



RC 12
BRUSH CHIPPER



Parts Manual

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Each machine shipped contains Operation, Maintenance & Parts Manuals to familiarize the operator with the proper operating, lubricating and maintenance instructions. This helps to ensure the best possible performance and service from the machine. Read and understand all instructions before attempting to operate this machine. This manual should be readily available for reference at all times. Additional copies of this manual may be purchased from Rayco.

This Rayco Chipper was designed and manufactured by Rayco Manufacturing, Inc., Wooster, Ohio. Due to continuous improvements, Rayco reserves the right to make changes in engineering, design and specifications, or discontinue manufacture, at any time, without notice or obligation.

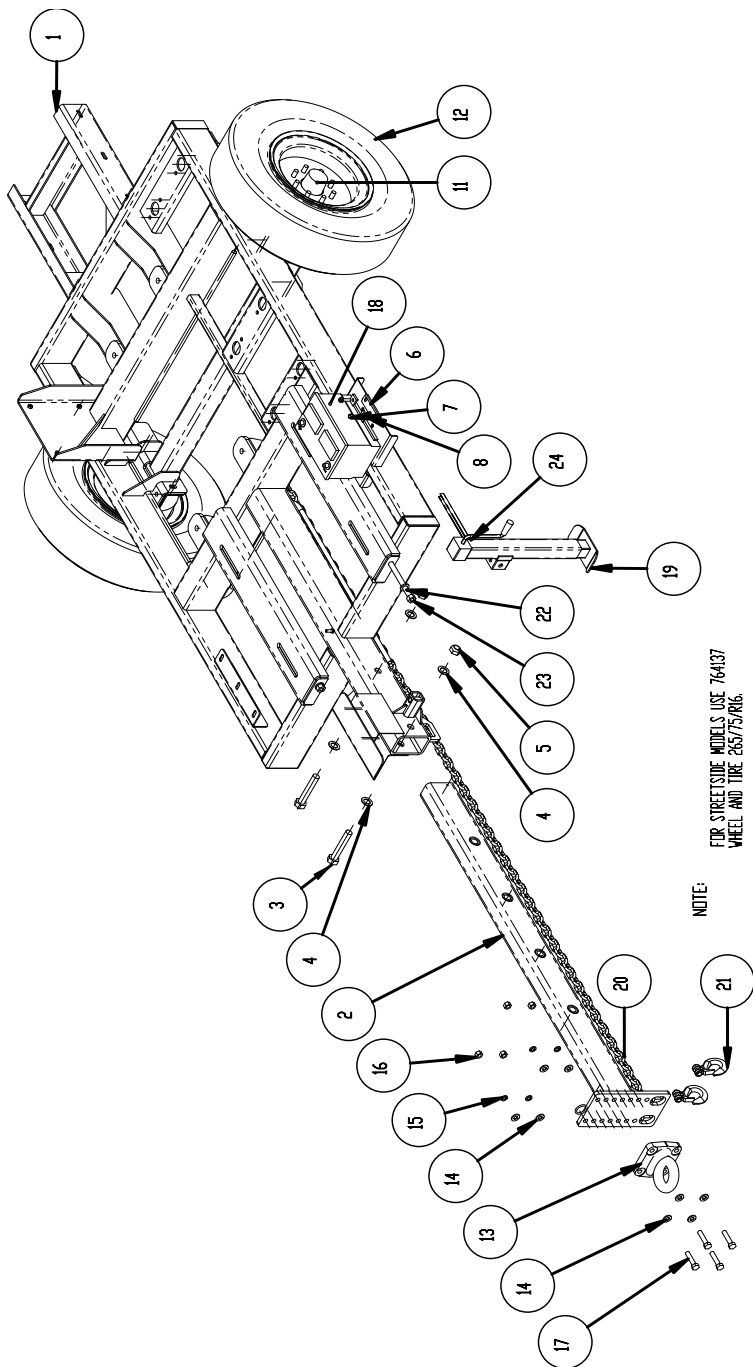
Always have a record of the model numbers and serial numbers for your machine to specify when ordering parts. Record your machine model and serial numbers below for your personal records.

IDENTIFICATION NUMBERS		
	Model Number	Serial Number
Chipper		
Engine		

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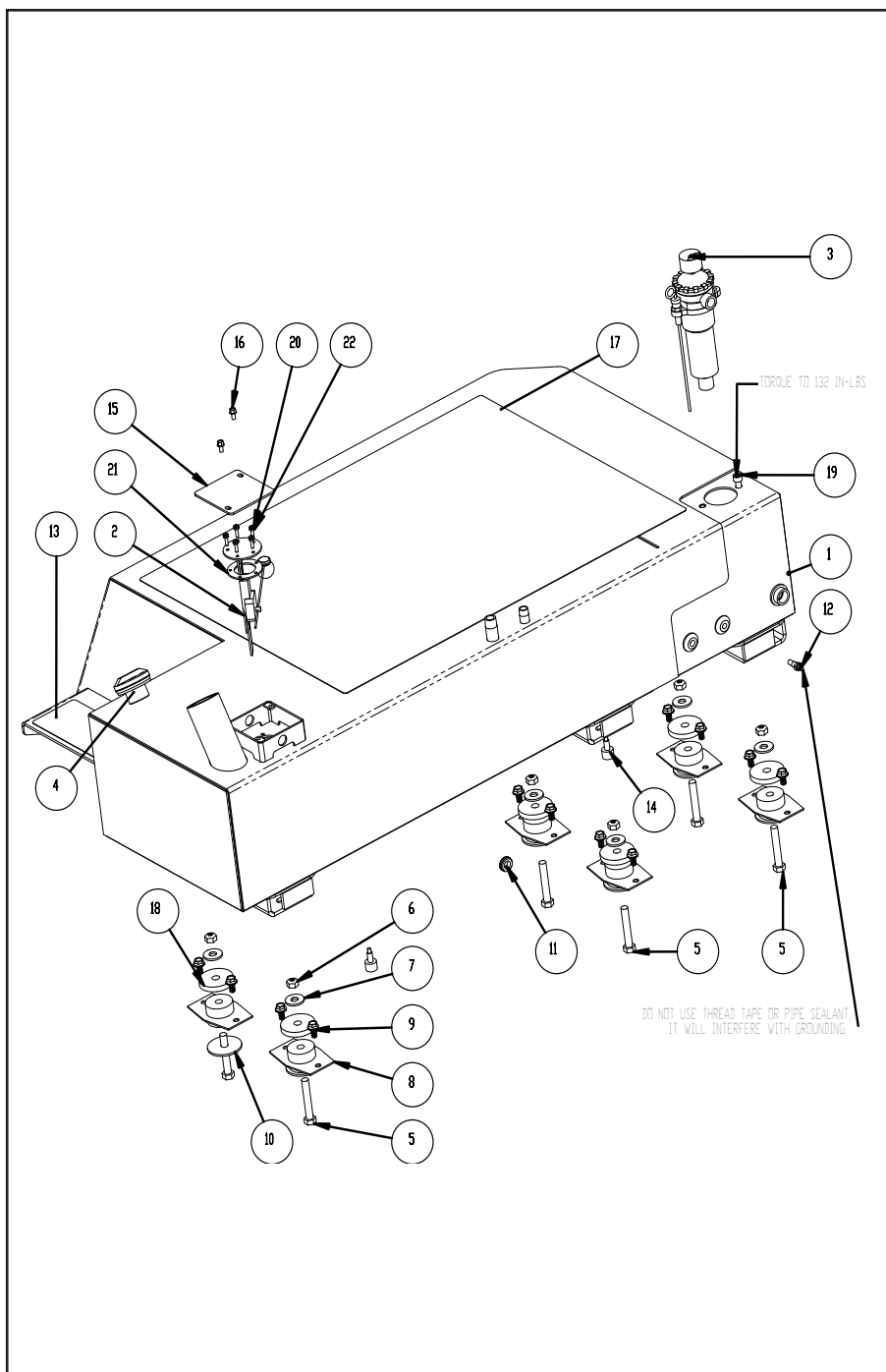
MAIN FRAME ASSEMBLY



MAIN FRAME ASSEMBLY

ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
1	14037	FRAME WELD	1	13926
2	15200	TONGUE WELDMENT LONG	1	"
3	763306	BOLT HEX 1-8 X 5.5 GR8	2	"
4	750940	WASHER FLAT 1 SAE	4	"
5	724511	NUT LOCK 1"-8 PREV TORQ	2	"
6	7617	HOLDDOWN ANGLE, BAT	1	"
7	751019	BOLT WHIZ 3/8"-16 X 1-1/2"	2	"
8	760800	WASHER-BEVELED 3/8 PLATED	2	"
9	730051	CLAMP-VINYL COVERED 5/8"	2	"
10	750061	NUT-WHIZ 3/8-16 GR5	2	"
11	763637	AXLE-TORFLEX #12	1	"
12	764137	WHEEL AND TIRE, 265/75 R 16	2	"
13	763578	EYE-LUNETTE	1	"
14	763434	WASHER FLAT 5/8" HARDEN	8	"
15	726702	WASHER LOCK 5/8	4	"
16	724701	NUT HEX 5/8-11 GR8	4	"
17	722708	BOLT HEX 5/8-11 X 2-3/4 GR8	4	"
18	736105	BATTERY-65-72 72D/72/42	1	"
19	765069	SIDE WIND JACK	1	"
20	730036-132	CHAIN 3/8 HI TEST x 132"	1	"
21	761288	HOOK-SLIP W/LATCH 3/8"	2	"
22	4900-26	WASHER, FLAT	2	"
23	15245	ENG ADJUSTER ROD WELD	2	"
24	760095-3	TRIM-EDGE .250 - .500 X 10" EA	1	"
25	1950	JUNCTION BOX INNER WELD	1	"
26	step-davey	TITLE	1	"

