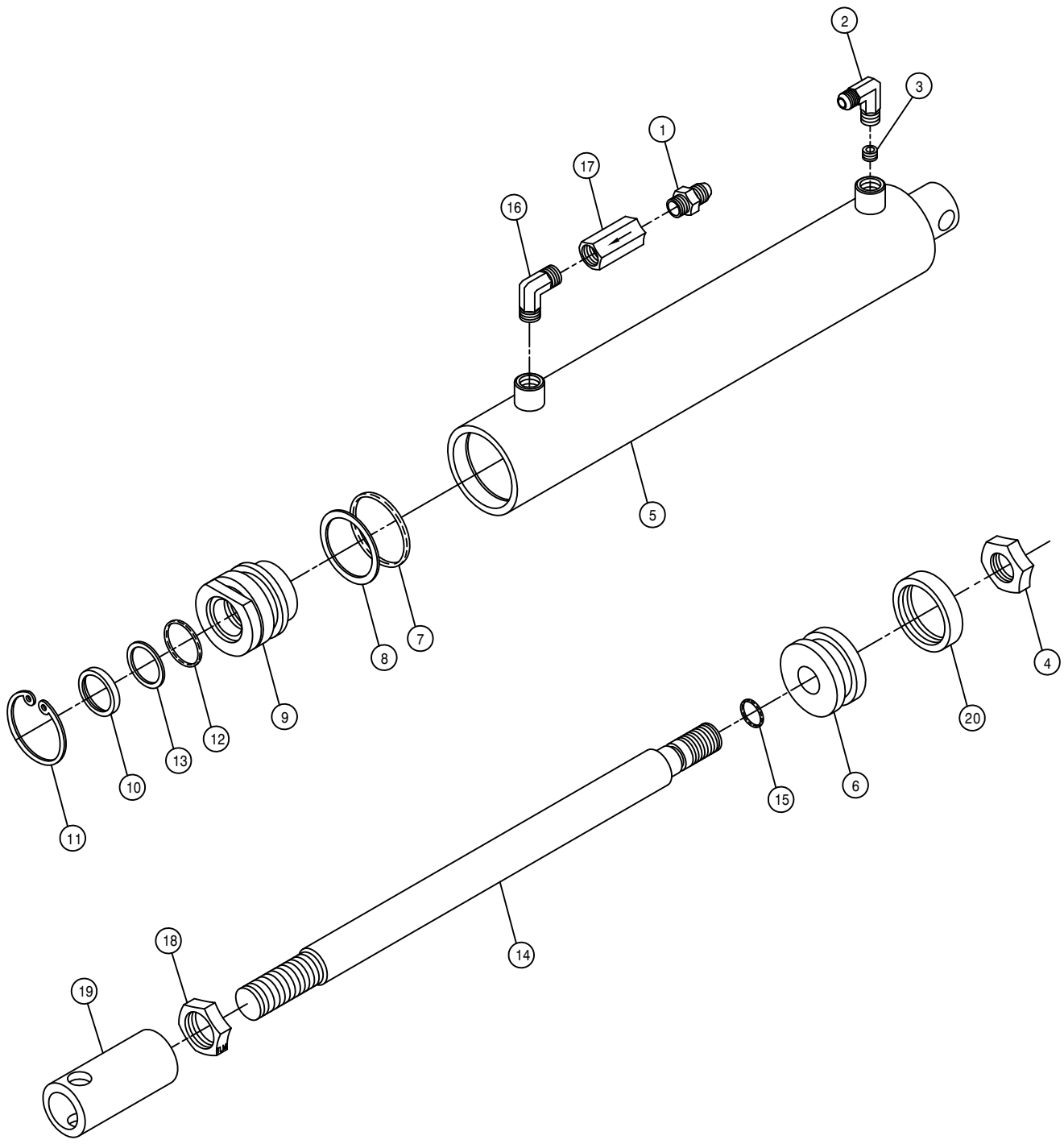
- NOTE: 1. 620581 - LIFT CYLINDER ASSEMBLY  
 2. 620580 - LIFT CYLINDER ASSEMBLY WITH FITTINGS  
 3. 614365 - RESTRICTOR ELBOW ASSEMBLY  
 4. 620132 - SEAL KIT



LEVEL CYLINDER ASSEMBLY

DET.	QTY	PART NO.	DESCRIPTION
1	2	611122	9/16MJIC-90-1/4MNPT LBO
2	1	472297	3/4UNF HEX STOVER NUT THIN
3	1	620586	LEVEL CYL TUBE WLD 96
4	1	620081	PISTON 2 X 1 ZAMAC ORING TYPE
5	1	870326	BUNA ORING 1 5/8 X 2
6	1	890326	BACKUP WASH 1 5/8 X 2 LEATH
7	1	620082	GLAND 2 IN X 1 IN ZAMAC
8	1	629003	WIPER 1 X 1 1/4 X 1/8
9	1	629505	SNAP RING 2 IN INTRN
10	1	870214	BUNA ORING 1 X 1 1/4
11	1	890214	BACKUP WASH 1 X 1 1/4 HT2022
12	1	620591	LEVEL CYL SHAFT WLD 96
13	1	870113	BUNA ORING 9/16 X 3/4
14	1	860326	CROWN SEAL, 2" PISTON, HYD

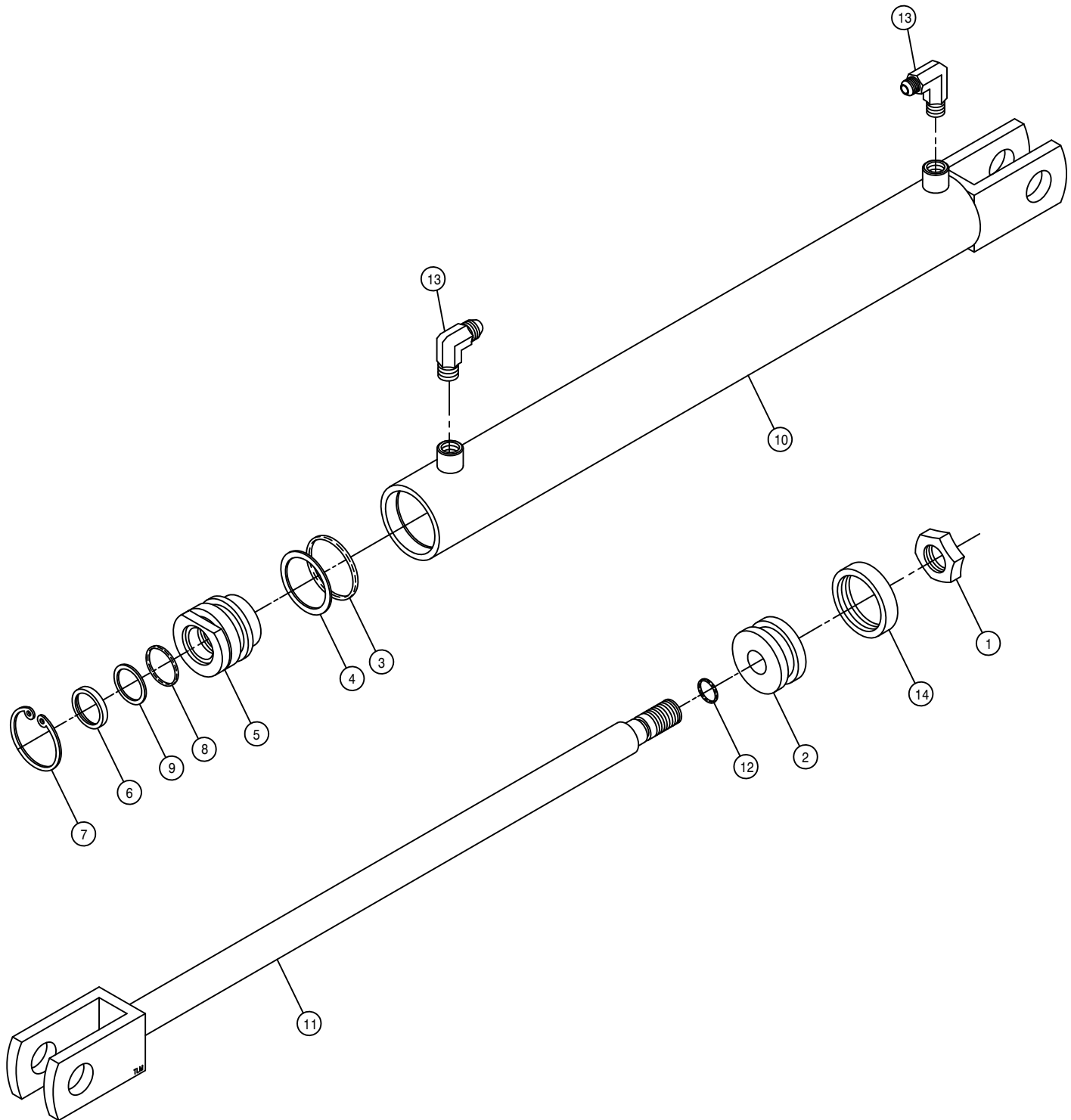
NOTE: 1. 620585 - LEVEL CLINDER ASSEMBLY  
 2. 620584 - LEVEL CYLINDER ASSEMBLY W/FTGS  
 3. 620083 - SEAL KIT



FOLD CYLINDER ASSEMBLY

DET.	QTY	PART NO.	DESCRIPTION
	1	618018	9/16MJIC-1/2MNPT ADPTR
	1	440338	9/16 JIC W/90X1/4 NPT TAPPED
	1	614366	RESTRICTOR SCREW, .042 DIA
	1	472297	3/4UNF HEX STOVER NUT THIN
	5	620586	LEVEL CYL TUBE WLD 96
	6	620081	PISTON 2 X 1 ZAMAC ORING TYPE
	7	870326	BUNA ORING 1 5/8 X 2
	8	890326	BACKUP WASH 1 5/8 X 2 LEATH
	9	620082	GLAND 2 IN X 1 IN ZAMAC
	10	629003	WIPER 1 X 1 1/4 X 1/8
	11	629505	SNAP RING 2 IN INTRN
	12	870214	BUNA ORING 1 X 1 1/4
	13	890214	BACKUP WASH 1 X 1 1/4 HT2022
	14	620596	FOLD CYL SHAFT 96
	15	870113	BUNA ORING 9/16 X 3/4
	16	618633	1/2MNPT-90-1/4MNPT REDU LBO
	17	610450	RESTRICTOR .025 1-WAY, 1/2FNPT
	18	472322	7/8UNF HEX JAM NUT
	19	620653	FOLD CYL ADJ SLEEVE 97
	20	860326	CROWN SEAL, 2" PISTON, HYD

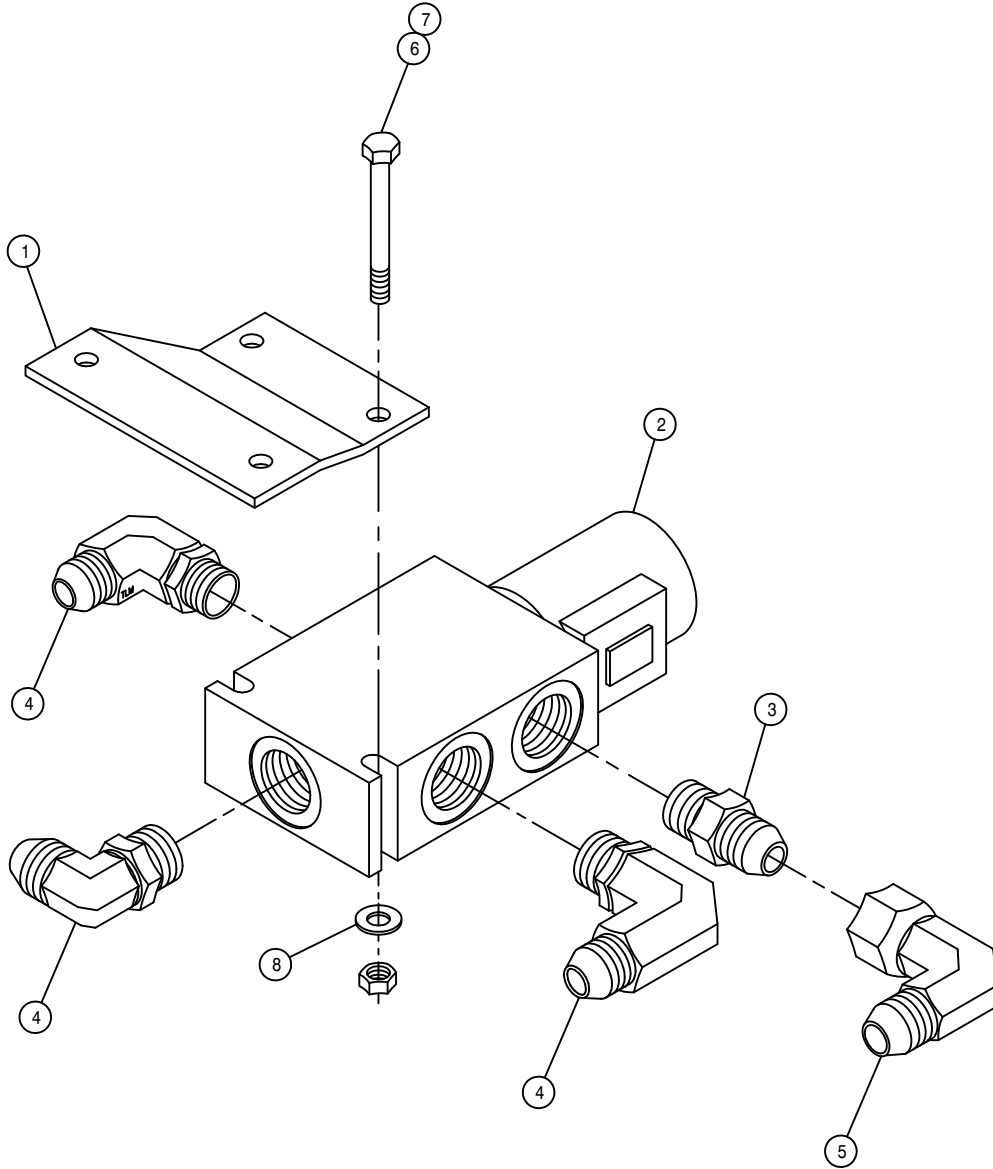
NOTE: 1. 620652 - FOLD CLINDER ASSEMBLY  
 2. 620651 - FOLD CYLINDER ASSEMBLY WITH FITTINGS  
 3. 614365 - RESTRICTOR ELBOW ASSEMBLY  
 4. 620083 - SEAL KIT



BOOM EXTENSION FOLD CYLINDER ASSEMBLY

DET.	QTY	PART NO.	DESCRIPTION
1	1	472297	3/4UNF HEX STOVER NUT THIN
2	1	620081	PISTON 2 X 1 ZAMAC ORING TYPE
3	1	870326	BUNA ORING 1 5/8 X 2
4	1	890326	BACKUP WASH 1 5/8 X 2 LEATH
5	1	620082	GLAND 2 IN X 1 IN ZAMAC
6	1	629003	WIPER 1 X 1 1/4 X 1/8
7	1	629505	SNAP RING 2 IN INTRN
8	1	870214	BUNA ORING 1 X 1 1/4
9	1	890214	BACKUP WASH 1 X 1 1/4 HT2022
10	1	620901	TUBE WLD CC2016 D00 SRG 180
11	1	620905	SHAFT WLD CC2016 D00 SRG180
12	1	870113	BUNA ORING 9/16 X 3/4
13	2	614365	RESTRICTOR ELBOW ASSY .042DIA
14	1	860326	CROWN SEAL, 2" PISTON, HYD

NOTE: 620900 - LIFT CYLINDER INCLUDES ITEMS 1-12.  
620083 - SEAL KIT

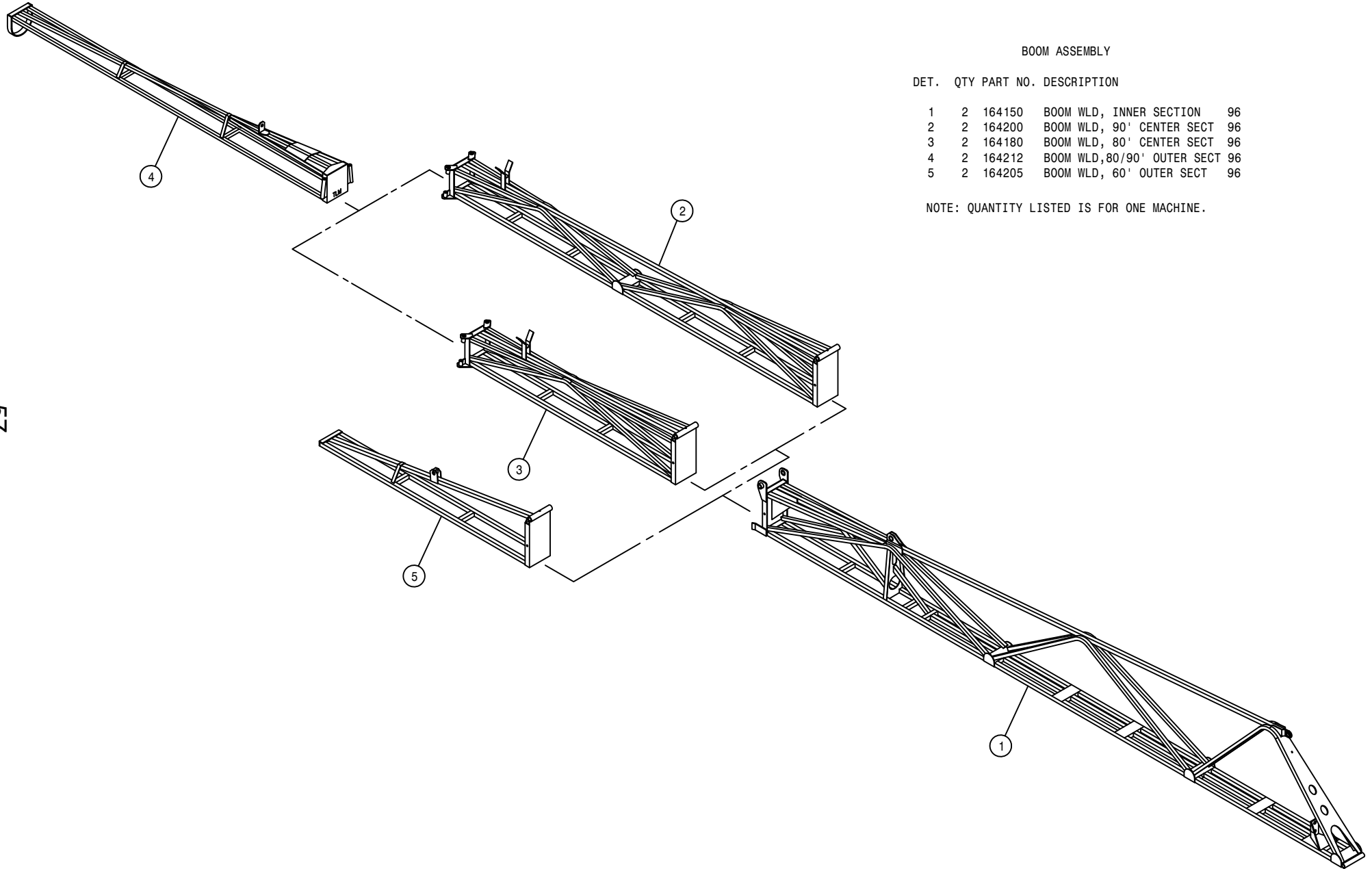


LIFT CYLINDER LOCK SOLENOID VALVE ASSEMBLY

DET. QTY PART NO. DESCRIPTION

1	1	164305	LIFT CYL LOCK SOL VLV MT	97
2	1	610628	4-WAY, 2-POSITION SOL VLV	
3	1	618109	9/16MJIC-3/4MOR ADPTR	
4	3	618115	9/16MJIC-90-3/4MOR LBO	
5	1	618618	9/16MJIC-90-9/16FJIC SWIV LBO	
6	2	900006	1/4UNC X 1 3/4 HEX BOLT	
7	2	914000	1/4UNC HEX STOVER NUT	
8	2	920000	1/4 SAE FLAT WASHER	

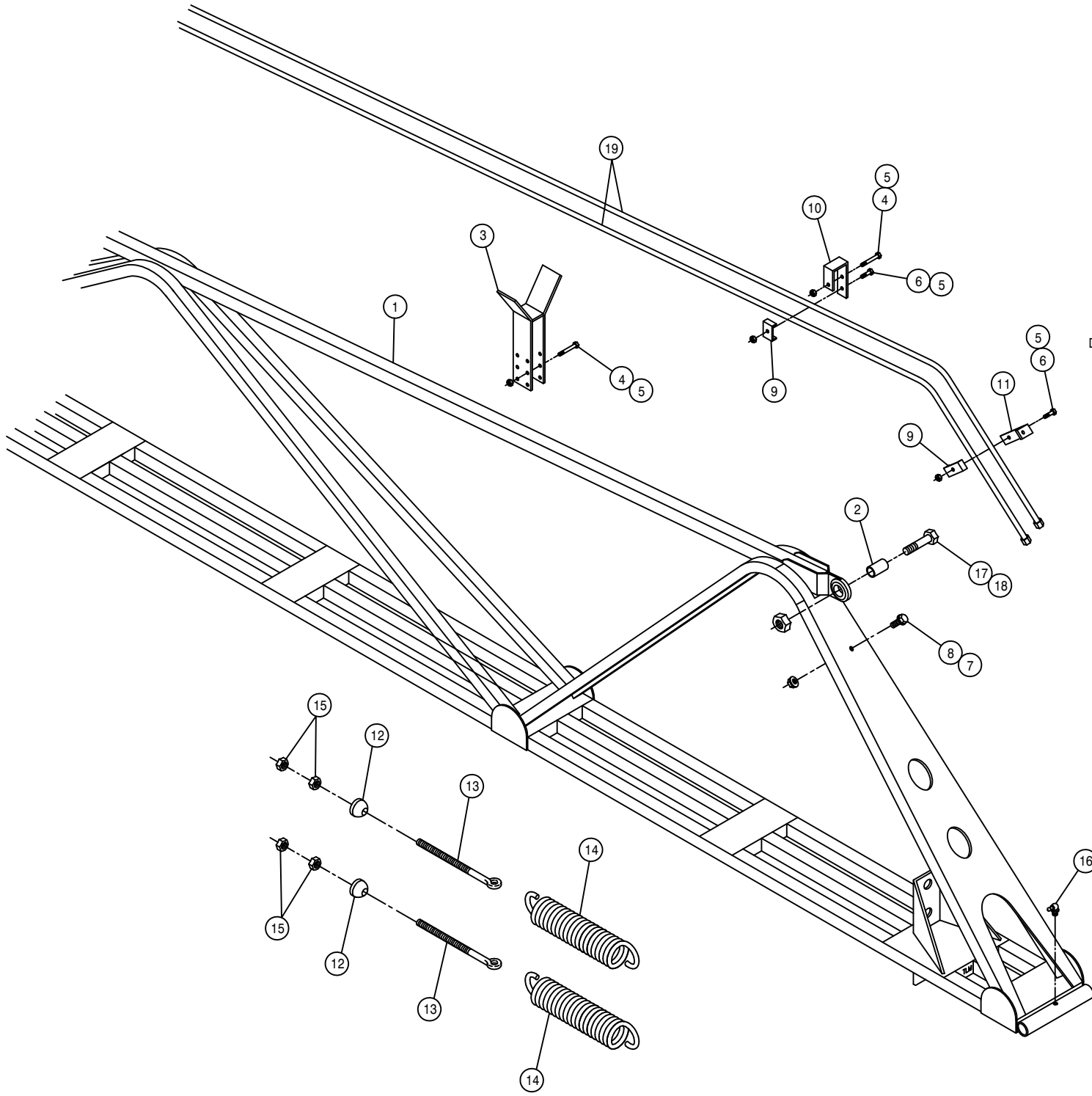




BOOM ASSEMBLY

DET.	QTY	PART NO.	DESCRIPTION	
1	2	164150	BOOM WLD, INNER SECTION	96
2	2	164200	BOOM WLD, 90' CENTER SECT	96
3	2	164180	BOOM WLD, 80' CENTER SECT	96
4	2	164212	BOOM WLD,80/90' OUTER SECT	96
5	2	164205	BOOM WLD, 60' OUTER SECT	96

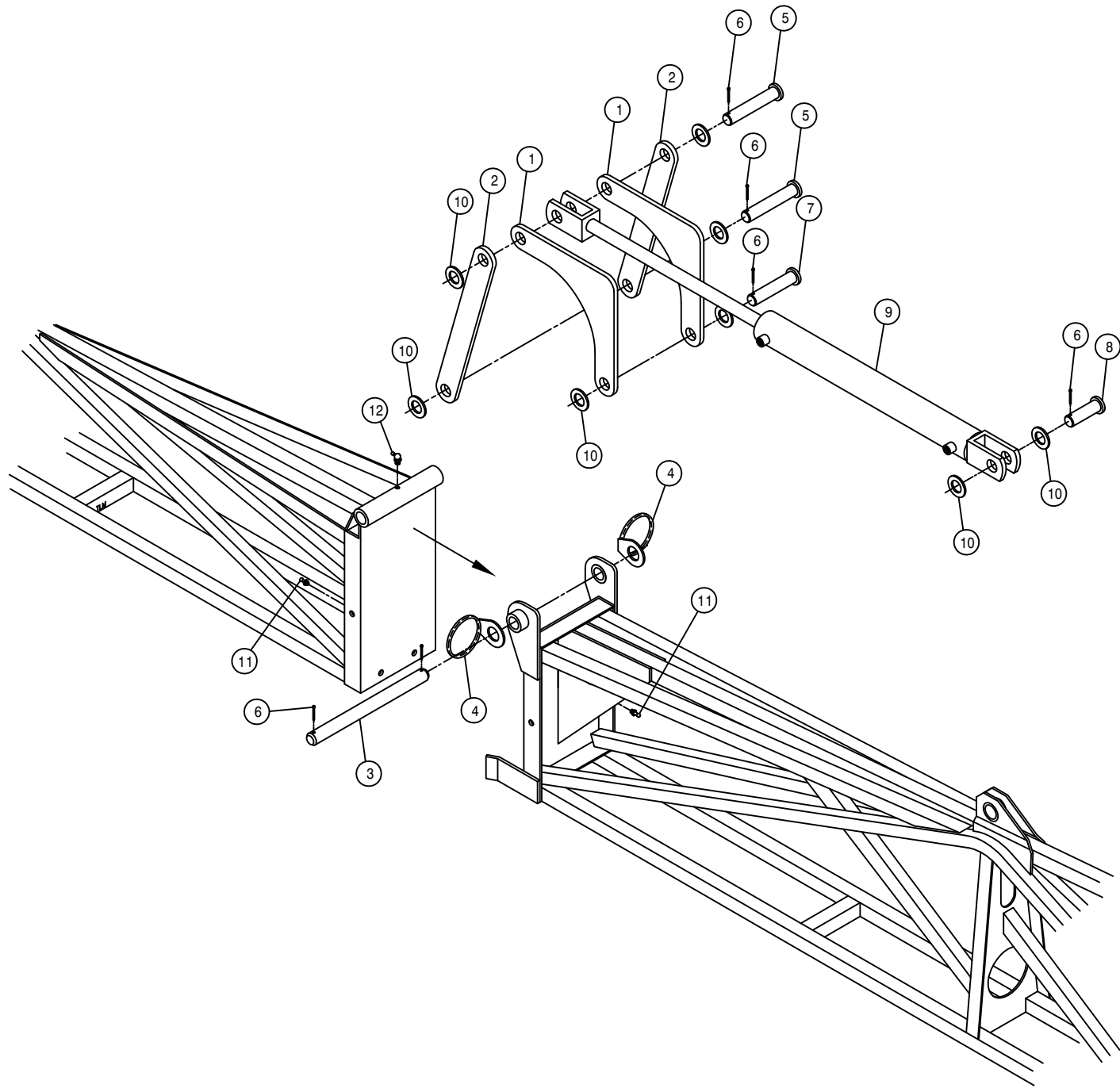
NOTE: QUANTITY LISTED IS FOR ONE MACHINE.



INNER BOOM ASSEMBLY

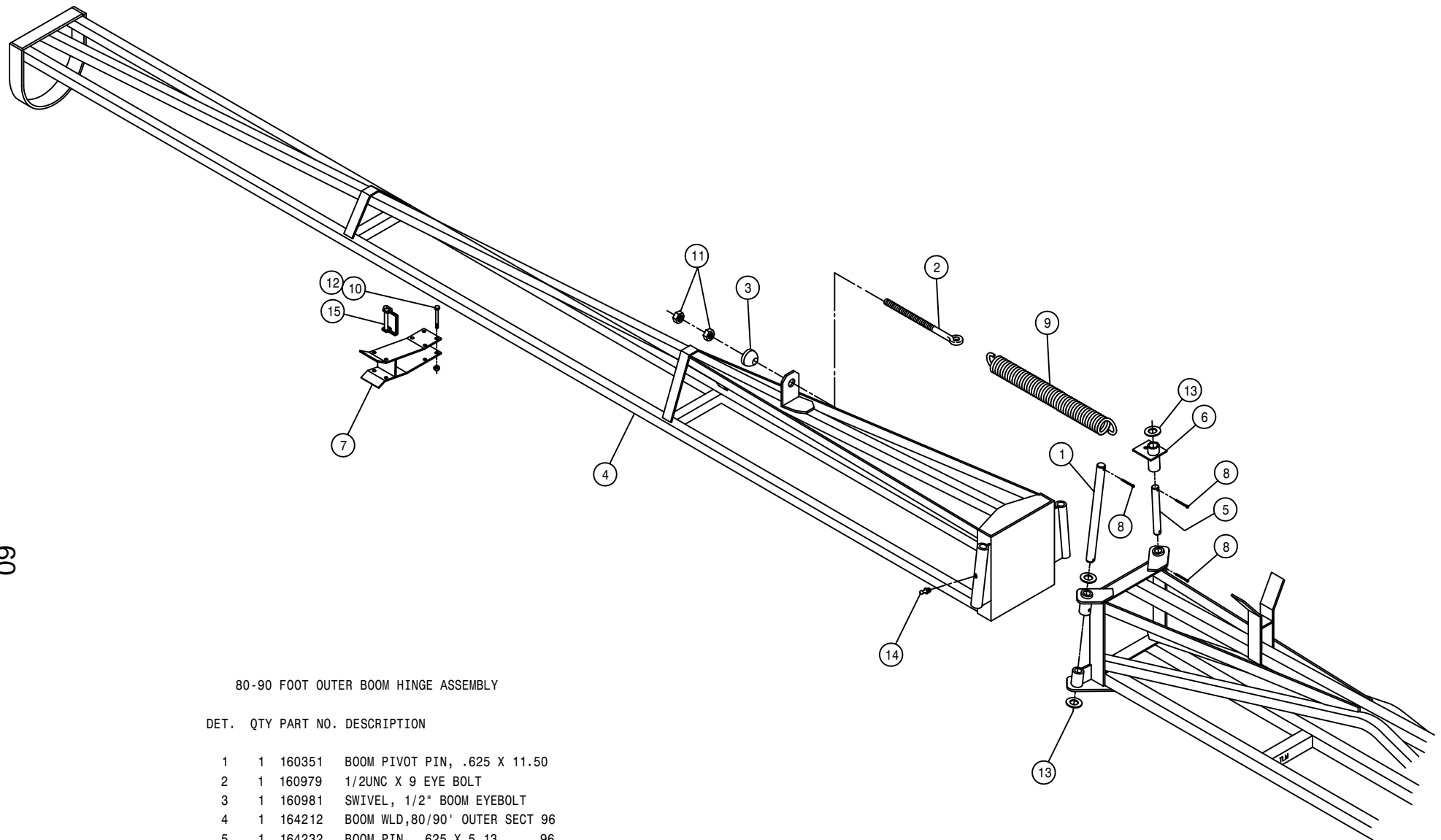
DET.	QTY	PART NO.	DESCRIPTION	
1	1	164150	BOOM WLD, INNER SECTION	96
2	1	164227	BOOM BALL JOINT BUSH	96
3	1	164266	OUTER BOOM SUPP WLD,80/90'	96
4	7	900007	1/4UNC X 2" HEX BOLT	
5	11	914000	1/4UNC HEX STOVER NUT	
6	4	900003	1/4UNC X 1" HEX BOLT	
7	1	470121	1/4UNC HEX FLANGE LOCK NUT	
8	1	470118	1/4UNC X 3/4 FLANGE HEX BOLT	
9	4	164102	FOLD BOOM HYD TUBE KPR	96
10	3	164242	HYD TUBE HANGER CLEVIS,BOOM96	
11	1	164243	HYD TUBE HANGER ANGLE,BOOM 96	
12	2	164263	SWIVEL, 5/8 BOOM EYEBOLT	
13	2	164265	5/8UNC X 7 1/2 EYE BOLT	
14	2	482014	SPRING,3.25 X 11.50 EXTENSION	
15	4	910010	5/8UNC HEX NUT	
16	1	471028	GREASE ZERK, 1/4-28 90DEG	
17	1	900844	5/8UNC X 2 3/4 HEX BOLT GR8	
18	1	914010	5/8UNC HEX STOVER NUT	
19	2	615684	HYD TUBE ASSY,BOOM EXT FOLD96	

NOTE: 60 FOOT BOOM USES ONE SPRING



80-90 FOOT BOOM HINGE PIVOT ASSEMBLY

DET.	QTY	PART NO.	DESCRIPTION	
1	2	164228	FOLDING LINK, INNER BOOM	96
2	2	164229	FOLDING LINK, BOOM CNTR SECT96	
3	1	164231	BOOM PIN, 1.00 X 11.88	96
4	2	438302	HOSE SUPPORT RING WLD W/WASHER	
5	2	470155	CLEVIS PIN, 1.00 X 4.00 PLT	
6	6	470162	COTTER PIN 3/16 X 1 1/2 SQCUT	
7	1	472012	CLEVIS PIN, 1.00 X 3.25 PLT	
8	1	472270	CLEVIS PIN, 1.00 X 2.50 PLT	
9	1	620900	CYL ASSY CC2016 D00 SRG 180	
10	8	920008	1" SAE FLAT WASHER, PLATED	
11	2	471005	1/4 28 X 1/2 GREASE ZERK	
12	1	471028	GREASE ZERK, 1/4-28 90DEG	



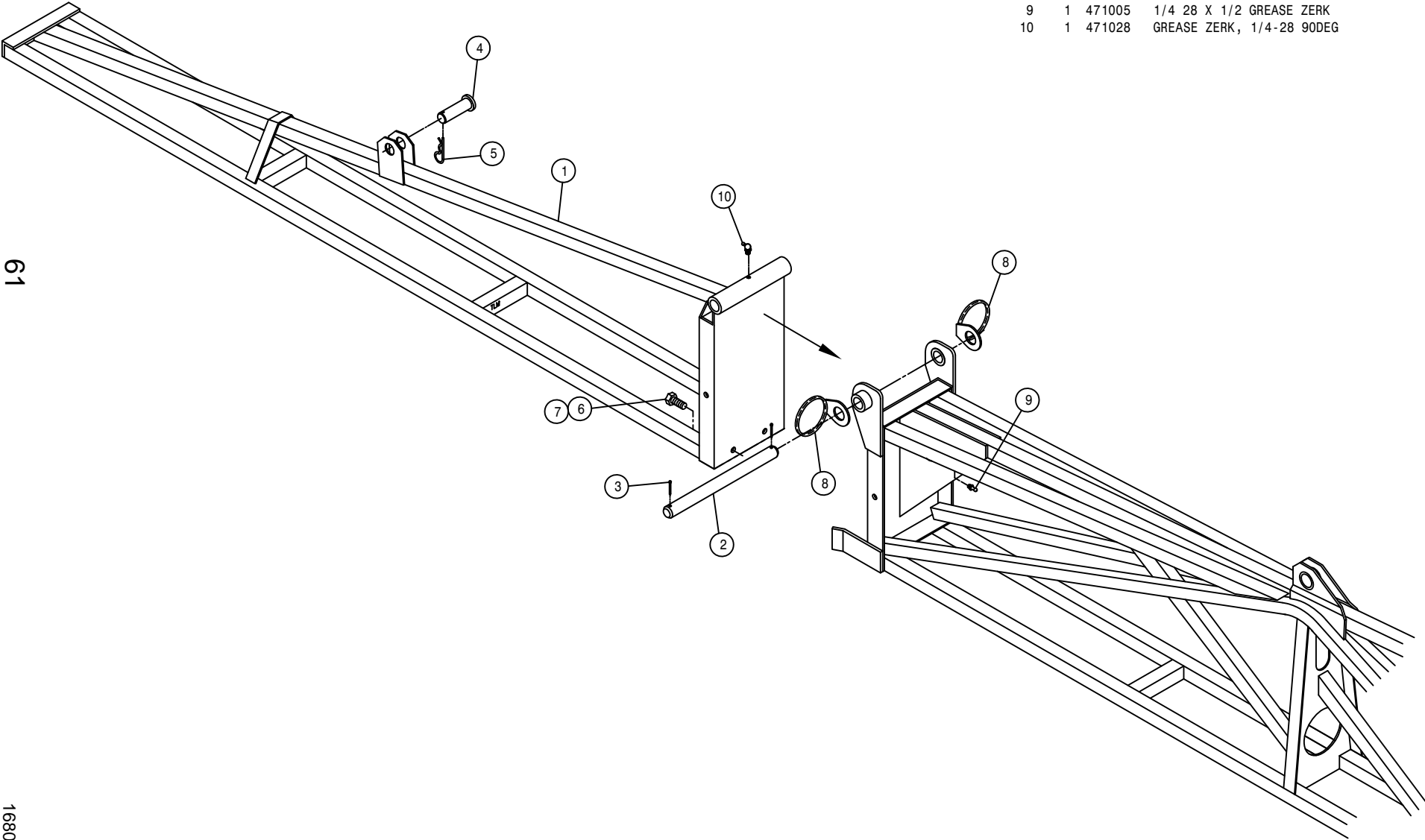
80-90 FOOT OUTER BOOM HINGE ASSEMBLY

DET. QTY PART NO. DESCRIPTION

1	1	160351	BOOM PIVOT PIN, .625 X 11.50
2	1	160979	1/2UNC X 9 EYE BOLT
3	1	160981	SWIVEL, 1/2" BOOM EYEBOLT
4	1	164212	BOOM WLD,80/90' OUTER SECT 96
5	1	164232	BOOM PIN, .625 X 5.13 96
6	1	164233	SPRING HOOK WLD, OUTER BOOM 96
7	1	164236	OUTER BOOM SUPPORT WLD 96
8	4	470162	COTTER PIN 3/16 X 1 1/2 SQ CUT
9	1	482013	SPRING, 2.50 X 17.00 EXTENSION
10	4	900006	1/4UNC X 1 3/4 HEX BOLT
11	2	910008	1/2UNC HEX NUT
12	4	914000	1/4UNC HEX STOVER NUT
13	3	920005	5/8 FLAT WASH SAE
14	1	471005	1/4 28 X 1/2 GREASE ZERK
15	1	473895	1/4 X 1 3/4 LYNCH PIN

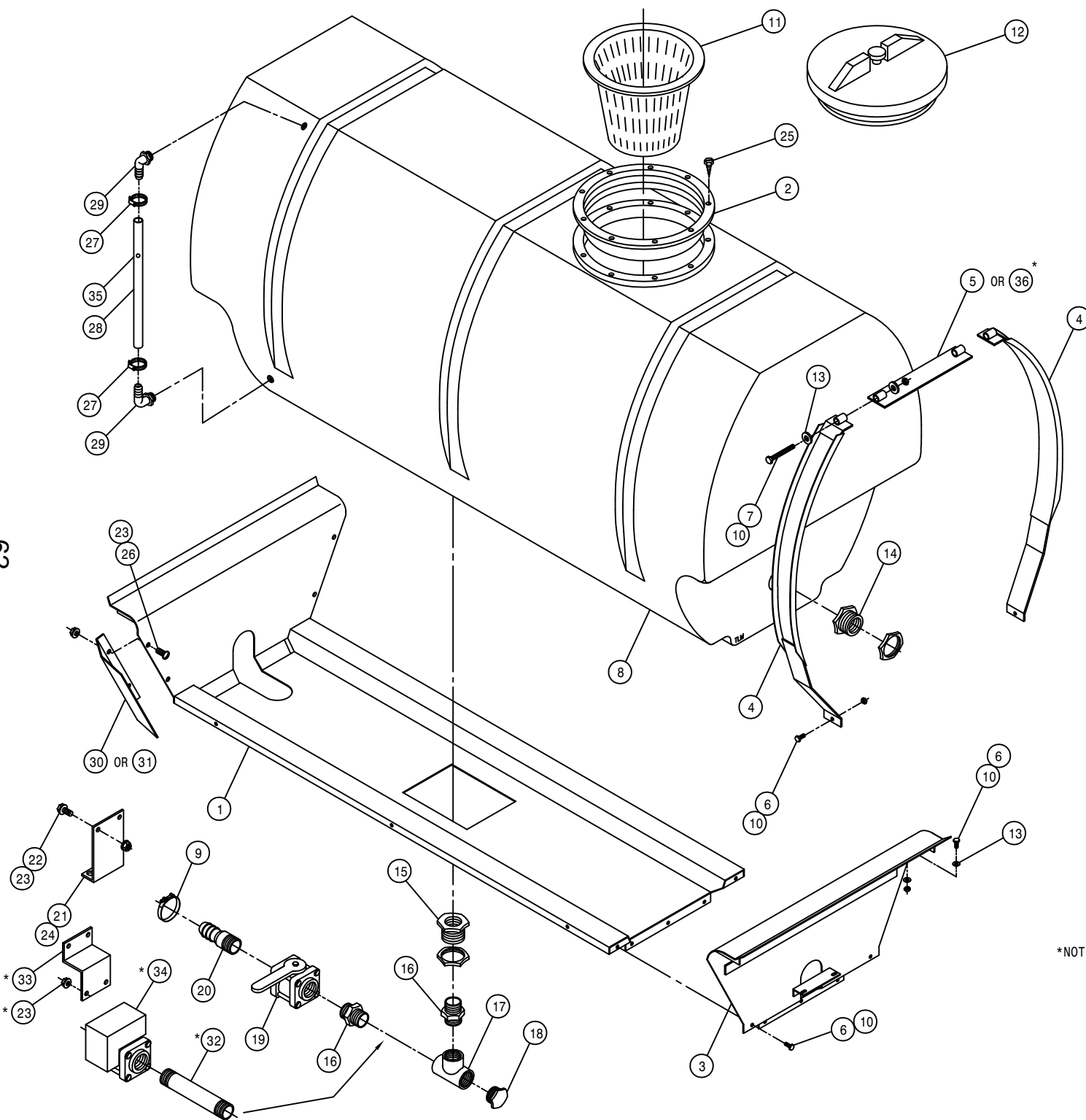
60 FOOT BOOM HINGE PIVOT ASSEMBLY

DET.	QTY	PART NO.	DESCRIPTION
1	1	164205	BOOM WLD, 60' OUTER SECT 96
2	1	164231	BOOM PIN, 1.00 X 11.75 96
3	2	470162	COTTER PIN 3/16 X 1 1/2 SQCUT
4	1	472276	CLEVIS PIN, 1.00 X 2.00 PLT
5	1	611016	HAIR PIN #6
6	2	900128	3/8UNC X 3/4 HEX BOLT
7	2	914004	3/8UNC HEX STOVER NUT
8	2	438302	HOSE SUPPORT RING WLD W/WASHER
9	1	471005	1/4 28 X 1/2 GREASE ZERK
10	1	471028	GREASE ZERK, 1/4-28 90DEG



61

168061



POLY 400 GALLON SOLUTION TANK ASSEMBLY

DET.	QTY	PART NO.	DESCRIPTION	
	1	763434	POLY TANK CRADLE WELD, 284 94	
	1	763409	10" THD'D RING FOR TANK LID	
	3	763340	REAR POLY CRADLE MT WLD280 90	
	4	763454	TANK BAND WLD, 284 POLY 95	
	5	763456	TANK BAND TIE WLD,284 POLY 95	
	6	900129	3/8UNC X 1 HEX BOLT	
	7	906138	3/8UNC X 3 1/2 HEX BOLT FULL	
	8	763440	400 GAL POLY SOLU TANK 94	
	9	520133	1.81/2.06 T-BOLT HOSE CLAMP	
	10	914004	3/8UNC HEX STOVER NUT	
	11	763431	8" STRAINER BASKET, SOLU TANK	
	12	763408	LID, THD'D W/VENT, POLY TANK	
	13	920002	WASH FLAT 3/8 SAE	
	14	2	1.25 PLASTIC FTG ASSY POLYTNK	
	15	618604	1.50 PLASTIC FTG ASSY-POLYTNK	
	16	500028	1 1/2NPT PIPE NIPPLE, POLY	
	17	500030	1 1/2"NPT PIPE TEE, POLY	
	18	500031	1 1/2NPT PIPE PLUG, POLY	
	19	696110	BALL VALVE 1 1/2FNPT POLY	
	20	500032	1 1/2NPT X 1 1/2 H BARB, POLY	
	21	763363	SOLU HOSE SUPPORT 280 POLY 91	
	22	470118	1/4UNC X 3/4 FLANGED HEX BOLT	
	23	470121	1/4UNC HEX FLANGED LOCK NUT	
	24	470000	CABLE TIE, 21" BLACK PLASTIC	
	25	8	763410	S.S. SCREW FOR CAP RING
	26	2	472269	1/4UNCX1/2 FLT HD MACH SCREW
	27	2	520069	HOSE CLAMP NO 6 PLATED
	28	1	601245	HOSE, .50 X 42.00 SIGHT GAUGE
	29	2	618556	1/4NPT-90-1/2 HOSE BARB,POLY
	30	1	763436	RH SIGHT GAGE SHLD,POLY284 94
	31	1	763437	LH SIGHT GAGE SHLD,POLY284 94
	32	1	500029	1 1/2NPT X 6 PIPE NIPPLE,POLY
	33	1	763445	ELECT SOLU VLV SUPPORT 94
	34	1	696161	1 1/2NPT ELECT SOLU VALVE
	35	1	763446	RED POLYPROPYLENE BALL 25/64"
	36	3	763460	BAND TIE/WALK MT WLD, 284 95

\*NOTE: ITEMS 23,32,33, AND 34 ARE USED WITH THE ELECTRIC SOLUTION VALVE OPTION.

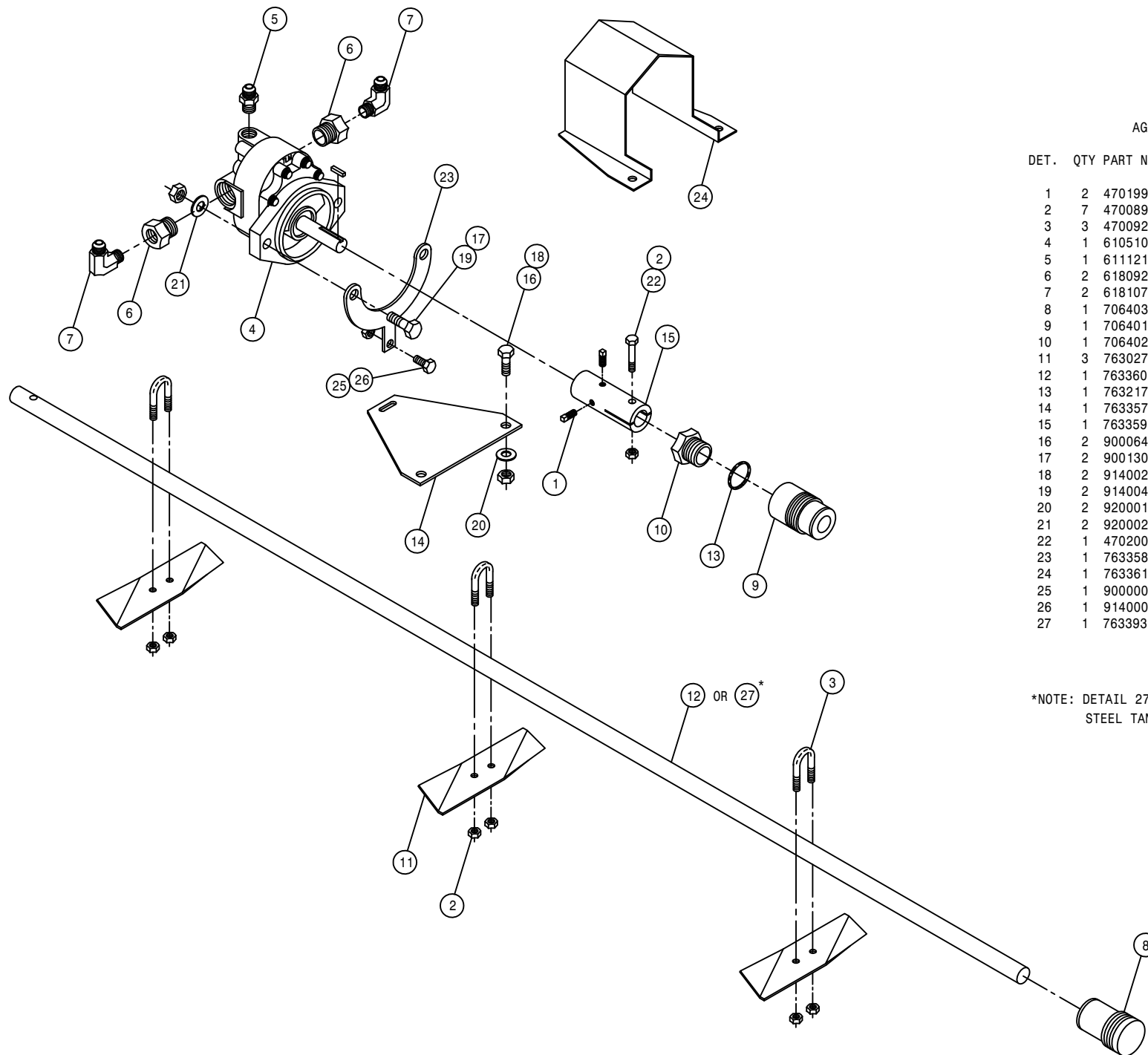
ITEM 36 IS USED WITH THE NARROW TREAD OPTION.

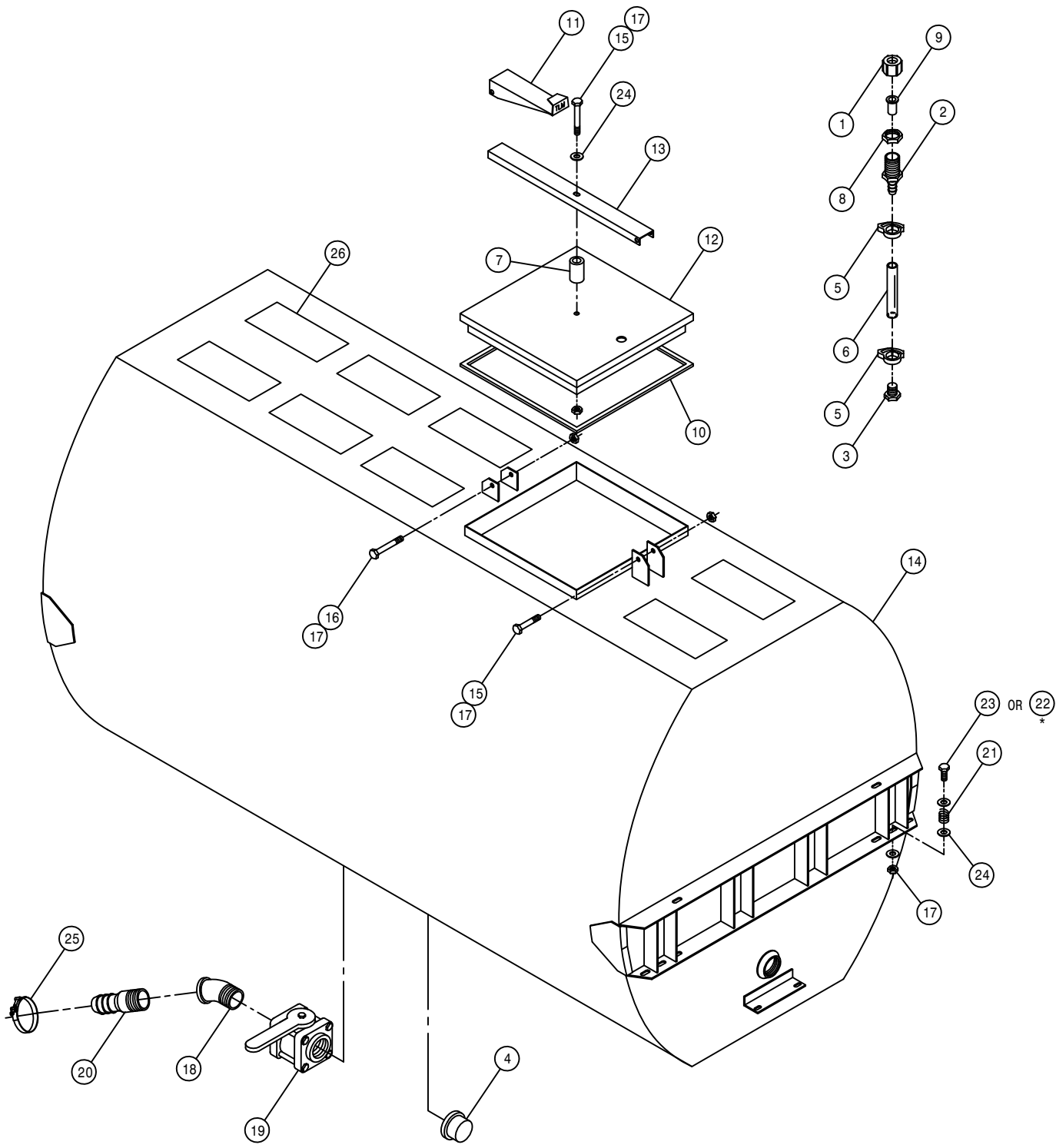
AGITATOR ASSEMBLY

DET. QTY PART NO. DESCRIPTION

1	2	470199	1/4UNC X 3/8 SQHD CUP SET SCR	
2	7	470089	1/4UNC HEX LOC NUT NYL INS SS	
3	3	470092	1/4UNC-3/4ID-1 1/4 U-BOLT SS	
4	1	610510	CESSNA GEAR MOTOR 1.48CI	
5	1	611121	9/16MJIC-1/4MNPT ADPTR	
6	2	618092	1 1/16MOR-1/2FNPT ADPTR	
7	2	618107	9/16MJIC-90-1/2MNPT LBO	
8	1	706403	FRT AGIT SHFT BRG, NYLON	
9	1	706401	REAR AGIT SHFT BRG, NYLON	
10	1	706402	AGIT SHFT GLAND NUT, NYLON	
11	3	763027	AGIT IMPELLER	
12	1	763360	AGIT SHAFT 280	91
13	1	763217	GLAND PACKING, 13 IN. LONG	
14	1	763357	AGIT MTR MT PLT CES 280	91
15	1	763359	AGIT MTR CPLR 280	91
16	2	900064	5/16UNC X 3/4 HEX BOLT	
17	2	900130	3/8UNC X 1 1/4 HEX BOLT	
18	2	914002	5/16UNC HEX STOVER NUT	
19	2	914004	3/8UNC HEX STOVER NUT	
20	2	920001	5/16 SAE FLAT WASHER	
21	2	920002	3/8 SAE FLAT WASHER	
22	1	470200	1/4UNC X 1 3/4 HEX BOLT SS	
23	1	763358	AGIT MTR MT YOKE CES 280	91
24	1	763361	AGIT CPLR SHIELD 280	91
25	1	900000	1/4UNC X 1/2 HEX BOLT	
26	1	914000	1/4UNC HEX STOVER NUT	
27	1	763393	AGIT SHAFT 250	91

\*NOTE: DETAIL 27 IS USED WITH THE STAINLESS STEEL TANK OPTION.



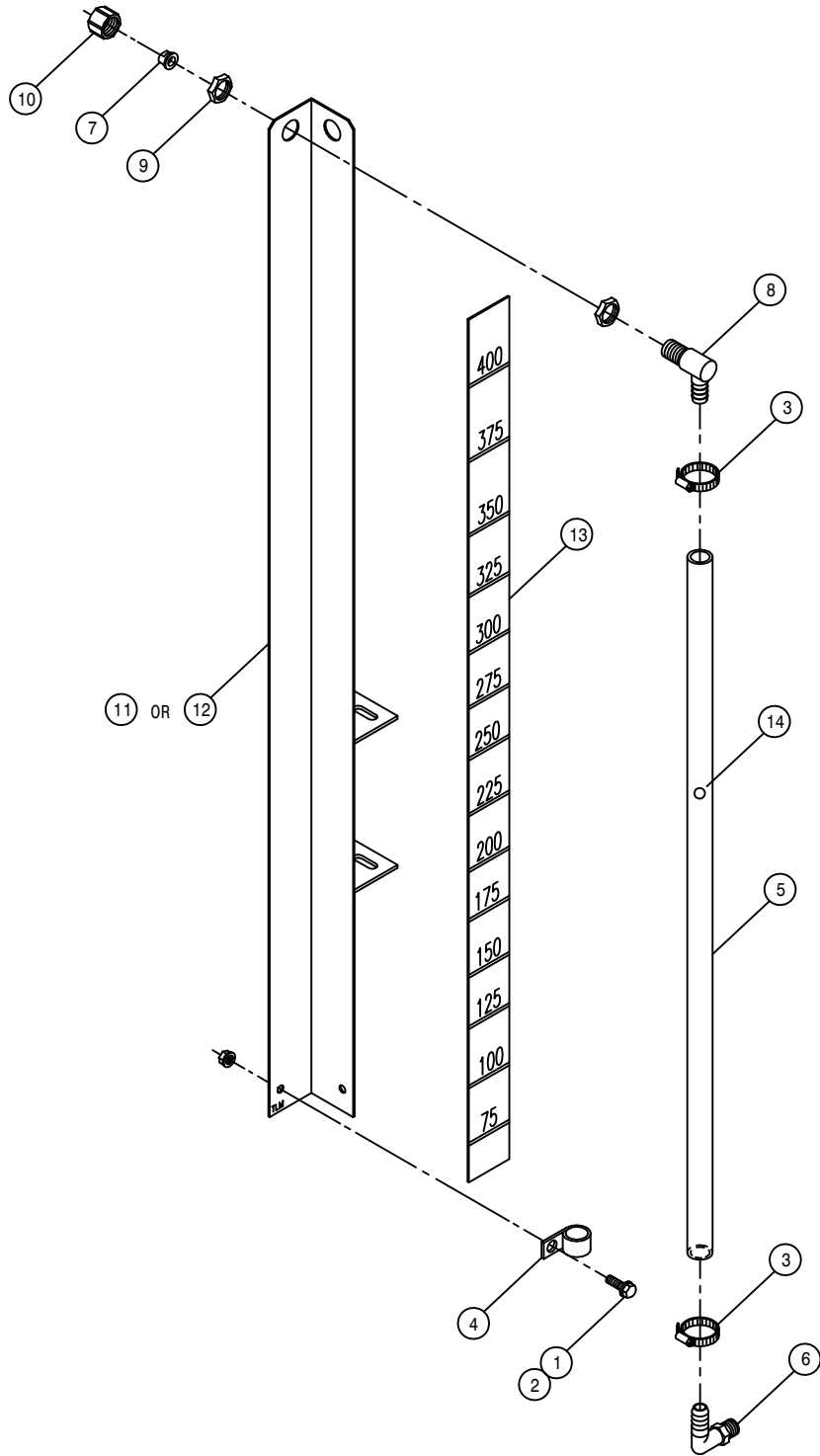


STAINLESS STEEL SOLUTION TANK ASSEMBLY

DET.	QTY	PART NO.	DESCRIPTION
1	1	500005	CAP NUT .688FPS NYLON
2	1	500006	.38 H BARB X .69 MPS NYLON
3	1	500007	FTG .12 MNPT HEX PLUG NYLON
4	1	507100	PIPE CAP 1.50NPT
5	2	520003	HOSE CLAMP NO 6 PLASTIC SNAP
6	1	601216	SPRAY TNK VENT HOSE .38X3.50
7	1	601231	HOSE, 3/4 X 2 HI PRESS EPDM
8	1	737858	TEE AND EL NUT .688 FPS
9	1	738859	STRAINER 50 MESH NYLON
10	1	760651	TANK LID GSKT 647
11	1	763163	SPRAY TANK LATCH HANDLE 647S
12	1	763164	SPRAY TANK LID WLD 647S
13	1	763166	TANK LID CHAN 647-S SIDE
14	1	763294	SS SPRAY TANK WLD 400 GAL 280
15	2	900134	3/8UNC X 2 1/2 HEX BOLT
16	1	900138	3/8UNC X 3 1/2 HEX BOLT
17	7	914004	3/8UNC HEX STOVER NUT
18	1	507024	BLK PIPE ST EL 45DEG 1.50NPT
19	1	696110	BALL VALVE 1 1/2FNPT POLY
20	1	716003	1 1/2 X 1 1/2 HOSE BARB
21	2	499001	SPRING HYDRO CONTROL
22	2	900129	3/8UNC X 1 HEX BOLT
23	2	900170	3/8UNC X 2 1/4 HEX BOLT
24	11	920002	WASH FLAT 3/8 SAE
25	1	520133	1.81/2.06 T-BOLT HOSE CLAMP
26	8	659677	4X9 SAFETY WALK

\*NOTE: HARDWARE SHOWN IS FOR REAR OF SOLUTION TANK.  
FRONT SIDE USES DETAIL 22 AND NO SPRINGS.





SIGHT GAUGE HOSE ASSEMBLY

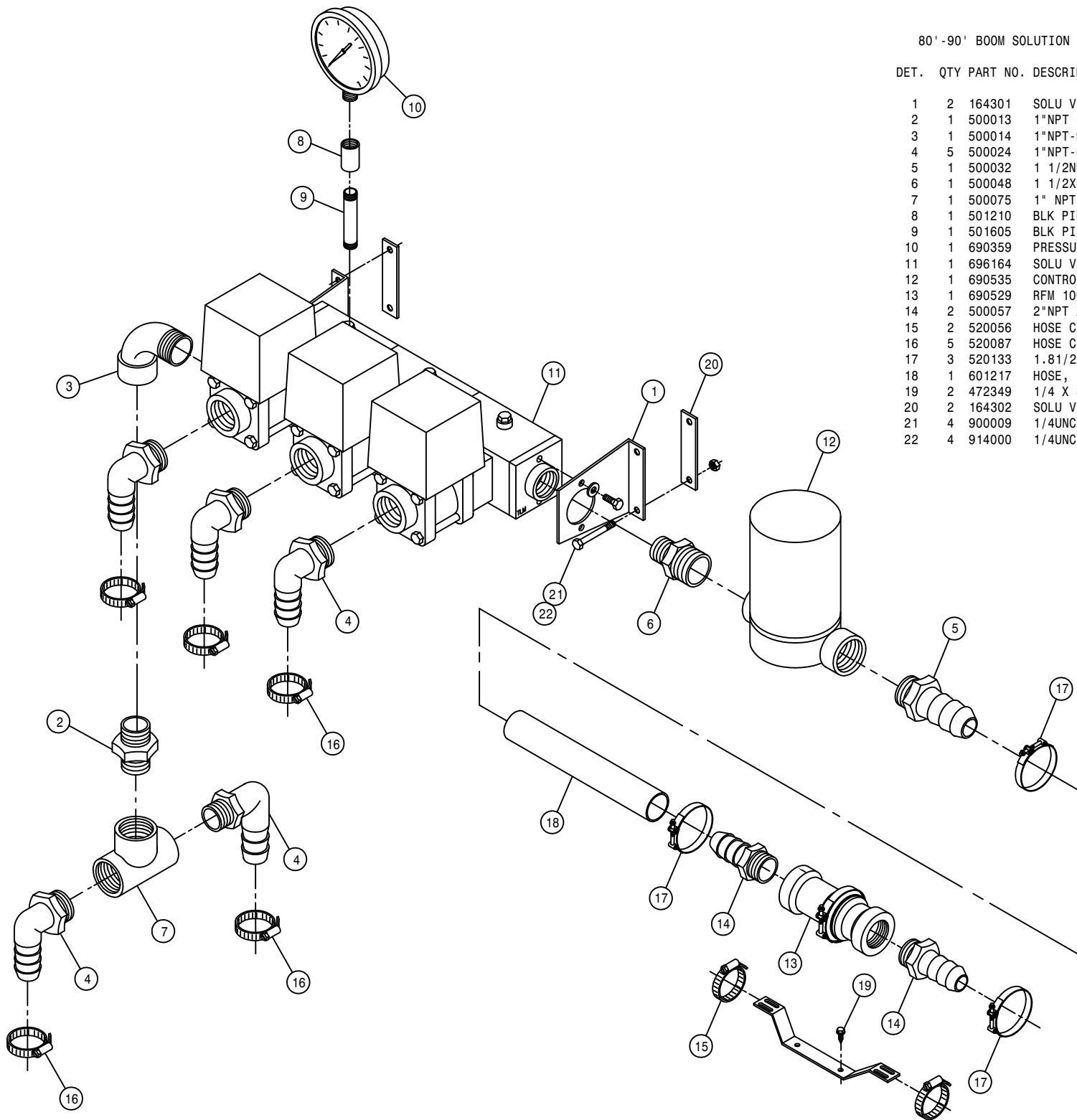
DET. QTY PART NO. DESCRIPTION

1	1	470122	1/4UNC X 1/2 FLANGED HEX BOLT
2	1	470121	1/4UNC HEX FLANGED LOCK NUT
3	2	520069	HOSE CLAMP NO 6 PLATED
4	1	520117	CUSH HOSE CLAMP 5/8D X 1/2W
5	1	601302	HOSE, 1/2 X 52 SIGHT GAUGE
6	1	618556	1/4NPT-90-1/2 HOSE BARB,POLY
7	1	731109	TIP,FS-9 80DEG NYL SNGL ORF
8	1	737856	EL NOZL BODY .50 STEEL
9	1	737858	TEE AND EL NUT .688 FPS
10	1	738866	CAP NUT .688 FPS STEEL
11	1	763316	RH SIGHT GAUGE MT WLD 280 89
12	1	763317	LH SIGHT GAUGE MT WLD 280 89
13	1	650334	DECAL,SS TANK SIGHT GAUGE 280
14	1	763446	RED POLYPROPYLENE BALL 25/64"

80' -90' BOOM SOLUTION SOLENOID ASSEMBLY

DET. QTY PART NO. DESCRIPTION

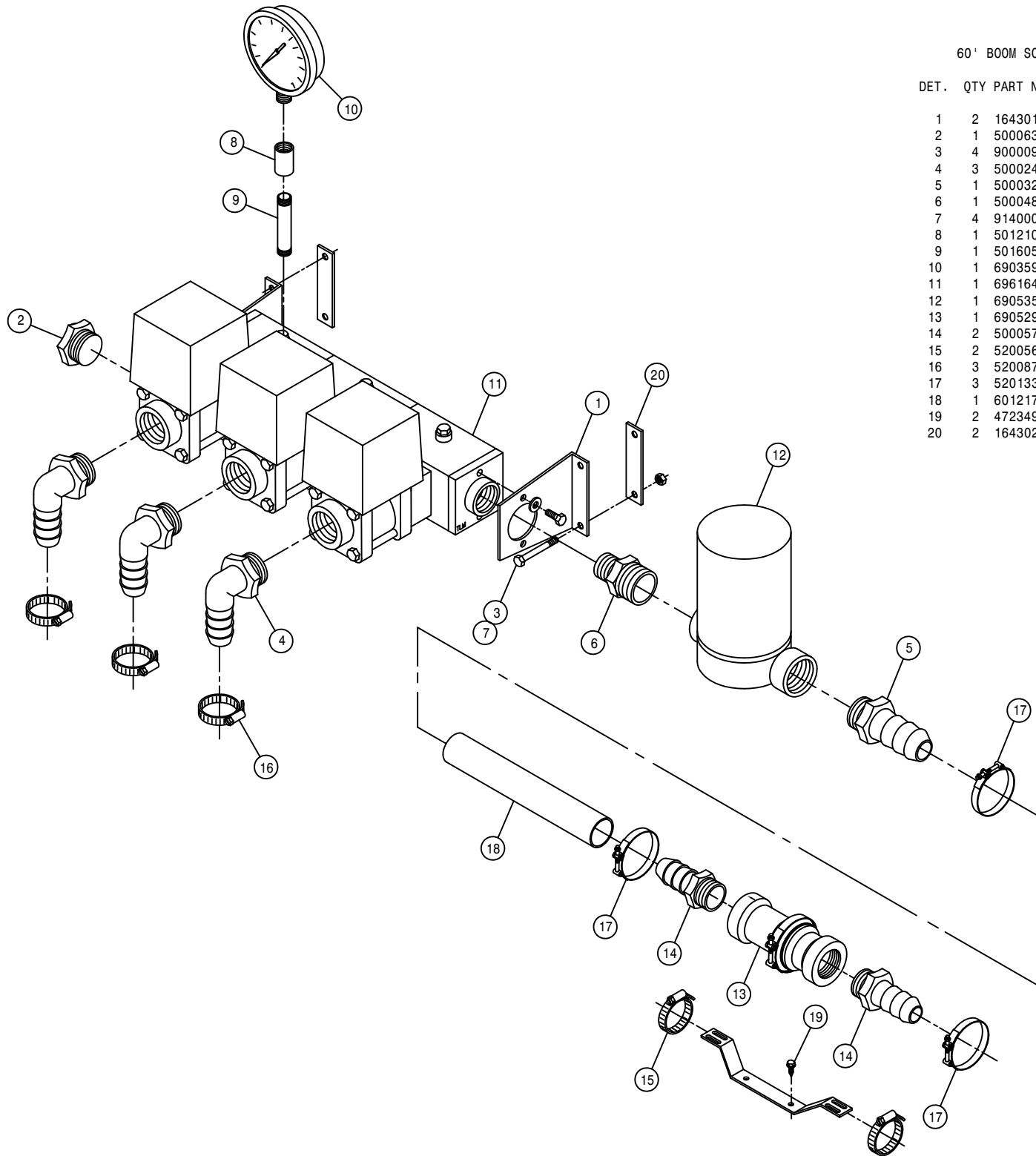
DET.	QTY	PART NO.	DESCRIPTION	
1	2	164301	SOLU VLV MANIFOLD MT	97
2	1	500013	1"NPT HEX PIPE NIPPLE, POLY	
3	1	500014	1"NPT-90 ST EL, POLY	
4	5	500024	1"NPT-90-1"HOSE BARB, POLY	
5	1	500032	1 1/2NPT X 1 1/2 H BARB, POLY	
6	1	500048	1 1/2X1"NPT REDU NIPPLE, POLY	
7	1	500075	1" NPT PIPE TEE, POLY	
8	1	501210	BLK PIPE CPLG .25NPT	
9	1	501605	BLK PIPE NIPPLE .25NPT-3.00	
10	1	690359	PRESSURE GA GLYCERI 100 PSI	
11	1	696164	SOLU VLV ASSY,3-SECT 1"NPT	
12	1	690535	CONTROL VALVE,1 1/2"POLY,RAVN	
13	1	690529	RFM 100 FLOW METER, RAVN	
14	2	500057	2"NPT X 1 1/2 H BARB, POLY	
15	2	520056	HOSE CLAMP NO 56 PLATED	
16	5	520087	HOSE CLAMP NO 20 PLATED	
17	3	520133	1.81/2.06 T-BOLT HOSE CLAMP	
18	1	601217	HOSE, 1.50 X 24 2F1W EPDM	
19	2	472349	1/4 X 3/4 20THD-IN TEK TYPE	
20	2	164302	SOLU VLV MANIFOLD MT KEEPER97	
21	4	900009	1/4UNC X 2 3/4 HEX BOLT	
22	4	914000	1/4UNC HEX STOVER NUT	



60' BOOM SOLUTION SOLENOID ASSEMBLY

DET. QTY PART NO. DESCRIPTION

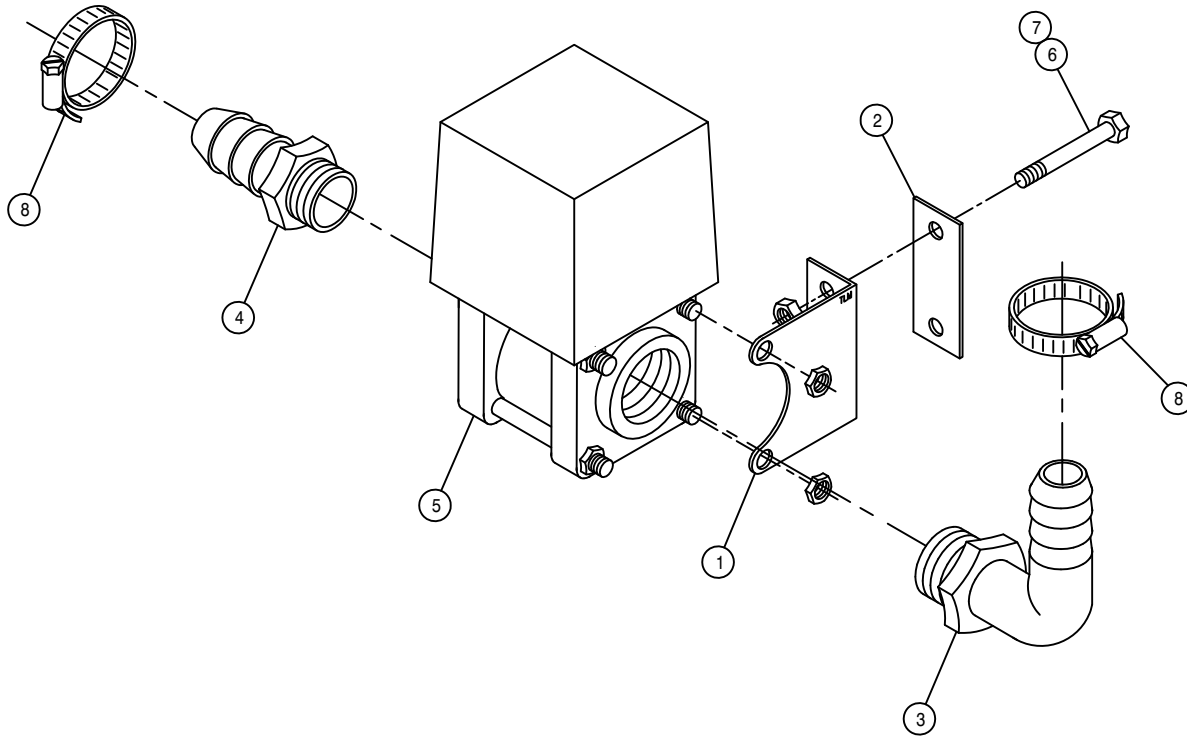
DET.	QTY	PART NO.	DESCRIPTION	
1	2	164301	SOLU VLV MANIFOLD MT	97
2	1	500063	1"NPT PIPE PLUG, POLY	
3	4	900009	1/4UNC X 2 3/4 HEX BOLT	
4	3	500024	1"NPT-90-1"HOSE BARB, POLY	
5	1	500032	1 1/2NPT X 1 1/2 H BARB, POLY	
6	1	500048	1 1/2X1"NPT REDU NIPPLE, POLY	
7	4	914000	1/4UNC HEX STOVER NUT	
8	1	501210	BLK PIPE CPLG .25NPT	
9	1	501605	BLK PIPE NIPPLE .25NPT-3.00	
10	1	690359	PRESSURE GA GLYCERI 100 PSI	
11	1	696164	SOLU VLV ASSY,3-SECT 1"NPT	
12	1	690535	CONTROL VALVE,1 1/2"POLY,RAVN	
13	1	690529	RFM 100 FLOW METER, RAVEN	
14	2	500057	2"NPT X 1 1/2 H BARB, POLY	
15	2	520056	HOSE CLAMP NO 56 PLATED	
16	3	520087	HOSE CLAMP NO 20 PLATED	
17	3	520133	1.81/2.06 T-BOLT HOSE CLAMP	
18	1	601217	HOSE, 1.50 X 24 2F1W EPDM	
19	2	472349	1/4 X 3/4 20THD-IN TEK TYPE	
20	2	164302	SOLU VLV MANIFOLD MT KEEPER97	



80' -90' OUTER BOOM SOLUTION SOLENOID

DET. QTY PART NO. DESCRIPTION

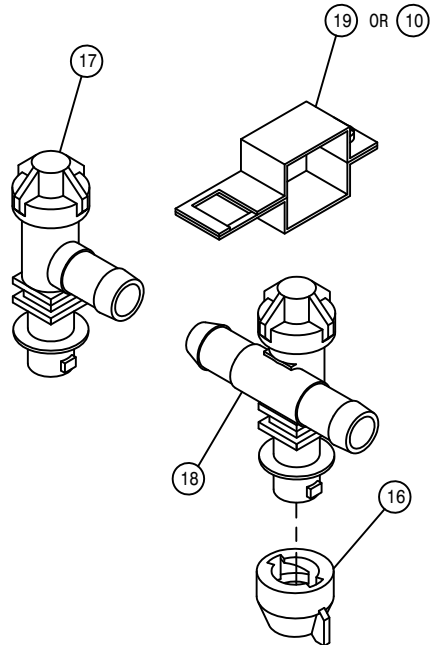
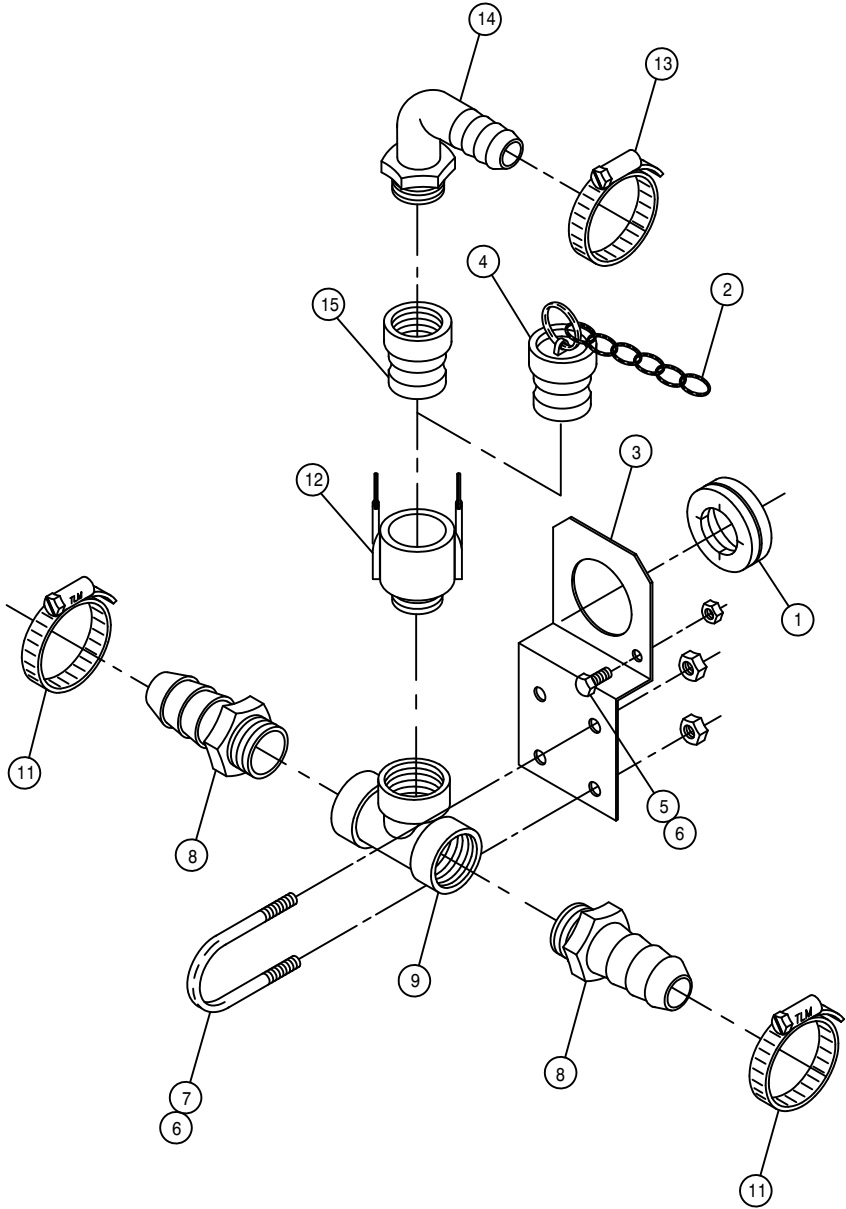
1	1	164303	SOLU VLV MT	97
2	1	164304	SOLU VLV MT KEEPER	97
3	1	500024	1"NPT-90-1"HOSE BARB, POLY	
4	1	500074	1"NPT-1" HOSE BARB, POLY	
5	1	696162	1" ELECT BALL VLV 344EC-2-1	
6	2	900007	1/4UNC X 2" HEX BOLT	
7	2	914000	1/4UNC HEX STOVER NUT	
8	2	520087	HOSE CLAMP NO 20 PLATED	