TANK ASSEMBLY

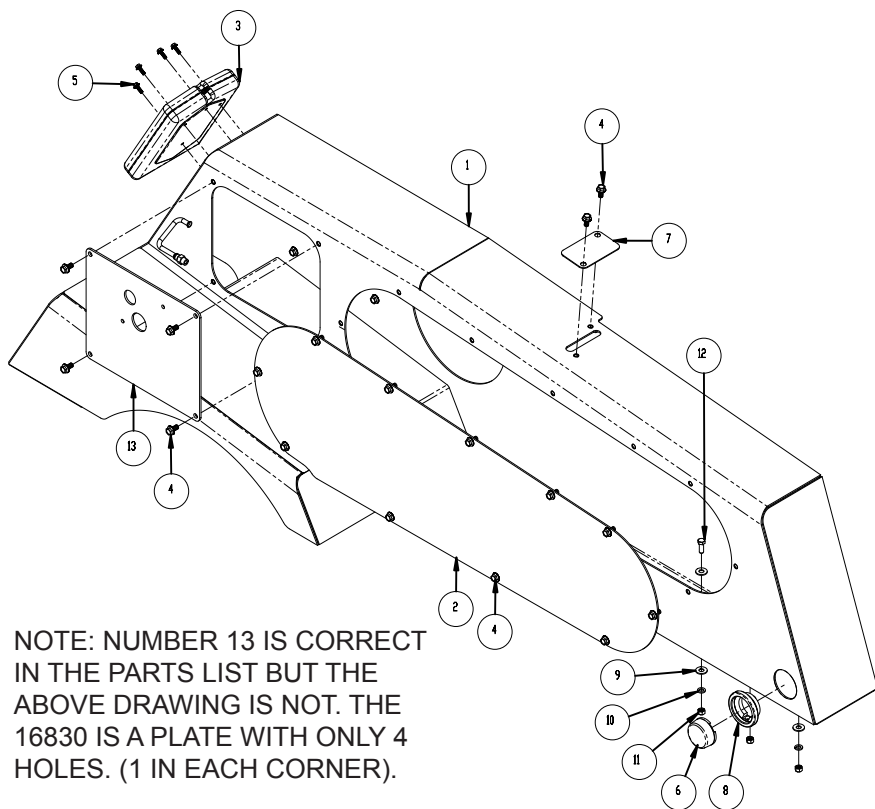


TANK ASSEMBLY

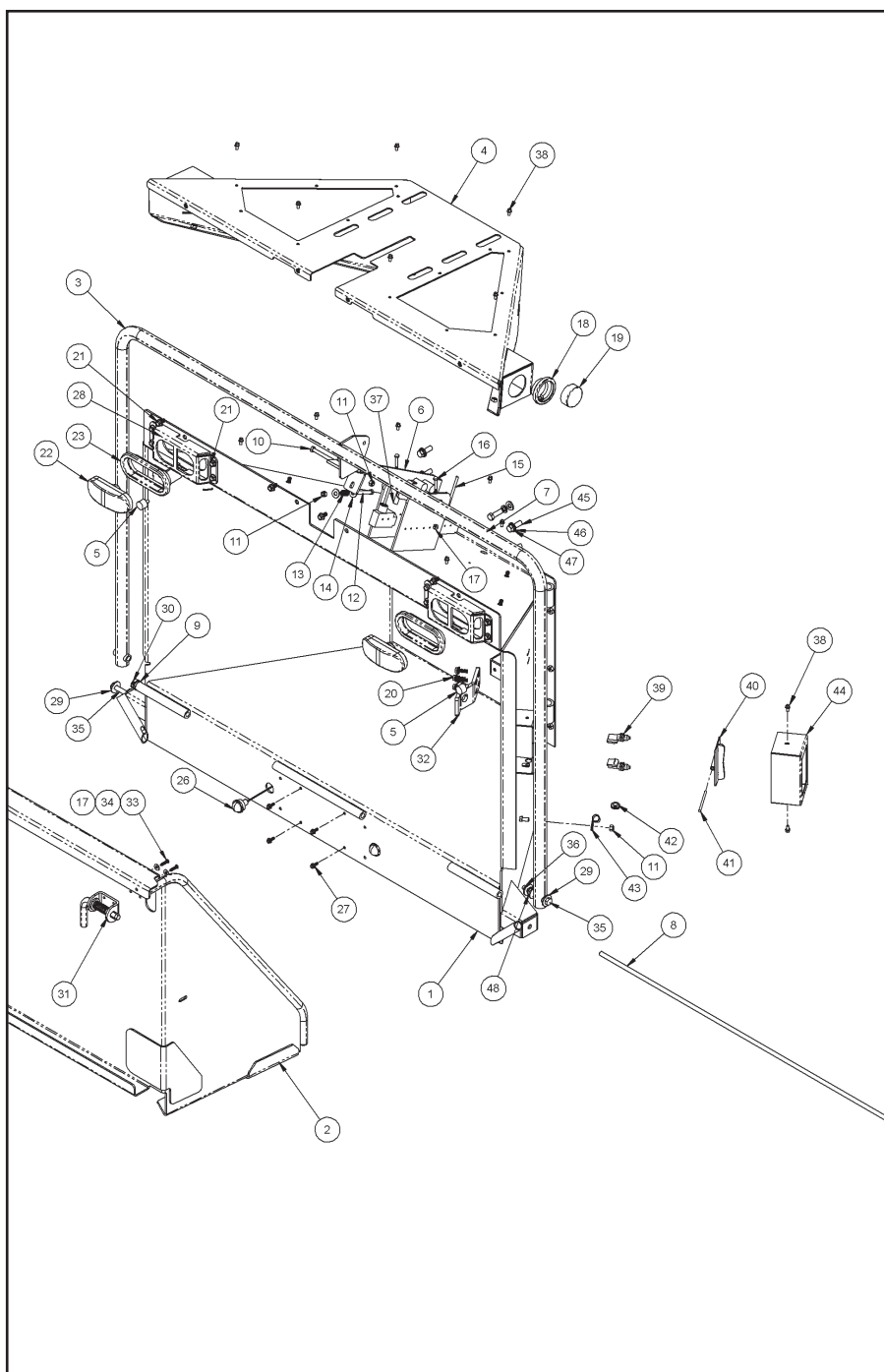
ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
1	15969	FENDER, WELD - LH	1	15968
2	750821	SENDER-FUEL GAUGE 6"-23"	1	"
3	763872	FILTER-HYD. (NO BREATHER)	1	"
4	760780	CAP - FUEL	1	"
5	722509	BOLT HEX 1/2-13 X 3 GR8	6	"
6	724503	NUT LOCK 1/2-13	6	"
7	726501	WASHER FLAT 1/2	6	"
8	763297	ISOLATOR, TANK	6	"
9	722114	WHIZ BOLT 3/8-16 X 3/4	12	"
10	4900-30	WASHER-10 GA X .531 X 2.5	6	"
11	730100	GROMMET-RUBBER 9/16" ID	1	"
12	750819	SENDER - HYD OIL TEMP.	1	"
13	15511-01	TREAD MATERIAL 7 X 24-1/2	1	"
14	763538	PLUG,DRAIN,MAG 1/2 NPT	2	"
15	15996	COVER, FUEL SENDING UNIT	1	"
16	750765	BOLT WHIZ 1/4-20X1/2 GR5	2	"
17	15511-06	TREAD MATERIAL 7 X 24-1/2	1	"
18	2279	CUTTER WHEEL WASHER	6	"
19	722836	BOLT MSHCS 10 X1.5 X 20	1	"
20	764408	SCREW-#10-32 X 3/4" SLOTTED PAN HEAD	5	"
21	764400	GASKET-FUEL SENDER	1	"
22	760578	WASHER-SEALING #10	5	"
23	fuel-weight	TITLE	1	"
24	oil-weight	TITLE	1	"

BELT GUARD ASSEMBLY

ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
1	14039	BELT GUARD WELD	1	14038
2	14043	BELT GUARD COVER	1	"
3	751021	MANUAL-CASE, SMALL	1	"
4	722114	WHIZ BOLT 3/8-16 X 3/4	21	"
5	722110	BOLT WHIZ 1/4-20X 3/4 GR8	4	"
6	763614	LAMP-LED MARKER YELLOW	1	"
7	15570	COVER PLATE, BG	1	"
8	763860	GROMMET-MARKER 2.5"	1	"
9	726301	WASHER FLAT 3/8 USS	6	"
10	726302	WASHER-LOCK 3/8	3	"
11	724301	NUT HEX 3/8-16 GR8	3	"
12	722303	BOLT-HEX 3/8-16 X 1	3	"
13	16830	COVER	1	"