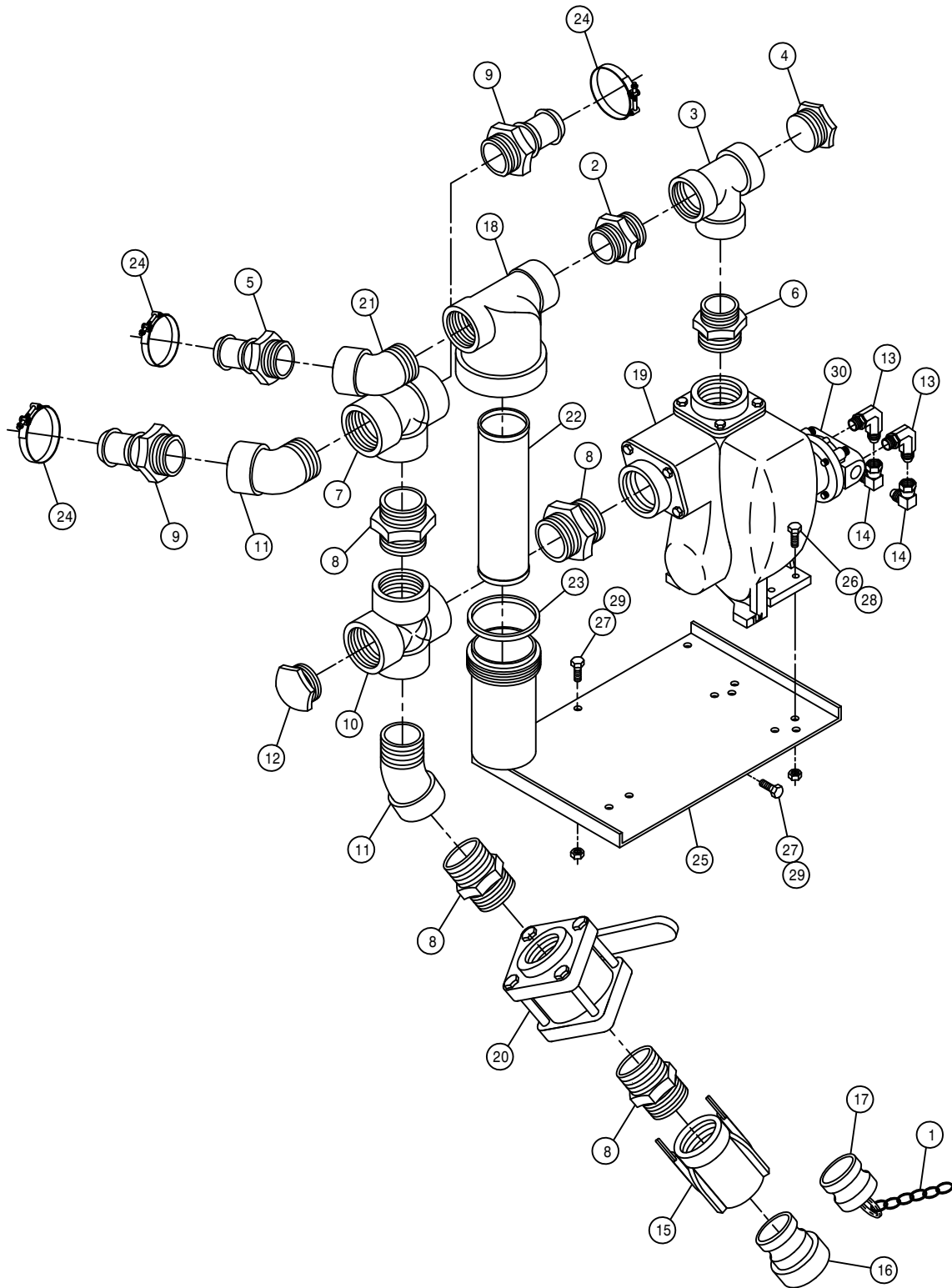


BOOM FEEDER TEE ASSEMBLY

DET. QTY PART NO. DESCRIPTION

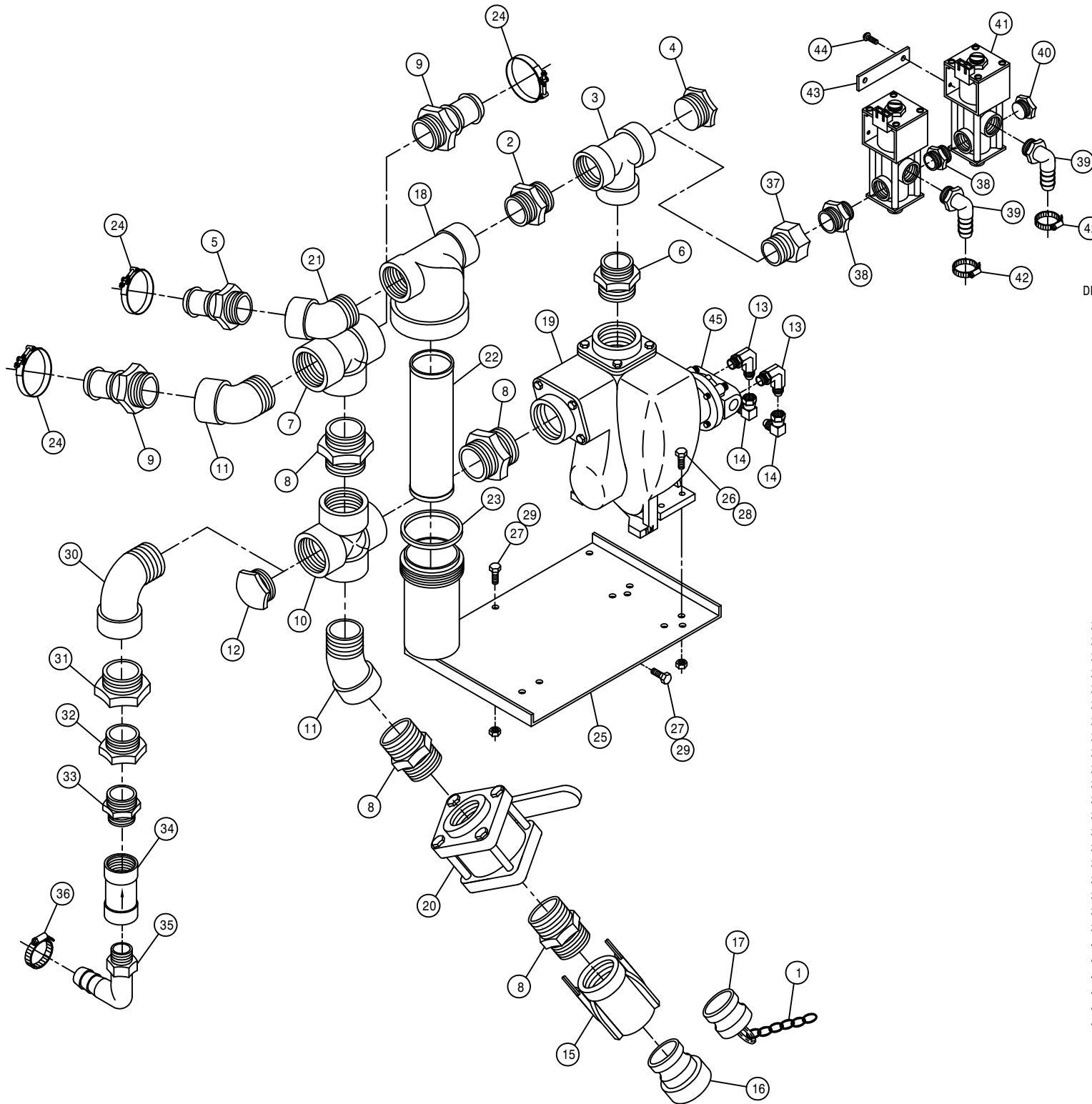
1	1	160015	2.06ID GROMMET SLIT
2	1	160986	CHAIN, 12.00 LONG
3	1	164262	FEEDER T MTG BRKT
4	1	696204	QUICK CONNECT PLUG, 3/4
5	1	900002	1/4UNC X 3/4 HEX BOLT
6	5	914000	1/4UNC HEX STOVER NUT
7	2	470237	1/4UNC-1 1/2ID-3 1/4 U-BOLT
8	2	500022	3/4NPT-3/4HOSE BARB, POLY
9	1	505218	3/4 NPT PIPE TEE, POLY
10	1	737817	NOZL MT CLMP,1.00 SQ SS,Q-TJET
11	2	520055	HOSE CLAMP NO 12 STAINLESS
12	1	696203	QUICK CONNECT CPLR MALE 3/4
13	1	520087	HOSE CLAMP NO 20 STAINLESS





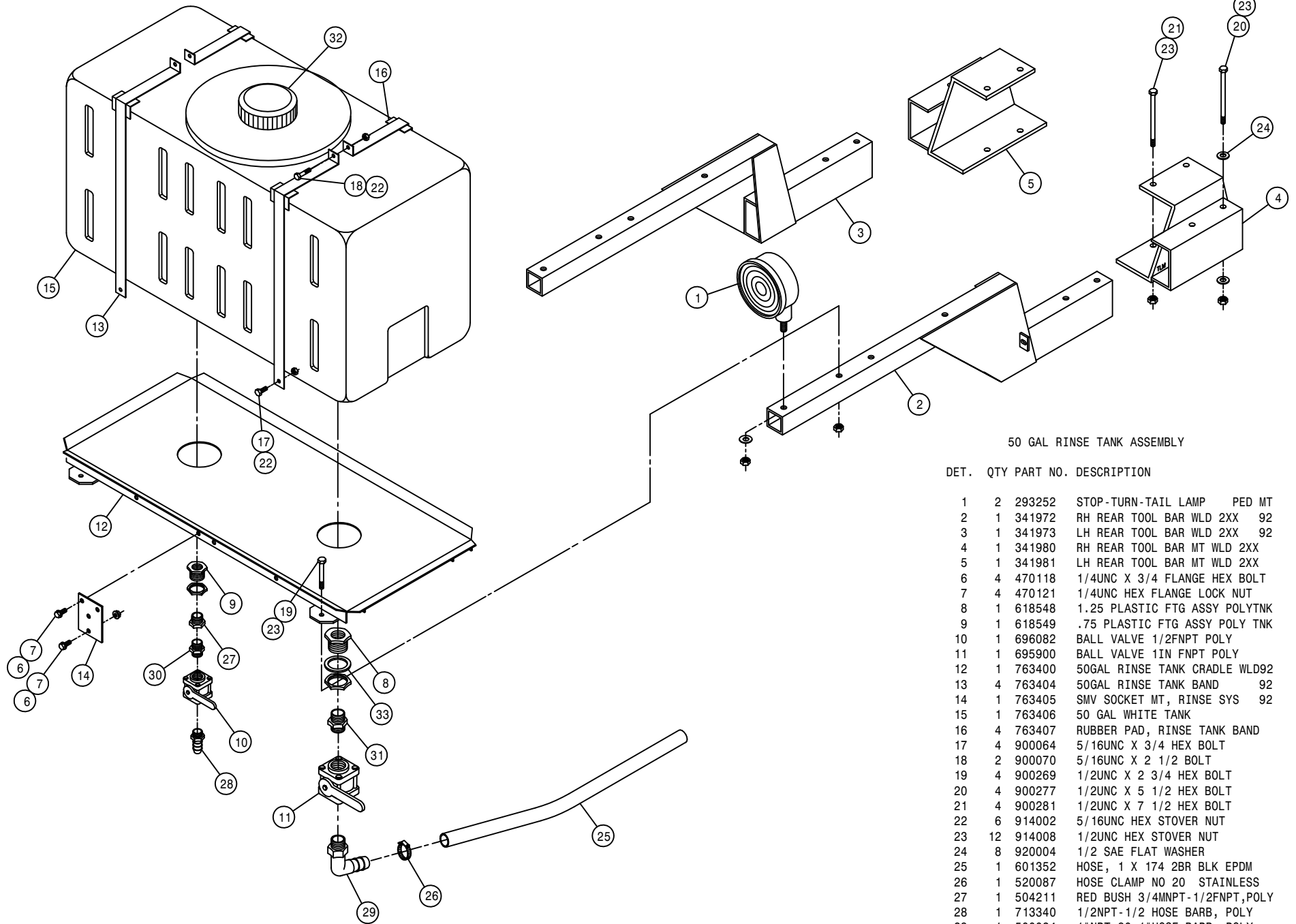
FLOMAX SOLUTION PUMP ASSEMBLY

DET.	QTY	PART NO.	DESCRIPTION
1	1	160986	CHAIN, 12.00 LONG
2	1	500028	1 1/2NPT PIPE NIPPLE, POLY
3	1	500030	1 1/2"NPT PIPE TEE, POLY
4	1	500031	1 1/2NPT PIPE PLUG, POLY
5	1	500032	1 1/2NPT X 1 1/2 H BARB, POLY
6	1	500038	2"X 1 1/2NPT REDU NIPPLE,POLY
7	1	500055	2" NPT PIPE TEE, POLY
8	4	500056	2" NPT CLOSE HEX NIPPLE, POLY
9	2	500057	2"NPT X 1 1/2 H BARB, POLY
10	1	500060	2"FNPT CROSS, POLY
11	2	500061	2"NPT-45 ST EL, POLY
12	1	500065	2"NPT PIPE PLUG, POLY
13	2	618241	3/4MJIC-90-3/4MOR LBO
14	2	618609	3/4MJIC-90-3/4FJIC SWIV LBO
15	1	690390	2.00 FEMALE NPT COUPLER
16	1	690391	2.00 FEMALE NPT ADPTR
17	1	690392	ADPTR PLG FOR 2.00 NPT COUPLR
18	1	690474	1 1/2 LINE STRAINER50M 150PSI
19	1	690552	FLOMAX 8, 2" PUMP
20	1	696134	BALL VALVE 2IN FNPT POLY
21	1	500035	1 1/2NPT-45 ST EL, POLY
22	1	690475	50 MESH SCREEN FOR 690474
23	1	690476	STRAINER GASKET FOR 690474
24	3	520133	1.81/2-.06 T-BOLT HOSE CLAMP
25	1	690530	2" SOLU PUMP MT WLD 95
26	4	900066	5/16UNC X 1 1/4 HEX BOLT
27	3	900129	3/8UNC X 1" HEX BOLT
28	4	914002	5/16UNC HEX STOVER NUT
29	3	914004	3/8UNC HEX STOVER NUT
30	1	690573	HYD MOTOR, FLOMAX HI-SPEED



FLOMAX SOLUTION PUMP ASSEMBLY WITH RINSE

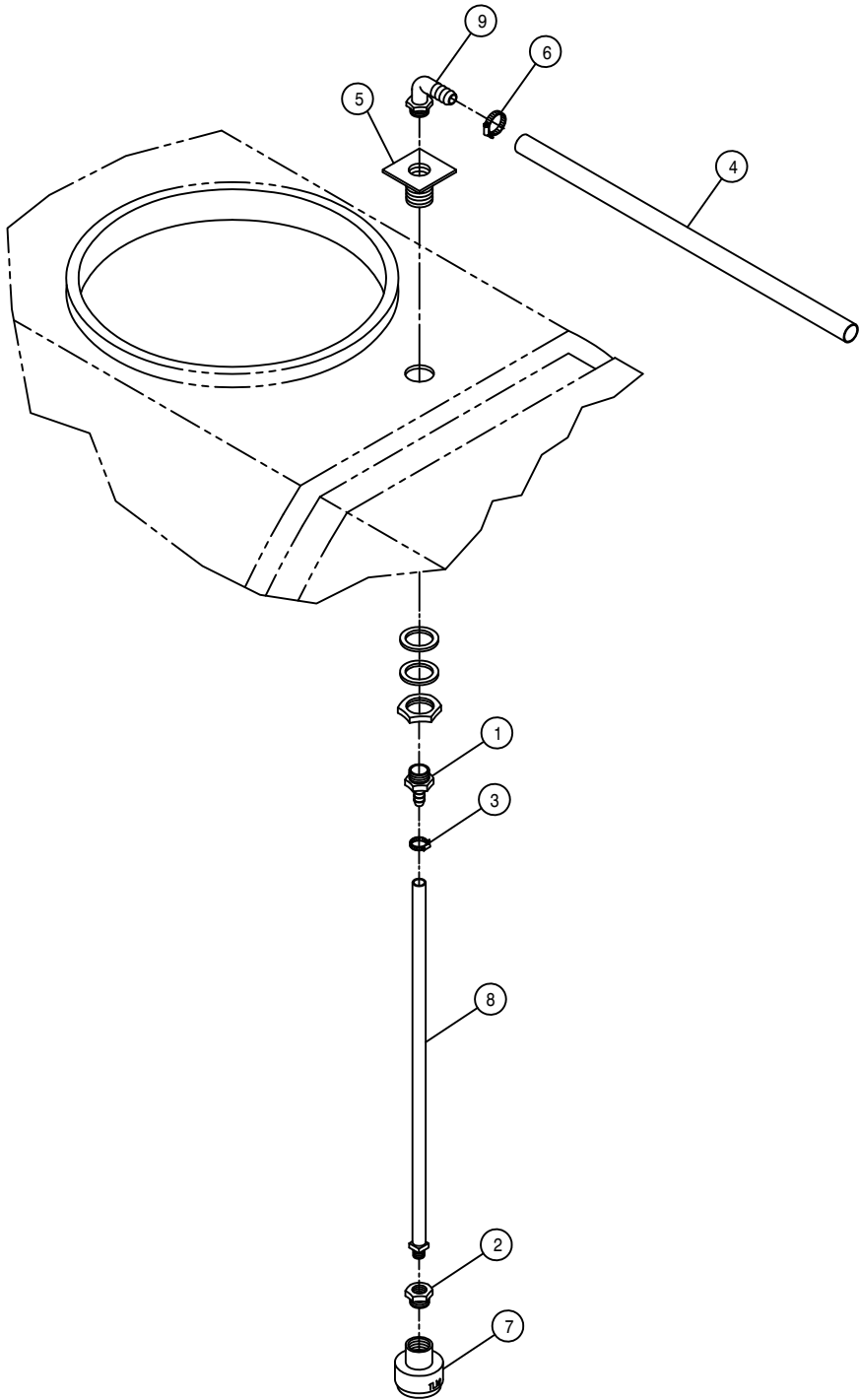
DET.	QTY	PART NO.	DESCRIPTION
1	1	160986	CHAIN, 12.00 LONG
2	1	500028	1 1/2NPT PIPE NIPPLE, POLY
3	1	500030	1 1/2"NPT PIPE TEE, POLY
4	1	500031	1 1/2NPT PIPE PLUG, POLY
5	1	500032	1 1/2NPT X 1 1/2 H BARB, POLY
6	1	500038	2" X 1 1/2NPT REDU NIPPLE, POLY
7	1	500055	2" NPT PIPE TEE, POLY
8	4	500056	2" NPT CLOSE HEX NIPPLE, POLY
9	2	500057	2"NPT X 1 1/2 H BARB, POLY
10	1	500060	2"FNPT CROSS, POLY
11	2	500061	2"NPT-45 ST EL, POLY
12	1	500065	2"NPT PIPE PLUG, POLY
13	2	618241	3/4MJIC-90-3/4MOR LBO
14	2	618609	3/4MJIC-90-3/4FJIC SWIV LBO
15	1	690390	2.00 FEMALE NPT COUPLER
16	1	690391	2.00 FEMALE NPT ADPTR
17	1	690392	ADPTR PLG FOR 2.00 NPT COUPLR
18	1	690474	1 1/2 LINE STRAINER50M 150PSI
19	1	690552	FLOMAX 8, 2" PUMP
20	1	696134	BALL VALVE 2IN FNPT POLY
21	1	500035	1 1/2NPT-45 ST EL, POLY
22	1	690475	50 MESH SCREEN FOR 690474
23	1	690476	STRAINER GASKET FOR 690474
24	3	520133	1.81/2.06 T-BOLT HOSE CLAMP
25	1	690530	2" SOLU PUMP MT WLD 95
26	4	900066	5/16UNC X 1 1/4 HEX BOLT
27	3	900129	3/8UNC X 1" HEX BOLT
28	4	914002	5/16UNC HEX STOVER NUT
29	3	914004	3/8UNC HEX STOVER NUT
30	1	500053	2"NPT-90 ST EL, POLY
31	1	500071	2" X 1 1/2NPT REDU BUSH, POLY
32	1	500037	1 1/2"X 1 1/4NPT BUSH, POLY
33	1	500052	1 1/4 X 1NPT REDU NIPPLE, POLY
34	1	690488	1.00 CHECK VLV, SPRING LOADED
35	1	500024	1"NPT-90-1"HOSE BARB, POLY
36	1	520087	HOSE CLAMP NO 20 STAINLESS
37	1	500040	1 1/2 X 3/4 NPT BUSH, POLY
38	2	690098	3/4NPT CLOSE NIPPLE, POLY
39	2	500047	1/2NPT-90-1/2 HOSE BARB, POLY
40	1	500043	3/4NPT PIPE PLUG, POLY
41	2	695952	SOLUTION VALVE, AA144-1 VITON
42	2	520070	HOSE CLAMP NO 8 STAINLESS
43	1	342014	SOLENOID KEEPER, RINSE SYS
44	2	472199	10-24 X 1/2 RD HD MACH SCR
45	1	690573	HYD MOTOR, FLOMAX HI-SPEED



50 GAL RINSE TANK ASSEMBLY

DET.	QTY	PART NO.	DESCRIPTION
1	2	293252	STOP-TURN-TAIL LAMP PED MT
2	1	341972	RH REAR TOOL BAR WLD 2XX 92
3	1	341973	LH REAR TOOL BAR WLD 2XX 92
4	1	341980	RH REAR TOOL BAR MT WLD 2XX
5	1	341981	LH REAR TOOL BAR MT WLD 2XX
6	4	470118	1/4UNC X 3/4 FLANGE HEX BOLT
7	4	470121	1/4UNC HEX FLANGE LOCK NUT
8	1	618548	1.25 PLASTIC FTG ASSY POLYTNK
9	1	618549	.75 PLASTIC FTG ASSY POLY TNK
10	1	696082	BALL VALVE 1/2FNPT POLY
11	1	695900	BALL VALVE 1IN FNPT POLY
12	1	763400	50GAL RINSE TANK CRADLE WLD92
13	4	763404	50GAL RINSE TANK BAND 92
14	1	763405	SMV SOCKET MT, RINSE SYS 92
15	1	763406	50 GAL WHITE TANK
16	4	763407	RUBBER PAD, RINSE TANK BAND
17	4	900064	5/16UNC X 3/4 HEX BOLT
18	2	900070	5/16UNC X 2 1/2 BOLT
19	4	900269	1/2UNC X 2 3/4 HEX BOLT
20	4	900277	1/2UNC X 5 1/2 HEX BOLT
21	4	900281	1/2UNC X 7 1/2 HEX BOLT
22	6	914002	5/16UNC HEX STOVER NUT
23	12	914008	1/2UNC HEX STOVER NUT
24	8	920004	1/2 SAE FLAT WASHER
25	1	601352	HOSE, 1 X 174 2BR BLK EPDM
26	1	520087	HOSE CLAMP NO 20 STAINLESS
27	1	504211	RED BUSH 3/4MNPT-1/2FNPT,POLY
28	1	713340	1/2NPT-1/2 HOSE BARB, POLY
29	1	500024	1"NPT-90-1"HOSE BARB, POLY
30	1	503101	1/2NPT CLOSE NIPPLE, POLY
31	1	500052	1 1/4 X 1NPT REDU NIPPLE,POLY
32	1	690511	LID, RAVEN RINSE TANK 763406
33	1	763430	1 1/4 TANK FLANGE RUBBER SEAL

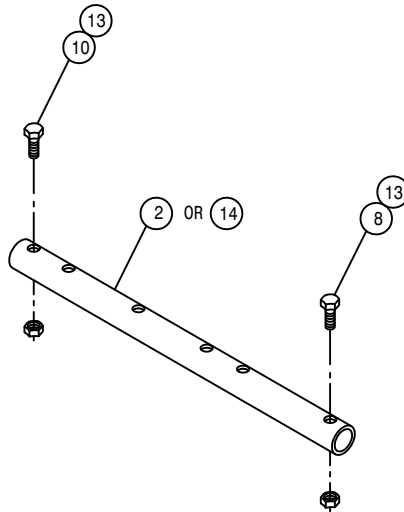
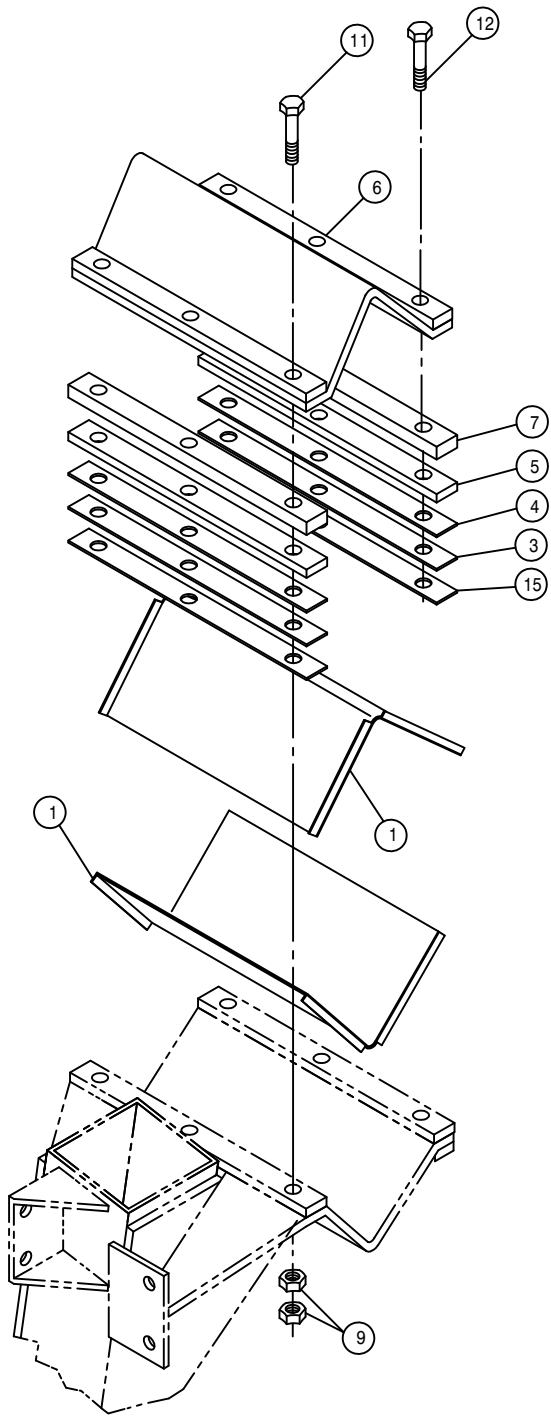




RINSE NOZZLE ASSEMBLY

DET. QTY PART NO. DESCRIPTION

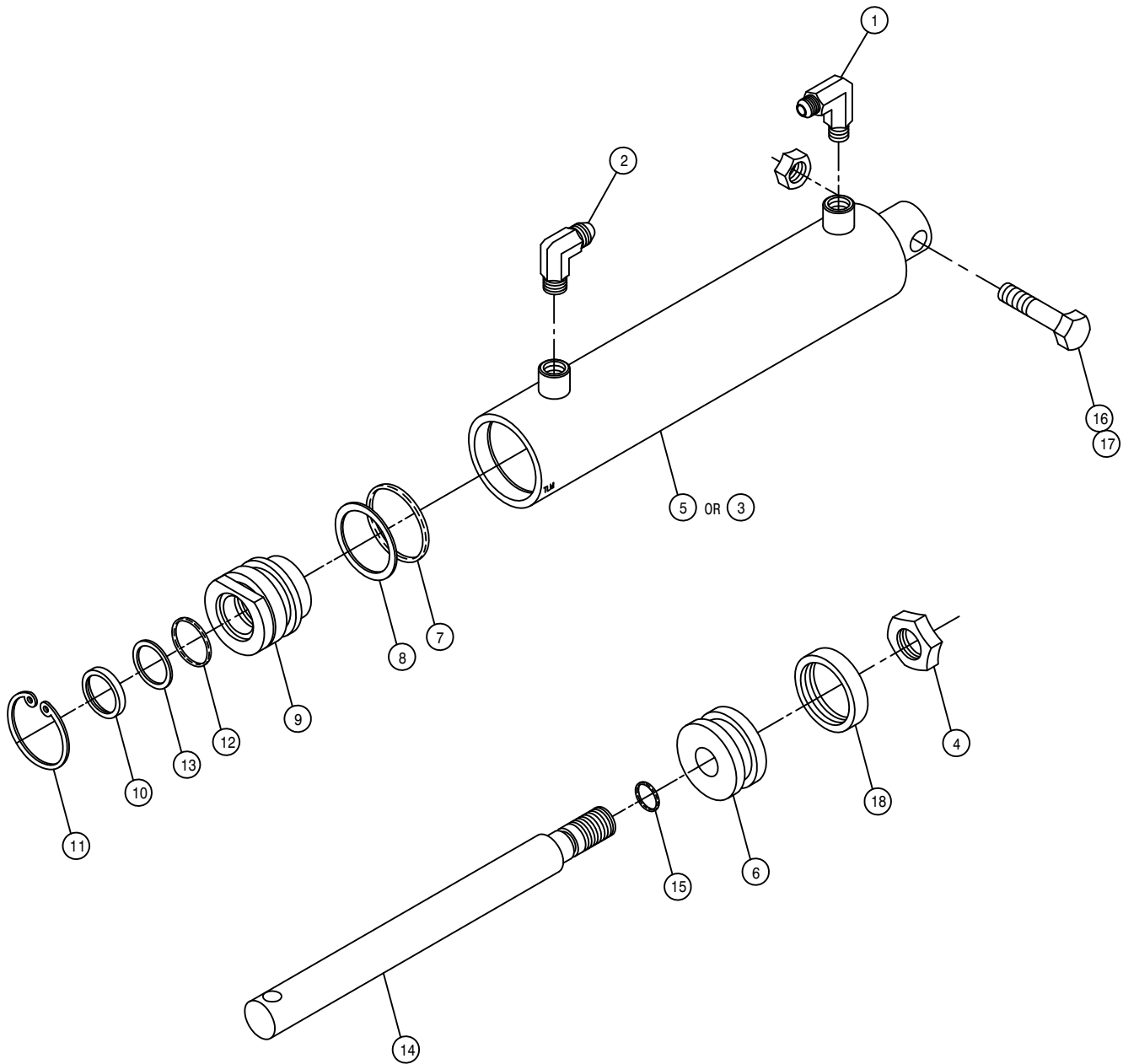
1	1	500027	3/4NPT-3/8 HOSE BARB, POLY
2	1	504002	RED BUSH 3/4 TO 1/4, POLY
3	1	520120	HOSE CLAMP NO 4 PLATED MINI
4	1	601164	HOSE, 1/2 X 117 1BR BLK EPD
5	1	618549	.75 PLASTIC FTG ASSY POLY TNK
6	1	520070	HOSE CLAMP NO 8 PLATED
7	1	737873	ROTARY NOZZLE, TEFLON
8	1	737821	QUICK TEEJET HOSE DROP 24IN
9	1	500041	3/4NPT-90-1/2"HOSE BARB, POLY



TREAD ADJUSTMENT ASSEMBLY

DET. QTY PART NO. DESCRIPTION

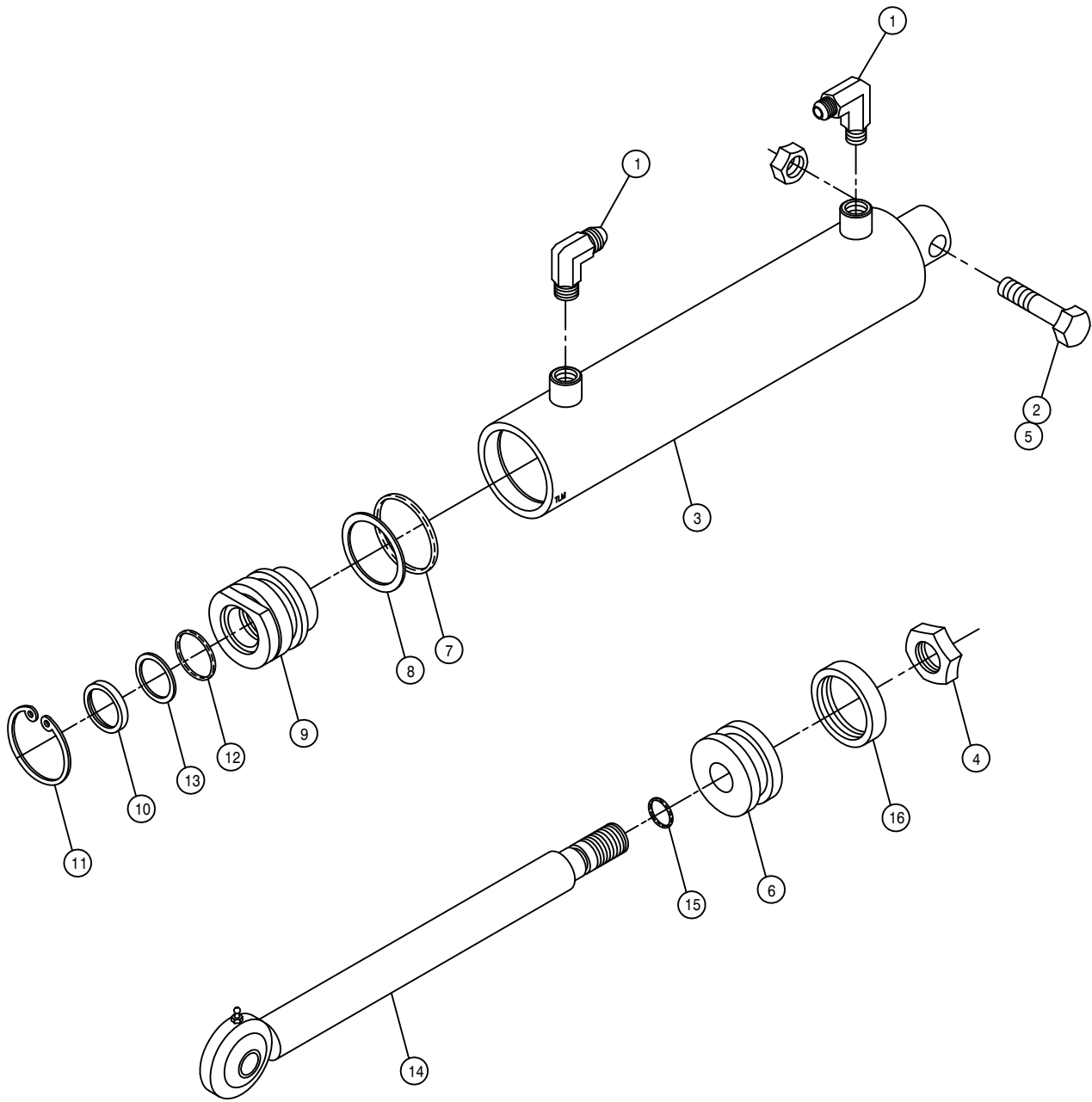
1	2	358703	TREAD ADJ XMBR BEARING ASSY	
2	1	358747	TREAD ADJ CYL EXT TUBE	94
3	2	358767	.025 LEG MT SHIM, 284T	94
4	2	358752	.074 LEG MT SHIM, 284T	94
5	2	358769	.250 LEG MT SHIM, 284T	94
6	1	358759	LEG MT V-PLT WLD, 284T	94
7	2	358766	.375 LEG MT SPACER, 284T	94
8	1	900268	1/2UNC X 2 1/2 HEX BOLT	
9	12	914811	5/8UNF HEX NUT GR8	
10	1	900267	1/2UNC X 2" HEX BOLT	
11	3	900837	5/8UNF X 3 1/2 HEX BOLT GR8	
12	3	900838	5/8UNF X 4" HEX BOLT GR8	
13	2	914008	1/2UNC HEX STOVER NUT	
14	1	358802	TREAD ADJ CYL EXT TUBE, 284W95	
15	2	358768	.037 LEG MT SHIM, 284T	94



TREAD ADJUSTMENT LEG CYLINDER ASSEMBLY

DET.	QTY	PART NO.	DESCRIPTION
1	1	614710	RESTRICTOR ELBOW ASSY .025DIA
2	1	611122	9/16MJIC-90-1/4MNPT LBO
3	1	620119	LH CYL TUBE WLD,LEG,TREAD ADJ
4	1	472297	3/4UNF HEX STOVER NUT THIN
5	1	620118	RH CYL TUBE WLD,LEG,TREAD ADJ
6	1	620081	PISTON 2 X 1 ZAMAC ORING TYPE
7	1	870326	BUNA ORING 1 5/8 X 2
8	1	890326	BACKUP WASH 1 5/8 X 2 LEATH
9	1	620082	GLAND 2 IN X 1 IN ZAMAC
10	1	629003	WIPER 1 X 1 1/4 X 1/8
11	1	629505	SNAP RING 2 IN INTRN
12	1	870214	BUNA ORING 1 X 1 1/4
13	1	890214	BACKUP WASH 1 X 1 1/4 HT2022
14	1	620111	TREAD ADJ HYD LEG CYL SHAFT
15	1	870113	BUNA ORING 9/16 X 3/4
16	1	900268	1/2UNC X 2 1/2 HEX BOLT
17	1	914008	1/2UNC HEX STOVER NUT
18	1	860326	CROWN SEAL, 2" PISTON, HYD

NOTE: 1. 620120 - RH LEG TREAD ADJ CYLINDER ASSEMBLY  
 2. 620121 - LH LEG TREAD ADJ CYLINDER ASSEMBLY  
 3. 620083 - SEAL KIT