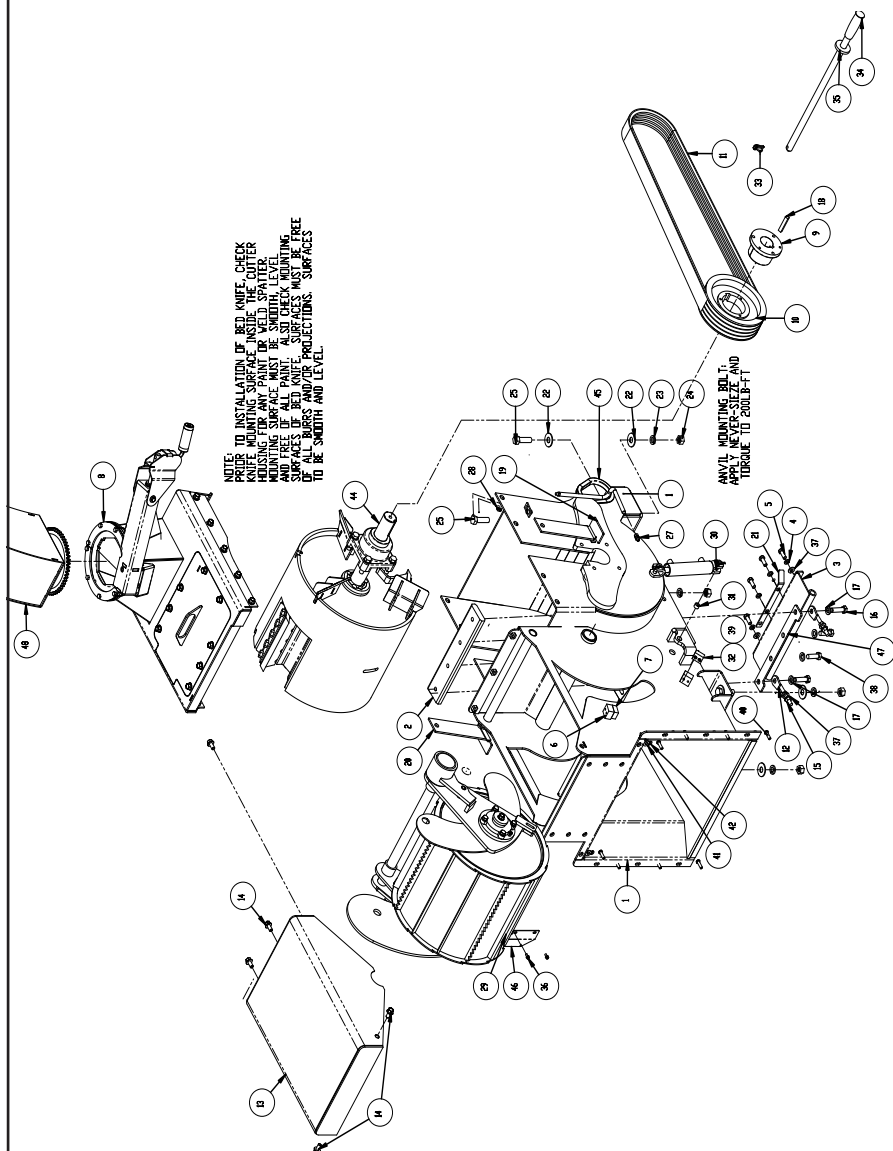
FEED CHUTE ASSEMBLY



FEED CHUTE ASSEMBLY

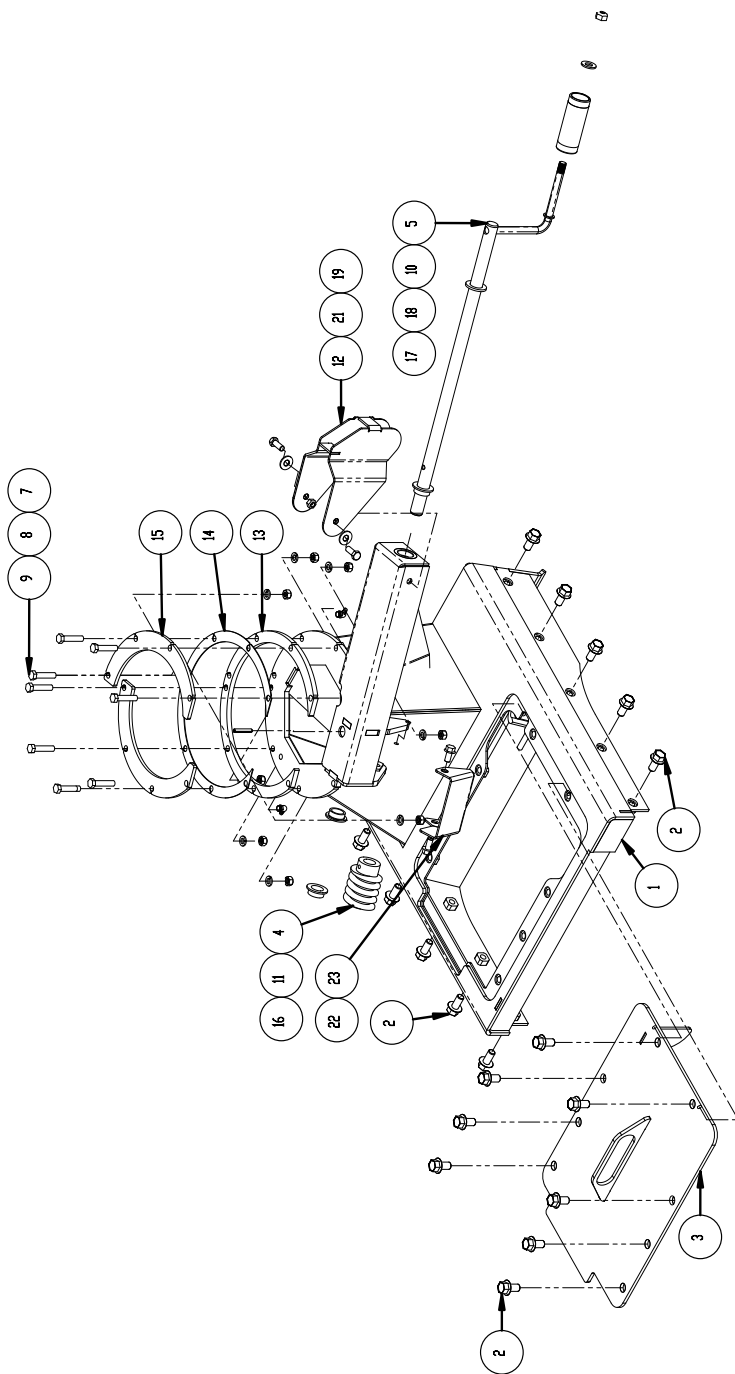
ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
1	13933	FEED TABLE WELDMENT	1	13925
2	13948	TABLE, FEED - WELDMENT	1	"
3	15278	FEED CONTROL BAR WELD.	1	"
4	13929	COVER, TOP - WELD FDCH	1	"
5	763257	BUMPER, FEED TABLE	2	"
6	13853	LATCH - FEED CONTROL WELD.	1	"
7	13856	ROD - LATCH UHMW	1	"
8	15280	ROD, HINGE	1	"
9	4900-37	WASHER 7GA. X .531 X 1.125	2	"
10	761531	BOLT HEX 3/8-16 X 4 GR8	1	"
11	760261	NUT - LOCK 3/8-16 NYLON	3	"
12	750917	BOLT - HEX 3/8-16 X 2-1/2	1	"
13	763065	SPRING - COMP 0.75 X .105 X 1"	1	"
14	726301	WASHER FLAT 3/8 USS	2	"
15	763231	SWITCH - FEED	2	"
16	750955	BOLT HEX 1/4-20 X 2 GR8	2	"
17	724508	NUT LOCK 1/4-20 NYLOCK	6	"
18	1860	HARNESS - PLUG TAIL & MARKER	2	"
19	763613	LIGHT - MARKER/RED LED	2	"
20	750399	BOLT - WHIZ 3/8-16 X 1"	4	"
21	722114	WHIZ BOLT 3/8-16 X 3/4	16	"
22	763612	LAMP - STOP TURN TAIL LED	2	"
23	763259	GROMMET - TAIL LIGHT	2	"
24	750414	BOLT WHIZ 1/2-13 X 1" GR5	6	"
25	750057	NUT - WHIZ 1/2-13 Z	6	"
26	3128	HARNESS - LAMP LIC PLATE	2	"
27	722110	BOLT WHIZ 1/4-20 X 3/4 GR8	4	"
28	14847	GUARD, LIGHT	2	"
29	726501	WASHER FLAT 1/2	6	"
30	763670	COLLAR - CLAMP 3/4	2	"
31	765066	LATCH, FEED CHUTE	1	"
32	15196	PLATE, LATCH FEED CHUTE	1	"
33	765067	1/4-20 X 1 BHCS	4	"
34	726101	WASHER FLAT 1/4 USS	4	"
35	722511	BOLT HEX 1/2-13 X 3-3/4 GR8	2	"
36	724503	NUT LOCK 1/2-13	2	"
37	15220-01	FUEL LINE - 1/4"	2	"
38	750765	BOLT WHIZ 1/4-20 X 1/2 GR5	16	"
39	736046	SWITCH - MOMENTARY	2	"
40	15457	SWITCH PLATE WELDMENT	1	"
41	2422-09	ROD, PIVOT SW	1	"
42	730100	GROMMET - RUBBER 9/16" ID	1	"
43	730051	CLAMP - VINYL COVERED 5/8"	1	"
44	16039	SWITCH COVER WELDMENT	1	"
45	722504	BOLT HEX 1/2-13 X 1-1/2	6	"
46	763437	WASHER FLAT 1/2" HARDEN	6	"
47	726502	WASHER LOCK 1/2	8	"
48	724501	NUT HEX 1/2-13 GR8	2	"

CUTTER HOUSING ASSEMBLY



CUTTER HOUSING ASSEMBLY				
ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
1	14174	HOUSING, CUTTER WELD RC12	1	14219
2	763186	KNIFE-BED 17.125 X 3.5 X 1	1	"
3	14195	ACCESS DOOR WELD	1	"
4	726502	WASHER LOCK 1/2	4	"
5	722503	BOLT HEX 1/2-13 x 1 1/4	4	"
6	14234	PIN, DOOR, CUTTER HOUSING	1	"
7	728004	PIN-COTTER 3/16 X 1-1/2	2	"
8	19345	TRANSITION CHUTE ASSY.	1	"
9	716602	BUSHING-R1 X 2 3/16	1	"
10	763752	SHEAVE-4R5V85	1	"
11	763686	BELT-4GB5VX1000	1	"
12	14236	EYE-BOLT WELDMENT	2	"
13	16009	TOP, WELDMENT, FEED WHEEL HSG	1	"
14	750414	BOLT WHIZ 1/2 -13 X 1" GR5	5	"
15	750063	NUT HEX 1/2-20 GR8 PLT.	4	"
16	761396	BOLT-MHCS 16 X 2.0 X 60	2	"
17	763254	WASHER NDLK 30.7 X 17X3.4	4	"
18	2582-08	1/2 KEY x 2-3/4"	1	"
19	14214	SIDE FILLER, RH	1	"
20	14215	FILLER SIDE, LH	1	"
21	14238	GAGE, BED-KNIFE	1	"
22	726801	WASHER FLAT 3/4 USS	8	"
23	726802	WASHER LOCK 3/4	4	"
24	724801	NUT HEX 3/4-10 GR8	4	"
25	960304	BOLT HEX 3/4-10X2-1/2GR8	4	"
26	760017	HOSE-LUBRICATION 15"	1	"
27	738985	FIT- -2MP -2FPX	1	"
28	730010	ZERK-GREASE 1/8"NPT 45DEG	1	"
29	18904	FEED WHEEL ASSY - COMER	1	"
30	763871	CYLINDER-1.5B X .75R X 6S	1	"
31	763932	BEARING, 3/4 X 1/2 X 1/2	2	"
32	15990	STOP BLOCK	4	"
33	728016	PIN-LYNCH 5/16 X 1-3/4	1	"
34	761515	GRIP-HANDLE 1" MWB	1	"
35	16360	BAR-LOCK FW WELD	1	"
36	750765	BOLT WHIZ 1/4-20X1/2 GR5	4	"
37	763437	WASHER FLAT 1/2" HARDEN	6	"
38	750979	BOLT - HEX M16 X 2 X 50	2	"
39	763933	BOLT SHCS 5/16-18 X 3/4 HS PLT	8	"
40	722304	BOLT-HEX 3/8-16 X 1 1/4	8	"
41	726301	WASHER FLAT 3/8 USS	8	"
42	726302	WASHER-LOCK 3/8	8	"
43	17652	DRUM, CUTTER ASSY.	1	"
44	760095-7	TRIM-EDGE x 16" LONG	2	"
45	15149W	COVER, BEARING WLD.	1	"
46	19910	BOLT STRAP - BED KNIFE	1	"
47	20010	DISCHARGE CHUTE ASSEMBLY	1	"

TRANSITION CHUTE ASSEMBLY

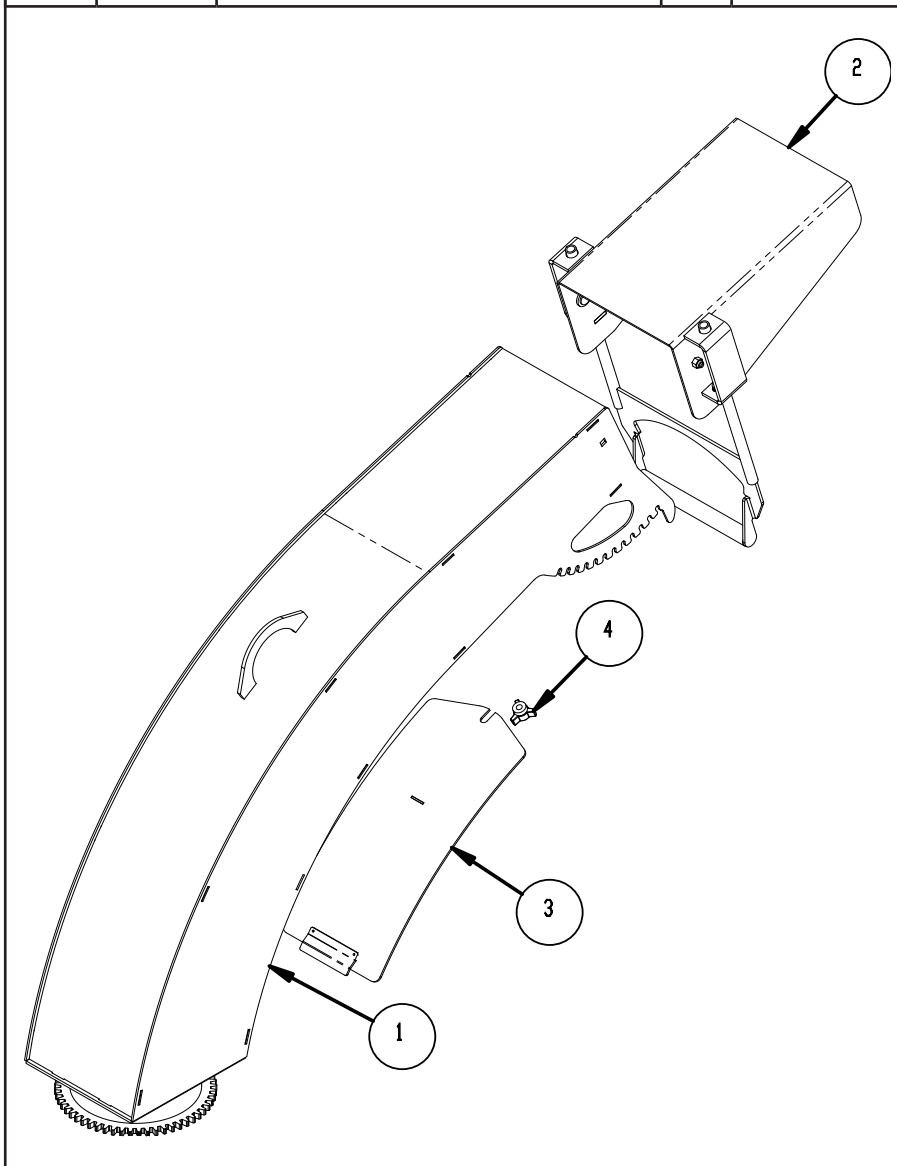


TRANSITION CHUTE ASSEMBLY

ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
1	19340	DRUM, TRANS. WELD RC12	1	19345
2	750414	BOLT WHIZ 1/2 -13 X 1" GR5	18	"
3	19343	DOOR, TRANS. WELD. RC12	1	"
4	13943	GEAR, WORM, MODIFIED	1	"
5	13935	CRANK, WELDMENT	1	"
6	729999	ZERK-GREASE 1/8"NPT 90DEG	2	"
7	724301	NUT HEX 3/8-16 GR8	8	"
8	726302	WASHER-LOCK 3/8	8	"
9	722306	BOLT HEX 3/8-16X1-3/4GR8	8	"
10	15549	HANDLE, KNURLED	1	"
11	15598	BUSHING, CRANK	3	"
12	17335	LOCK WELD,CRANK	1	"
13	17725	3/8 SPACER-1 PC.	1	"
14	17726	18 GAGE SPACER	2	"
15	15908	RETAINER RING HALF	2	"
16	770010	PIN-ROLL 1/4 X 1 1/2	1	"
17	724503	NUT LOCK 1/2-13	1	"
18	763449	WASHER FLAT 1/2 SAE	1	"
19	726301	WASHER FLAT 3/8 USS	2	"
20	724300	NUT-LOCK 3/8-16	2	"
21	722303	BOLT-HEX 3/8-16 X 1	2	"
22	722114	WHIZ BOLT 3/8-16 X 3/4	2	"
23	18170	WORM GEAR COVER	1	"