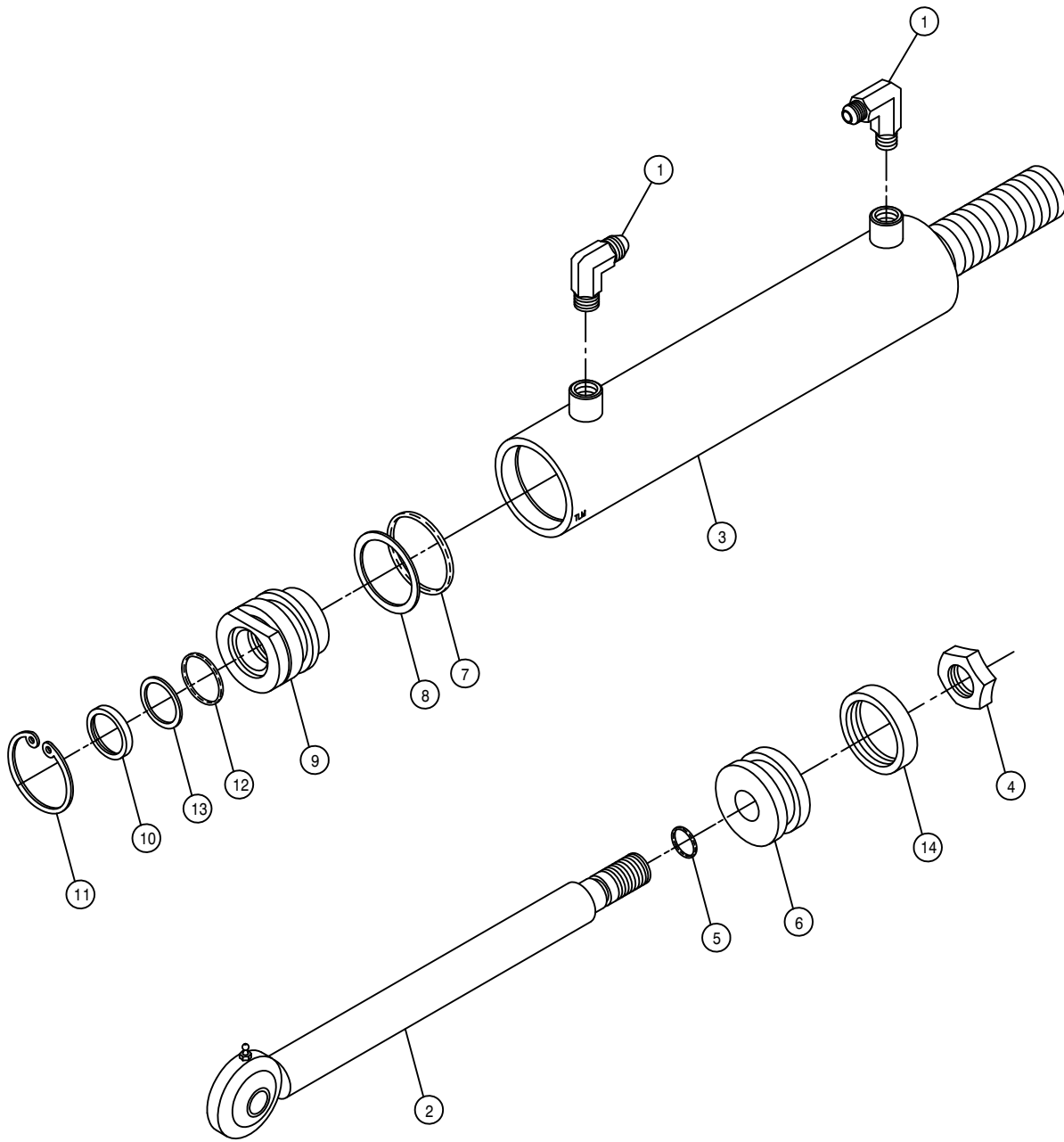


125" TIE ROD TREAD ADJ CYLINDER ASSEMBLY

DET. QTY PART NO. DESCRIPTION

1	2	614710	RESTRICTOR ELBOW ASSY .025DIA
2	1	900268	1/2UNC X 2 1/2 HEX BOLT
3	1	620124	CYL TUBE WLD,STRG, 125" TA 94
4	1	472297	3/4UNF HEX STOVER NUT THIN
5	1	914008	1/2UNC HEX STOVER NUT
6	1	620081	PISTON 2 X 1 ZAMAC ORING TYPE
7	1	870326	BUNA ORING 1 5/8 X 2
8	1	890326	BACKUP WASH 1 5/8 X 2 LEATH
9	1	620126	GLAND 2.00 OD X 1.25 ID, ALUM
10	1	629002	WIPER 1 1/4 X 1 1/2 X 1/8
11	1	629505	SNAP RING 2 IN INTRN
12	1	870218	BUNA ORING 1 1/4 X 1 1/2
13	1	890218	BACKUP WASH1 1/4X1 1/2 HT2022
14	1	620130	CYL SHAFT WLD,STRG,TREADADJ94
15	1	870113	BUNA ORING 9/16 X 3/4
16	1	860326	CROWN SEAL, 2" PISTON, HYD

NOTE: 1. 620123 - 125" TREAD ADJ STEERING CYLINDER ASSEMBLY  
 2. 620132 - SEAL KIT



90" TIE ROD TREAD ADJ CYLINDER ASSEMBLY

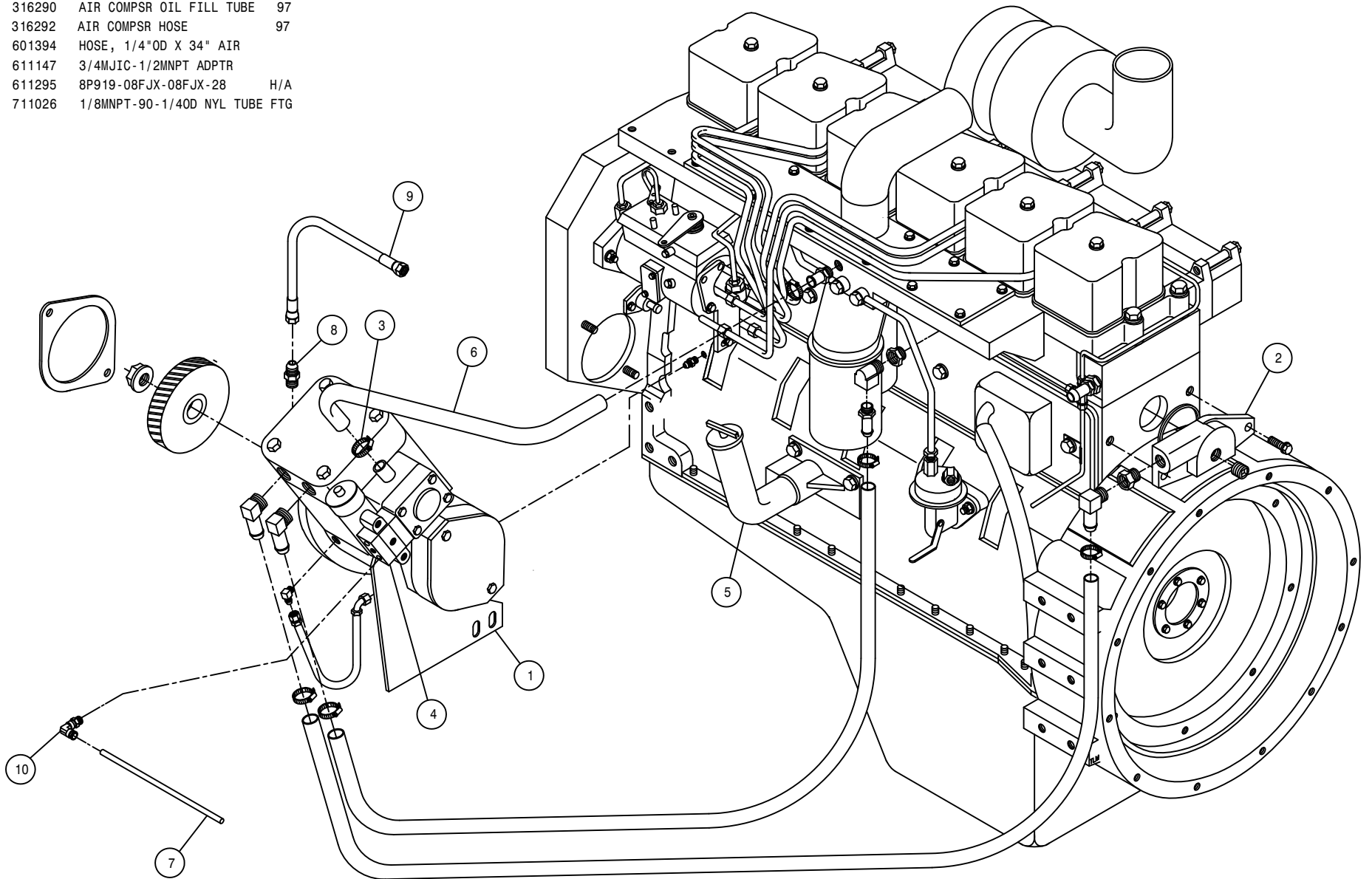
DET.	QTY	PART NO.	DESCRIPTION
1	2	614710	RESTRICTOR ELBOW ASSY .025DIA
2	1	620130	CYL SHAFT WLD, STRG, TREADADJ94
3	1	620116	TREAD ADJ STRG CYL TUBE WLD
4	1	472297	3/4UNF HEX STOVER NUT THIN
5	1	870113	BUNA ORING 9/16 X 3/4
6	1	620081	PISTON 2 X 1 ZAMAC ORING TYPE
7	1	870326	BUNA ORING 1 5/8 X 2
8	1	890326	BACKUP WASH 1 5/8 X 2 LEATH
9	1	620126	GLAND 2.00 OD X 1.25 ID, ALUM
10	1	629002	WIPER 1 1/4 X 1 1/2 X 1/8
11	1	629505	SNAP RING 2 IN INTRN
12	1	870218	BUNA ORING 1 1/4 X 1 1/2
13	1	890218	BACKUP WASH 1 1/4 X 1 1/2 HT2022
14	1	860326	CROWN SEAL, 2" PISTON, HYD

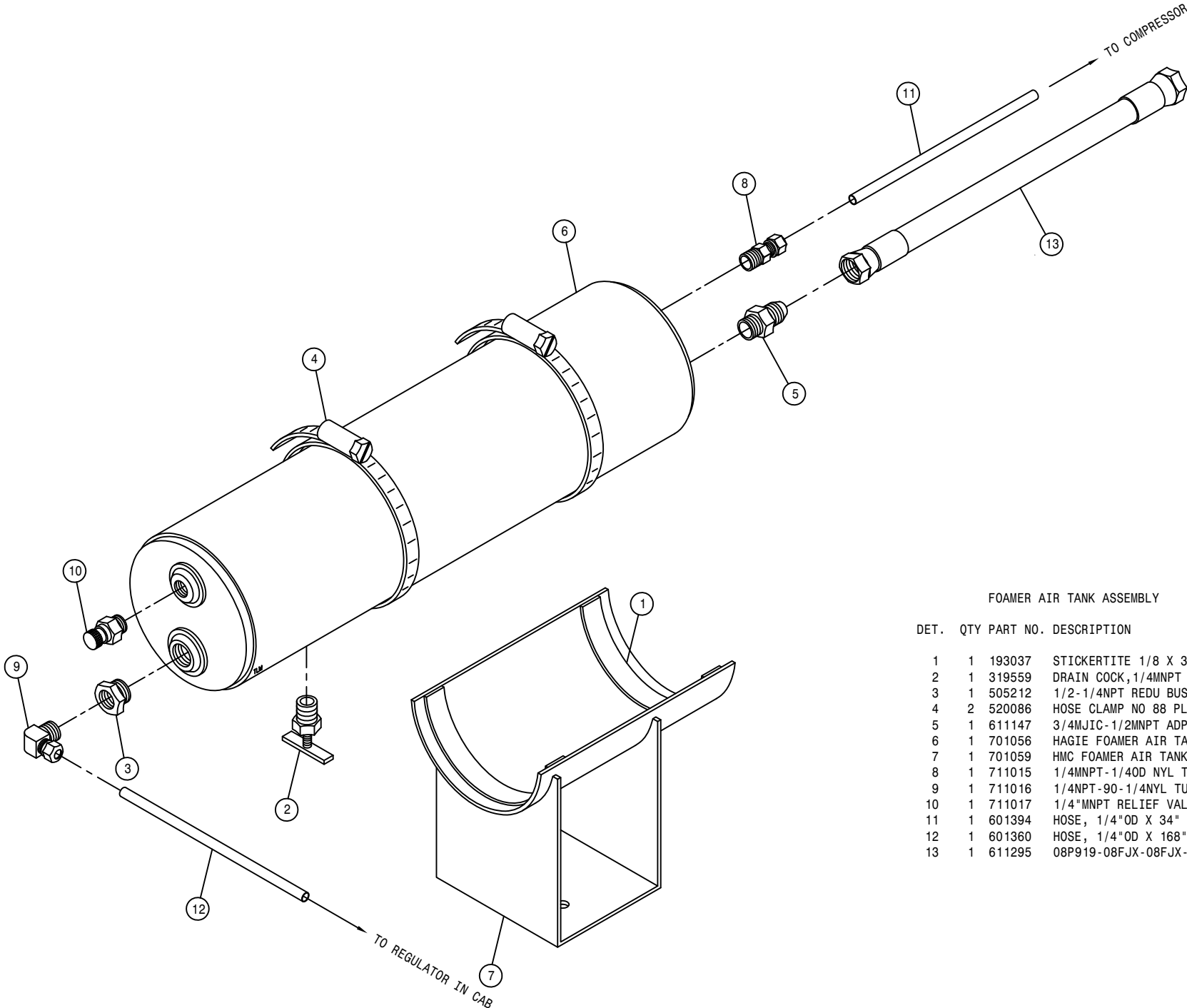
NOTE: 1. 620122 - 90" TREAD ADJ STEERING CYLINDER ASSEMBLY  
 2. 620132 - SEAL KIT

CUMMINS AIR COMPRESSOR OPTION

DET. QTY PART NO. DESCRIPTION

1	1	316287	AIR COMPRESSOR, CUMM	97
2	1	316288	AIR COMPSR TUBING	97
3	2	316293	AIR COMPSR CLAMP	97
4	1	316289	AIR COMPSR GOVENOR	97
5	1	316290	AIR COMPSR OIL FILL TUBE	97
6	1	316292	AIR COMPSR HOSE	97
7	1	601394	HOSE, 1/4"OD X 3/4" AIR	
8	1	611147	3/4MJIC-1/2MNPT ADPTR	
9	1	611295	8P919-08FJX-08FJX-28	H/A
10	1	711026	1/8MNPT-90-1/4OD NYL TUBE FTG	





FOAMER AIR TANK ASSEMBLY

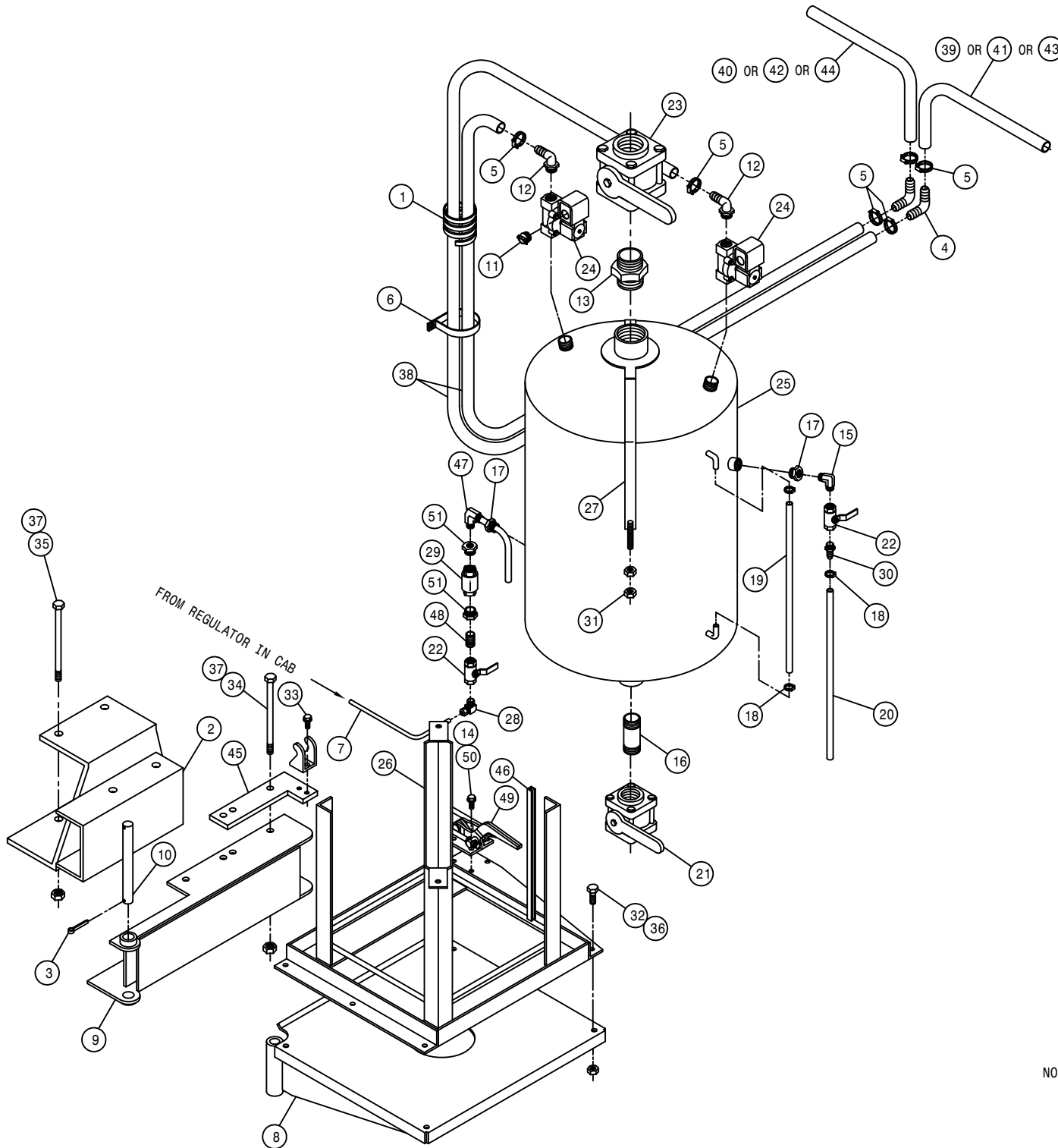
DET.	QTY	PART NO.	DESCRIPTION
1	1	193037	STICKERTITE 1/8 X 3/4
2	1	319559	DRAIN COCK, 1/4MNPT EXT ST BRS
3	1	505212	1/2-1/4NPT REDU BUSH, BRS
4	2	520086	HOSE CLAMP NO 88 PLATED
5	1	611147	3/4MJIC-1/2MNPT ADPTR
6	1	701056	HAGIE FOAMER AIR TANK WLD 95
7	1	701059	HMC FOAMER AIR TANK MT WLD 95
8	1	711015	1/4MNPT-1/4OD NYL TUBE FTGBRS
9	1	711016	1/4NPT-90-1/4NYL TUBE FTG BRS
10	1	711017	1/4"MNPT RELIEF VALVE
11	1	601394	HOSE, 1/4"OD X 34" AIR
12	1	601360	HOSE, 1/4"OD X 168" AIR
13	1	611295	08P919-08FJX-08FJX-28 H/A

FOAM MARKER TANK ASSEMBLY

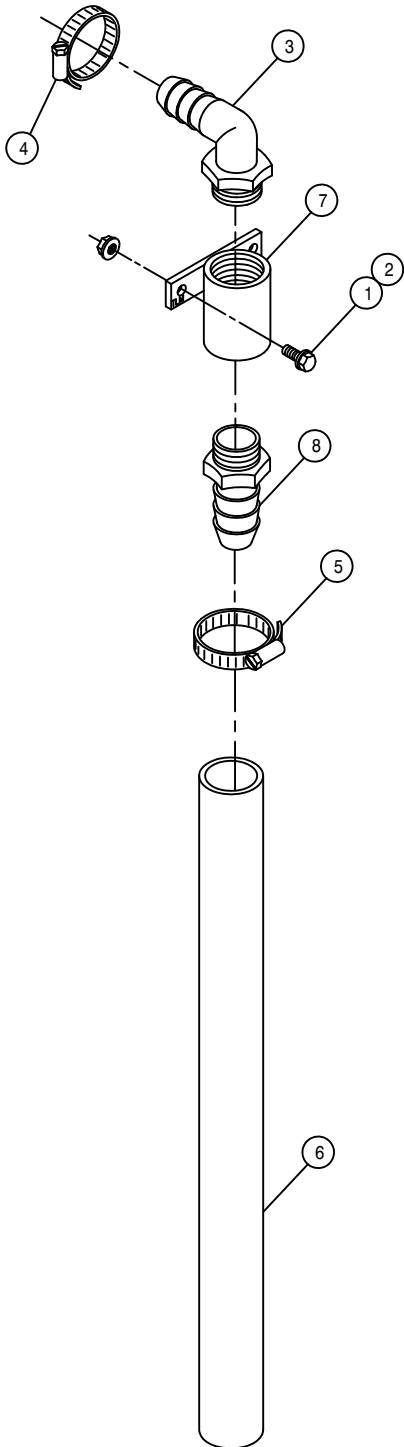
DET. QTY PART NO. DESCRIPTION

1	2	193002	SPIRAL PROTECTIVE WRAP, BLACK
2	1	341980	RH REAR TOOL BAR MT WLD 2XX
3	2	470039	COTTER PIN 3/16 X 1 1/4 SQ CUT
4	2	500069	3/4-90-3/4 HOSE BARB, POLY
5	6	520055	HOSE CLAMP NO 12 STAINLESS
6	1	520126	CUSH HOSE CLAMP 2IN X 5/8W
7	1	601366	HOSE, 1/4 X 192 AIR
8	1	701043	HAGIE FOAMER BASE WLD 95
9	1	701048	HAGIE FOAMER BASE MT WLD 95
10	1	701055	HMC FOAMER BASE PIVOT PIN 95
11	3	293056	ROMEX CONNECTOR .50IN 2-SCR
12	2	500054	3/4NPT-90-3/4 HOSE BARB, POLY
13	1	500056	2" NPT CLOSE HEX NIPPLE, POLY
14	4	470233	5/16UNC X 3/4 FLANGE HEX BOLT
15	1	502705	1/4NPT-90-1/4NPT LBO, BRS
16	1	505202	BLK PIPE NIPPLE 1.00NPT-2.00
17	2	505211	3/8-1/4NPT REDU BUSH, BRS
18	3	520120	HOSE CLAMP NO 4 STAINLESS
19	1	601364	HOSE, 3/8 X 16 CLEAR VINYL
20	1	601370	HOSE, 3/8 X 30 CLEAR VINYL
21	1	695900	BALL VALVE 1IN FNPT POLY
22	2	696120	BALL VALVE, 1/4NPT, STEEL
23	1	696134	BALL VALVE 2IN FNPT POLY
24	2	696163	3/4" ELECT SOLENOID VALVE
25	1	701091	FOAM MARKER TANK, 20 GAL SS
26	1	701093	FOAM MARKER TANK MT WLD
27	1	701099	FOAM MARKER TANK STRAP WLD
28	1	711016	1/4NPT-90-1/4NYL TUBE FTG BRS
29	1	711050	3/4"FNPT CHECK VALVE S.S.
30	1	783304	1/4 NPT X 3/8 HOSE BARB, BRS
31	4	910004	3/8UNC HEX NUT
32	4	900129	3/8UNC X 1" HEX BOLT
33	2	470232	5/16UNC X 1/2 FLANGE HEX BOLT
34	2	900278	1/2UNC X 6" HEX BOLT
35	2	900281	1/2UNC X 7 1/2 HEX BOLT
36	4	914004	3/8UNC HEX STOVER NUT
37	4	914008	1/2UNC HEX STOVER NUT
38	2	195908	HOSE, 3/4ID-1/8W CLEAR VINYL X 168.00
39	1	195908	HOSE, 3/4ID-1/8W CLEAR VINYL X 588.00
40	1	195908	HOSE, 3/4ID-1/8W CLEAR VINYL X 612.00
41	1	195908	HOSE, 3/4ID-1/8W CLEAR VINYL X 708.00
42	1	195908	HOSE, 3/4ID-1/8W CLEAR VINYL X 732.00
43	1	195908	HOSE, 3/4ID-1/8W CLEAR VINYL X 768.00
44	1	195908	HOSE, 3/4ID-1/8W CLEAR VINYL X 792.00
45	1	701105	FOAM MARKER TANK LATCH MT
46	8	193016	QUICKEDGE TRIM .060 TO .170
47	1	701109	SUB>701142:FOAMR DROP TUBE WLD
48	1	502707	PIPE NIP, 1/4NPT HEX CLOSE, BRS
49	1	470238	DE-STA-CO CLAMP, TC-341 LATCH
50	4	470113	5/16UNC HEX FLANGE LOCK NUT
51	2	507724	REDU BUSH 3/4MNPT X 1/4FNPT, SS

NOTE: 1. DETAIL 39 AND 40 ARE USED WITH THE 60 FT BOOM.  
 2. DETAIL 41 AND 42 ARE USED WITH THE 80 FT BOOM.  
 3. DETAIL 43 AND 44 ARE USED WITH THE 90 FT BOOM.



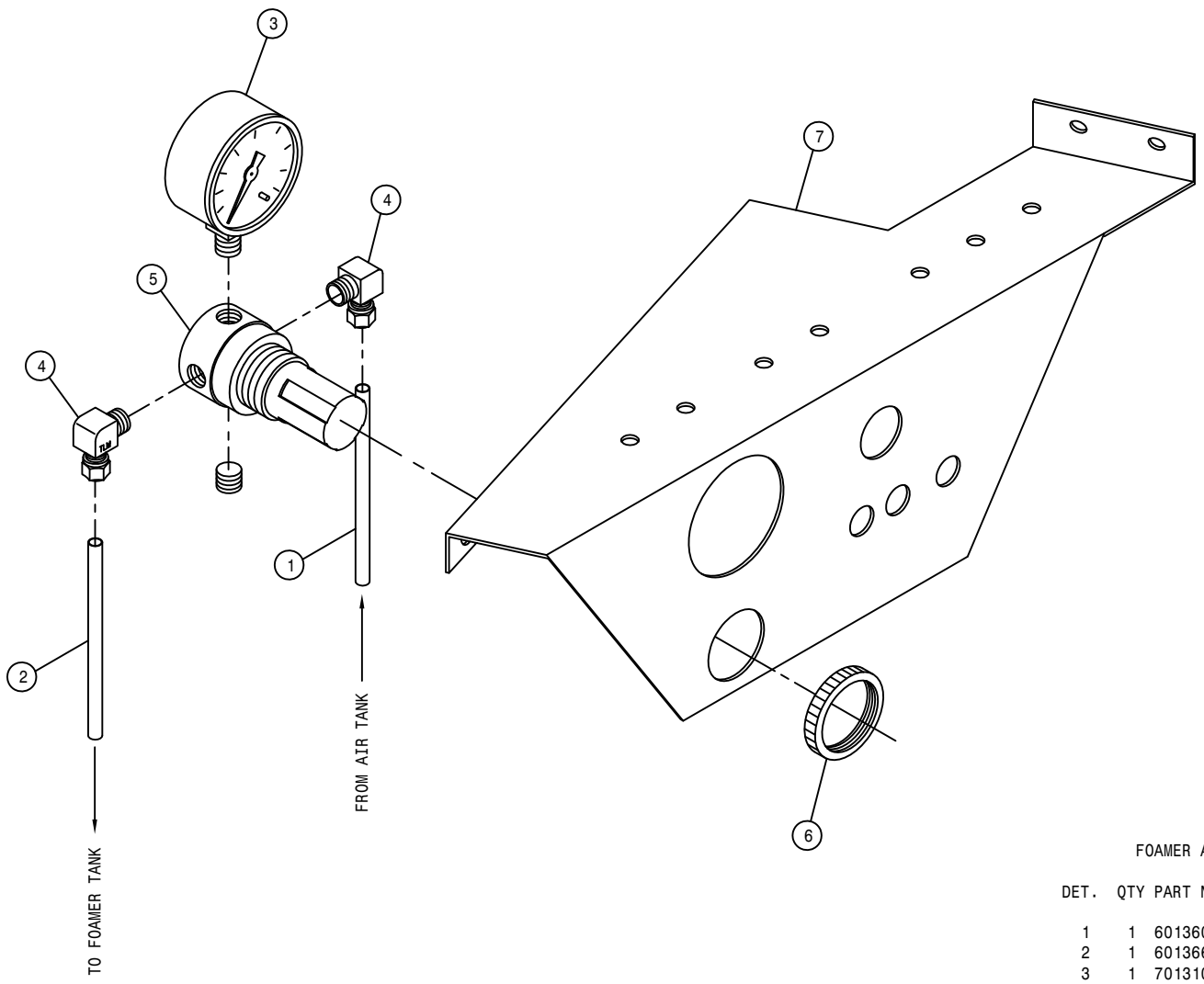




FOAMER DROP END ASSEMBLY

DET. QTY PART NO. DESCRIPTION

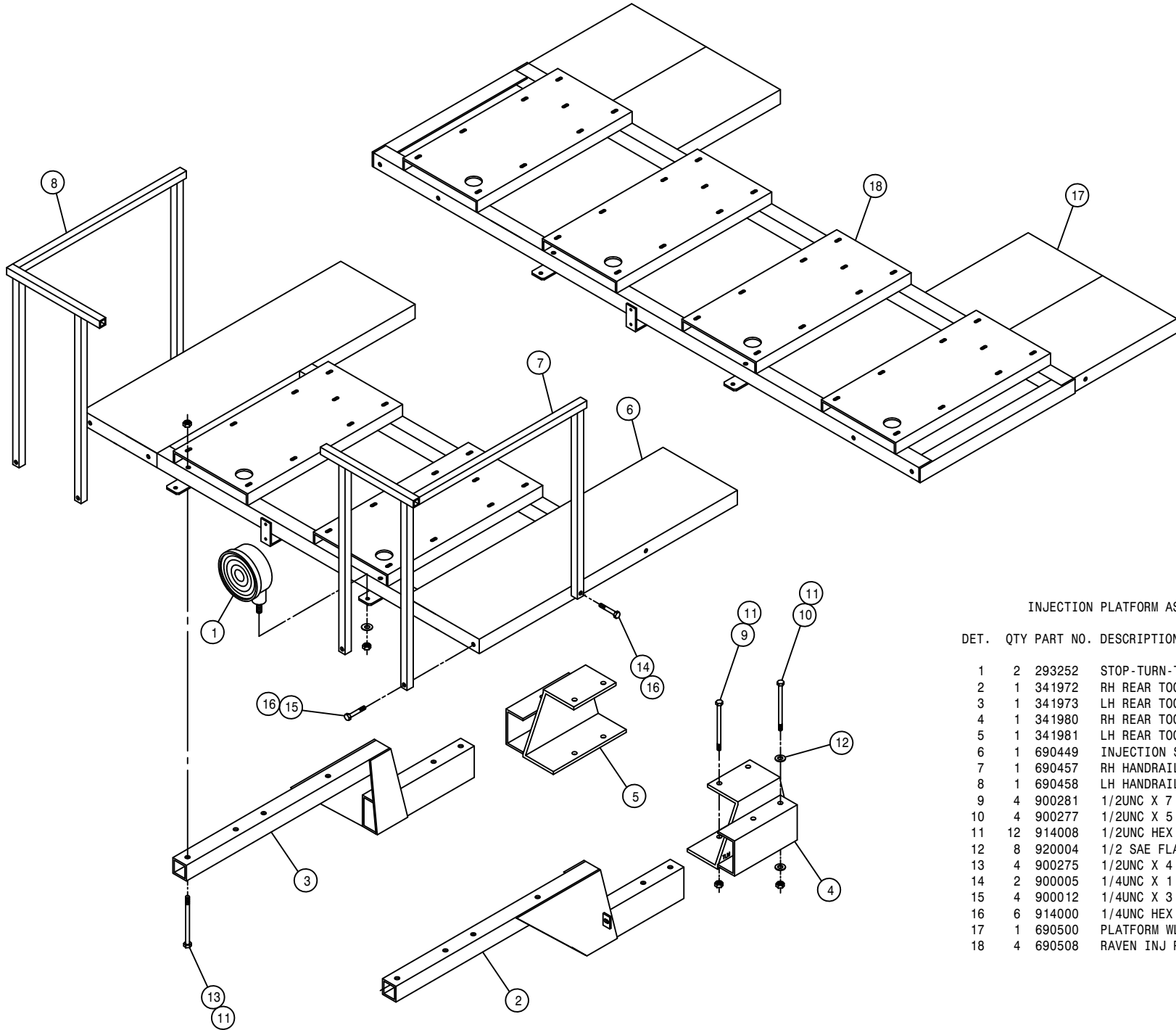
1	2	470118	1/4UNC X 3/4 FLANGE HEX BOLT
2	2	470121	1/4UNC HEX FLANGE LOCK NUT
3	1	500067	1 NPT-90-3/4 HOSE BARB, POLY
4	1	520055	HOSE CLAMP NO 12 STAINLESS
5	1	520085	HOSE CLAMP NO 24 STAINLESS
6	1	601367	HOSE, 1 1/4 X 24 2BR BLK EPDM
7	1	701102	FOAM MARKER DROP CPLR WELD
8	1	714561	1.00NPT-1.25 HOSE BARB



FOAMER AIR REGULATOR ASSEMBLY

DET. QTY PART NO. DESCRIPTION

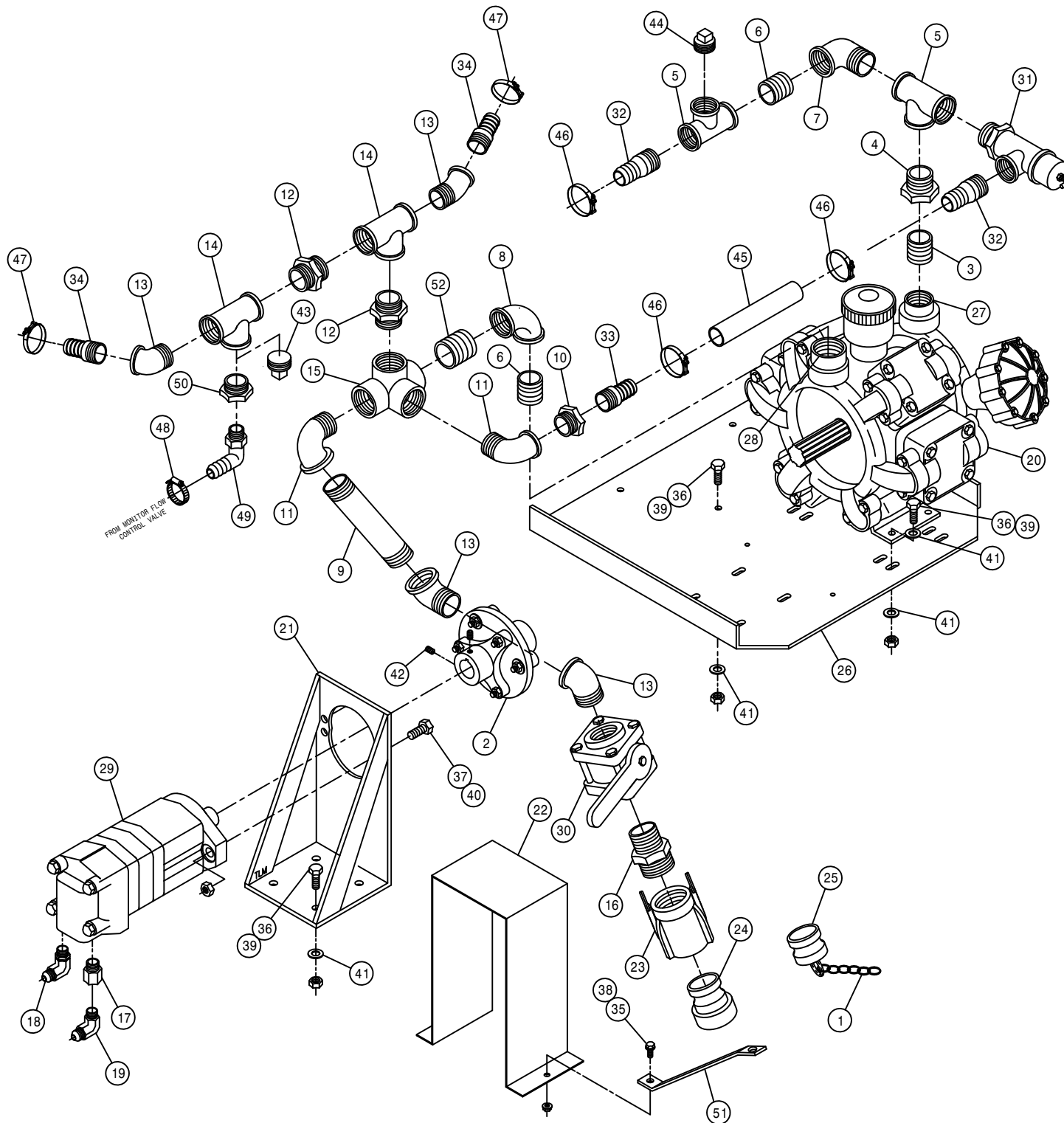
1	1	601360	HOSE, 1/4"OD X 168" AIR
2	1	601366	HOSE, 1/4"OD X 192" AIR
3	1	701310	AIR PRESS GAUGE, 1/8"BOT
4	2	711016	1/4NPT-90-1/4NYL TUBE FTG BRS
5	1	711019	1/4"MNPT AIR REGULATOR
6	1	711021	1 1/4-18 NUT,AIR REGULATOR MT
7	1	342215	MONITOR MT, 284 CAB



INJECTION PLATFORM ASSEMBLY

DET.	QTY	PART NO.	DESCRIPTION
1	2	293252	STOP-TURN-TAIL LAMP PED MT
2	1	341972	RH REAR TOOL BAR WLD 2XX 92
3	1	341973	LH REAR TOOL BAR WLD 2XX 92
4	1	341980	RH REAR TOOL BAR MT WLD 2XX
5	1	341981	LH REAR TOOL BAR MT WLD 2XX
6	1	690449	INJECTION SYS MT/PLATFORM WLD
7	1	690457	RH HANDRAIL WLD, INJ PLATFORM
8	1	690458	LH HANDRAIL WLD, INJ PLATFORM
9	4	900281	1/2UNC X 7 1/2 HEX BOLT
10	4	900277	1/2UNC X 5 1/2 HEX BOLT
11	12	914008	1/2UNC HEX STOVER NUT
12	8	920004	1/2 SAE FLAT WASHER
13	4	900275	1/2UNC X 4 1/2 HEX BOLT
14	2	900005	1/4UNC X 1 1/2 HEX BOLT
15	4	900012	1/4UNC X 3 1/2 HEX BOLT
16	6	914000	1/4UNC HEX STOVER NUT
17	1	690500	PLATFORM WLD, 3 & 4 UNIT SYS
18	4	690508	RAVEN INJ PUMP/TANK MT CHAN

DET. QTY PART NO. DESCRIPTION



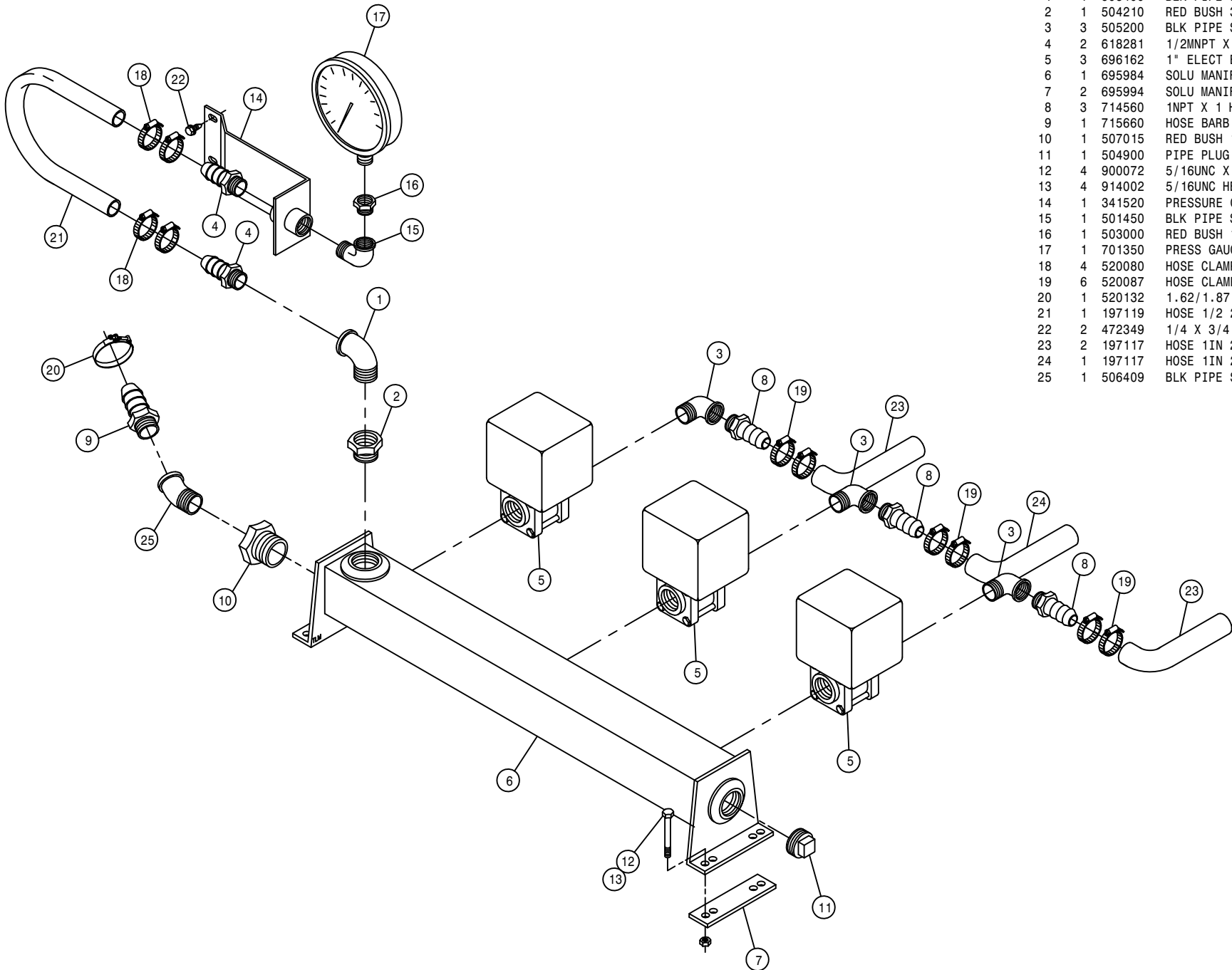
DET.	QTY	PART NO.	DESCRIPTION
1	1	160986	TWIN LOOP CHAIN 6 LINKS
2	1	314690	FLEX COUPLER, 6 IN DISC 1981
3	1	505201	CLOSE NIPPLE 1.00NPT
4	1	506005	1 1/4 TO 1 RED BUSH BLK MAL
5	2	506105	BLK PIPE TEE 1.25NPT
6	2	506200	CLOSE NIPPLE 1.25NPT
7	1	506410	BLK PIPE ST EL 90DEG 1.25NPT
8	1	506415	RED EL 90 1 1/2 TO 1 1/4 MAL
9	1	500029	1 1/2NPT X 6 PIPE NIPPLE,POLY
10	1	500037	1 1/2"X 1 1/4NPT BUSH, POLY
11	2	500034	1 1/2NPT-90 ST EL, POLY
12	2	500028	1 1/2NPT PIPE NIPPLE, POLY
13	4	500035	1 1/2NPT-45 ST EL, POLY
14	2	500030	1 1/2"NPT PIPE TEE, POLY
15	1	507253	BLK PIPE SIDE OUTLET TEE 1.50
16	1	500038	2"X 1 1/2NPT REDU NIPPLE,POLY
17	1	618171	7/8MOR-3/4FOR ADPTR
18	1	618183	3/4MJIC-90-7/8MOR LBO
19	1	618241	3/4MJIC-90-3/4MOR LBO
20	1	690339	HYPRO 230 DIAPHRAM PUMP
21	1	690353	D150-D230 PUMP MTR MT WLD
22	1	690364	D150-D230 PUMP CPLR SHLD
23	1	690390	2.00 FEMALE NPT COUPLER
24	1	690391	2.00 FEMALE NPT ADPTR
25	1	690392	ADPTR PLG FOR 2.00 NPT COUPLR
26	1	690414	230 HYPRO PUMP MT PLT 280 90
27	1	690417	1FNPT ADAPTER, HYPRO D230
28	1	690418	1 1/4FNPT ADAPTER, HYPRO D230
29	1	695985	CHAR LYNN 2000 SER HYD MTR 79
30	1	696110	BALL VALVE 1 1/2FNPT POLY
31	1	699702	HAMILTON RELIEF VLV 200PSI
32	2	715660	HOSE BARB 1 1/4NPT X 1 1/4
33	1	500033	1 1/4NPT X 1 1/4 H BARB, POLY
34	2	500032	1 1/2NPT X 1 1/2 H BARB, POLY
35	2	900003	1/4UNC X 1 HEX BOLT
36	12	900129	3/8UNC X 1 HEX BOLT
37	2	900265	1/2UNC X 1 1/2 HEX BOLT
38	2	914000	1/4UNC HEX STOVER NUT
39	12	914004	3/8UNC HEX STOVER NUT
40	2	914008	1/2UNC HEX STOVER NUT
41	16	920002	WASH FLAT 3/8 SAE
42	2	470076	SETScrew 5/16-18 X 1/2ALHDCUP
43	1	500031	1 1/2NPT PIPE PLUG, POLY
44	1	506101	PIPE PLUG 1.25NPT SQ HD
45	1	197120	HOSE 1 1/4 2-FBR BR BLK EPDM
46	3	520132	1.62/1.87 T-BOLT HOSE CLAMP
47	2	520133	1.81/2.06 T-BOLT HOSE CLAMP
48	1	520087	HOSE CLAMP NO 20 PLATED
49	1	500024	1"NPT-90-1"HOSE BARB, POLY
50	1	500036	1 1/2"X 1"NPT REDU BUSH, POLY
51	1	690480	VLV/CPLR SUPPORT,D230 PUMP 94
52	1	507019	CLOSE NIPPLE 1.50NPT

\*NOTE: ITEMS 48,49, AND 50 ARE USED WITH THE MONITOR OPTION.

HYPRO D230 HP MANIFOLD ASSEMBLY

DET. QTY PART NO. DESCRIPTION

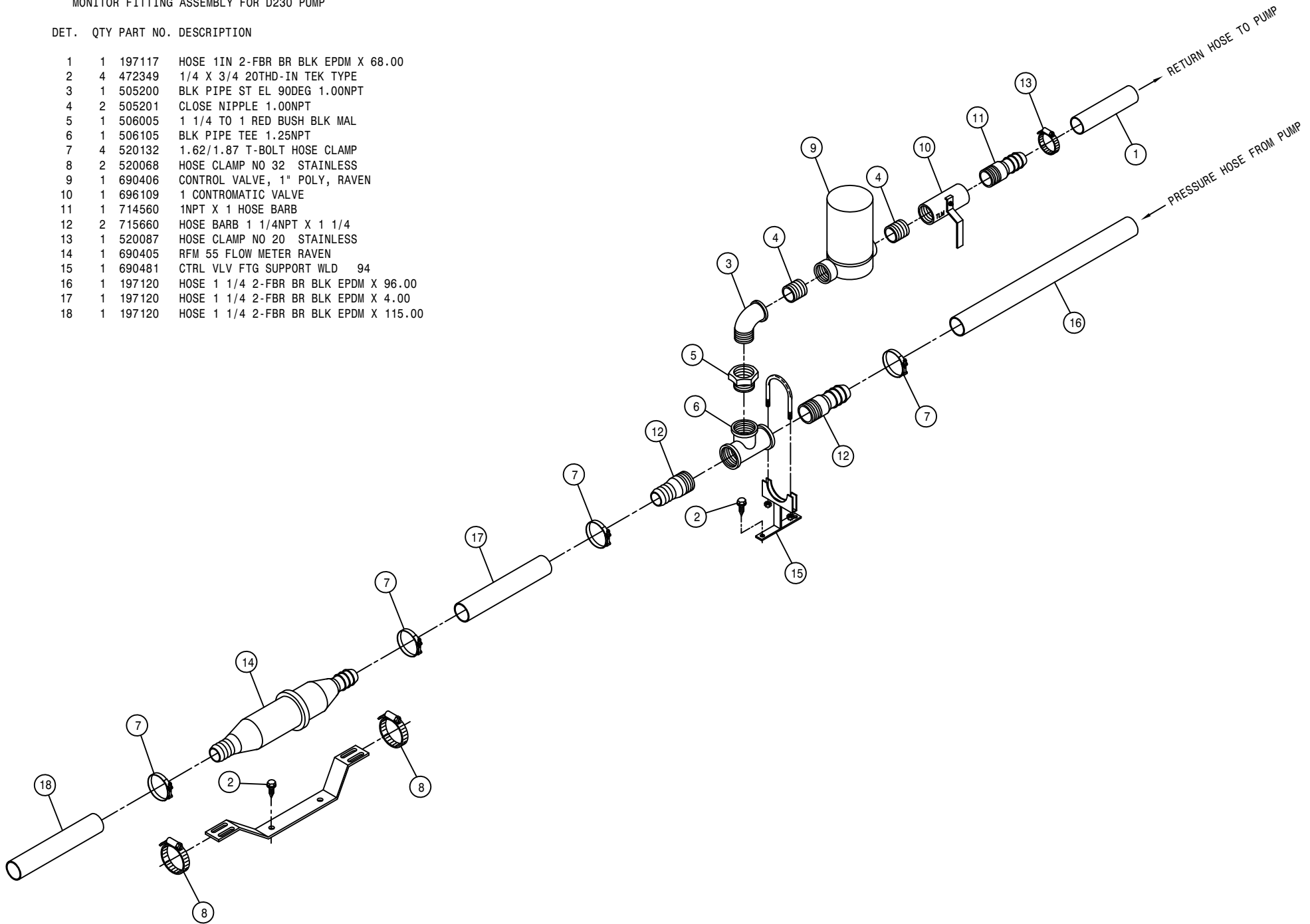
1	1	503400	BLK PIPE ST EL 90DEG .50NPT
2	1	504210	RED BUSH 3/4 NPT X 1/2 NPT
3	3	505200	BLK PIPE ST EL 90DEG 1.00NPT
4	2	618281	1/2MNPT X 1/2 HOSE INSERT
5	3	696162	1" ELECT BALL VLV, 344AEC-2-1
6	1	695984	SOLU MANIF WLD D150-D230
7	2	695994	SOLU MANIF KEEPER OPTION
8	3	714560	1NPT X 1 HOSE BARB
9	1	715660	HOSE BARB 1 1/4NPT X 1 1/4
10	1	507015	RED BUSH 1.50NPT - 1.25FNPT
11	1	504900	PIPE PLUG .75NPT SQ HD
12	4	900072	5/16UNC X 3" HEX BOLT
13	4	914002	5/16UNC HEX STOVER NUT
14	1	341520	PRESSURE GAUGE MT WLD 8240X11
15	1	501450	BLK PIPE ST EL 90DEG .25NPT
16	1	503000	RED BUSH 1/2 TO 1/4 BLK MAL
17	1	701350	PRESS GAUGE 300LB BOT FILL
18	4	520080	HOSE CLAMP NO 10 STAINLESS
19	6	520087	HOSE CLAMP NO 20 STAINLESS
20	1	520132	1.62/1.87 T-BOLT HOSE CLAMP
21	1	197119	HOSE 1/2 2-FBR BR BLK EPDM X 206"
22	2	472349	1/4 X 3/4 20THD-IN TEK TYPE
23	2	197117	HOSE 1IN 2-FBR BR BLK EPDM X 288"
24	1	197117	HOSE 1IN 2-FBR BR BLK EPDM X 36"
25	1	506409	BLK PIPE ST EL 45DEG 1.25NPT

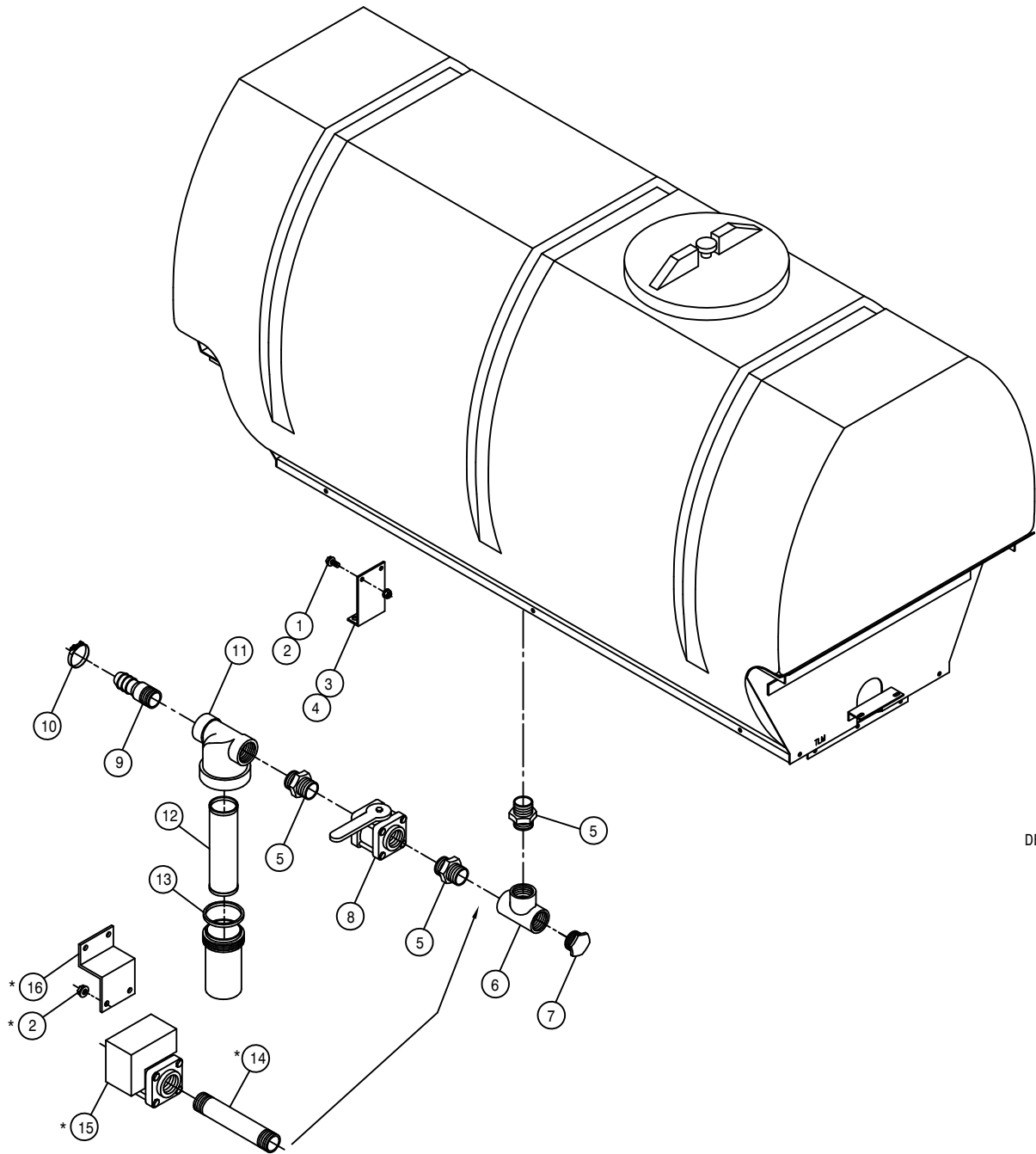


MONITOR FITTING ASSEMBLY FOR D230 PUMP

DET. QTY PART NO. DESCRIPTION

1	1	197117	HOSE 1IN 2-FBR BR BLK EPDM X 68.00
2	4	472349	1/4 X 3/4 20THD-IN TEK TYPE
3	1	505200	BLK PIPE ST EL 90DEG 1.00NPT
4	2	505201	CLOSE NIPPLE 1.00NPT
5	1	506005	1 1/4 TO 1 RED BUSH BLK MAL
6	1	506105	BLK PIPE TEE 1.25NPT
7	4	520132	1.62/1.87 T-BOLT HOSE CLAMP
8	2	520068	HOSE CLAMP NO 32 STAINLESS
9	1	690406	CONTROL VALVE, 1" POLY, RAVEN
10	1	696109	1 CONTROMATIC VALVE
11	1	714560	1NPT X 1 HOSE BARB
12	2	715660	HOSE BARB 1 1/4NPT X 1 1/4
13	1	520087	HOSE CLAMP NO 20 STAINLESS
14	1	690405	RFM 55 FLOW METER RAVEN
15	1	690481	CTRL VLV FTG SUPPORT WLD 94
16	1	197120	HOSE 1 1/4 2-FBR BR BLK EPDM X 96.00
17	1	197120	HOSE 1 1/4 2-FBR BR BLK EPDM X 4.00
18	1	197120	HOSE 1 1/4 2-FBR BR BLK EPDM X 115.00

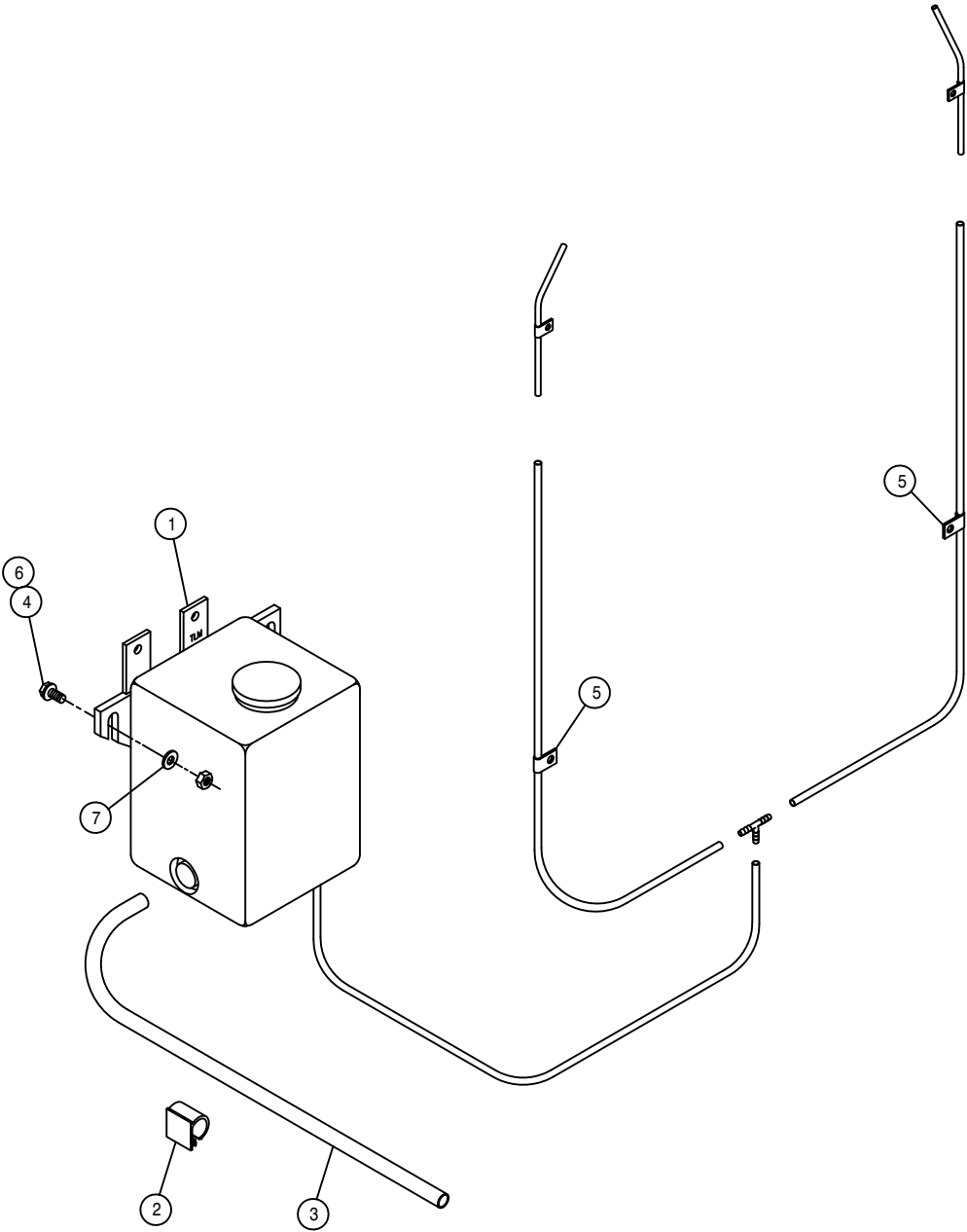




SOLUTION FILTER ASSEMBLY FOR D230 HP PUMP

DET.	QTY	PART NO.	DESCRIPTION
	1	2	470118 1/4UNC X 3/4 FLANGE HEX BOLT
	2	4	470121 1/4UNC HEX FLANGE LOCK NUT
	3	1	763363 SOLU HOSE SUPPORT 280 POLY 91
	4	1	470000 CABLE TIE, 21" BLACK PLASTIC
	5	3	500028 1 1/2NPT PIPE NIPPLE, POLY
	6	1	500030 1 1/2"NPT PIPE TEE, POLY
	7	1	500031 1 1/2NPT PIPE PLUG, POLY
	8	1	696110 BALL VALVE 1 1/2FNPT POLY
	9	1	500032 1 1/2NPT X 1 1/2 H BARB, POLY
	10	1	520133 1.81/2.06 T-BOLT HOSE CLAMP
	11	1	690474 1 1/2 LINE STRAINERSOM 150PSI
	12	1	690475 50 MESH SCREEN FOR 690474
	13	1	690476 STRAINER GASKET FOR 690474
	14	1	500029 1 1/2NPT X 6 PIPE NIPPLE,POLY
	15	1	696161 1 1/2NPT ELECT SOLU VALVE
	16	1	763445 ELECT SOLU VLV SUPPORT 94

\*NOTE: ITEMS 2, 14, 15, AND 16 ARE USED WITH ELECTRIC VALVE OPTION.



WINDSHIELD WASHER ASSEMBLY

DET. QTY PART NO. DESCRIPTION

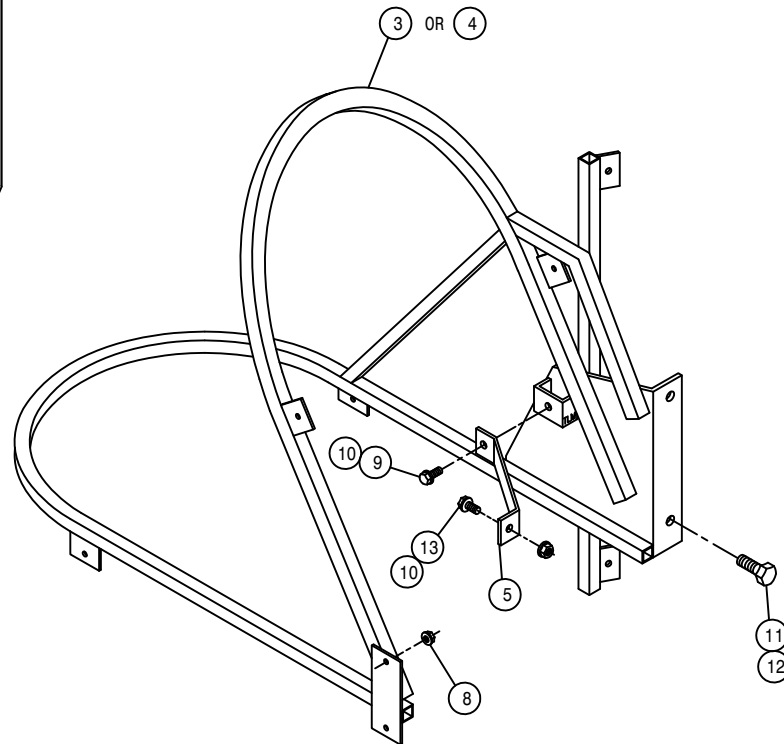
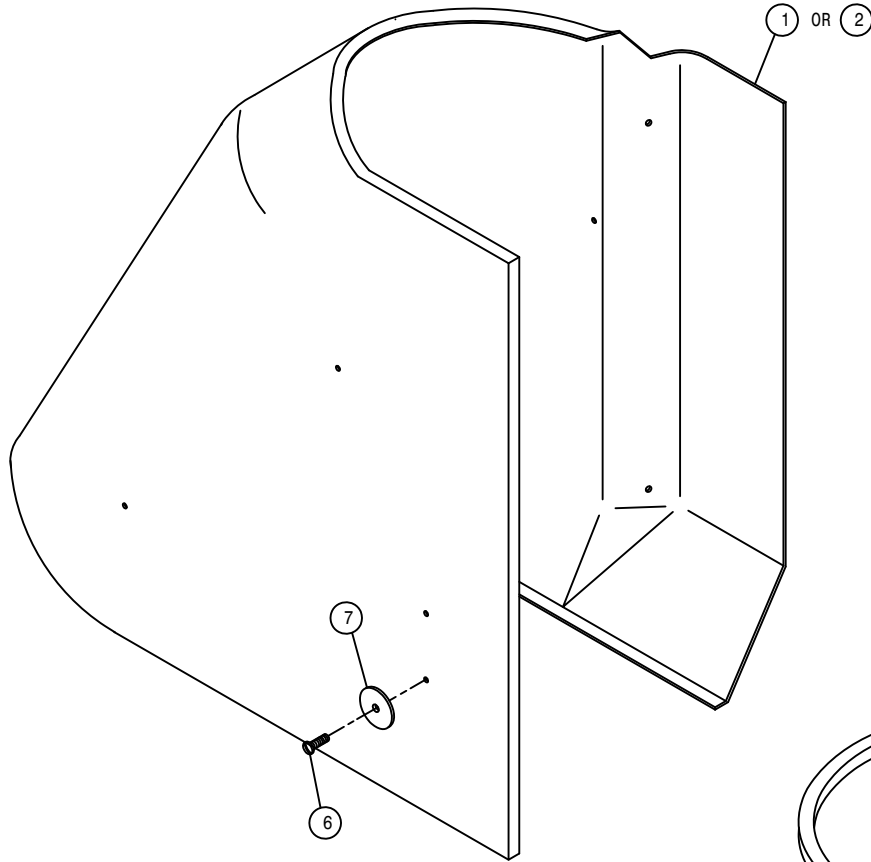
1	1	290002	WINDSHIELD WASHER KIT
2	3	291645	3/8 WIRE CLAMP,ADHESIVE BACK
3	5	299110	WIRE FLEX GUARD .35 ID
4	3	470231	1/4UNC X 1 FLANGED HEX BOLT
5	2	520119	CUSH HOSE CLAMP 3/16D X 1/2W
6	3	914000	1/4UNC HEX STOVER NUT
7	3	920000	1/4 FLAT WASH SAE

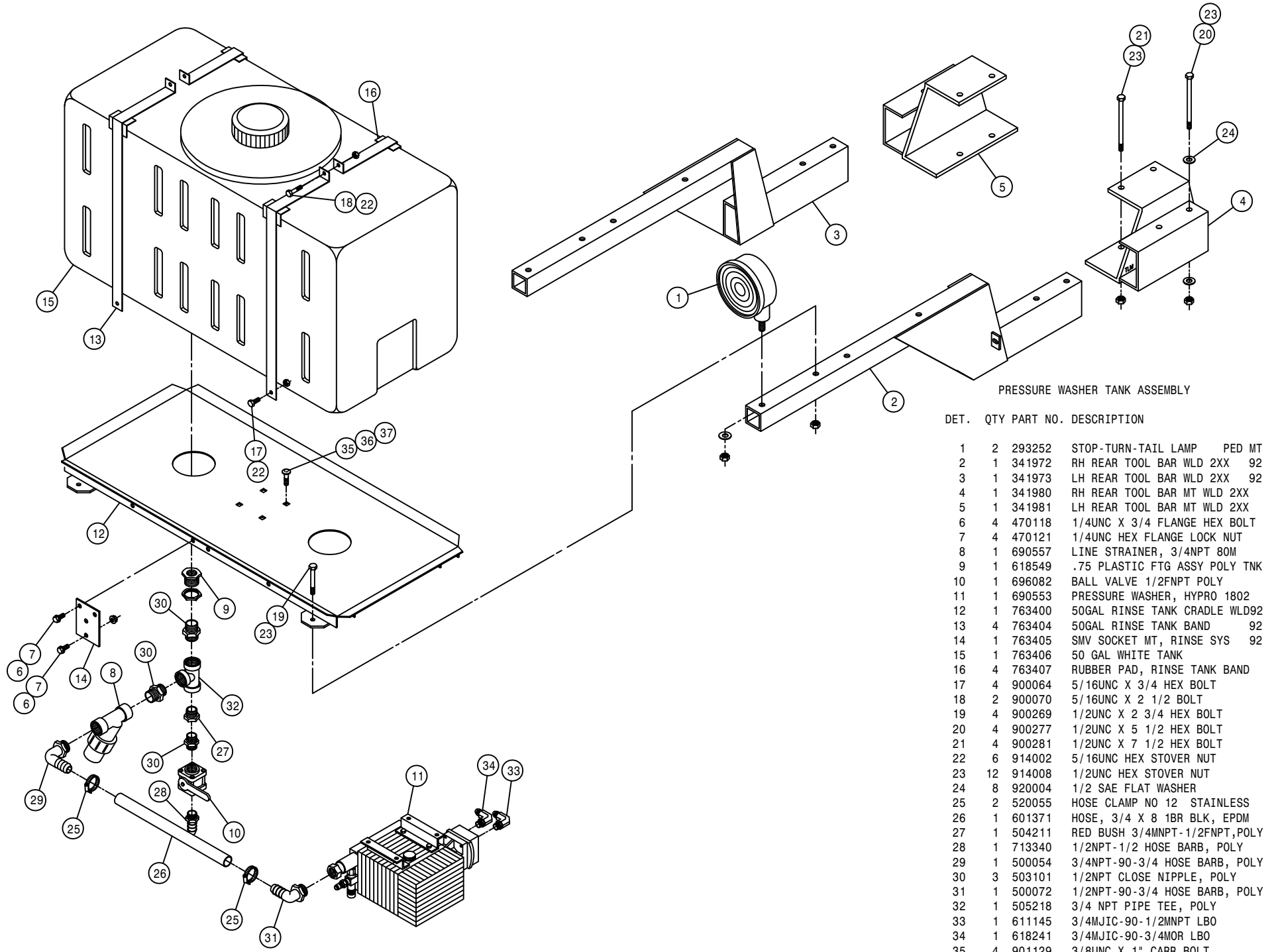


CROP SHIELD ASSEMBLY

DET. QTY PART NO. DESCRIPTION

1	1	662232	RH POLY CROP SHIELD, 284
2	1	662233	LH POLY CROP SHIELD, 284
3	1	662234	RH POLY CROP SHIELD MT WLD284
4	1	662235	LH POLY CROP SHIELD MT WLD284
5	1	662248	POLY SHIELD MT BRACE, 284
6	8	472261	1/4UNC X 3/4 TRUSS HD BOLT
7	8	483013	1 1/2 X 1/4 X 16 GA WASHER
8	8	470121	1/4UNC HEX FLANGE LOCK NUT
9	1	900128	3/8UNC X 3/4 HEX BOLT
10	2	470087	3/8UNC HEX FLANGE LOCK NUT
11	2	900264	1/2UNC X 1 1/4 HEX BOLT
12	2	914008	1/2UNC HEX STOVER NUT
13	1	900130	3/8UNC X 1 1/4 HEX BOLT





PRESSURE WASHER TANK ASSEMBLY

DET.	QTY	PART NO.	DESCRIPTION
1	2	293252	STOP-TURN-TAIL LAMP PED MT
2	1	341972	RH REAR TOOL BAR WLD 2XX 92
3	1	341973	LH REAR TOOL BAR WLD 2XX 92
4	1	341980	RH REAR TOOL BAR MT WLD 2XX
5	1	341981	LH REAR TOOL BAR MT WLD 2XX
6	4	470118	1/4UNC X 3/4 FLANGE HEX BOLT
7	4	470121	1/4UNC HEX FLANGE LOCK NUT
8	1	690557	LINE STRAINER, 3/4NPT 80M
9	1	618549	.75 PLASTIC FTG ASSY POLY TNK
10	1	696082	BALL VALVE 1/2FNPT POLY
11	1	690553	PRESSURE WASHER, HYPRO 1802
12	1	763400	50GAL RINSE TANK CRADLE WLD92
13	4	763404	50GAL RINSE TANK BAND 92
14	1	763405	SMV SOCKET MT, RINSE SYS 92
15	1	763406	50 GAL WHITE TANK
16	4	763407	RUBBER PAD, RINSE TANK BAND
17	4	900064	5/16UNC X 3/4 HEX BOLT
18	2	900070	5/16UNC X 2 1/2 BOLT
19	4	900269	1/2UNC X 2 3/4 HEX BOLT
20	4	900277	1/2UNC X 5 1/2 HEX BOLT
21	4	900281	1/2UNC X 7 1/2 HEX BOLT
22	6	914002	5/16UNC HEX STOVER NUT
23	12	914008	1/2UNC HEX STOVER NUT
24	8	920004	1/2 SAE FLAT WASHER
25	2	520055	HOSE CLAMP NO 12 STAINLESS
26	1	601371	HOSE, 3/4 X 8 1BR BLK, EPDM
27	1	504211	RED BUSH 3/4MNPT-1/2FNPT,POLY
28	1	713340	1/2NPT-1/2 HOSE BARB, POLY
29	1	500054	3/4NPT-90-3/4 HOSE BARB, POLY
30	3	503101	1/2NPT CLOSE NIPPLE, POLY
31	1	500072	1/2NPT-90-3/4 HOSE BARB, POLY
32	1	505218	3/4 NPT PIPE TEE, POLY
33	1	611145	3/4MJIC-90-1/2MNPT LBO
34	1	618241	3/4MJIC-90-3/4MOR LBO
35	4	901129	3/8UNC X 1" CARR BOLT
36	4	910004	3/8UNC HEX NUT
37	4	920502	3/8 LOCK WASHER

PRESSURE WASHER FLOW DIVIDER ASSEMBLY

DET. QTY PART NO. DESCRIPTION

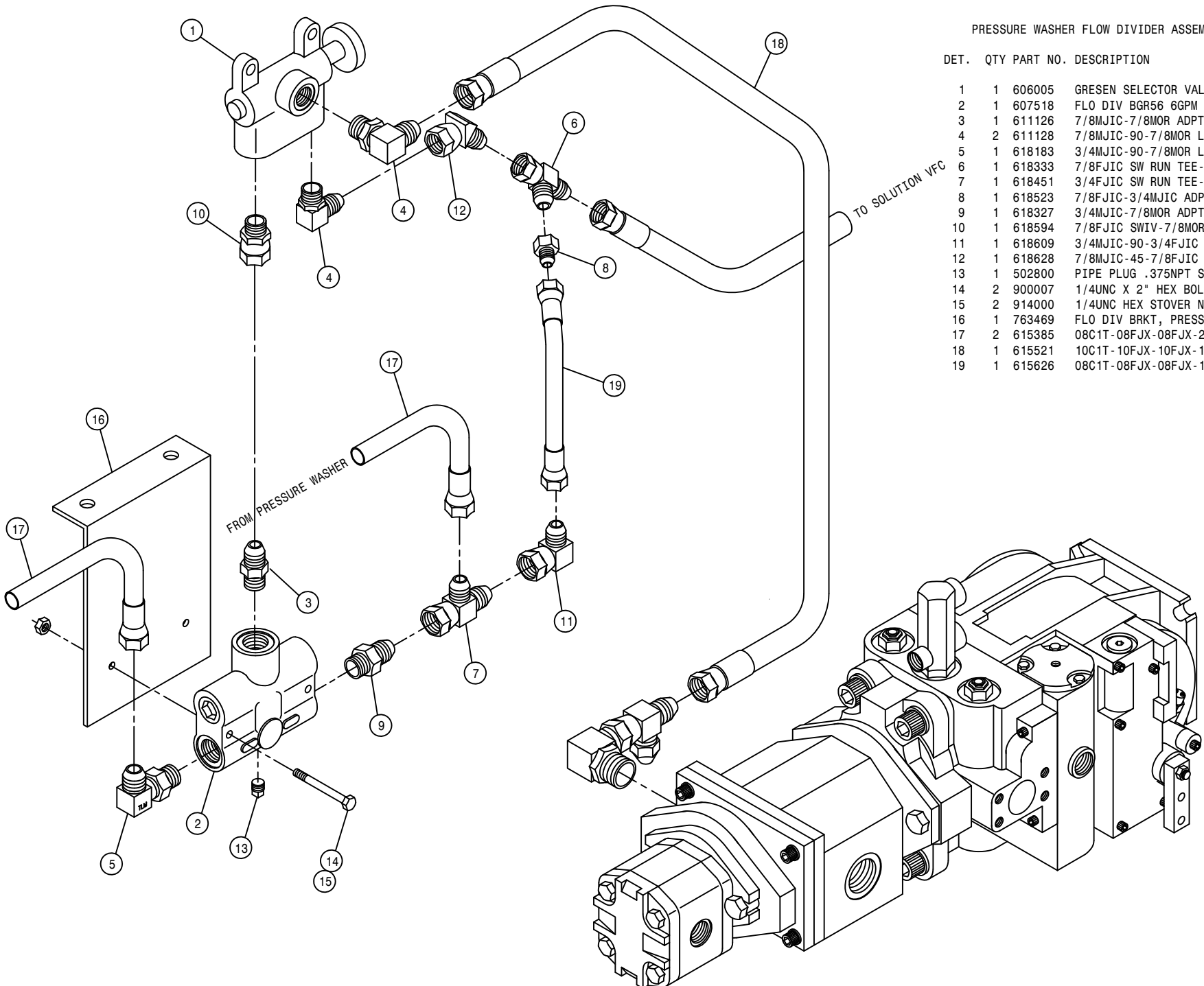
DET.	QTY	PART NO.	DESCRIPTION	
1	1	606005	GRESEN SELECTOR VALVE S-10	
2	1	607518	FLO DIV BGR56 6GPM PRI 7/8FOR	
3	1	611126	7/8MJIC-7/8MOR ADPTR	
4	2	611128	7/8MJIC-90-7/8MOR LBO	
5	1	618183	3/4MJIC-90-7/8MOR LBO	
6	1	618333	7/8FJIC SW RUN TEE-7/8MJIC	
7	1	618451	3/4FJIC SW RUN TEE-3/4MJIC	
8	1	618523	7/8FJIC-3/4MJIC ADPTR	
9	1	618327	3/4MJIC-7/8MOR ADPTR	
10	1	618594	7/8FJIC SWIV-7/8MOR ADPTR	
11	1	618609	3/4MJIC-90-3/4FJIC SWIV LBO	
12	1	618628	7/8MJIC-45-7/8FJIC SWIV LBO	
13	1	502800	PIPE PLUG .375NPT SQ HD	
14	2	900007	1/4UNC X 2" HEX BOLT	
15	2	914000	1/4UNC HEX STOVER NUT	
16	1	763469	FLO DIV BRKT, PRESS WASHER	
17	2	615385	08C1T-08FJX-08FJX-29	H/A
18	1	615521	10C1T-10FJX-10FJX-18	H/A
19	1	615626	08C1T-08FJX-08FJX-15	H/A