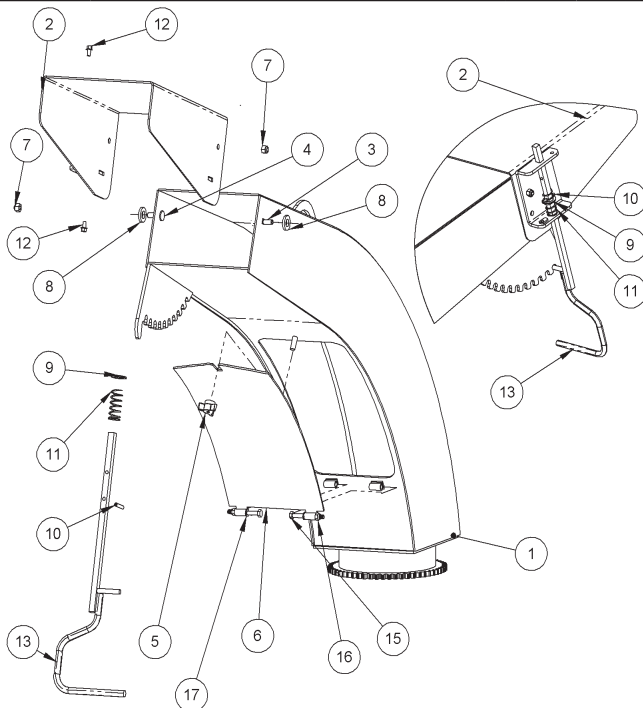
DISCHARGE CHUTE ASSEMBLY (Serial #: 8W210066-Current)

ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
1	19969	CHUTE, WELDMENT	1	20010
2	20007	DEFLECTOR ASSEMBLY	1	"
3	20956	DOOR CLEANOUT WELD	1	"
4	761675	KNOB-PLASTIC, BLACK C85L	1	"

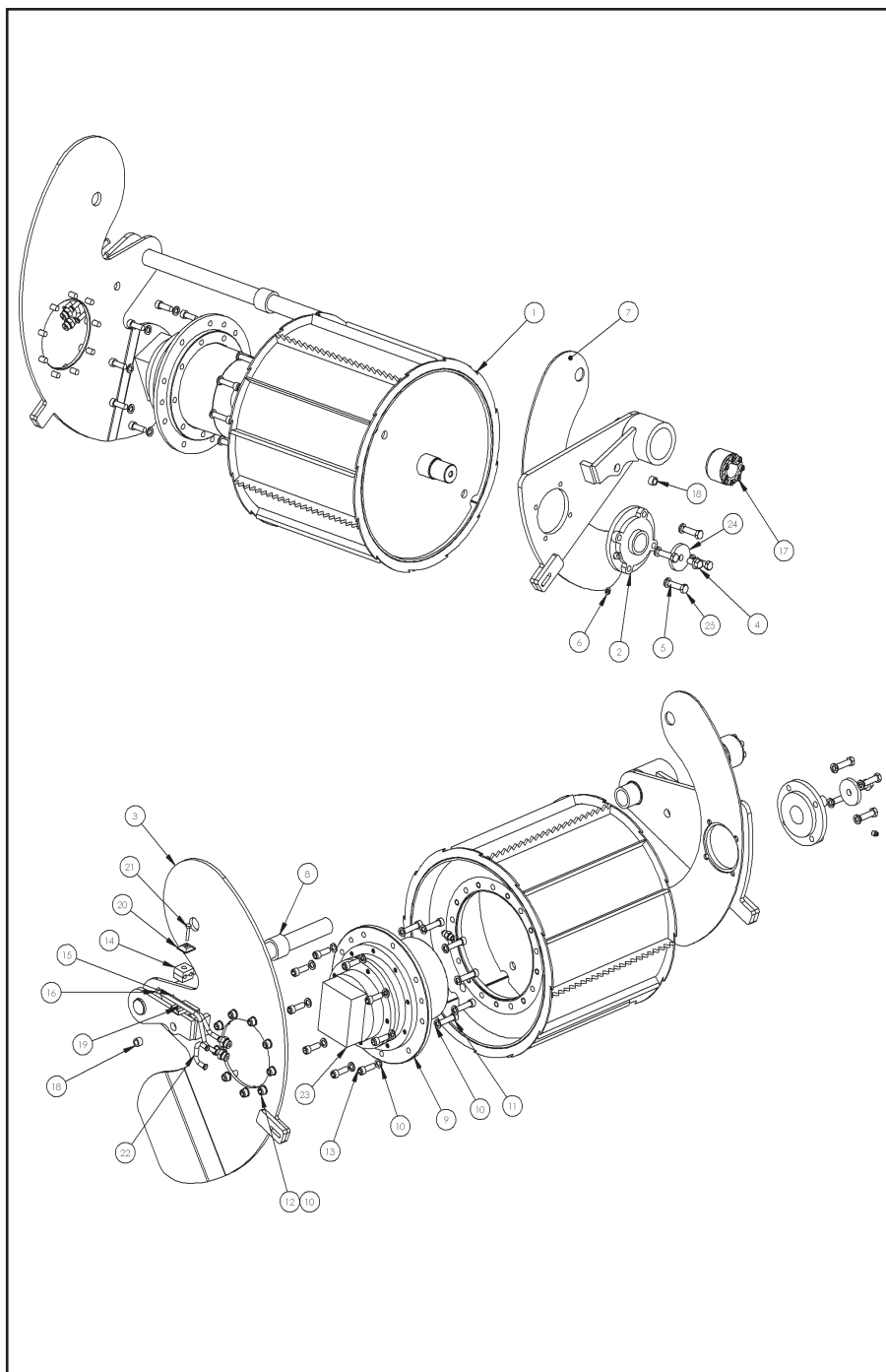


DISCHARGE CHUTE ASSEMBLY (Serial #: NW210000-8W210065)

ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
1	13889	CHUTE, WELDMENT	1	13875
2	15558	DEFLECTOR WELDMENT	1	"
3	722331	BOLT CARRIAGE 3/8-16 X 1	1	"
4	722332	BOLT CARRIAGE 3/8-16 X 1-1/4	1	"
5	761675	KNOB - PLASTIC, BLACK	1	"
6	13894	CHUTE DOOR WELDMENT	1	"
7	760261	NUT - LOCK 3/8-16 NYLON	2	"
8	4900-32	WASHER	2	"
9	726803	WASHER, FLAT 3/4-14GA	1	"
10	770010	PIN - ROLL 1/4 X 1-1/2	1	"
11	765070	SPRING - COMPRESSION	1	"
12	750765	BOLT WHIZ 1/4-20 X 1/2 GR5	2	"
13	15586	HANDLE WELDMENT	1	"
14	15556	COVER, DEF. SPRING	1	"
15	722204	BOLT HEX 5/16-18 X 2-3/4 GR8	2	"
16	750050	NUT LOCK 5/16-18 NYLON	2	"



FEED WHEEL ASSEMBLY

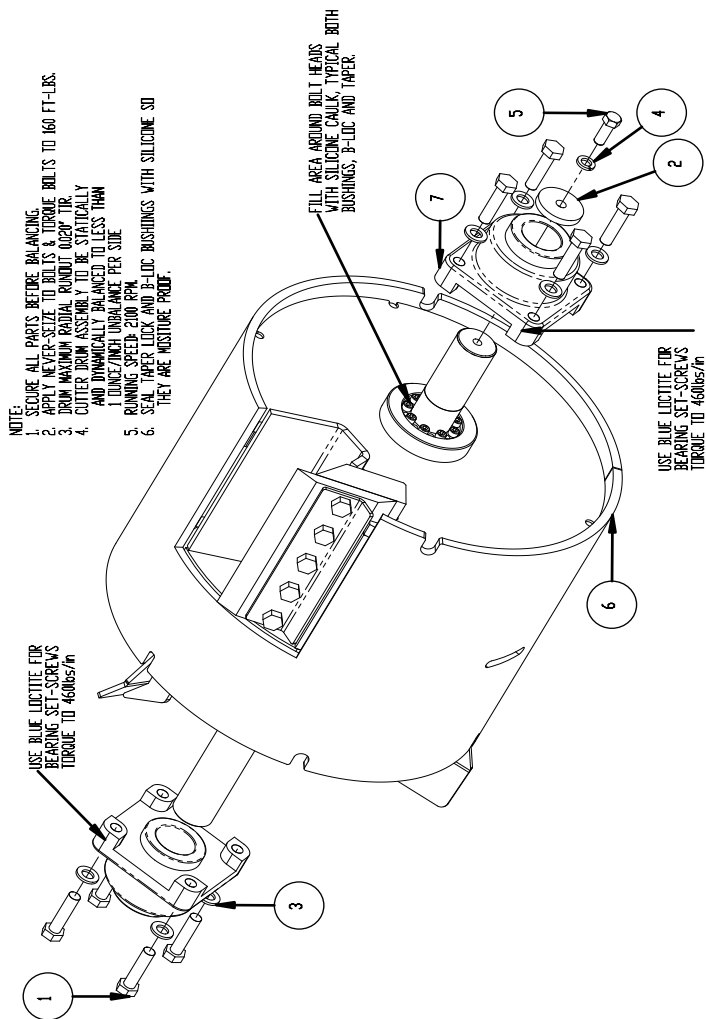


FEED WHEEL ASSEMBLY

ITEM#	PART#	DESCRIPTION	QTY	INCLUDED IN
1	16001	FEED WHEEL, WELDMENT	1	15989
2	763919	BEARING, FLANGE 1.75	1	"
3	15991	FEED ARM, LH, WELD	1	"
4	750414	BOLT WHIZ 1/2 - 13 X 1" GR5	1	"
5	726502	WASHER LOCK 1/2	4	"
6	730080	GREASE ZERK 1/8 PTF STR	1	"
7	15982	FEED ARM, RH, WELD	1	"
8	760873	BEARING - GARMAX 2 X 1.5	2	"
9	16004	PLATE, FEED WHEEL MOTOR-COMER	1	"
10	726953	WASHER METRIC LOCK M12	27	"
11	763925	BOLT MSHCS 12 X 1.75 X 50	9	"
12	763924	BOLT MSHCS 12 X 1.75 X 30	9	"
13	763929	BOLT MSHCS 12 X 1.75 X 35	9	"
14	762349	CLAMP - TUBE 3/8 ID	1	"
15	16020	TUBE - UPPER MOTOR	1	"
16	16021	TUBE - LOWER MOTOR	1	"
17	762332	BUSHING KEYLESS - 1.50" ID	1	"
18	763932	BEARING, 3/4 X 1/2X 1/2	2	"
19	762355	RAIL NUT, 1/4 - 20	1	"
20	762357	COVER PLATE	1	"
21	762362	BOLT HEX 1/4- 20 X 1 3/8	1	"
22	16250	TUBE - 2 SPEED DRAIN	1	"
23	762983	DRIVE - FINAL 28:1 2-SP R50	1	"
24	2279	CUTTER WHEEL WASHER	1	"
25	722505	BOLT HEX 1/2 - 13 X 1 3/4	4	"
26	17989	FEED WHEEL	1	"

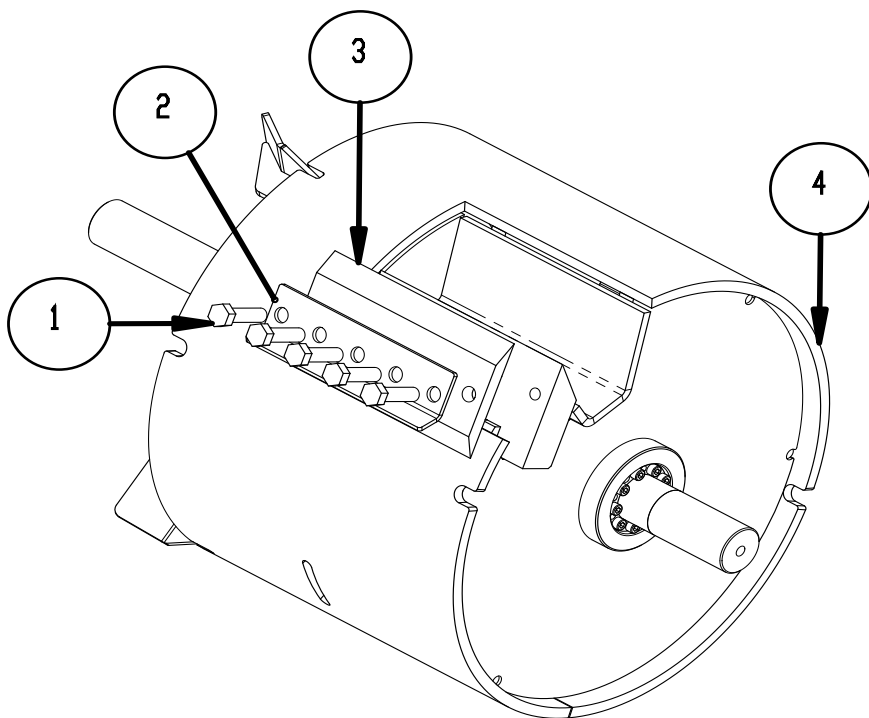
CUTTER DRUM ASSEMBLY

ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
1	722600	BOLT HEX 5/8-11X2-1/2GR8	8	17652
2	2279	CUTTER WHEEL WASHER	1	"
3	763254	WASHER NDLK 30.7 X 17X3.4	8	"
4	726602	WASHER LOCK 9/16	1	"
5	722603	BOLT HEX 9/16 - 12 X 1 1/2 LG.	1	"
6	17379	CUTTER DRUM, BALANCED	1	"
7	763315	BEARING-FLANGE 2 3/16	2	"