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TO PRESSURE WASHER

FROM PRESSURE WASHER

TO SOLUTION VFC

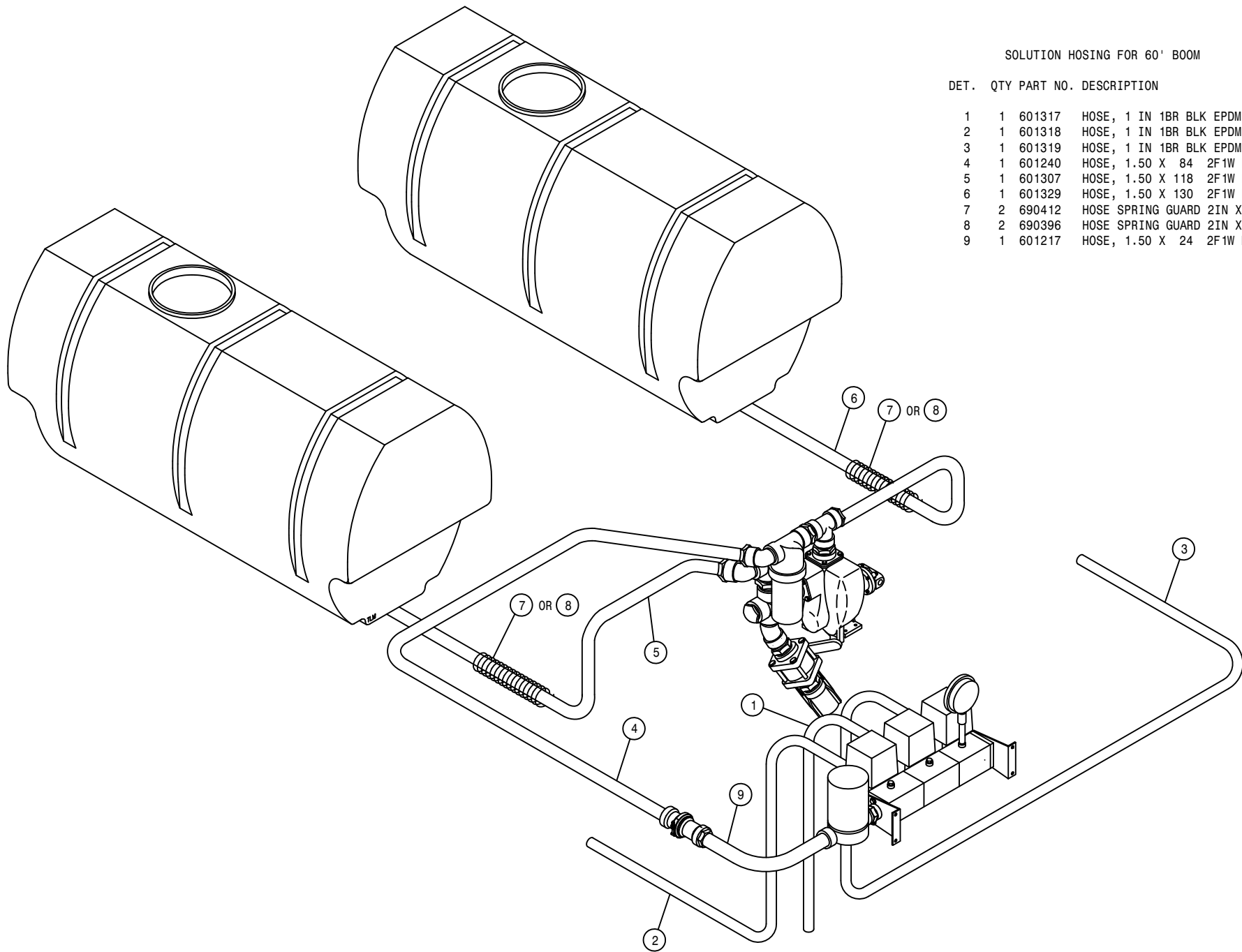


168091

SOLUTION HOISING FOR 60' BOOM

DET. QTY PART NO. DESCRIPTION

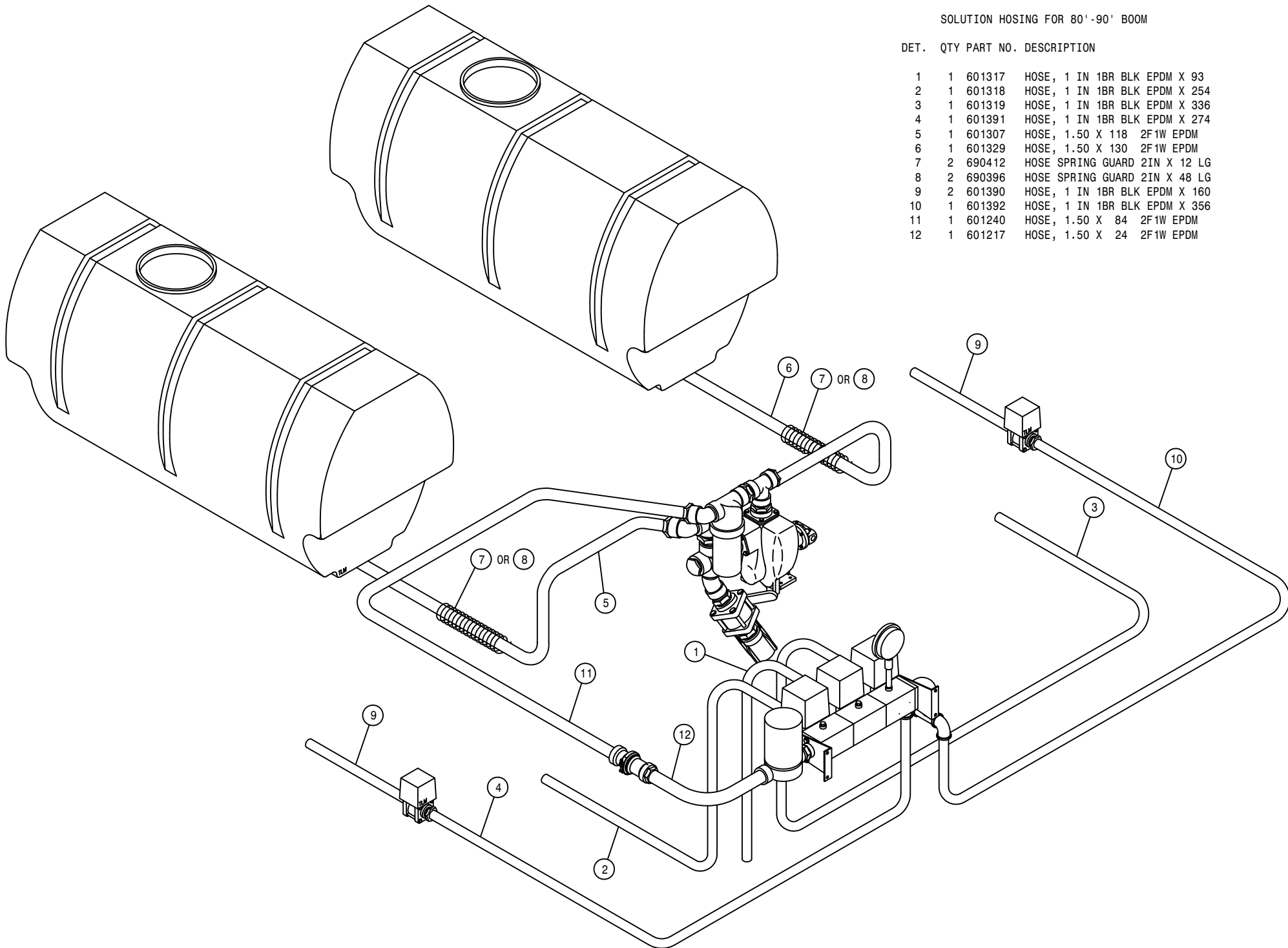
1	1	601317	HOSE, 1 IN 1BR BLK EPDM X 93
2	1	601318	HOSE, 1 IN 1BR BLK EPDM X 254
3	1	601319	HOSE, 1 IN 1BR BLK EPDM X 336
4	1	601240	HOSE, 1.50 X 84 2F1W EPDM
5	1	601307	HOSE, 1.50 X 118 2F1W EPDM
6	1	601329	HOSE, 1.50 X 130 2F1W EPDM
7	2	690412	HOSE SPRING GUARD 2IN X 12 LG
8	2	690396	HOSE SPRING GUARD 2IN X 48 LG
9	1	601217	HOSE, 1.50 X 24 2F1W EPDM

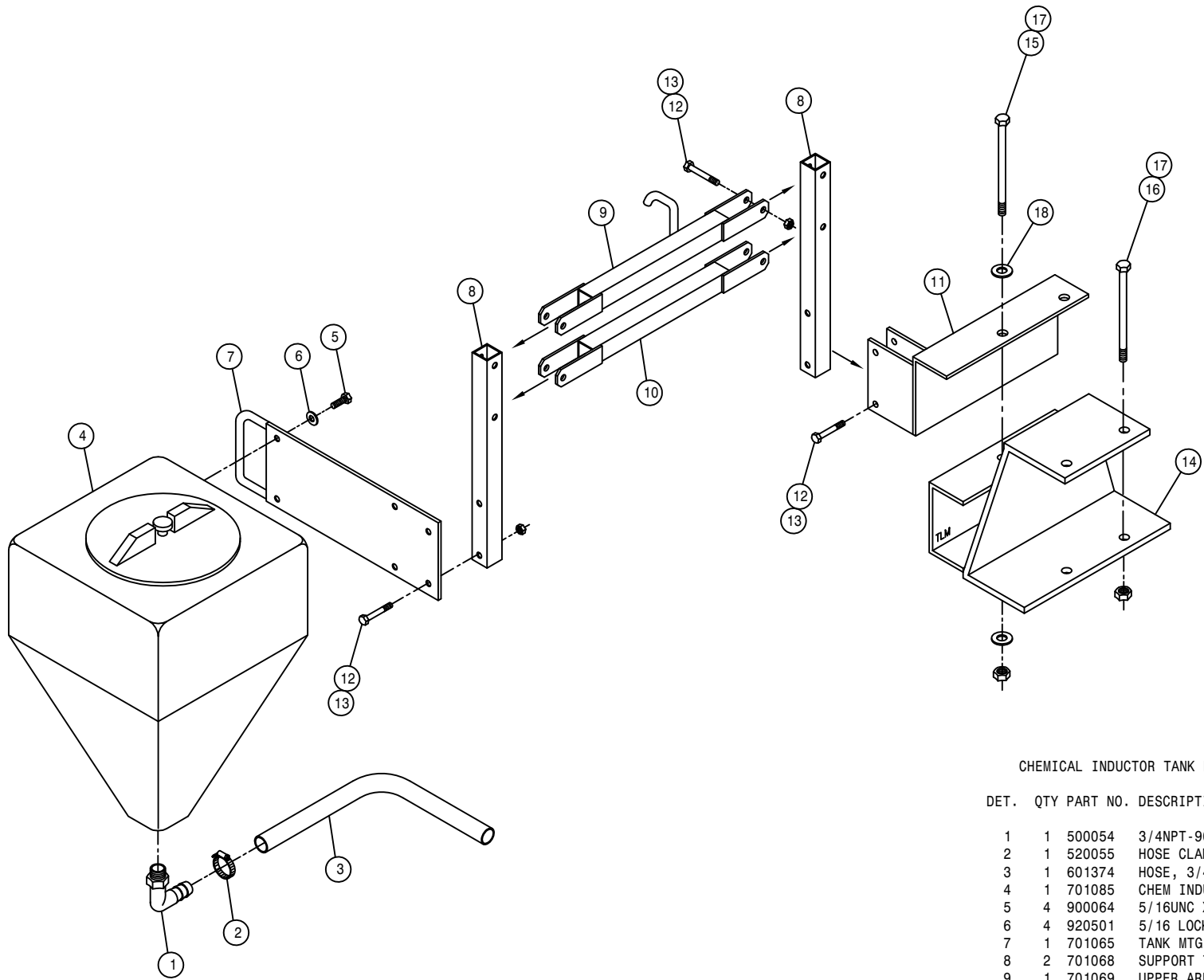


SOLUTION HOISING FOR 80' -90' BOOM

DET. QTY PART NO. DESCRIPTION

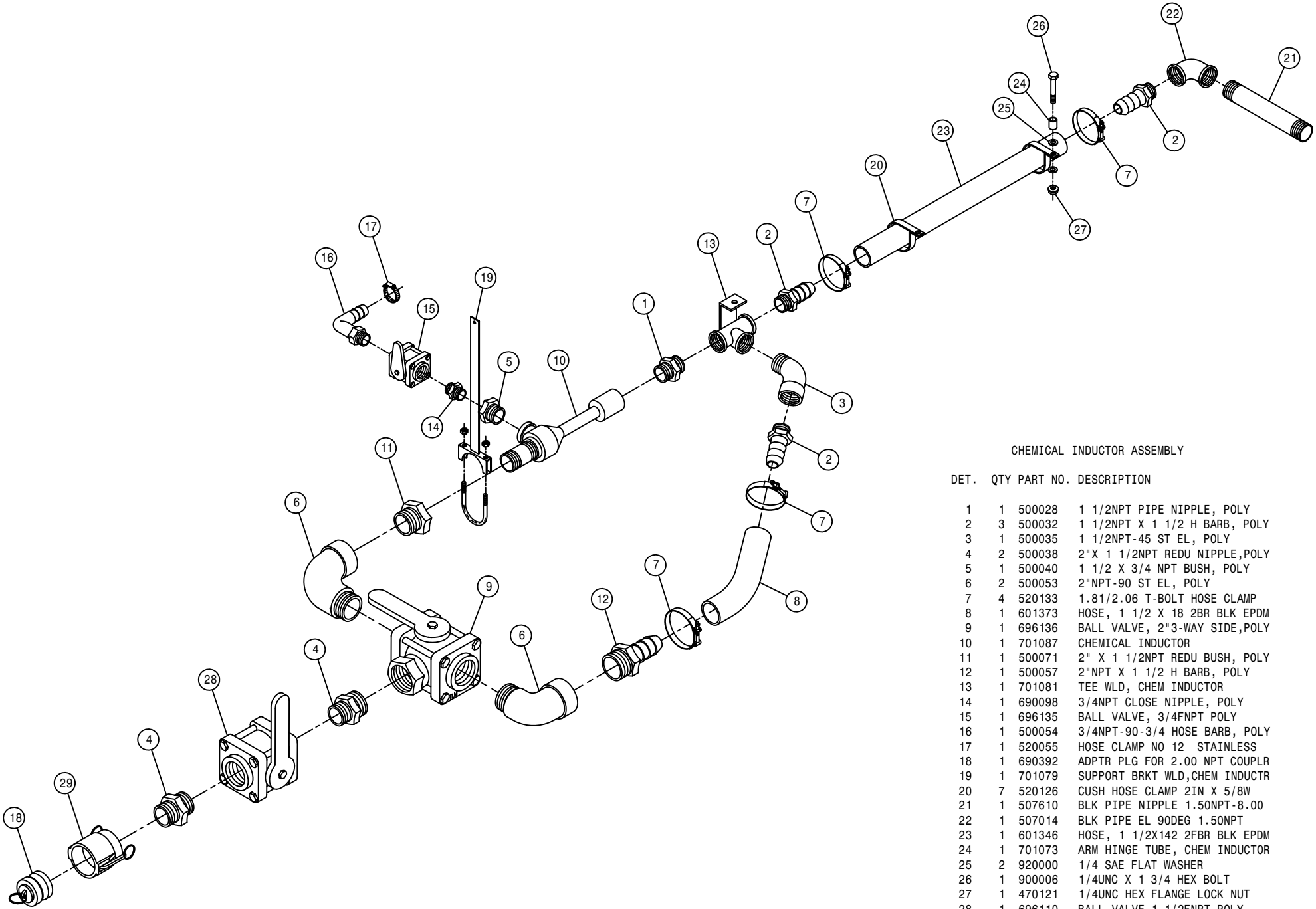
DET.	QTY	PART NO.	DESCRIPTION
1	1	601317	HOSE, 1 IN 1BR BLK EPDM X 93
2	1	601318	HOSE, 1 IN 1BR BLK EPDM X 254
3	1	601319	HOSE, 1 IN 1BR BLK EPDM X 336
4	1	601391	HOSE, 1 IN 1BR BLK EPDM X 274
5	1	601307	HOSE, 1.50 X 118 2F1W EPDM
6	1	601329	HOSE, 1.50 X 130 2F1W EPDM
7	2	690412	HOSE SPRING GUARD 2IN X 12 LG
8	2	690396	HOSE SPRING GUARD 2IN X 48 LG
9	2	601390	HOSE, 1 IN 1BR BLK EPDM X 160
10	1	601392	HOSE, 1 IN 1BR BLK EPDM X 356
11	1	601240	HOSE, 1.50 X 84 2F1W EPDM
12	1	601217	HOSE, 1.50 X 24 2F1W EPDM





CHEMICAL INDUCTOR TANK MOUNT ASSEMBLY

DET.	QTY	PART NO.	DESCRIPTION
	1	500054	3/4NPT-90-3/4 HOSE BARB, POLY
	1	520055	HOSE CLAMP NO 12 STAINLESS
	1	601374	HOSE, 3/4 2FBR BLK EPDM X 35
	1	701085	CHEM INDUCTOR TANK, 4 GAL, SQ
	4	900064	5/16UNC X 3/4 HEX BOLT
	4	920501	5/16 LOCK WASHER
	1	701065	TANK MTG PLT WLD, CHEM INDUCTR
	2	701068	SUPPORT TUBE, CHEM INDUCTOR
	1	701069	UPPER ARM WLD, CHEM INDUCTOR
	1	701070	LWR ARM WLD, CHEM INDUCTOR
	1	701076	ARM MT WLD, CHEM INDUCTOR
	8	900068	5/16UNC X 1 3/4 HEX BOLT
	8	914002	5/16UNC HEX STOVER NUT
	1	341981	LH REAR TOOL BAR MT WLD 2XX
	2	900277	1/2UNC X 5 1/2 HEX BOLT
	2	900281	1/2UNC X 7 1/2 HEX BOLT
	4	914008	1/2UNC HEX STOVER NUT
	4	920004	1/2 SAE FLAT WASHER



CHEMICAL INDUCTOR ASSEMBLY

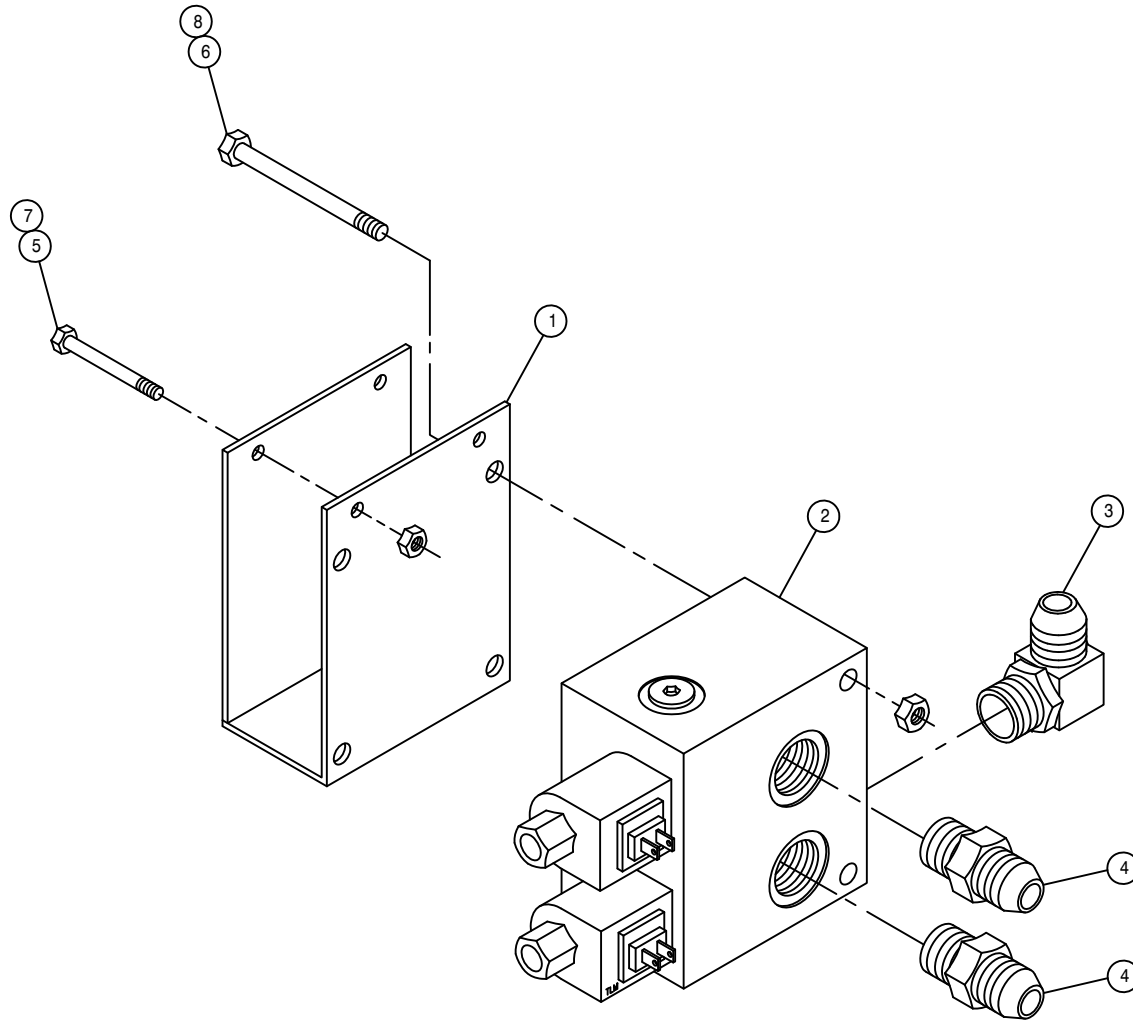
DET. QTY PART NO. DESCRIPTION

1	1	500028	1 1/2NPT PIPE NIPPLE, POLY
2	3	500032	1 1/2NPT X 1 1/2 H BARB, POLY
3	1	500035	1 1/2NPT-45 ST EL, POLY
4	2	500038	2" X 1 1/2NPT REDU NIPPLE, POLY
5	1	500040	1 1/2 X 3/4 NPT BUSH, POLY
6	2	500053	2"NPT-90 ST EL, POLY
7	4	520133	1.81/2.06 T-BOLT HOSE CLAMP
8	1	601373	HOSE, 1 1/2 X 18 2BR BLK EPDM
9	1	696136	BALL VALVE, 2"3-WAY SIDE, POLY
10	1	701087	CHEMICAL INDUCTOR
11	1	500071	2" X 1 1/2NPT REDU BUSH, POLY
12	1	500057	2"NPT X 1 1/2 H BARB, POLY
13	1	701081	TEE WLD, CHEM INDUCTOR
14	1	690098	3/4NPT CLOSE NIPPLE, POLY
15	1	696135	BALL VALVE, 3/4FNPT POLY
16	1	500054	3/4NPT-90-3/4 HOSE BARB, POLY
17	1	520055	HOSE CLAMP NO 12 STAINLESS
18	1	690392	ADPTR PLG FOR 2.00 NPT COUPLR
19	1	701079	SUPPORT BRKT WLD, CHEM INDUCTR
20	7	520126	CUSH HOSE CLAMP 2IN X 5/8W
21	1	507610	BLK PIPE NIPPLE 1.50NPT-8.00
22	1	507014	BLK PIPE EL 90DEG 1.50NPT
23	1	601346	HOSE, 1 1/2X142 2FBR BLK EPDM
24	1	701073	ARM HINGE TUBE, CHEM INDUCTOR
25	2	920000	1/4 SAE FLAT WASHER
26	1	900006	1/4UNC X 1 3/4 HEX BOLT
27	1	470121	1/4UNC HEX FLANGE LOCK NUT
28	1	696110	BALL VALVE 1 1/2FNPT POLY
29	1	690390	2.00 FEMALE NPT COUPLER

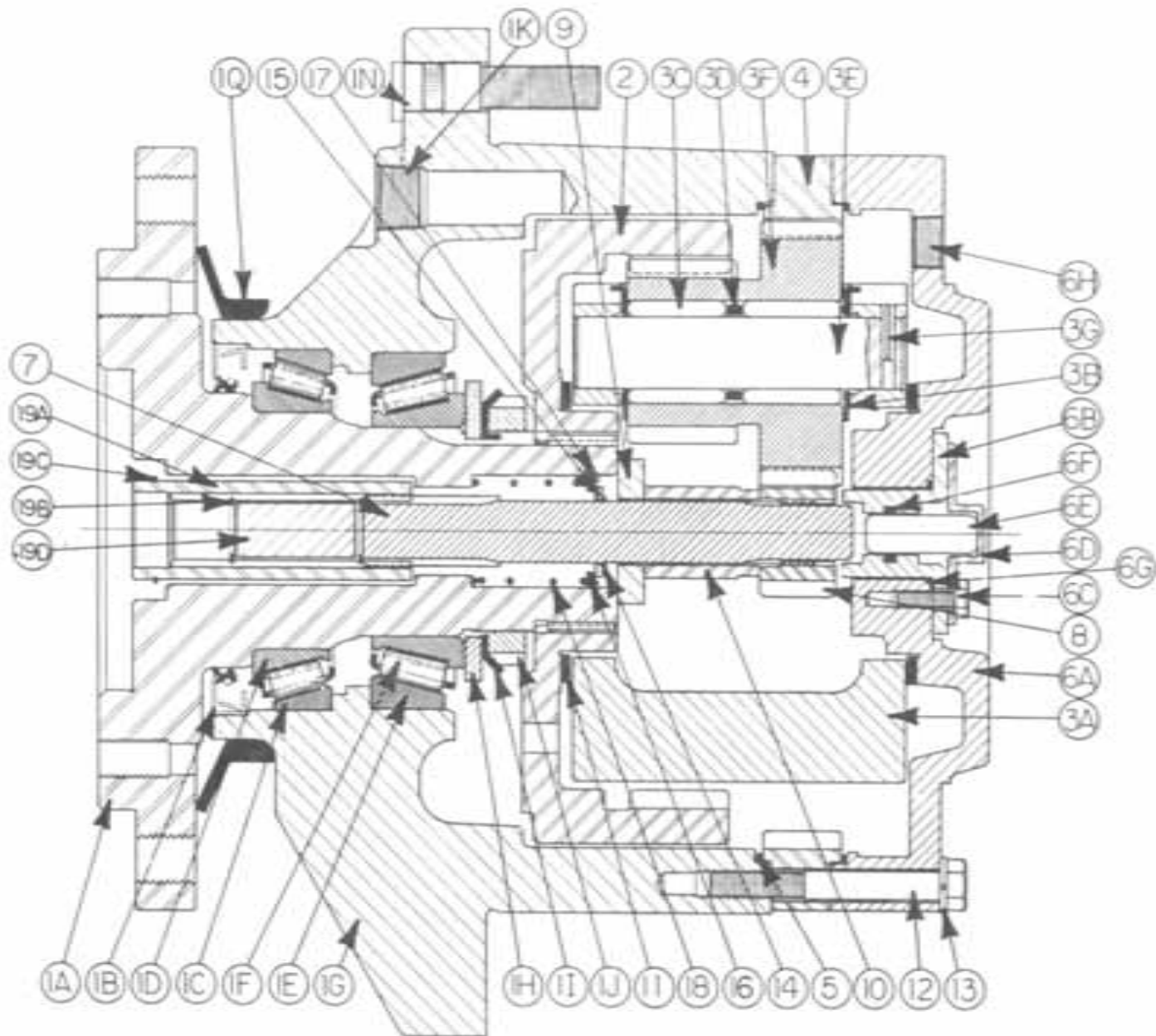
TRACTION VALVE ASSEMBLY

DET. QTY PART NO. DESCRIPTION

1	1	342311	TRACT VLV MT WLD,284 COMBO 96
2	1	610618	POSITRACTION VLV,STL,88SP 60G
3	1	618178	1 5/16MJIC-90-1 5/16MOR LBO
4	2	618308	1 1/16MJIC-1 5/16MOR ADPTR
5	2	900010	1/4UNC X 3" HEX BOLT
6	2	900075	5/16UNC X 3 3/4 HEX BOLT
7	2	914000	1/4UNC HEX STOVER NUT
8	2	914002	5/16UNC HEX STOVER NUT







CROSS SECTIONAL VIEW of W2B

WHEEL DRIVE ASSEMBLY - 610565

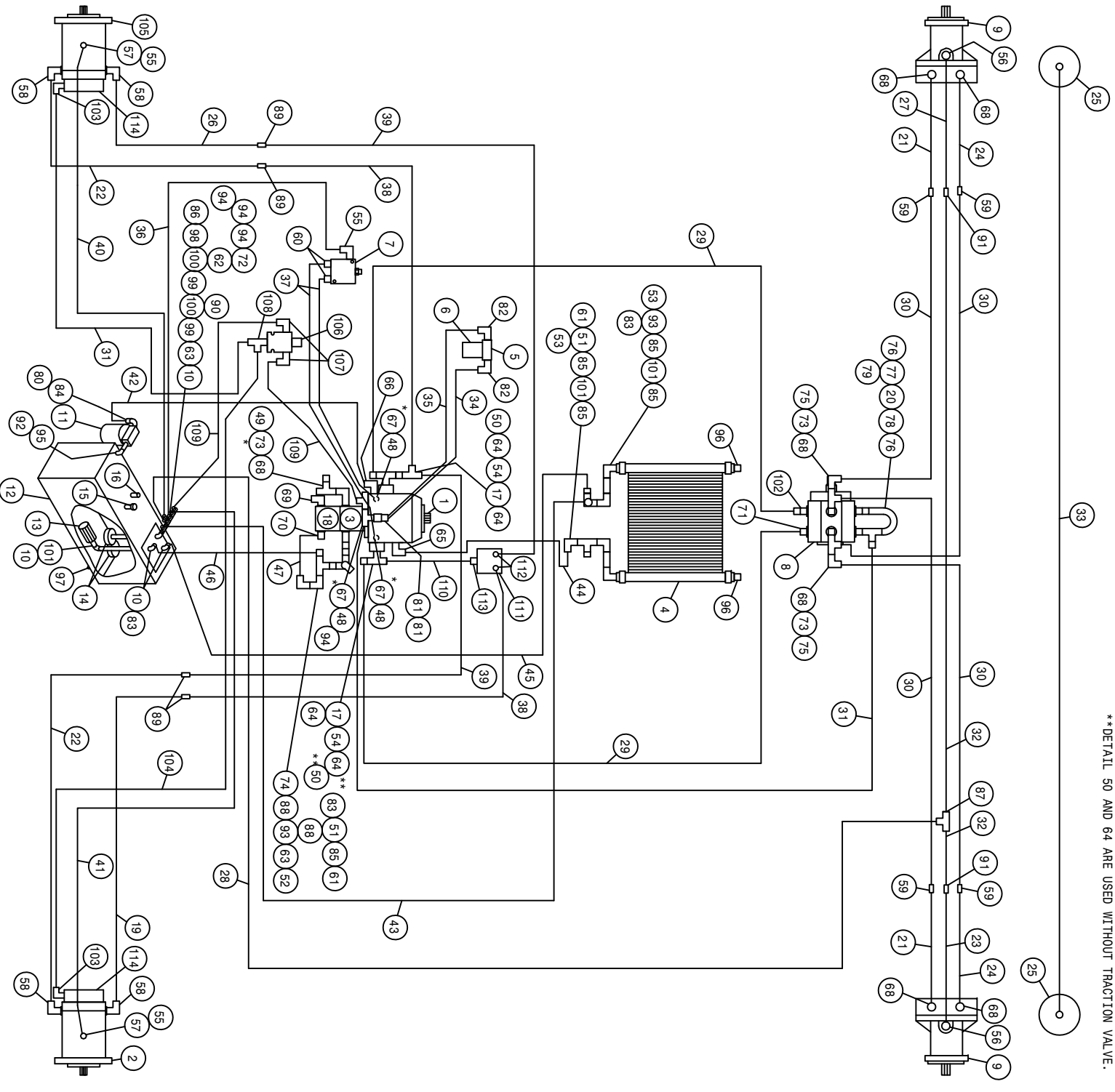
W2B2FZ328

ITEMS	DESCRIPTION	PART NO.	QTY.
1	HUB-SPINDLE SUB-ASSEMBLY	-----	
1A	SPINDLE	610940	1
1B	SEAL	610941	1
1C	BEARING CUP	610943	1
1D	BEARING CONE	610942	1
1E	BEARING CUP	610945	1
1F	BEARING CONE	610944	1
1G	HUB	-----	1
1H	TANGED WASHER	-----	1
1I	LOCKWASHER	610946	1
1J	LOCKNUT	610947	1
1K	MAGNETIC PIPE PLUG	-----	2
1N	STUD	824054	9
1Q	SEAL BOOT	610552	1
2	INTERNAL GEAR	610948	1
3	CARRIER ASSEMBLY	-----	1
3A	CARRIER	610938	1
3B	THRUST WASHER	-----	6
3C	NEEDLE ROLLER	610902	114
3D	SPACER	-----	3
3E	PLANET SHAFT	-----	3
3F	CLUSTER GEAR	610939	3
3G	ROLL PIN	-----	3
4	RING GEAR	610949	1
5	O-RING	610911	2
6	COVER ASSEMBLY	-----	1
6A	COVER	-----	1
6B	COVER CAP	610914	1
6C	BOLT	610150	4
6D	DISCONNECT CAP	610901	1
6E	DISCONNECT ROD	610915	1
6F	O-RING	610916	1
6G	O-RING	610917	1
6H	PIPE PLUG	-----	2
6J	ID PLATE	-----	1
6K	DRIVE SCREW	-----	4
7	INPUT SHAFT	610950	1
8	INPUT GEAR	-----	1
9	THRUST SPACER	-----	1
10	THRUST SPACER	-----	1
11	THRUST WASHER	-----	1
12	BOLT	-----	2
13	LOCKWASHER	-----	20
14	RETAINING RING	610936	1
15	WASHER	-----	1
16	SPACER	-----	1
17	RETAINING RING	-----	1
18	SPRING	-----	1
19	COUPLING SUB-ASSEMBLY	-----	1
19A	COUPLING	610951	1
19B	RETAINING RING	610954	2
19C	RING	-----	1
19D	ANTI-DISCONNECT SPACER	-----	1

WHEEL DRIVE ASSEMBLY - 610568

W2B2FZ313

ITEMS	DESCRIPTION	PART NO.	QTY.
1	HUB-SPINDLE SUB-ASSEMBLY	-----	
1A	SPINDLE	610940	1
1B	SEAL	610941	1
1C	BEARING CUP	610943	1
1D	BEARING CONE	610942	1
1E	BEARING CUP	610945	1
1F	BEARING CONE	610944	1
1G	HUB	-----	1
1H	TANGED WASHER	-----	1
1I	LOCKWASHER	610946	1
1J	LOCKNUT	610947	1
1K	MAGNETIC PIPE PLUG	-----	2
1N	STUD	824054	9
1Q	SEAL BOOT	610552	1
2	INTERNAL GEAR	610948	1
3	CARRIER ASSEMBLY	-----	1
3A	CARRIER	610938	1
3B	THRUST WASHER	-----	6
3C	NEEDLE ROLLER	610902	114
3D	SPACER	-----	3
3E	PLANET SHAFT	-----	3
3F	CLUSTER GEAR	610939	3
3G	ROLL PIN	-----	3
4	RING GEAR	610949	1
5	O-RING	610911	2
6	COVER ASSEMBLY	-----	1
6A	COVER	-----	1
6B	COVER CAP	610914	1
6C	BOLT	610150	4
6D	DISCONNECT CAP	610901	1
6E	DISCONNECT ROD	610915	1
6F	O-RING	610916	1
6G	O-RING	610917	1
6H	PIPE PLUG	-----	2
6J	ID PLATE	-----	1
6K	DRIVE SCREW	-----	4
7	INPUT SHAFT	610953	1
8	INPUT GEAR	-----	1
9	THRUST SPACER	-----	1
10	THRUST SPACER	-----	1
11	THRUST WASHER	-----	1
12	BOLT	-----	2
13	LOCKWASHER	-----	20
14	RETAINING RING	610936	1
15	WASHER	-----	1
16	SPACER	-----	1
17	RETAINING RING	-----	1
18	SPRING	-----	1
19	COUPLING SUB-ASSEMBLY	-----	1
19A	COUPLING	610951	1
19B	RETAINING RING	610954	2
19C	RING	-----	1
19D	ANTI-DISCONNECT SPACER	-----	1



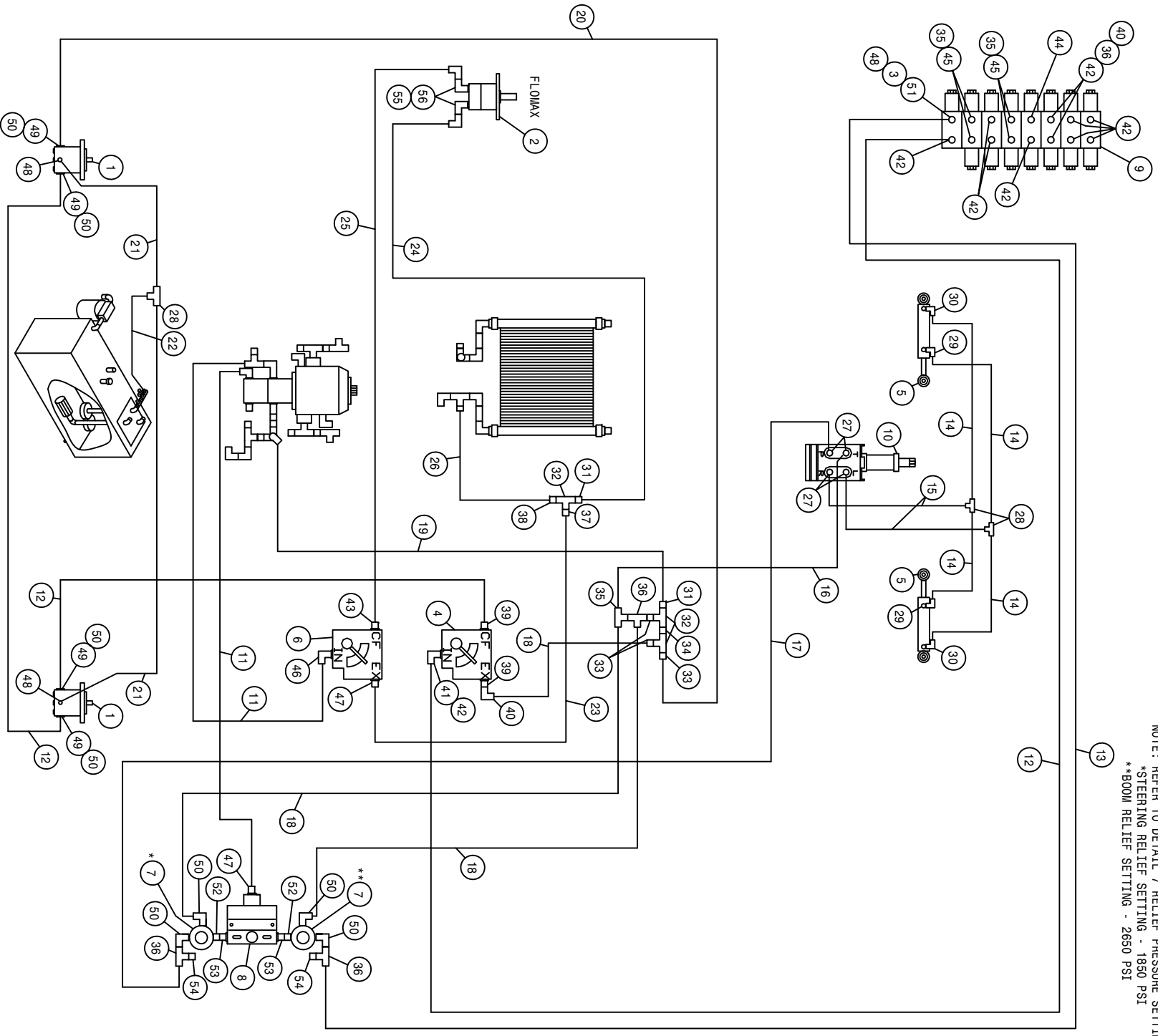
\*NOTE:  
 REFER TO DETAIL 73 TO CHECK AUX. SYSTEM - 1850 PSI  
 REFER TO DETAIL 67 TO CHECK LIMIT SETTING - 4500 PSI  
 REFER TO DETAIL 67 TO CHECK CHARGE PRESSURE - 380 PSI  
 \*\*DETAIL 50 AND 64 ARE USED WITHOUT TRACTION VALVE.