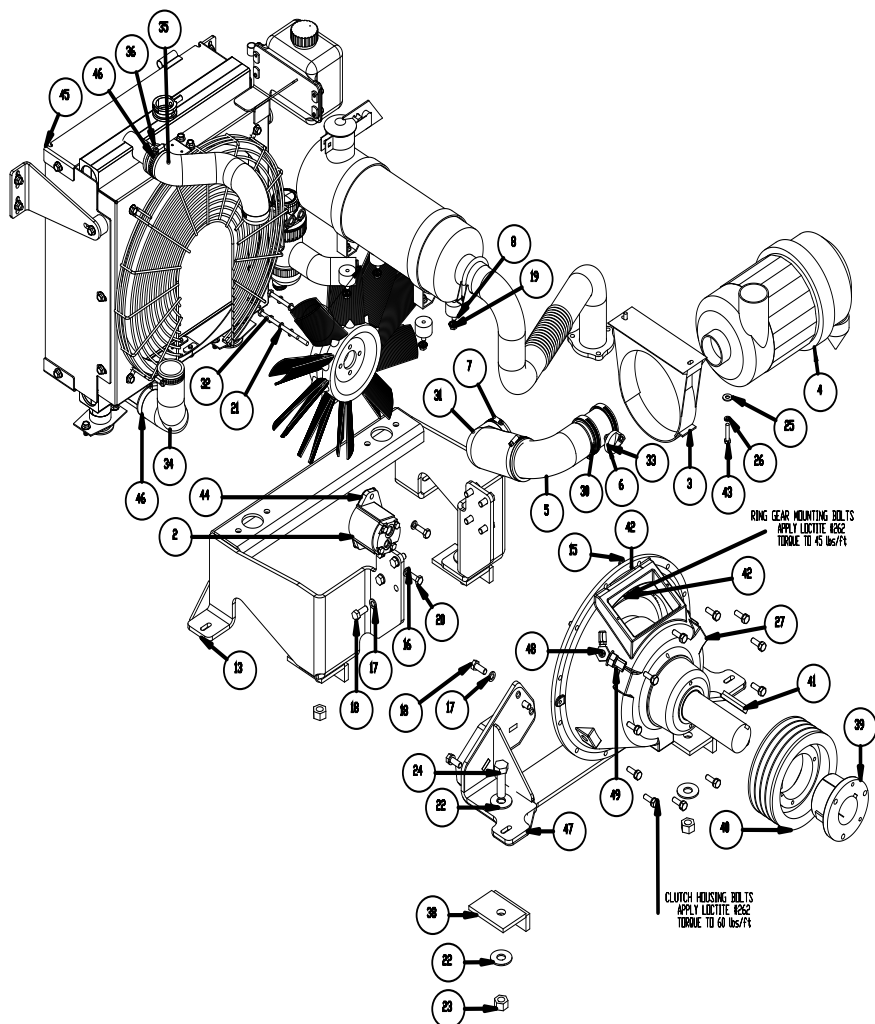
CUTTER KNIFE ASSEMBLY

ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
1	700000	BOLT HEX 5/8-11 X 2 1/4 GR9	10	17379
2	17682	PLATE, KNIFE HOLDER	2	"
3	763185	KNIFE-10 X 5.5 X 5/8 DE	2	"
4	17351	DRUM WELD, CUTTER RC12	1	"

**NOTE:**

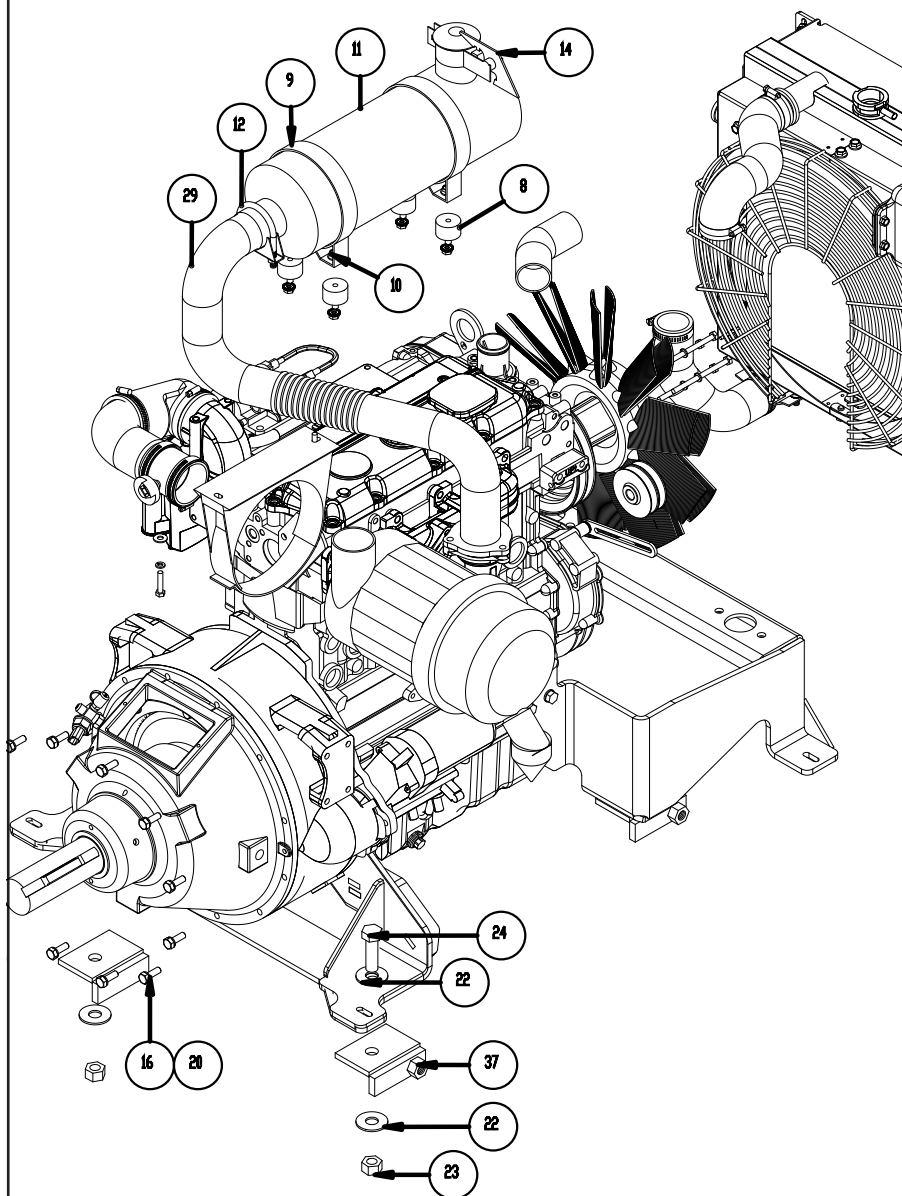
1. SECURE ALL PARTS BEFORE BALANCING.
2. APPLY NEVER-SEIZE TO BOLTS & TORQUE BOLTS TO 210 FT-LBS.
3. DRUM MAXIMUM RADIAL RUNOUT 0.020" TIR.
4. CUTTER DRUM ASSEMBLY TO BE STATICALLY AND DYNAMICALLY BALANCED TO LESS THAN 1 OUNCE/INCH UNBALANCE PER SIDE
5. RUNNING SPEED: 1960 RPM.

ENGINE ASSEMBLY



ENGINE ASSEMBLY				
ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
1	762521	FAN-18" 40DEG PUSHER C85	1	16303
2	764076	PUMP-HYD RC12 CAT	1	"
3	738015	AIR CLEANER MTG. BRK	1	"
4	760933	AIR CLEANER R80	1	"
5	16320	PIPE-INTAKE CAT 3054NA	1	"
6	750363	INDICATOR-SERVICE 60 MB	1	"
7	750408	CLAMP-HOSE 2-13/16"-3-3/4	2	"
8	730084	BUFFER-COOLER	4	"
9	763305	MOUNT BAND-MUFFLER	2	"
10	750769	BOLT WHIZ 3/8 - 16 X 1/2	4	"
11	763304	MUFFLER-ENGINE	1	"
12	736101	CLAMP-MUFFLER 2-1/2"	1	"
13	16299	MOUNT, ENG FRT WELD	1	"
14	750375	RAIN CAP - 2 1/2"	1	"
15	726302	WASHER-LOCK 3/8	8	"
16	726954	WASHER METRIC LOCK M10	14	"
17	726953	WASHER METRIC LOCK M12	14	"
18	722843	BOLT - HEX M12 X 1.75 X 30	13	"
19	750061	NUT-WHIZ 3/8-16 GR5	4	"
20	722838	BOLT METRIC 10 X 1.5 X 30	14	"
21	750389	WASHER METRIC LOCK 8MM PL	4	"
22	726801	WASHER FLAT 3/4 USS	8	"
23	724800	NUT LOCK 3/4-10 STOVER	4	"
24	960304	BOLT HEX 3/4-10X2-1/2GR8	4	"
25	726201	WASHER - FLAT 5/16	2	"
26	726202	WASHER LOCK 5/16" PLATED	2	"
27	763452	CLUTCH-LC 211	1	"
28	764018	ENGINE-86 HP CAT 3054C	1	"
29	16318	EXHAUST PIPE WELDMENT	1	"
30	764085	CONNECTOR-RUBBER 70MM	1	"
31	764084	ELBOW-RUBBER 3" COBRA	1	"
32	760769	BOLT METRIC 8 X 1.25X120	4	"
33	750118	CLAMP-HOSE 2-5/16"-3-1/4"	2	"
34	763874	HOSE RADIATOR	1	"
35	763875	HOSE-RADIATOR	1	"

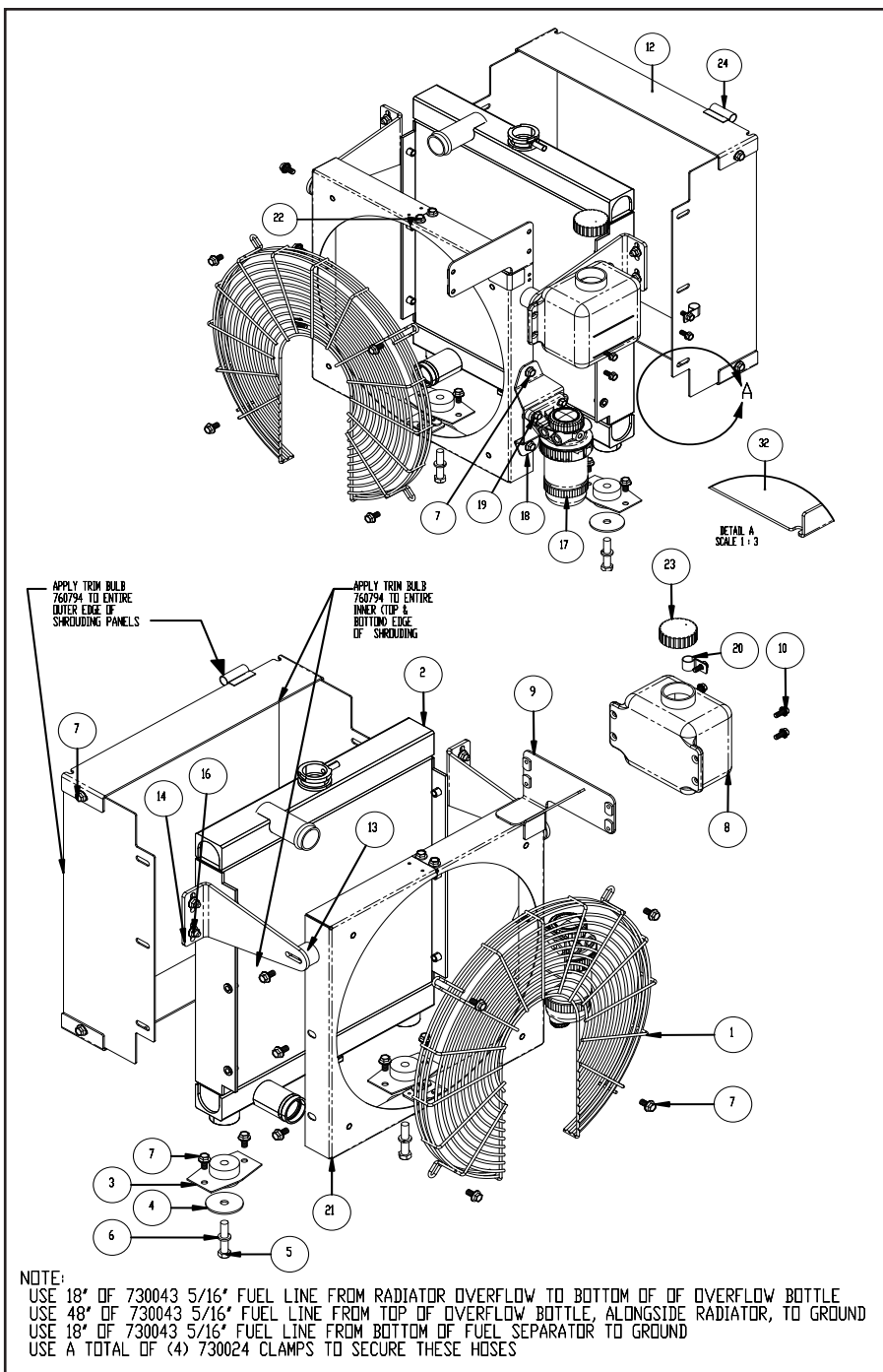
ENGINE ASSEMBLY (CONTINUED)



ENGINE ASSEMBLY (CONTINUED)

36	760934	ADAPTOR-AIRCLEANER	1	"
37	14547	ENG SLIDE WELD	2	"
38	15243	ENG ADJUSTER WELD REAR	2	"
39	763566	BUSHING-R1 X 2 1/2	1	"
40	763751	SHEAVE-4R5V85	1	"
41	15368	KEY, STEP	1	"
42	764125	BOLT-HEX 3/8-24 X 2 1/2	8	"
43	760269	BOLT HEX 5/16-18 X 1-1/2	2	"
44	7921	GASKET-PUMP SAE A PAD	1	"
45	14092	RADIATOR ASSY	1	"
46	1200055	CLAMP-HOSE 1-9/16" X 2-1/2"	4	"
47	17378	MOUNT-MOTOR REAR WELD	1	"
48	17960	TEE - MINICHECK MODIFIED	1	"
49	764197	TRANSDUCER, PRESS 35 BAR	1	"
50	16301	ENG MNT REAR RH WELD	1	"
51	16302	ENG MNT REAR LH WELD	1	"
52	CAT- UPPER- RAD-45	TITLE	1	"
53	761525	FAN-18" 40DEG PULLER R80	1	"

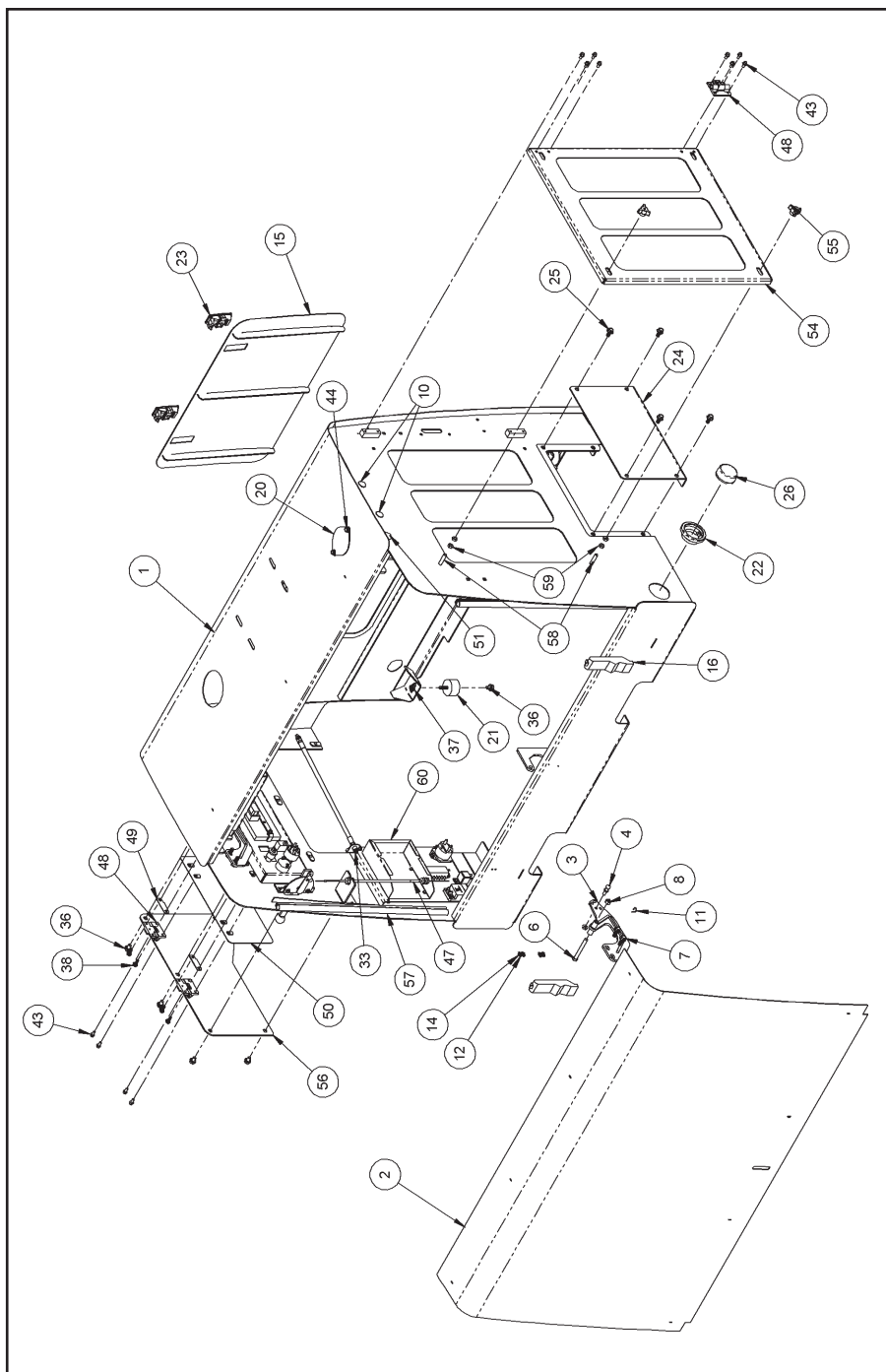
RADIATOR ASSEMBLY



RADIATOR ASSEMBLY

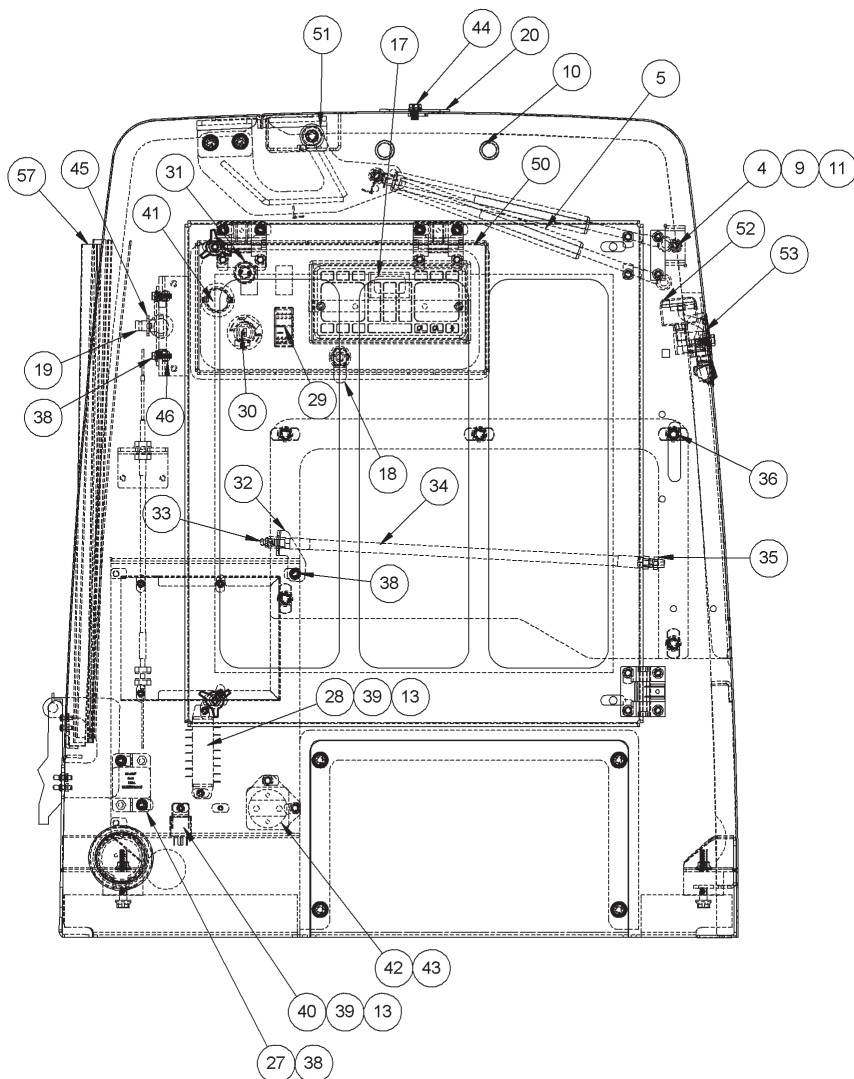
ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
1	10603	FAN GUARD, WIRE TYPE	1	14092
2	763307	RADIATOR RC12	1	"
3	763297	ISOLATOR, TANK	2	"
4	4900-30	WASHER-10 GA X .531 X 2.5	2	"
5	722508	BOLT HEX 1/2-13 x 2.5	2	"
6	726502	WASHER LOCK 1/2	2	"
7	722114	WHIZ BOLT 3/8-16 X 3/4	18	"
8	763308	OVERFLOW BOTTLE	1	"
9	14140	SHROUD WELDMENT	1	"
10	750762	BOLT WHIZ 5/16-18 X 3/4	4	"
11	14170	PANEL-SIDE, RAD WELD	2	"
12	14171	PANEL-TOP,RADIATOR	2	"
13	730084	BUFFER-COOLER	2	"
14	14254	BRACKET-RADIATOR	2	"
15	722331	BOLT CAR 3/8-16 X 1	4	"
16	750061	NUT-WHIZ 3/8-16 GR5	4	"
17	765049	FUEL FILTER	1	"
18	14272	FUEL FILTER MOUNT	1	"
19	750156	BOLT WHIZ 5/16"-18 X 1"	2	"
20	730051	CLAMP-VINYL COVERED 5/8"	1	"
21	15233	SHROUD WELDMENT LH	1	"
22	750769	BOLT WHIZ 3/8 - 16 X 1/2	4	"
23	763639	CAP-OVERFLOW VENTED	1	"
24	760794	TRIM-BULB 1/8 EDGE, 3/4 BULB	1	"