100A

168100

284 HYDRAULIC SCHEMATIC 97  
REFERENCE DRAWING NO. 498515S1  
SERIAL NO. 083579001 THRU 083579090

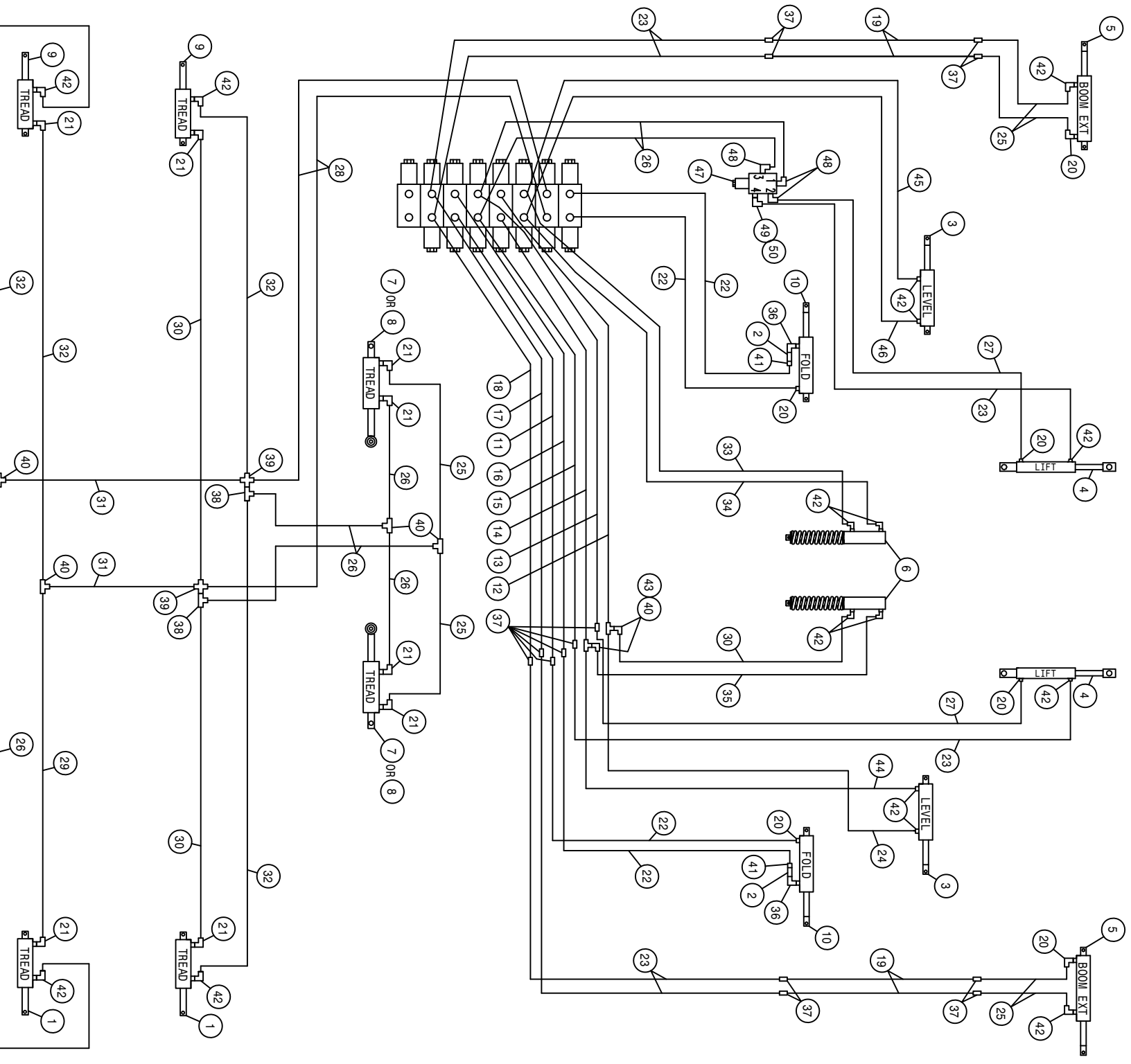
DET.	QTY	PART NO.	DESCRIPTION	DET.	QTY	PART NO.	DESCRIPTION
1	1	606902	SUND 100CC PUMP,B-MT W/FILT	58	4	618248	1 1/16MJIC-90-1 1/16MOR LBO
2	1	610557	SUND M35-3102 WHL MTR W/SHFT	59	4	618627	7/8MJIC-3/4JIC REDU UNION
3	1	606897	SUND GEAR PMP 1.34CI SPLINED	60	2	618126	9/16MJIC-9/16MOR ADPTR
4	1	618606	OIL COOLER, BLISSFIELD 65027	61	2	716000	3/4 HOSE BARB-90-1MNP
5	1	605608	HYD FILTER HEAD, DONALDSON	62	1	504001	RED BUSH 3/4 X 1/4 BLK MAL
6	1	605609	HYD FILTER ELEMENT, DONALDSON	63	2	505213	RED BUSH 1 X 3/4 BLK MAL
7	1	610580	REMOTE FLUSHING VALVE, SUND	64	4	618541	1 5/16FJIC-1 1/16MJIC ADPTR
8	1	606003	GRESEN SELECTOR VALVE DS-12	65	1	618118	3/4 HOSE BARB-90-1 1/16MOR
9	2	610571	SUND M35-3002 WHL MTR	66	1	618626	1 1/4 HOSE BARB-45-1 5/8MOR
10	4	505300	BLK PIPE EL 90DEG 1.00NPT	67	3	618629	9/16MOR BRANCH TEE-9/16MJIC
11	1	605601	GRESEN FILTER 10 MICRON 40GPM	68	7	618535	7/8MJIC-90-1 1/16MOR LBO
12	1	760097	OIL TANK WLD 8240 1982	69	1	611128	7/8MJIC-90-1 1/16MOR LBO
13	1	605600	MICHIGAN RESERVOIR FILTER	70	1	618075	3/4 HOSE BARB-1 1/16MOR
14	2	605603	LINE SUMP DIFFUSER	71	1	611127	1 1/16MJIC-1 1/16MOR ADPTR
15	2	611052	FILLER BREATHER 3/4ANPT	72	1	618520	1/4MNP RUN TEE-9/16MJIC
16	1	614453	DIPSTICK, 8IN	73	3	618333	7/8FJIC SW RUN TEE-7/8MJIC
17	2	618598	1" 4-BOLT FLG X 1 5/16 FOR	74	1	618090	1 5/16MOR-1FNPT ADPTR
18	1	606891	SUND GEAR PMP .52CI SPLINED	75	2	618301	7/8MJIC-90-7/8FJIC SWIV LBO
19	1	614681	RH REAR LEG HYD TUBE ASSY 280	76	2	618132	1 1/16MOR-7/8FOR ADPTR
20	1	614198	FWD VALVE U-TUBE ASSY	77	1	611126	7/8MJIC-7/8MOR ADPTR
21	2	615655	FRT LEG INNER HYD TUBE ASY284	78	1	618130	7/8MOR RUN TEE-7/8MJIC
22	1	614680	REAR LEG HYD TUBE ASSY 280	79	1	618557	7/8FJIC-9/16MJIC ADPTR
23	2	615657	RH FRITLEG OUTR HYDTUBE ASY284	80	1	506410	BLK PIPE ST EL 90DEG 1.25NPT
24	2	615656	FRT LEG CNTR HYD TUBE ASY284	81	2	618327	3/4MJIC-7/8MOR ADPTR
25	2	620570	HYD CYL LEG LEVEL 2.00 X 12	82	2	618474	3/4MJIC-90-1 1/16MOR LBO
26	1	614682	LH REAR LEG HYD TUBE ASSY 280	83	4	714560	1NPT X 1 HOSE BARB
27	1	615658	LH FRITLEG OUTR HYDTUBE ASY284	84	1	715660	HOSE BARB 1 1/4NPT X 1 1/4
28	1	614704	06C1T-06FJX-06FJX-156	85	5	505200	BLK PIPE ST EL 90DEG 1.00NPT
29	2	614685	08C2AT-12FJX-12FJX-106	86	1	618018	9/16MJIC-1/2MNP ADPTR
30	4	614686	08C2AT-08FJX90-10FJX-70	87	1	618019	9/16MJIC UNION TEE
31	2	614101	04C1T-06FJX-06FJX-133	88	2	505105	1MNP HEX PIPE NIPPLE STL
32	2	615444	06C1T-06FJX-08FJX90-60	89	4	618191	1 1/16MJ-90-1 1/16FJ SWIV LBO
33	1	615614	FRT LEG CYL JUMPER HOSE280	90	1	713220	HOSE BARB 3/4 NPT X 3/4
34	1	616034	08C1T-08FJX-08FJX-17	91	2	618314	3/4MJIC UNION
35	1	615633	08C1T-08FJX-08FJX-23	92	1	506602	PIPE NIPPLE 1 1/4NPT-2 1/2
36	1	616048	04C1T-06FJX-06FJX-35	93	2	505098	SIDE OUTLET EL 90DEG 1.00NPT
37	2	616043	04C1T-06FJX-06FJX-23	94	4	618486	9/16FJIC SW RUN TEE-9/16MJIC
38	2	614721	12TWN-12MJ-12FJX90-60	95	1	506303	BLK PIPE EL 90DEG 1.25NPT
39	2	614722	12TWN-12MJ-12FJX90-70	96	2	505102	PIPE PLUG 1.00NPT SQ HD
40	1	614549	06C1T-06FJX-06FJX-140	97	1	501102	1/4 PIPE PLUG
41	1	615449	06C1T-06FJX-06FJX-126	98	1	504210	RED BUSH 3/4 NPT X 1/2 NPT
42	1	601380	HOSE, 1 1/4 X 35 1FBR-1SPI	99	2	504702	CLOSE NIPPLE .75NPT
43	1	601386	HOSE, 3/4 X 100 1FBR-1SPI	100	2	504955	BLK PIPE TEE .75NPT
44	1	601385	HOSE, 3/4 X 65 1FBR-1SPI	101	3	505203	BLK PIPE NIPPLE 1.00NPT-4.00
45	1	601387	HOSE, 1" X 104 1FBR-1SPI	102	1	607526	FLOW CTRL VALVE,28GPM IN-LINE
46	1	601381	HOSE, 1 X 39 1FBR-1SPI	103	2	618114	9/16MJIC-90-7/16MOR LBO
47	1	601383	HOSE, 3/4 X 8 1FBR-1SPI	104	1	614639	04C1T-06FJX-06FJX-126
48	3	618531	9/16FJIC CAP NUT	105	1	610621	SUND HYD MOTOR
49	1	618328	7/8FJIC CAP NUT	106	1	610302	HYD SOLENOID VALVE 3WAY 12VDC
50	2	618487	1 1/16FJ SW RUN TEE-1 1/16MJ	107	2	611122	9/16MJIC-90-1/4MNP LBO
51	2	505101	BLK PIPE TEE 1.00NPT	108	1	618520	1/4MNP RUN TEE-9/16MJIC
52	1	610300	3/4MJIC-3/4MNP ADPTR	109	2	616056	04C1T-06FJX-06FJX-32
53	2	714331	1 NPT X 3/4 HOSE BARB	110	1	615263	16TWN-16FJX-16FJX90L-18
54	2	618599	1 5/16MOR BRANCH TEE-1 5/16MJ	111	1	610618	POSTTRACTION VLV,STL,88SP 60G
55	3	618119	9/16MJIC-90-9/16MOR LBO	112	2	618308	1 1/16MJIC-1 5/16MOR ADPTR
56	2	618183	3/4MJIC-90-7/8MOR LBO	113	1	618178	1 5/16MJIC-90-1 5/16MOR LBO
57	2	618172	7/8MOR-9/16FOR ADPTR	114	2	828092	MICRO HYD BRAKE



NOTE : REFER TO DETAIL 7 RELIEF PRESSURE SETTING.  
 \*STEERING RELIEF SETTING - 1850 PSI  
 \*\*BOOM RELIEF SETTING - 2650 PSI

284 HYDRAULIC SCHEMATIC 96  
REFERENCE DRAWING NO. 498515S2  
SERIAL NO. 083579001 THRU 083579090

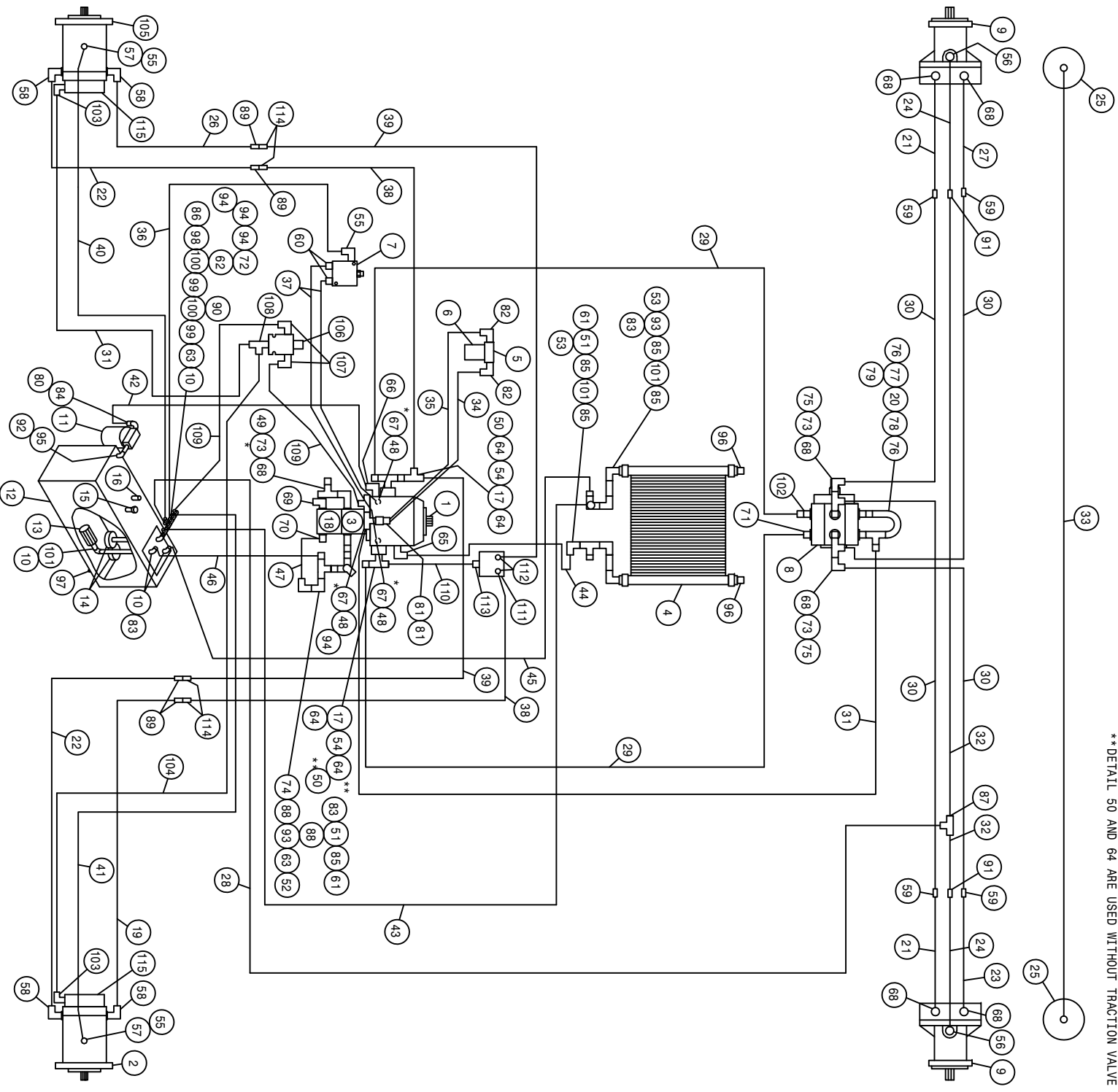
DET.	QTY	PART NO.	DESCRIPTION	DET.	QTY	PART NO.	DESCRIPTION
1	2	610510	CESSNA GEAR MOTOR 1.48CI	29	2	611122	9/16MJIC-90-1/4MNPT LBO
2	1	690573	HYD MOTOR, FLOMAX HI-SPEED	30	2	618338	9/16MJIC-45-1/4MNPT LBO
3	1	610447	HYD FILTER, INLINE 1/4FNPT 90M	31	2	611147	3/4MJIC-1/2MNPT ADPTR
4	1	606827	FLO CONT FC51 0-3 VARI 7/8FOR	32	3	503820	BLK PIPE TEE .50NPT
5	2	620080	STRG CYL ASSY 1.50 X 6.0 1985	33	3	618018	9/16MJIC-1/2MNPT ADPTR
6	1	606818	FLO CONT FCR51 0-16GPM 7/8FOR	34	1	503600	CLOSE NIPPLE .50NPT
7	2	607512	RELIEF VALVE, REL50, 1850 PSI	35	1	618514	9/16F J SW BRANCH TEE-9/16MJ
8	1	607504	FLO DIV B50 2-8GPM 7/8 FOR	36	5	618486	9/16FJIC SW RUN TEE-9/16MJIC
9	1	610569	6 SECT,5 FUCTN HYD VLV, EATON	37	1	618325	7/8MJIC-1/2MNPT ADPTR
10	1	749150	STRG MTR NON-LOAD REACT	38	1	712440	1/2 NPT X 3/4 HOSE BARB
11	2	614664	10C1T-10FJX-10FJX-98	39	2	618310	9/16MJIC-7/8MOR ADPTR
12	3	614693	06C1T-06FJX-06FJX-168	40	3	618618	9/16MJIC-90-9/16FJIC SWIV LBO
13	1	614159	04C1T-06FJX-06FJX-169	41	1	618172	7/8MOR-9/16FOR ADPTR
14	4	614663	04C1T-06FJX-06FJX-16	42	11	618119	9/16MJIC-90-9/16MOR LBO
15	1	616028	04C1T-06FJX-06FJX-47	43	1	618327	3/4MJIC-7/8MOR ADPTR
16	1	611204	04C1T-06FJX-06FJX-78	44	1	618440	9/16MJIC-90-9/16MOR EX LG LBO
17	1	616040	04C1T-06FJX-06FJX-67	45	4	618126	9/16MJIC-9/16MOR ADPTR
18	3	616026	04C1T-06FJX-06FJX-37	46	1	611128	7/8MJIC-90-7/8MOR LBO
19	1	616057	08C1T-08FJX-08FJX-88	47	2	611126	7/8MJIC-7/8MOR ADPTR
20	1	614571	06C1T-06FJX-06FJX-126	48	3	611121	9/16MJIC-1/4MNPT ADPTR
21	2	611208	04C1T-06FJX-06FJX-98	49	4	618092	1 1/16MOR-1/2FNPT ADPTR
22	1	615452	06C1T-06FJX-06FJX-16	50	8	618107	9/16MJIC-90-1/2MNPT LBO
23	1	615521	10C1T-10FJX-10FJX-18	51	1	618562	9/16MOR-90-1/4MNPT LBO
24	1	615465	08C1T-08FJX-08FJX-33	52	2	500000	1/2MNPT HEX PIPE NIPPLE STL
25	1	614662	08C1T-08FJX-08FJX-72	53	2	618072	7/8MOR-1/2FNPT ADPTR
26	1	601384	HOSE, 3/4 X 40 1FBR-1SP1	54	2	618531	9/16FJIC CAP NUT
27	4	618496	9/16MJIC-45-3/4MOR LBO	55	2	618609	3/4MJIC-90-3/4FJIC SWIV LBO
28	3	618019	9/16MJIC UNION TEE	56	2	618241	3/4MJIC-90-3/4MOR LBO





284 HYDRAULIC SCHEMATIC 97  
REFERENCE DRAWING NO. 498515S3  
SERIAL NO. 083579001 THRU 083579090

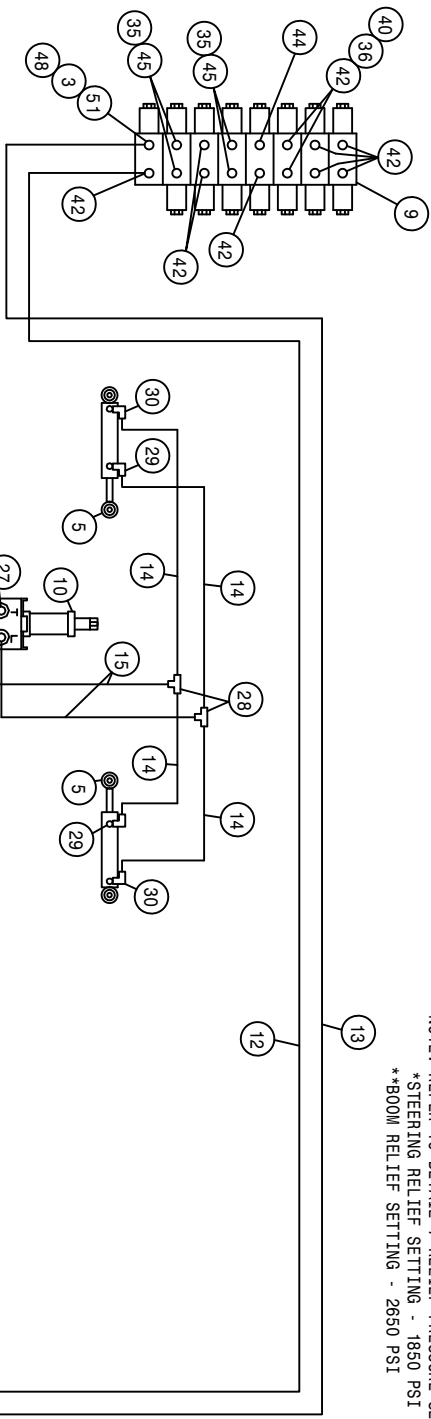
DET.	QTY	PART NO.	DESCRIPTION	DET.	QTY	PART NO.	DESCRIPTION
1	2	620120	CYL ASSY,RH LEG, TREAD ADJ 94	26	7	614663	04C1T-06FJX-06FJX-16
2	2	610450	RESTRICTOR .025 1-WAY,1/2FNPT	27	2	615616	04C1T-06FJX-06FJX-65
3	2	620585	LEVEL CYL ASSY, 2 X 10	28	2	611210	04C1T-06FJX-06FJX-156
4	2	620581	LIFT CYL ASSY, 2 X 14 HD	29	1	616042	04C1T-06FJX-06FJX-13
5	2	620900	CYL ASSY CC2016 D00 SRG 180	30	3	616049	04C1T-06FJX-06FJX-26
6	2	620632	ACCUMULATOR CYL ASSY	31	2	614308	04C1T-06FJX-06FJX-109
7	2	620123	CYL ASSY,STRG,125"TTREAD	32	4	616026	04C1T-06FJX-06FJX-37
8	2	620122	CYL ASSY,STRG,90"TTREAD	33	1	616037	04C1T-06FJX-06FJX-29
9	2	620121	CYL ASSY,LH LEG, TREAD ADJ 94	34	1	614713	04C1T-06FJX-06FJX-24
10	2	620652	FOLD CYL ASSY, 2 X 10 IN	35	1	614712	04C1T-06FJX-06FJX-20
11	1	615641	FOLD HYD TUBE ASSY, IN 254/284	36	2	618633	1/2MNP-90-1/4MNP REDU LBO
12	1	615639	LEVEL HYD TUBE ASSY,UP254/284	37	14	619010	9/16MJIC UNION
13	1	615637	LIFT HYD TUBE ASSY,UP 254/284	38	2	618486	9/16FJIC SW RUN TEE-9/16MJIC
14	1	615640	LEVEL HYD TUBE ASSY, DN254/284	39	2	618320	9/16MJIC UNION CROSS
15	1	615638	LIFT HYD TUBE ASSY, DN 254/284	40	6	618019	9/16MJIC UNION TEE
16	1	615642	FOLD HYD TUBE ASSY,OUT254/284	41	2	618018	9/16MJIC-1/2MNP ADPTR
17	1	615683	FOLD BOOM HYD TUBE ASSY, OUT	42	16	611122	9/16MJIC-90-1/4MNP LBO
18	1	615682	FOLD BOOM HYD TUBE ASSY, IN	43	2	618618	9/16MJIC-90-9/16FJIC SWIV LBO
19	4	615684	HYD TUBE ASSY,BOOM EXT FOLD96	44	1	614714	04C1T-06FJX-06FJX-34
20	6	614365	RESTRICTOR ELBOW ASSY .042DIA	45	1	614715	04C1T-06FJX-06FJX-43
21	8	614710	RESTRICTOR ELBOW ASSY .025DIA	46	1	616059	04C1T-06FJX-06FJX-33
22	4	615442	04C1T-06FJX-06FJX-55	47	1	610628	4-WAY, 2-POSITION SOL VLV
23	6	616040	04C1T-06FJX-06FJX-67	48	3	618115	9/16MJIC-90-3/4MOR LBO
24	1	616028	04C1T-06FJX-06FJX-47	49	1	618109	9/16MJIC-3/4MOR ADPTR
25	6	616043	04C1T-06FJX-06FJX-23	50	1	618618	9/16MJIC-90-9/16FJIC SWIV LBO



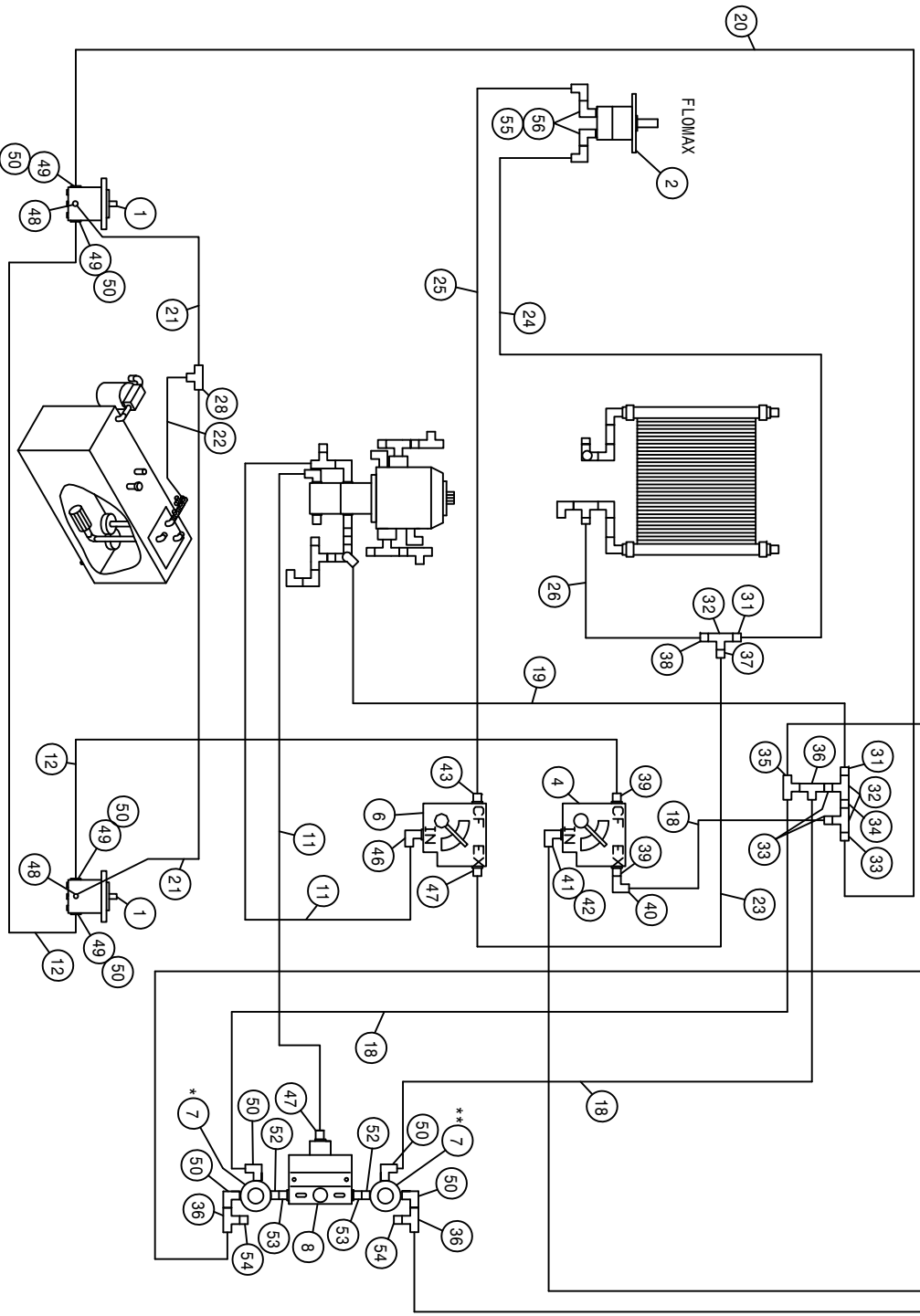
\*NOTE:  
 REFER TO DETAIL 73 TO CHECK AUX. SYSTEM - 1850 PSI  
 REFER TO DETAIL 67 TO CHECK LIMIT SETTING - 4500 PSI  
 REFER TO DETAIL 67 TO CHECK CHARGE PRESSURE - 380 PSI  
 \*\*DETAIL 50 AND 64 ARE USED WITHOUT TRACTIION VALVE

284 HYDRAULIC SCHEMATIC 97  
REFERENCE DRAWING NO. 498522S1  
SERIAL NO. 083579091 THRU 083579200

DET.	QTY	PART NO.	DESCRIPTION	DET.	QTY	PART NO.	DESCRIPTION
1	1	606902	SUND 100CC PUMP,B-MT W/FILT	59	4	618627	7/8MJIC-3/4JIC REDU UNION
2	1	610557	SUND M35-3102 WHL MTR W/SHFT	60	2	618126	9/16MJIC-9/16MOR ADPTR
3	1	606897	SUND GEAR PUMP 1.34CI SPLINED	61	2	716000	3/4 HOSE BARB-90-1MNP
4	1	618606	OIL COOLER, BLISSFIELD 65027	62	1	504001	RED BUSH 3/4 X 1/4 BLK MAL
5	1	605608	HYD FILTER HEAD, DONALDSON	63	2	505213	RED BUSH 1 X 3/4 BLK MAL
6	1	605609	HYD FILTER ELEMENT, DONALDSON	64	4	618541	1 5/16FJIC-1 1/16MJIC ADPTR
7	1	610580	REMOTE FLUSHING VALVE, SUND	65	1	618118	3/4 HOSE BARB-90-1 1/16MOR
8	1	606003	GRESEN SELECTOR VALVE DS-12	66	1	618626	1 1/4 HOSE BARB-45-1 5/8MOR
9	2	610571	SUND M35-3002 WHL MTR	67	3	618629	9/16MOR BRANCH TEE-9/16MJIC
10	4	505300	BLK PIPE EL 90DEG 1.00NPT	68	7	618535	7/8MJIC-90-1 1/16MOR LBO
11	1	605601	GRESEN FILTER 10 MICRON 40GPM	69	1	611128	7/8MJIC-90-7/8MOR LBO
12	1	760097	OIL TANK WLD 8240 1982	70	1	618075	3/4 HOSE BARB-1 1/16MOR
13	1	605600	MICHIGAN RESERVOIR FILTER	71	1	611127	1 1/16MJIC-1 1/16MOR ADPTR
14	2	605603	LINE SUMP DIFFUSER	72	1	618520	1/4MNP RUN TEE-9/16MJIC
15	1	611052	FILLER BREATHER 3/4MPT	73	3	618333	7/8FJIC SW RUN TEE-7/8MJIC
16	1	614453	DIPSTICK, 8IN	74	3	618090	1 5/16MOR-1FNPT ADPTR
17	2	618598	1" 4-BOLT FLG X 1 5/16 FOR	75	2	618301	7/8MJIC-90-7/8FJIC SWIV LBO
18	1	606891	SUND GEAR PMP .52CI SPLINED	76	2	618132	1 1/16MOR-7/8FOR ADPTR
19	1	615706	RH REAR LEG HYDTUBE ASSY28497	77	1	611126	7/8MJIC-7/8MOR ADPTR
20	1	614198	FWD VALVE U-TUBE ASSY	78	1	618130	7/8MOR RUN TEE-7/8MJIC
21	2	615655	FRT LEG INNER HYD TUBE ASY284	79	1	618557	7/8FJIC-9/16MJIC ADPTR
22	2	615657	REAR LEG HYD TUBE ASSY 284 97	80	1	506410	BLK PIPE ST EL 90DEG 1.25NPT
23	1	615657	RH FRTLEG OUTR HYDTUBE ASY284	81	2	618327	3/4MJIC-7/8MOR ADPTR
24	2	615656	FRT LEG CNTR HYD TUBE ASSY284	82	2	618474	3/4MJIC-90-1 1/16MOR LBO
25	2	620570	HYD CYL LEG LEVEL 2.00 X 12	83	4	714560	INPT X 1 HOSE BARB
26	1	615707	LH REAR LEG HYDTUBE ASSY28497	84	1	715660	HOSE BARB 1 1/4NPT X 1 1/4
27	1	615658	LH FRTLEG OUTR HYDTUBE ASY284	85	5	505200	BLK PIPE ST EL 90DEG 1.00NPT
28	1	614704	06C1T-06FJX-06FJX-156 H/A	86	1	618018	9/16MJIC-1/2MNP ADPTR
29	2	614724	12TWM-12FJX-12FJX-106 H/A	87	1	618019	9/16MJIC UNION TEE
30	4	614686	08C2AT-08FJX90-10FJX-70 H/A	88	2	505105	1MNP HEX PIPE NIPPLE STL
31	2	614101	04C1T-06FJX-06FJX-133 H/A	89	4	618640	1 5/16MJ-90-1 5/16FJ SWIV LBO
32	2	615444	06C1T-06FJX-08FJX90-60 H/A	90	1	713220	HOSE BARB 3/4 NPT X 3/4
33	1	615614	FRT LEG CYL JUMPER HOSE280 89	91	2	618314	3/4MJIC UNION
34	1	616034	08C1T-08FJX-08FJX-17 H/A	92	1	506602	PIPE NIPPLE 1 1/4NPT-2 1/2
35	1	615633	08C1T-08FJX-08FJX-23 H/A	93	2	505098	SIDE OUTLET EL 90DEG 1.00NPT
36	1	616048	04C1T-06FJX-06FJX-35 H/A	94	4	618486	9/16FJIC SW RUN TEE-9/16MJIC
37	2	616043	04C1T-06FJX-06FJX-23 H/A	95	1	506303	BLK PIPE EL 90DEG 1.25NPT
38	2	614721	12TWM-12MJ-12FJX90-60 H/A	96	2	505102	PIPE PLUG 1.00NPT SQ HD
39	2	614722	12TWM-12MJ-12FJX90-70 H/A	97	1	501102	1/4 PIPE PLUG
40	1	614549	06C1T-06FJX-06FJX-140 H/A	98	1	504210	RED BUSH 3/4 NPT X 1/2 NPT
41	1	615449	06C1T-06FJX-06FJX-126 H/A	99	2	504702	CLOSE NIPPLE .75NPT
42	1	601380	HOSE, 1 1/4 X 35 1FBR-1SPI	100	2	504955	BLK PIPE TEE .75NPT
43	1	601386	HOSE, 3/4 X 100 1FBR-1SPI	101	3	505203	BLK PIPE NIPPLE 1.00NPT-4.00
44	1	601387	HOSE, 3/4 X 65 1FBR-1SPI	102	1	607526	FLOW CTRL VALVE,28GPM IN-LINE
45	1	601387	HOSE, 1" X 104 1FBR-1SPI	103	2	618114	9/16MJIC-90-7/16MOR LBO
46	1	601381	HOSE, 1 X 39 1FBR-1SPI	104	1	614639	04C1T-06FJX-06FJX-126 H/A
47	1	601383	HOSE, 3/4 X 8 1FBR-1SPI	105	1	610621	SUND HYD MOTOR
48	3	618531	9/16FJIC CAP NUT	106	1	610302	HYD SOLENOID VALVE 3WAY 12VDC
49	1	618328	7/8FJIC CAP NUT	107	2	611122	9/16MJIC-90-1/4MNP LBO
50	2	618487	1 1/16FJ SW RUN TEE-1 1/16MJ	108	1	618520	1/4MNP RUN TEE-9/16MJIC
51	2	505101	BLK PIPE TEE 1.00NPT	109	2	616056	04C1T-06FJX-06FJX-32 H/A
52	1	610300	3/4MJIC-3/4MNP ADPTR	110	1	615263	16TWM-16FJX-16FJX90L-18 H/A
53	1	714331	1 NPT X 3/4 HOSE BARB	111	1	610618	POSITRACTION VLV, STL, 88SP 60G
54	2	618599	1 5/16MOR BRANCH TEE-1 5/16MJ	112	2	618308	1 1/16MJIC-1 5/16MOR ADPTR
55	3	618119	9/16MJIC-90-9/16MOR LBO	113	1	618178	1 5/16MJIC-90-1 5/16MOR LBO
56	2	618183	3/4MJIC-90-7/8MOR LBO	114	4	618641	1 1/16FJIC-1 5/16MJIC ADPTR
57	2	618172	7/8MOR-9/16FOR ADPTR	115	2	828092	MICRO HYD BRAKE
58	4	618576	1 5/16MJIC-90-1 1/16MOR LBO				

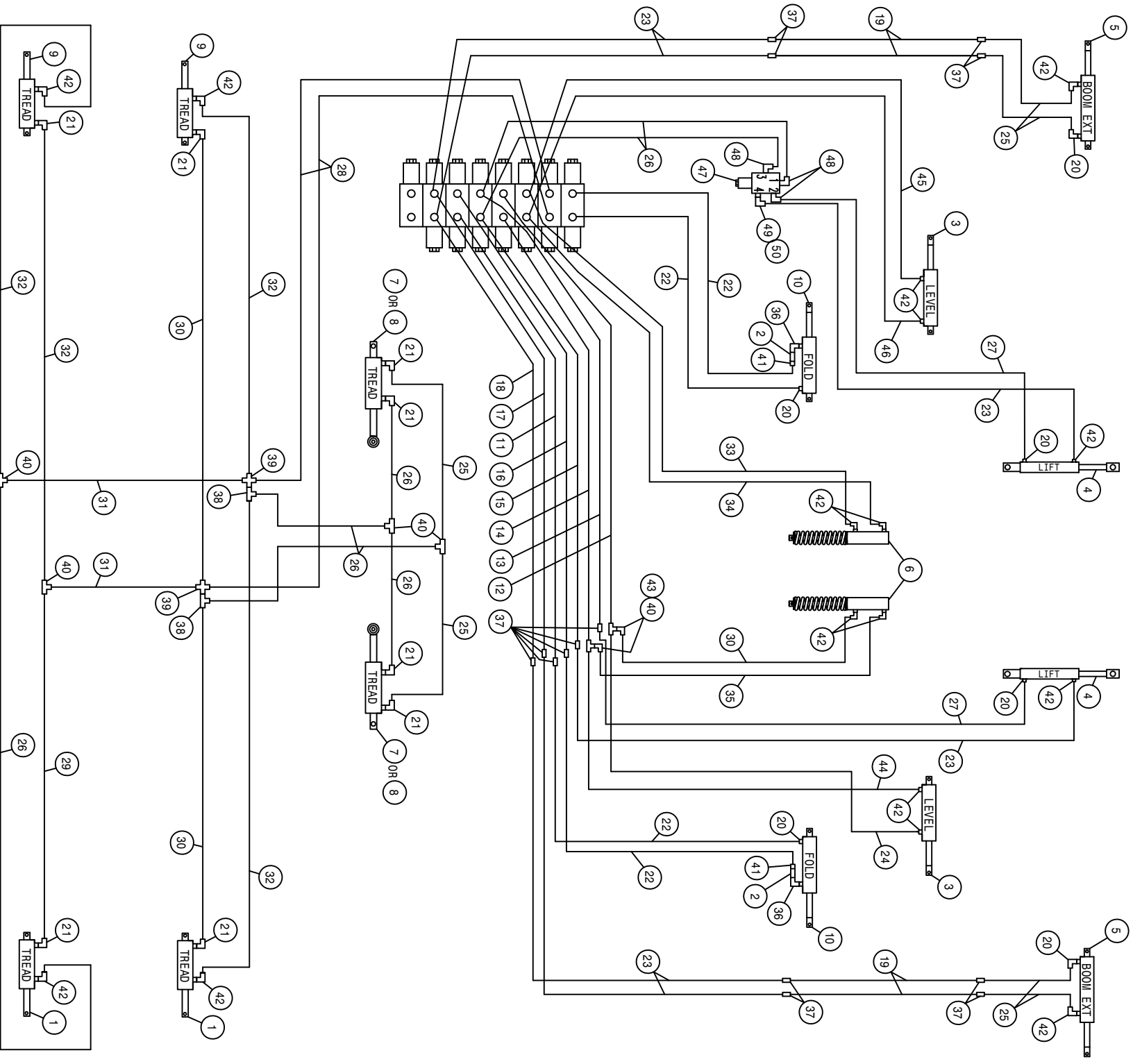


NOTE : REFER TO DETAIL 7 RELIEF PRESSURE SETTING.  
 \*STERING RELIEF SETTING - 1850 PSI  
 \*\*BOOM RELIEF SETTING - 2650 PSI



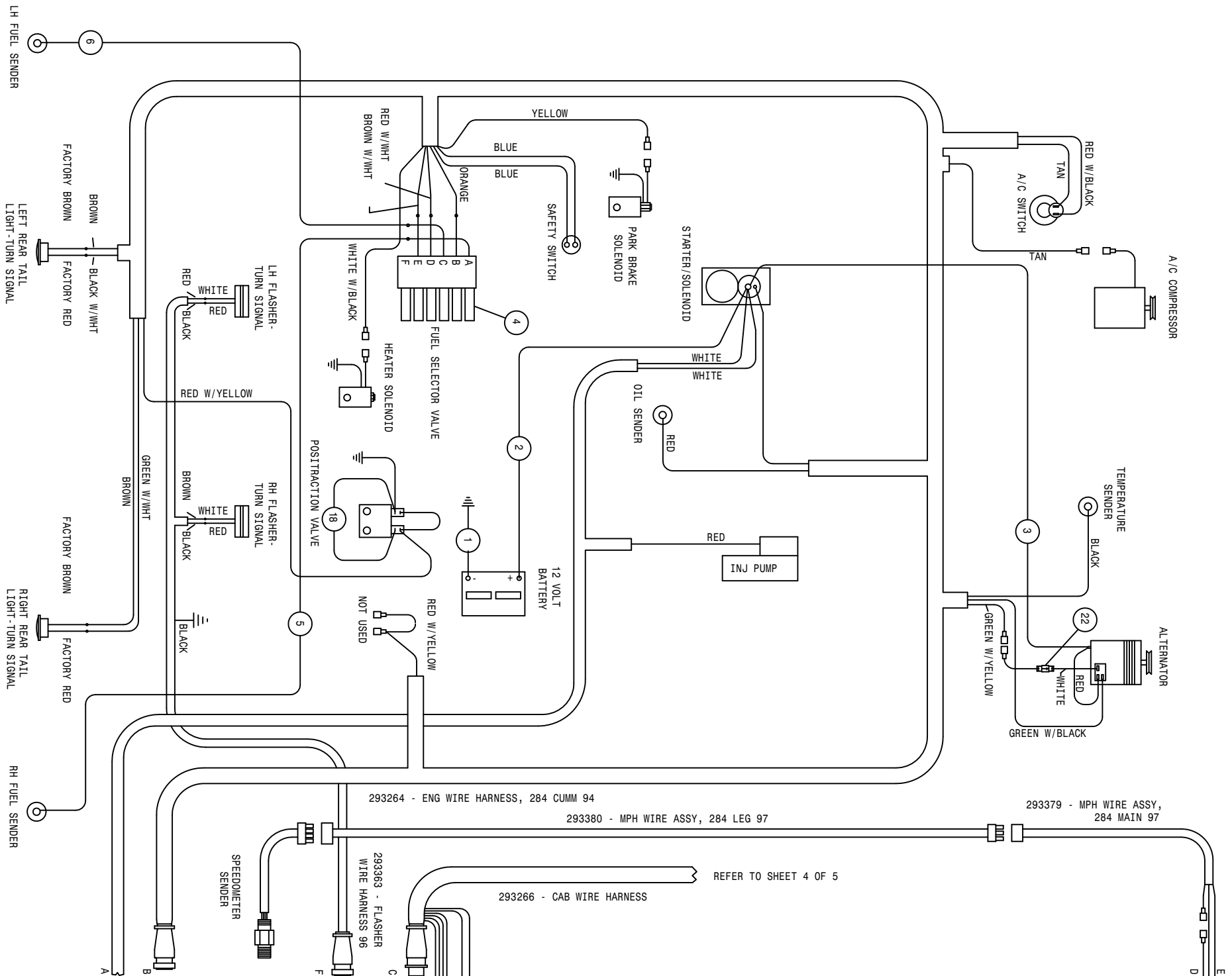
HYDRAULIC SCHEMATIC 97  
REFERENCE DRAWING NO. 498522S2  
SERIAL NO. 083579091 THRU 083579200