ENGINE ENCLOSURE



ENGINE ENCLOSURE				
ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
1	15247	ENCL-REAR, ENG WELDMENT	1	15246
2	15248	ENCL-DOOR, ENG WELDMENT	1	"
3	14082	HINGE WELDMENT	2	"
4	763294	STUD - BALL, GAS SPRING	4	"
5	763722	GAS SPRING 0736UM	2	"
6	761556	BOLT HEX 3/8-16 X 3-1/4 GR8	2	"
7	750399	BOLT - WHIZ 3/8-16 X 1"	4	"
8	760261	NUT - LOCK 3/8-16 NYLON	2	"
9	750764	NUT WHIZ 5/16"-18	4	"
10	762784	PLUG - HOLE BLACK 3/4" SJR	4	"
11	763295	CLIP - GAS SPRING 13MM	4	"
12	762771	SCREW - #10-24 X 1/2 PAN BL	8	"
13	726103	WASHER LOCK #10	15	"
14	724102	NUT HEX #10-24	8	"
15	14079	PANEL - ACCESS WELDMENT	1	"
16	761546	LATCH - DRAW, KIT	2	"
17	763296	PANEL - INSTRUMENT LCD	1	"
18	763609	LATCH - CAM LOCK	1	"
19	750315	SWIVEL KIT	1	"
20	15008	COVER, RADIATOR FILL	1	"
21	761451	BUFFER - 50X30 B 3/8X1.1	4	"
22	763860	GROMMET - MARKER LIGHT 2.5"	1	"
23	760103	LEVER LATCH W/LOCK	2	"
24	14539	BATTERY COVER	1	"
25	722114	WHIZ BOLT 3/8-16 X 3/4	4	"
26	763614	LAMP - LED MARKER YELLOW	1	"
27	762948	CIRCUIT BREAKER, 120 AMP	1	"
28	761647	FUSE - BLOCK, 8-GANG	1	"
29	760409	SWITCH - SPDT MOMENTARY	1	"
30	1200200	SWITCH - IGNITION DEERE	1	"
31	736035	SWITCH - MOMENTARY IGNITION	1	"
32	15272	GREASE PORT WELDMENT	1	"
33	730080	GREASE ZERK 1/8 PTF STR	1	"
34	730091	HOSE - LUBRICATION 18"	1	"
35	738985	FIT- -2MP -2FPX	1	"
36	750769	BOLT WHIZ 3/8-16 X 1/2	9	"
37	750061	NUT - WHIZ 3/8-16 GR5	4	"
38	722110	BOLT WHIZ 1/4-20 X 3/4 GR8	9	"
39	750456	SCREW - #10-24 X1/2 HH MACH	7	"
40	763406	RELAY - PREHEATER	1	"
41	763414	ALARM - SHUTDOWN	1	"
42	760086	RELAY - STARTER	1	"
43	750765	BOLT WHIZ 1/4-20 X 1/2 GR5	14	"
44	750400	BOLT WHIZ 5/16-18 X 1/2	3	"
45	750314	LEVER - CONTROL (STRAIGHT)	1	"
46	724508	NUT LOCK 1/4-20 NYLOCK	2	"
47	763776	CABLE - THROTTLE	1	"

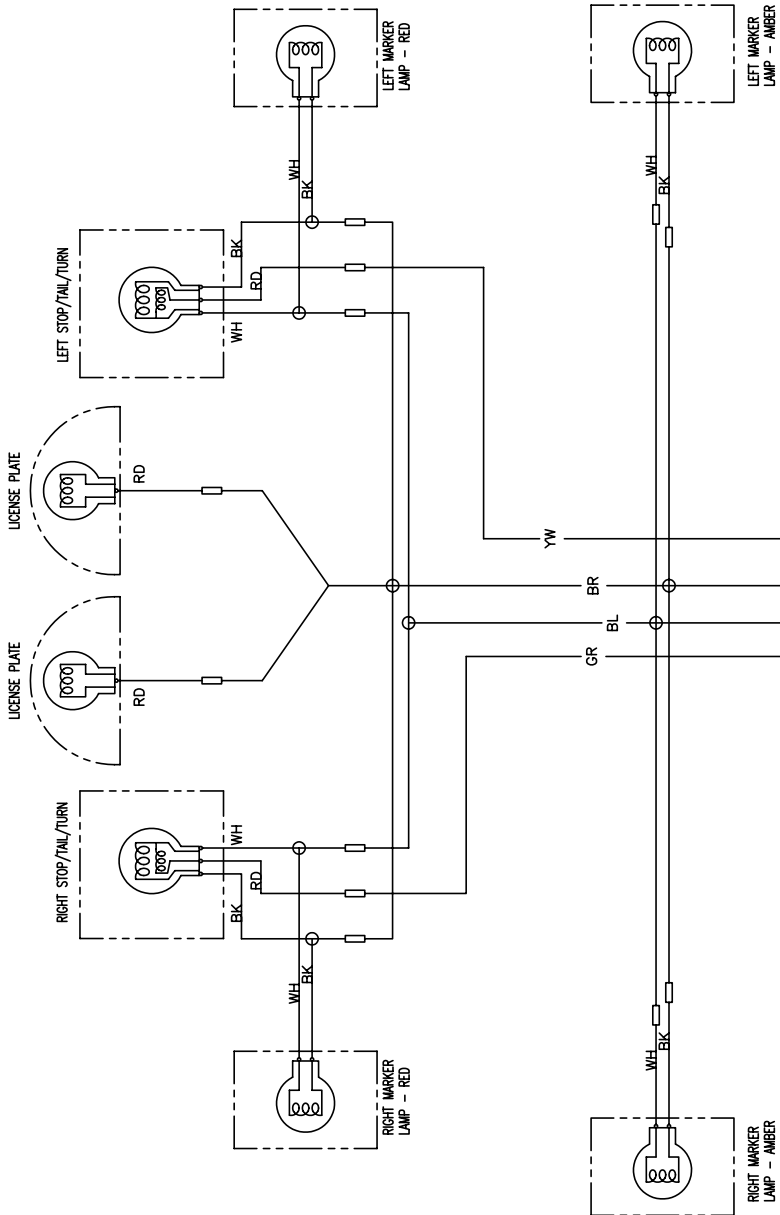
ENGINE ENCLOSURE (continued)



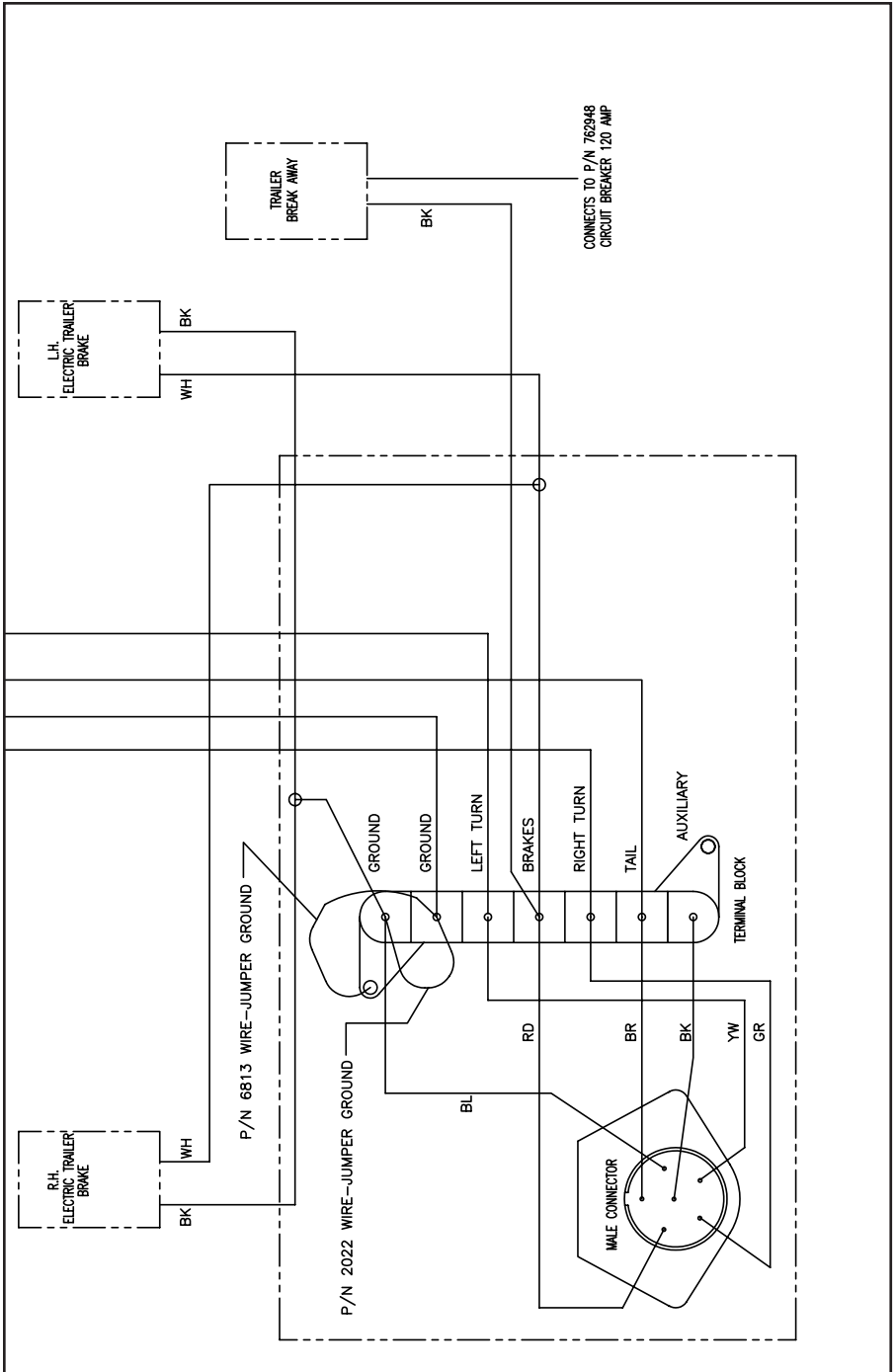
ENGINE ENCLOSURE (continued)

ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
48	763236	HINGE	3	15246
49	15557	SHIM, HINGE	2	"
50	15561	COVER WELD., INST. PANEL	1	"
51	763598	PLUG - HOLE 1" PLASTIC	2	"
52	760045	BREATHER	1	"
53	15812	BREATHER MOUNT WELDMENT	1	"
54	15837	SCREEN WELDMENT	1	"
55	761675	KNOB - PLASTIC, BLACK	2	"
56	15841	ACCESS PANEL, CLUTCH	1	"
57	761631	TRIM - BULB 1/8 EDGE, 3/4 BULB (NOT SHOWN)	20'	"
58	750994	BOLT - TAP 3/8-16 X 1-3/4	2	"
59	761283	NUT JAM 3/8-16 ZINC	4	"
60	18656W	COVER - LCM WELDMENT	1	"