DET.	QTY	PART NO.	DESCRIPTION	DET.	QTY	PART NO.	DESCRIPTION
1	2	610510	CESSNA GEAR MOTOR 1.48CI	29	2	611122	9/16MJIC-90-1/4MNPT LBO
2	1	690573	HYD MOTOR, FLOMAX HI-SPEED	30	2	618338	9/16MJIC-45-1/4MNPT LBO
3	1	610447	HYD FILTER, INLINE 1/4FNPT 90M	31	2	611147	3/4MJIC-1/2MNPT ADPTR
4	1	606827	FLO CONT FC51 0-3 VARI 7/8FOR	32	3	503820	BLK PIPE TEE .50NPT
5	2	620080	STRG CYL ASSY 1.50 X 6.0 1985	33	3	618018	9/16MJIC-1/2MNPT ADPTR
6	1	606818	FLO CONT FCR51 0-16GPM 7/8FOR	34	1	503600	CLOSE NIPPLE .50NPT
7	2	607512	RELIEF VALVE, RL50, 1850 PSI	35	5	618514	9/16FJ SW BRANCH TEE-9/16MJ
8	1	607504	FLO DIV B50 2-8GPM 7/8 FOR	36	5	618486	9/16FJIC SW RUN TEE-9/16MJIC
9	1	610569	6 SECT.5 FUCTN HYD VLV, EATON	37	1	618325	7/8MJIC-1/2MNPT ADPTR
10	1	749150	STRG MTR NON-LOAD REACT 1008	38	1	712440	1/2 NPT X 3/4 HOSE BARB
11	2	614664	10CIT-10FJX-10FJX-98	39	2	618310	9/16MJIC-7/8MOR ADPTR
12	3	614693	06CIT-06FJX-06FJX-168	40	3	618618	9/16MJIC-90-9/16FJIC SWIV LBO
13	1	614159	04CIT-06FJX-06FJX-169	41	1	618172	7/8MOR-9/16FOR ADPTR
14	4	614663	04CIT-06FJX-06FJX-16	42	11	618119	9/16MJIC-90-9/16MOR LBO
15	2	616028	04CIT-06FJX-06FJX-47	43	1	618327	3/4MJIC-7/8MOR ADPTR
16	1	611204	04CIT-06FJX-06FJX-78	44	1	618440	9/16MJIC-90-9/16MOR EX LG LBO
17	1	616040	04CIT-06FJX-06FJX-67	45	4	618126	9/16MJIC-9/16MOR ADPTR
18	3	616026	04CIT-06FJX-06FJX-37	46	1	611128	7/8MJIC-90-7/8MOR LBO
19	1	616057	08CIT-08FJX-08FJX-88	47	2	611126	7/8MJIC-7/8MOR ADPTR
20	1	614571	06CIT-06FJX-06FJX-126	48	3	611121	9/16MJIC-1/4MNPT ADPTR
21	2	611208	04CIT-06FJX-06FJX-98	49	4	618092	1 1/16MOR-1/2FNPT ADPTR
22	1	615452	06CIT-06FJX-06FJX-16	50	8	618107	9/16MJIC-90-1/2MNPT LBO
23	1	615521	10CIT-10FJX-10FJX-18	51	1	618562	9/16MOR-90-1/4MNPT LBO
24	1	615465	08CIT-08FJX-08FJX-33	52	2	500000	1/2MNPT HEX PIPE NIPPLE STL
25	1	614662	08CIT-08FJX-08FJX-72	53	2	618072	7/8MOR-1/2FNPT ADPTR
26	1	601384	HOSE, 3/4 X 40 1FBR-1SPI	54	2	618531	9/16FJIC CAP NUT
27	4	618496	9/16MJIC-45-3/4MOR LBO	55	2	618609	3/4MJIC-90-3/4FJIC SWIV LBO
28	3	618019	9/16MJIC UNION TEE	56	2	618241	3/4MJIC-90-3/4MOR LBO



HYDRAULIC SCHEMATIC 97  
REFERENCE DRAWING NO. 498522S3  
SERIAL NO. 083579091 THRU 083579200

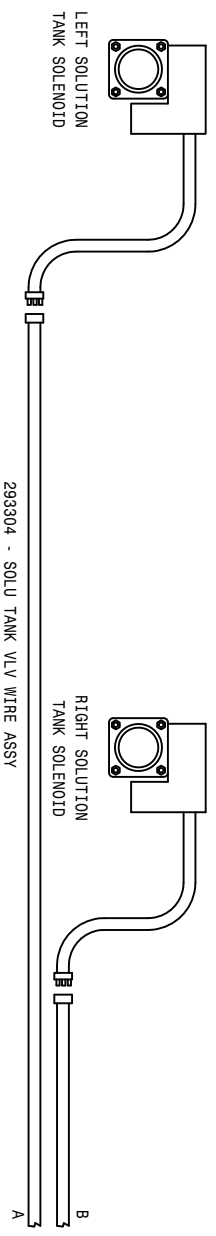
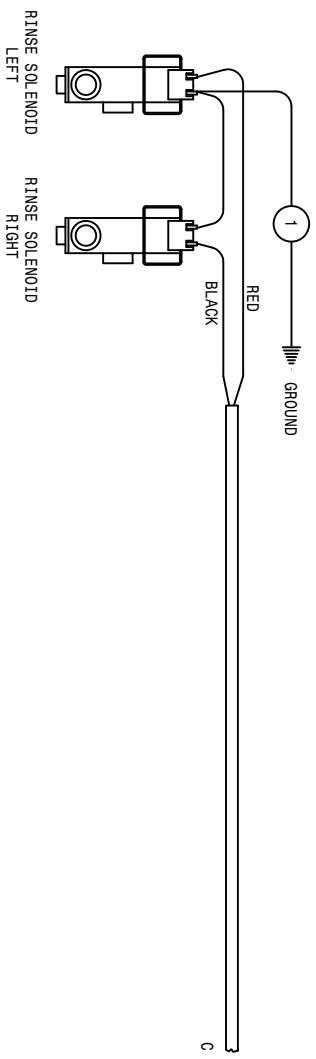
DET.	QTY	PART NO.	DESCRIPTION	DET.	QTY	PART NO.	DESCRIPTION	
1	2	620120	CYL ASSY, RH LEG, TREAD ADJ 94	26	7	614663	04C1T-06FJX-06FJX-16	H/A
2	2	610450	RESTRICTOR .025 1-WAY, 1/2FNPT	27	2	615616	04C1T-06FJX-06FJX-65	H/A
3	2	620585	LEVEL CYL ASSY, 2 X 10	28	2	611210	04C1T-06FJX-06FJX-156	H/A
4	2	620581	LIFT CYL ASSY, 2 X 14 HD	29	1	616042	04C1T-06FJX-06FJX-13	H/A
5	2	620900	CYL ASSY CC2016 D00 SRG 180	30	3	616049	04C1T-06FJX-06FJX-26	H/A
6	2	620632	ACCUMULATOR CYL ASSY	31	2	614308	04C1T-06FJX-06FJX-109	H/A
7	2	620123	CYL ASSY, STRG, 125" TREAD	32	4	616026	04C1T-06FJX-06FJX-37	H/A
8	2	620122	CYL ASSY, STRG, 90" TREAD	33	1	616037	04C1T-06FJX-06FJX-29	H/A
9	2	620121	CYL ASSY, LH LEG, TREAD ADJ 94	34	1	614713	04C1T-06FJX-06FJX-24	H/A
10	2	620652	FOLD CYL ASSY, 2 X 10 IN	35	1	614712	04C1T-06FJX-06FJX-20	H/A
11	1	615641	FOLD HYD TUBE ASSY, IN 254/284	36	2	618633	1/2MNPT-90-1/4MNPT REDU LBO	H/A
12	1	615639	LEVEL HYD TUBE ASSY, UP254/284	37	14	619010	9/16MJIC UNION	
13	1	615637	LIFT HYD TUBE ASSY, UP 254/284	38	2	618486	9/16FJIC SW RUN TEE-9/16MJIC	
14	1	615640	LEVEL HYD TUBE ASSY, DN254/284	39	2	618320	9/16MJIC UNION CROSS	
15	1	615638	LIFT HYD TUBE ASSY, DN 254/284	40	6	618019	9/16MJIC UNION TEE	
16	1	615642	FOLD HYD TUBE ASSY, OUT254/284	41	2	618018	9/16MJIC-1/2MNPT ADPTR	
17	1	615683	FOLD BOOM HYD TUBE ASSY, OUT	42	16	611122	9/16MJIC-90-1/4MNPT LBO	
18	1	615682	FOLD BOOM HYD TUBE ASSY, IN	43	2	618618	9/16MJIC-90-9/16FJIC SWIV LBO	
19	4	615684	HYD TUBE ASSY, BOOM EXT FOLD96	44	1	614714	04C1T-06FJX-06FJX-34	H/A
20	6	614365	RESTRICTOR ELBOW ASSY .042D1A	45	1	614715	04C1T-06FJX-06FJX-43	H/A
21	8	614710	RESTRICTOR ELBOW ASSY .025D1A	46	1	616059	04C1T-06FJX-06FJX-33	H/A
22	4	615442	04C1T-06FJX-06FJX-55	47	1	610628	4-WAY, 2-POSITION SOL VLV	
23	6	616040	04C1T-06FJX-06FJX-67	48	3	618115	9/16MJIC-90-3/4MOR LBO	
24	1	616028	04C1T-06FJX-06FJX-47	49	1	618109	9/16MJIC-3/4MOR ADPTR	
25	6	616043	04C1T-06FJX-06FJX-23	50	1	618618	9/16MJIC-90-9/16FJIC SWIV LBO	





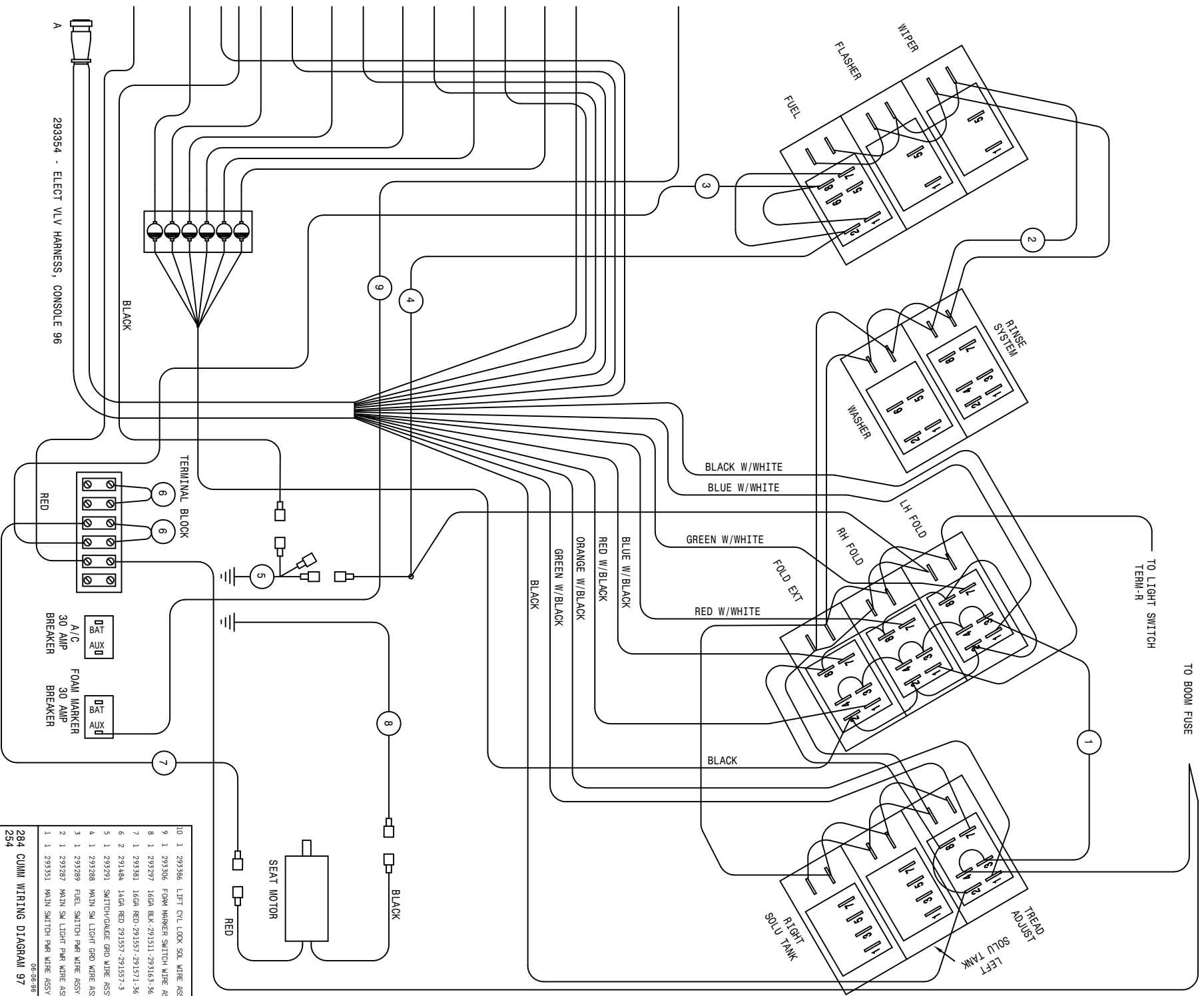


SOLUTION SOLENOID VALVES



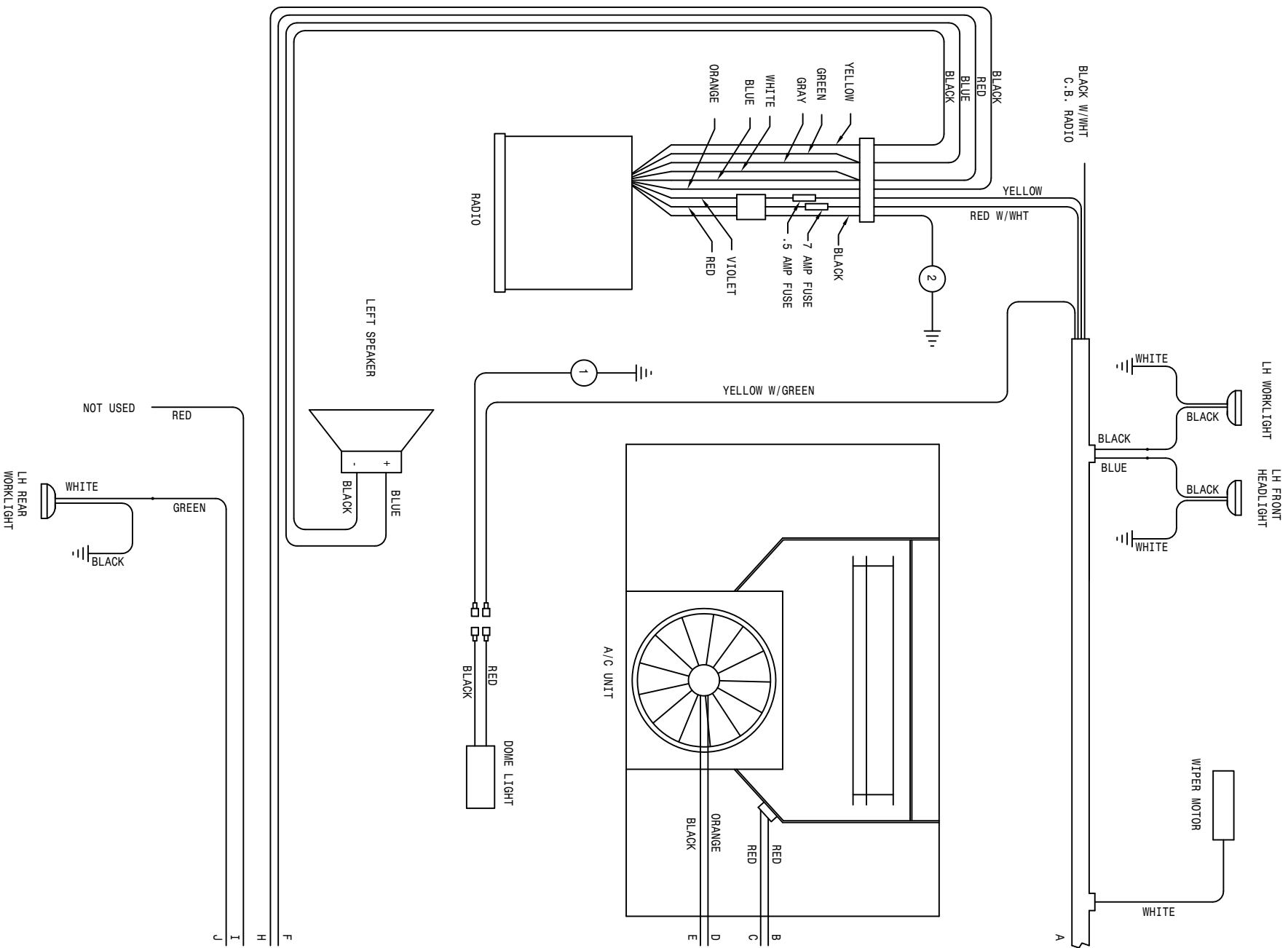


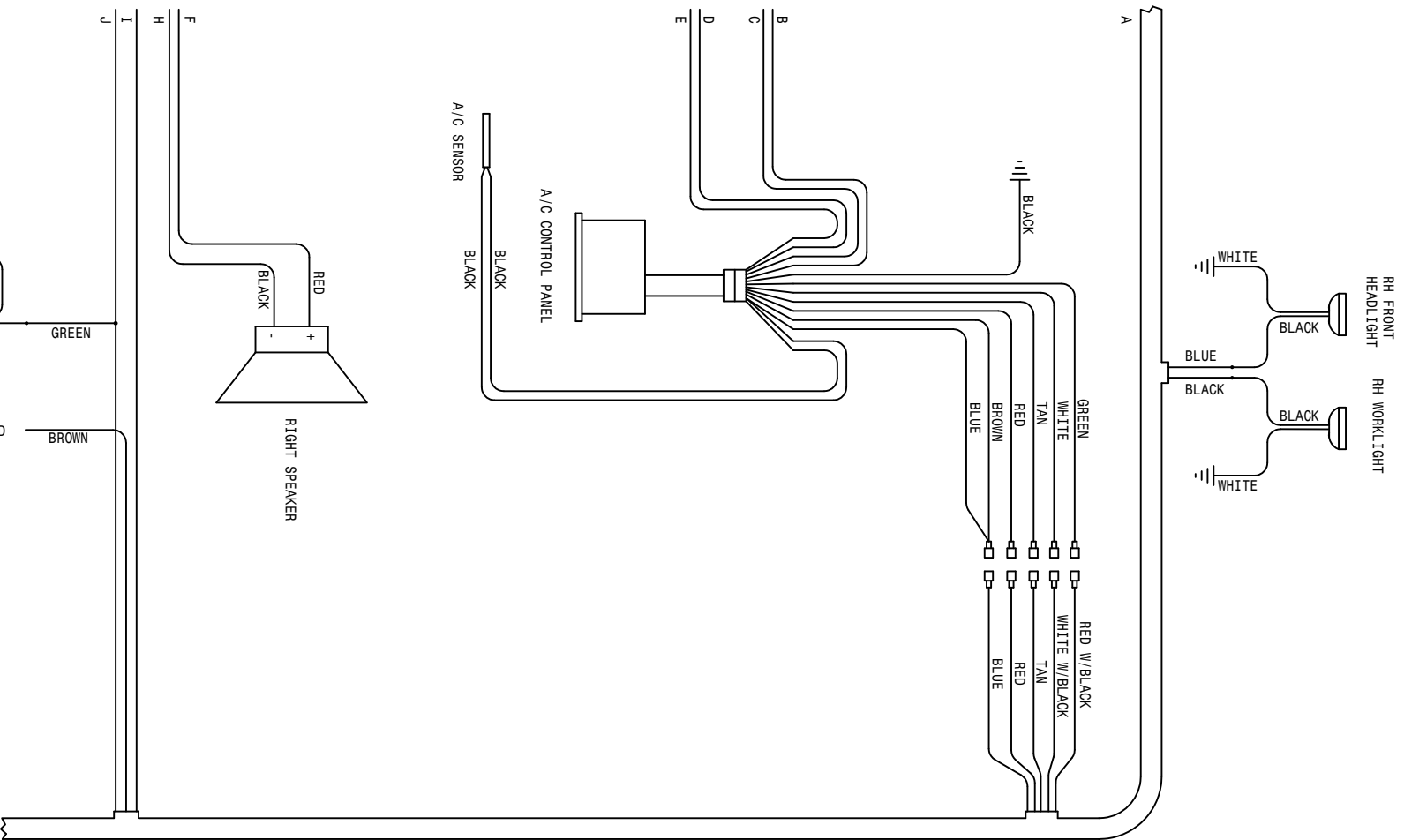




10	1	293386	LEFT CYL LOCK SOL. WIRE ASSY
9	1	293306	FOAM MARKER SWITCH WIRE ASSY
8	1	293297	16GA BLK-291311-293163-36
7	1	293381	16GA RED-291557-293171-36
6	2	291484	16GA RED-291557-293157-3
5	1	293291	SWITCH/GAUGE GRD WIRE ASSY
4	1	293288	MAIN SW LIGHT GRD WIRE ASSY
3	1	293289	FUEL SWITCH PAR WIRE ASSY
2	1	293287	MAIN SW LIGHT PAR WIRE ASSY
1	1	293251	MAIN SWITCH PAR WIRE ASSY 96

284 CUMM WIRING DIAGRAM 97  
 SHEET 9 OF 9  
 REVISION DATE: 03-02-98  
 498512

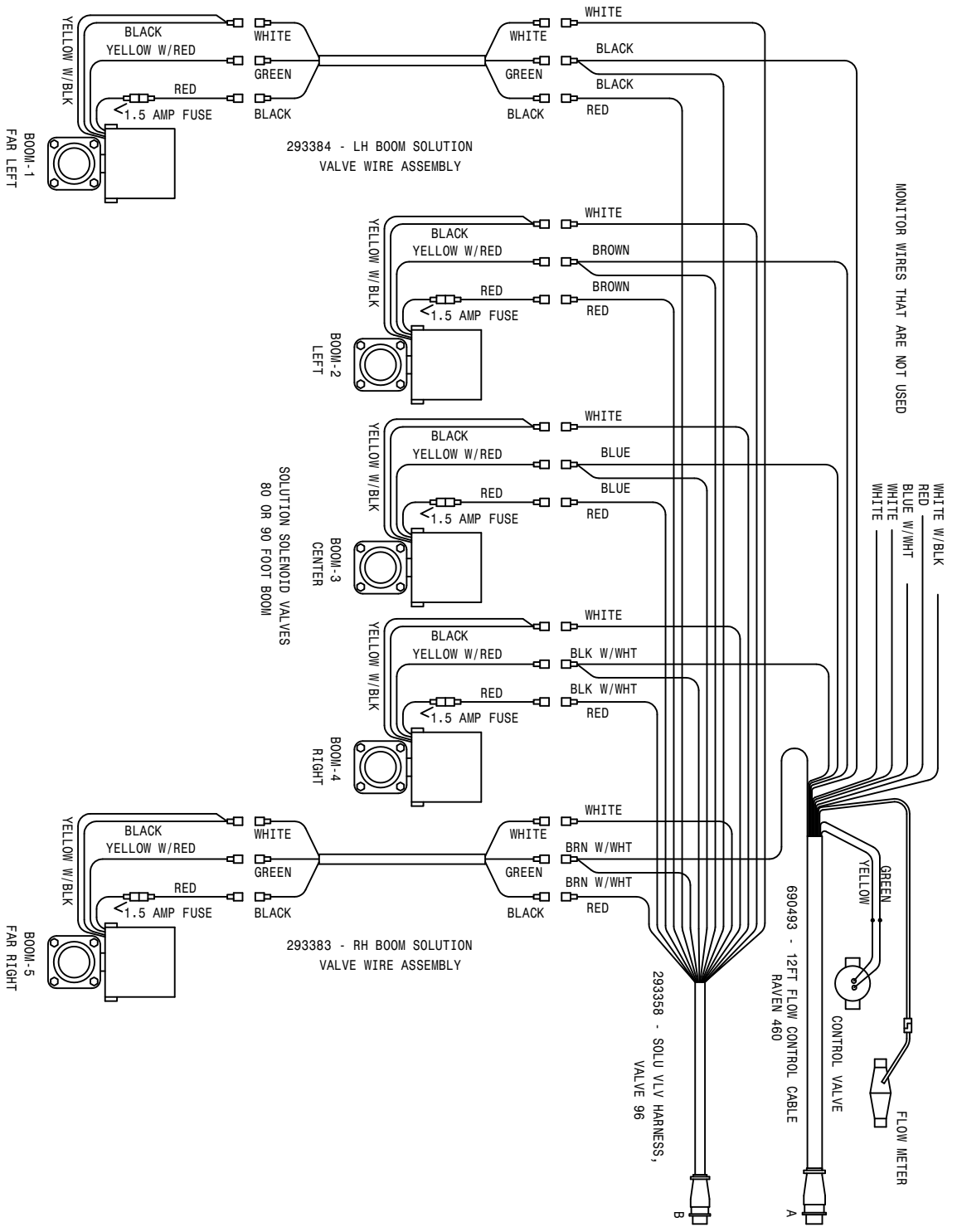
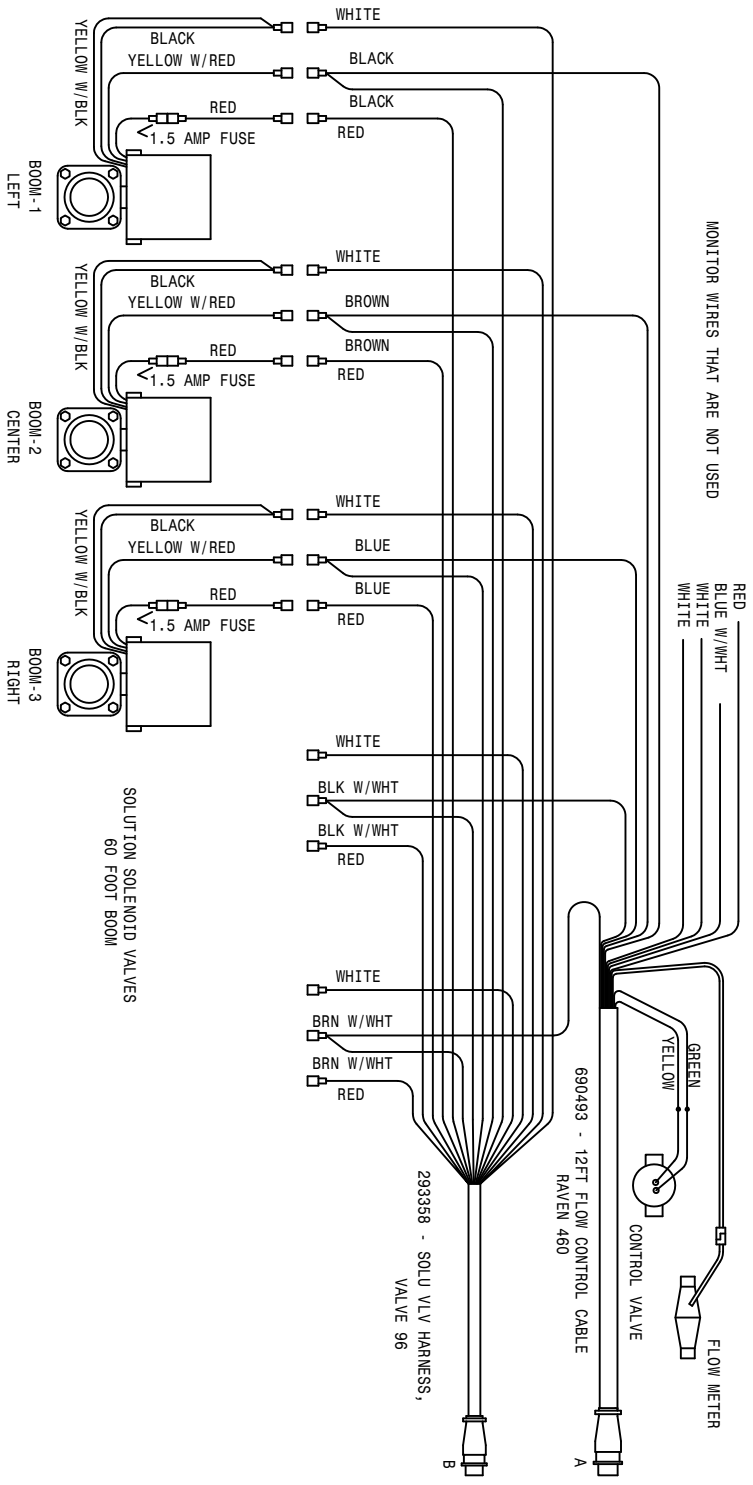




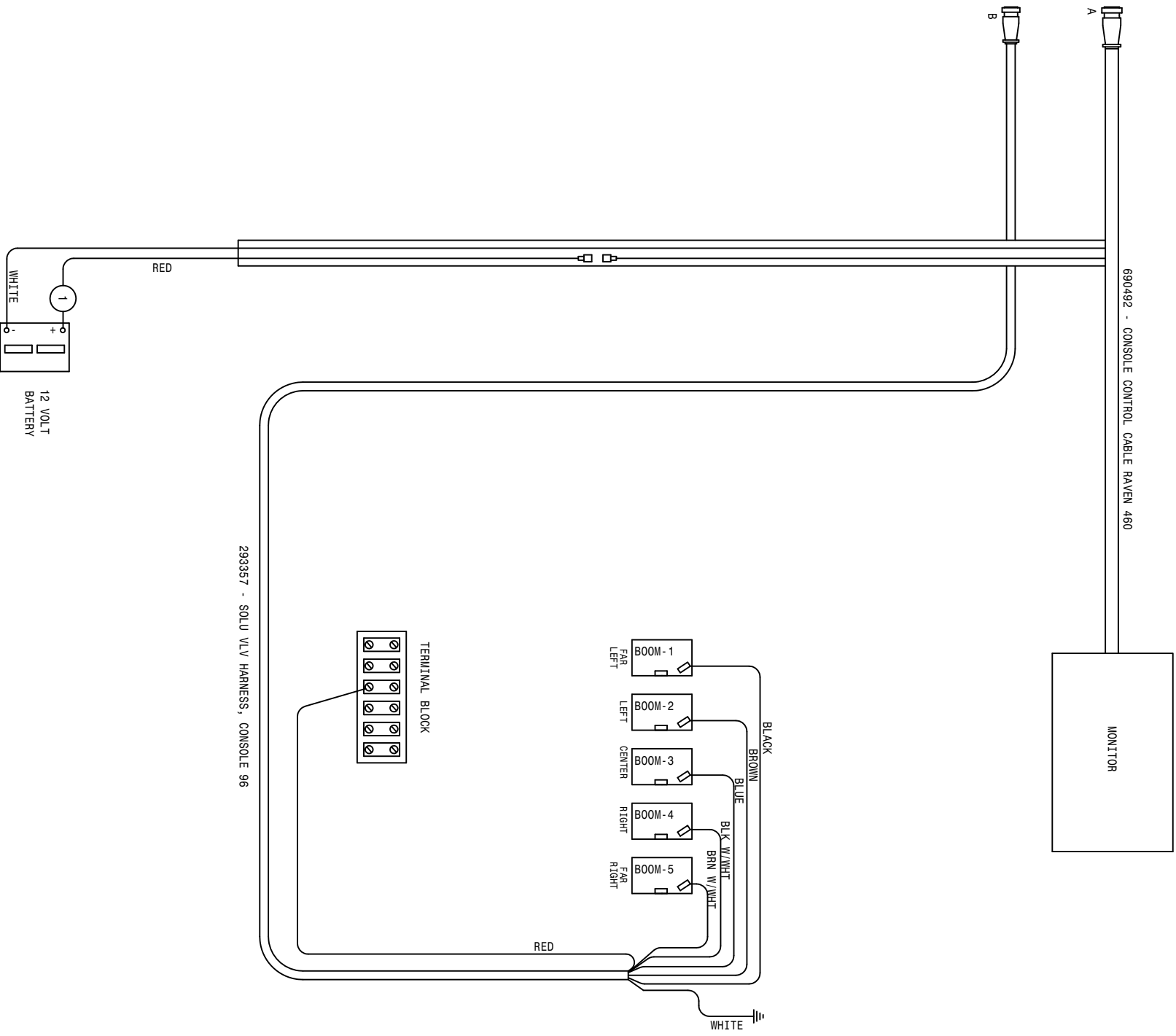
293266 - CAB WIRE HARNESS

REFER TO SHEET 1 OF 4

2	1	293300	16GA BLK-291511-291571-18	06-08-98	TUM
1	1	293299	16GA BLK-291511-291571-30		
<b>284 CUMM WIRING DIAGRAM 97</b>					
<b>254</b>					
SHEET 4 OF 5					
REVISION DATE:					
<b>498512</b>					







1	1	293149	1AQA	RED	291559	291590	26
284 CUMM WIRING DIAGRAM 97							
SHEET 5 OF 5							
REVISION DATE:							
08-21-98 TUM							
498512							

# NOTICE

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The following page contains decals for the model 284.

These decals can be obtained from Hagie Mfg. Co. and should be used whenever your machine is repainted or when the decals become worn, weathered, or faded.

Special attention should be paid to decals involving personal safety. They have been attached for your protection.

**KEEP THEM IN PLACE.**

Contact: Hagie Manufacturing Co.  
Box 273  
Clarion, Iowa 50525

## 284 DECALS

QTY.	PART NO.	DESCRIPTION	LOCATION
1	650831	EMERGENCY STOP DECAL	ON LOWER LH FRONT CAB FOAM
1	650320	EMERGENCY EXIT DECAL	ON LOWER REAR OF EXIT WINDOW
1	650335	CONSOLE COVER PANEL DECAL	ON CONSOLE SHEET METAL
1	650340	PARK BRAKE DECAL	NEAR PARK SWITCH
1	650822	SOLUTION PUMP DECAL	ON FRONT CROSSMEMBER
1	650847	NO PASSENGER DECAL	REAR CORNER OF CAB
2	650848	SLIP OR FALL DECAL	2-ON EACH FUEL TANK
2	650849	ENGINE FUEL DECAL	NEAR EACH FUEL TANK NECK
2	650850	CHEMICAL DECAL	ON SOLUTION TANK LIDS
2	650851	SHIELDS DECAL	ON SIDE OF TOP ENGINE COVER
1	650852	READ MANUAL DECAL	ON LOWER LH FRONT CAB FOAM
1	650319	NOTICE-FRT LEG CYL OIL	ON TOP LH FRONT LEG
1	650326	HAGIE DECAL	ON FRONT MAINFRAME SHIELD
2	650954	DIESEL DECAL	NEAR EACH FUEL NECK
1	650981	COOLING SYSTEM DECAL	NEAR RADIATOR CAP
1	650982	ELECTRICAL DECAL	RIGHT HAND SIDE OF OIL TANK
4	650985	WHEEL BOLT TORQUE DECAL	ON EACH WHEEL RIM
1	650323	DECAL SET, HAGIE 284 STRIPE	ON EACH ENGINE HOOD
2	650324	DECAL STRIPE, 3 X 72	ON EACH TANK SHIELD
1	650329	SPRAY CONTROL/TRAC DECAL	ON INSTRUMENT PANEL
1	650334	SS SIGHT GAUGE DECAL	ON SIGHT GAUGE MOUNT
1	650336	FOLD BOOM WARNING DECAL	ON LOWER REAR OF EXIT WINDOW
1	650337	ELECTROCUTION HAZARD DECAL	ON LOWER REAR OF EXIT WINDOW
1	650339	HYDRAULIC OIL INJ. DECAL	ON LOWER REAR OF EXIT WINDOW

ABBREVIATIONS

A/C - AIR CONDITIONER	MT - MOUNT
ADPTR - ADAPTER	MTR - MOTOR
AGI - AGITATOR	P/N - PART NUMBER
ALT - ALTERNATOR	PLT - PLATE
ASSY - ASSEMBLY	QTY - QUANTITY
BRKT - BRACKET	RED - REDUCER
DET - DETAIL	REF - REFERENCE
DISPL - DISPLACEMENT	REST - RESTRICTOR
EL - ELBOW	REQ - REQUIRED
EXT - EXTENSION	SHFT - SHAFT
FLO - FLOW	SOL - SOLUTION
FNPT - FEMALE NATIONAL PIPE THREAD	STRG - STEERING
FOR - FEMALE O-RING	ST - STREET
FRT - FRONT	SWIV - SWIVEL
HYD - HYDRAULIC	UNC - UNIFIED NATIONAL COURSE
HYDRO - HYDROSTATIC	UNF - UNIFIED NATIONAL FINE
LG - LONG	V - VOLT
LWR - LOWER	W/ - WITH
MJIC - MALE J.I.C.	WHL - WHEEL
MOR - MALE O-RING	WLD - WELDMENT

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# PARTS ORDER FAX



Ph. 1 (800) 247-4885    Fx. 1 (515) 532-3553

Photocopy and fax to Hagie Customer Support Department

ORDERED BY/BILL TO:

Name \_\_\_\_\_  
 Co. Name \_\_\_\_\_  
 Street \_\_\_\_\_  
 City, St, Zip \_\_\_\_\_  
 Ph. \_\_\_\_\_ Fx. \_\_\_\_\_

SHIP TO:

Name \_\_\_\_\_  
 Co. Name \_\_\_\_\_  
 Street \_\_\_\_\_  
 City, St, Zip \_\_\_\_\_  
 Ph. \_\_\_\_\_ Fx. \_\_\_\_\_

HOW SHIP:    UPS Ground    Next Day    2 Day    3 Day    Other \_\_\_\_\_

If "HOW SHIP" is left blank, parts will be sent UPS ground service. If part is over 150 pounds, an independent motor freight company will be used.

PAYMENT:    Hagie Account #\*\*\* \_\_\_\_\_

C.O.D

American Express    Discover    Visa    Master Card

Signature: \_\_\_\_\_  
 name as appears on card: \_\_\_\_\_  
 card no. \_\_\_\_\_ exp. date \_\_\_\_\_

Year and Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

Item Serial No. (if necessary): \_\_\_\_\_

Engine (include type) \_\_\_\_\_

Hydrostatic Pump (s) \_\_\_\_\_

Torque Hub \_\_\_\_\_       LF    RF    LR    RR

Wheel Motor \_\_\_\_\_       LF    RF    LR    RR

HAGIE Part No.	Qty.	Description

Check here if you want phone confirmation of parts order.

\* Orders received before 3:00 p.m., CST will be processed the same business day.  
 Regular business hours are Monday through Friday, 7:00 a.m. through 5:00 p.m..

\*\* If you do not have a Hagie account number, contact the Hagie Customer Support Department and you will be issued one.



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