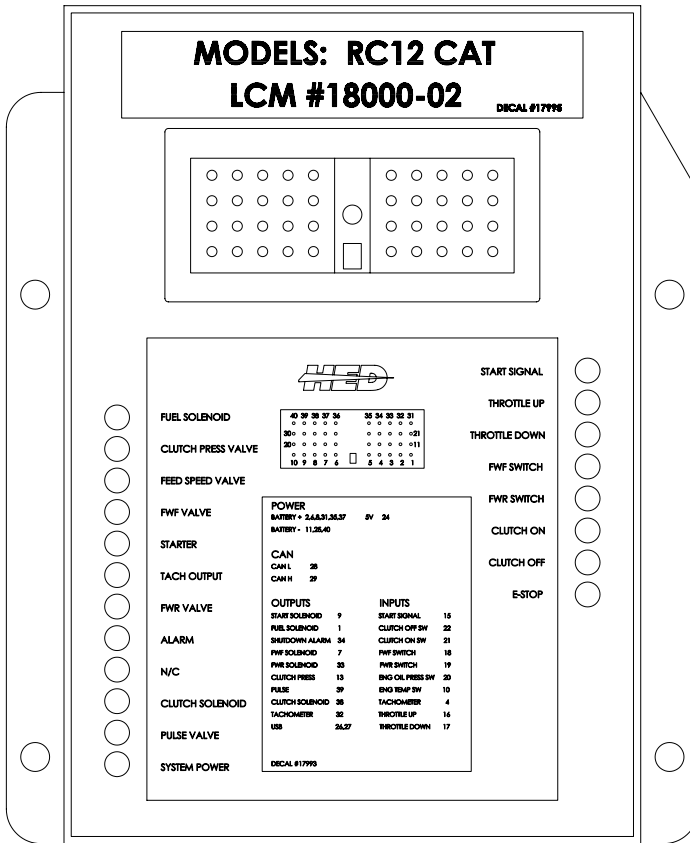
ELECTRICAL SCHEMATIC



ELECTRICAL SCHEMATIC



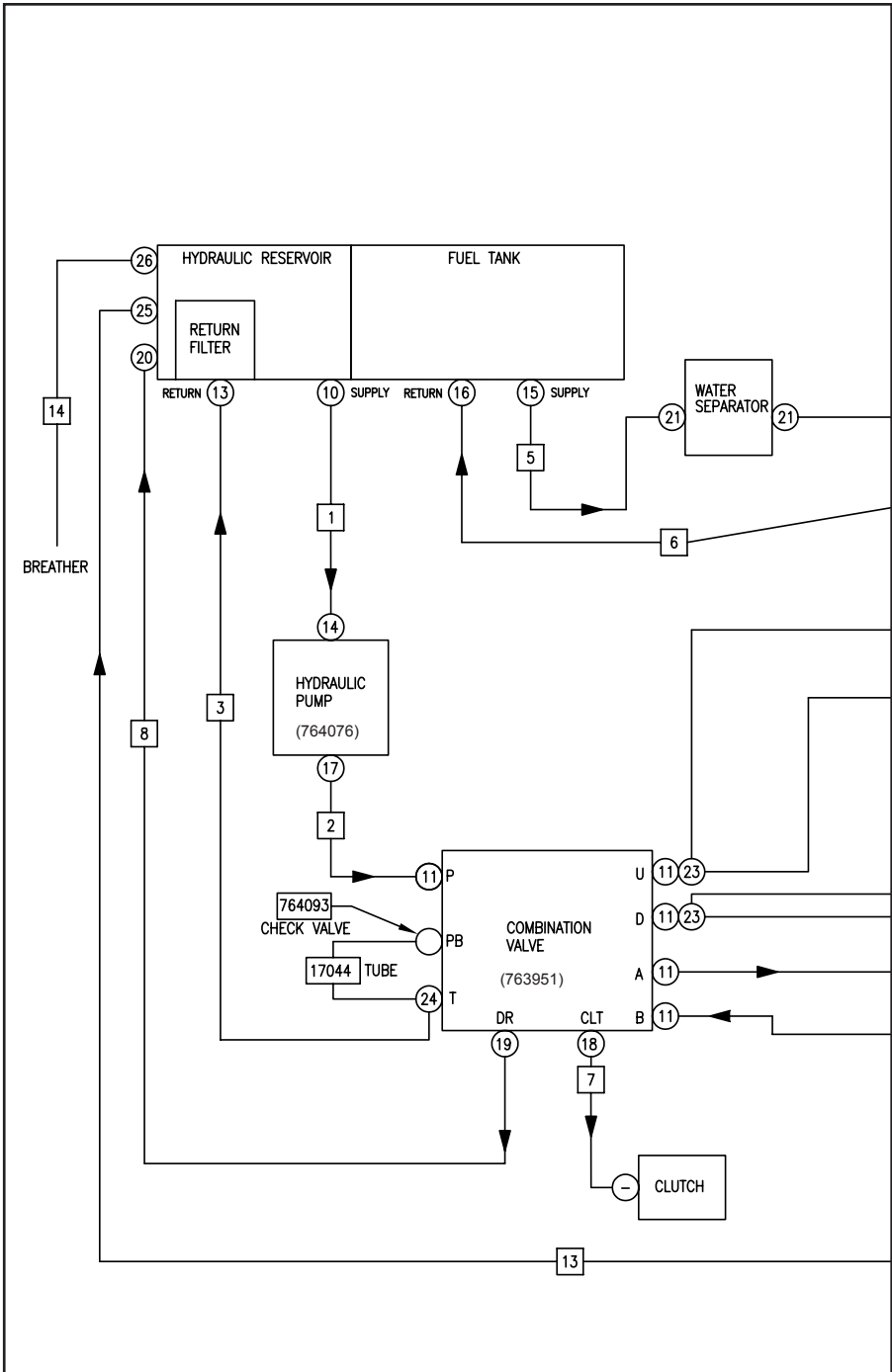
Reprogrammed LCM (Logic Control Module)



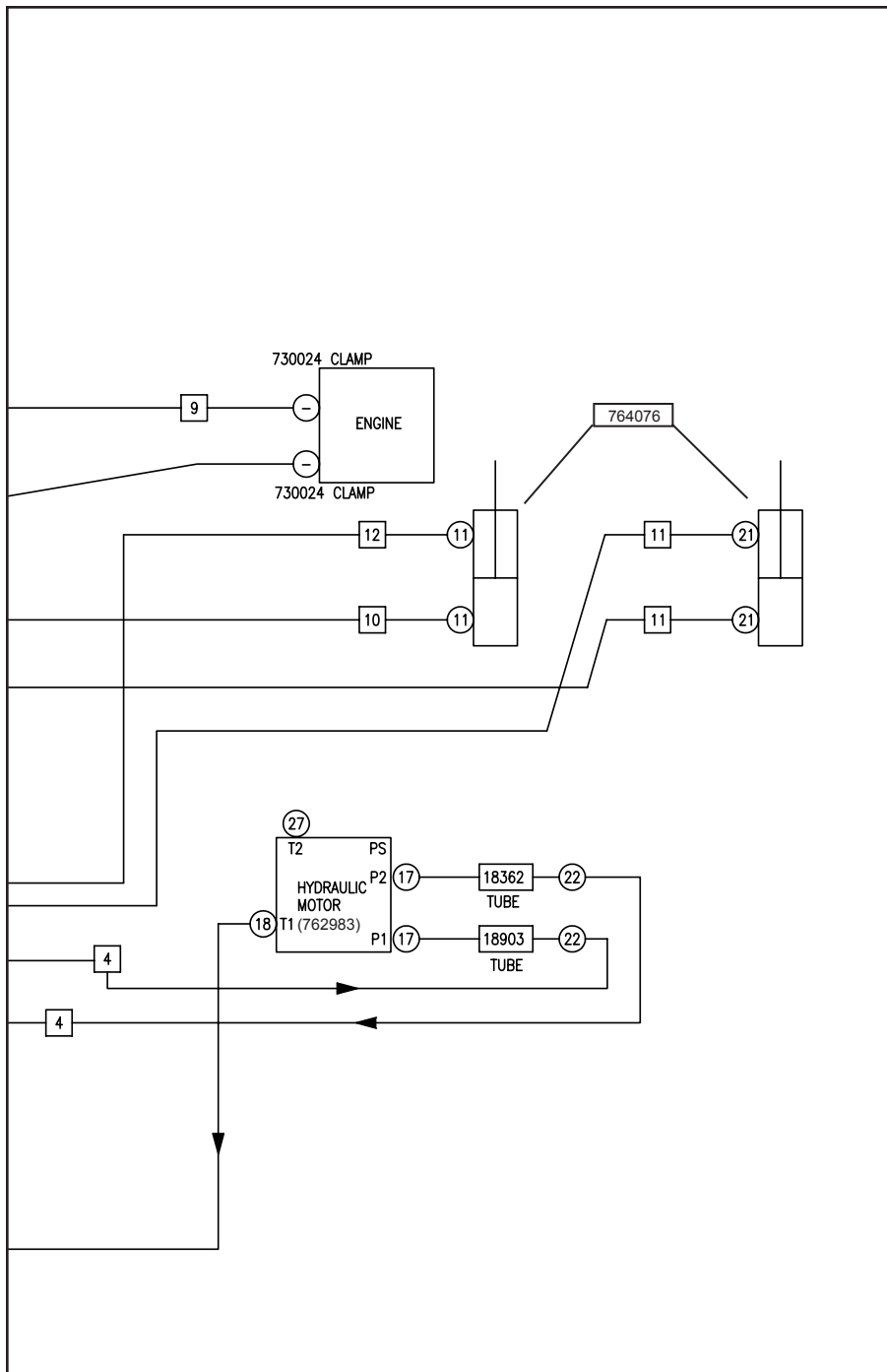
ELECTRICAL ASSEMBLY (NOT SHOWN)

PART #	DESCRIPTION	QTY.	INCLUDED IN
14065-01	HARNESS - SWITCH JUMPER	1	16641
14292	CABLE - BATTERY 1/0 RED	1	"
14294	CABLE - BATTERY 1/0 BLACK	1	"
14295	HARNESS - LIGHTING	1	"
14299	HARNESS - BRAKE	1	"
14300	WIRE KIT	1	"
16537	HARNESS - FUEL PUMP	1	"
17412	ELECTRICAL SYSTEM - LIGHTING	1	"
17935	HARNESS - MAIN	1	"
18633	WIRE - JUMPER VALVE	1	"
1951	JUNCTION BOX ASSY. W/SOCK	1	"
2022	WIRE - JUMPER GROUND	1	"
2047	HARNESS - TRAILER SOCKET	1	"
6819	BREAKAWAY SWITCH ASSEMBLY	1	"
736143	RELAY - SWITCHING (87a87)	1	"
750108	FUSE - ATC, 15 AMP	1	"
750109	FUSE - ATC, 20 AMP	1	"
750892	FUSE - ATC, 5 AMP	1	"
750893	FUSE - ATC, 10 AMP	1	"
763232	PLUG - LICENSE/MARKER	2	"
763317	BUSHING - CABLE	2	"
763812	FUSE - ATC, 25 AMP	1	"

HOSE / ADAPTOR KIT



HOSE / ADAPTOR KIT



HOSE KIT (SQUARES)

ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
1	HOSE	16R1T-16FJX-12FJX-58"	1	764300H
2	HOSE	6R2T-6FJX-6FJX90 -136"	1	"
3	HOSE	6R1T-6FJX-6FJX90-102"	1	"
4	HOSE	6R2T-6FJX-6FJX90 -162"	2	"
5	HOSE	H05706-6FJX-6FJX-90"	1	"
6	HOSE	H05704-4FJX90-PLAIN-80"	1	"
7	HOSE	6R1T-6FJX-6FJX90-107"	1	"
8	HOSE	4R1T-4FJX-6FJX-102"	1	"
9	HOSE	H05706-6FJX-PLAIN-56"	1	"
10	HOSE	6R2T-6FJX-6FJX90-60"	1	"
11	HOSE	6R2T-6FJX-6FJX90-135"	2	"
12	HOSE	6R2T-6FJX-6FJX90-65"	1	"
13	HOSE	6R1T-6FJX-6FJX90 -48"	1	"
14	HOSE	4R1T-4MP-4FJX-30"	1	"

ADAPTOR KIT (CIRCLES)

ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
10	2503-16-12	ELBOW 45 DEG -16JIC X -12NPT	1	764300A
11	6400-6-6	CONNECTOR -6JIC X -6MOR	7	"
13	6802-6-8	ELBOW 45 DEG -6JIC X -8MOR	1	"
14	6802-12-10	ELBOW 45 DEG -12JIC X -10MOR	1	"
15	2502-6-8	ELBOW 90 DEG -6JIC X -8NPTF	1	"
16	2502-4-6	ELBOW 90 DEG -4JIC X -6 NPTF	1	"
17	6400-6-8	CONNECTOR -6JIC X -8MOR	3	"
18	6801-6-6	ELBOW 90 DEG -6JIC X -6MOR	4	"
19	6801-4-4	ELBOW 90 DEG -4JIC X -4MOR	1	"
20	2503-6-8	ELBOW 45 DEG -6JIC X -8NPT	1	"
21	6802-6-6	ELBOW 45 DEG SWIVLE -6JIC	4	"
22	2403-6-6	UNION -6JIC X -6JIC	2	"
23	6602-6	TEE -6JIC SWIVEL	2	"
24	6804-6-6-6	TEE -6JIC X -6JIC X -6MOR	1	"
25	2501-6-4	ELBOW 90 DEG -6JIC X -4MP	1	"
26	2404-4-4	CONNECTOR -4JIC X -4MP	1	"
27	6408-6	PLUG -6 MOR	1	"

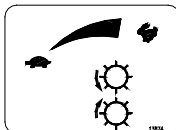
DECAL KIT				
ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
1	12200	DECAL - CAUTION BELT	2	14226
2	13874	DECAL - FEED SPEED	1	"
3	13877	DECAL - FEED ROT. RH	1	"
4	13879	DECAL - FEED ROT. LH	1	"
5	13881	DECAL - DANGER KEEP HANDS	2	"
6	15271	DECAL - DANGER KNIFE ACCESS	1	"
7	15700	DECAL - INST PANEL	1	"
8	16339	DECAL - FEED WHEEL LIFT	1	"
9	16382	DECAL - NEUTRAL START	1	"
10	16384	DECAL - PUSH TO REVERSE	1	"
11	18080	DECAL - KNIFE BOLTS	1	"
12	18142	DECAL - WELD CAUTION	1	"
13	19046	DECAL - FEED WHEEL PINCH	2	"
14	19086	DECAL - GENERAL WARNING	1	"
15	19165	DECAL - RAYCO CHIPS 18"	3	"
16	19166	DECAL - BRUSH CH W/STRIPE	2	"
17	19184	DECAL - VERSA FEED	2	"
18	19185	DECAL - PULSE TECHNOLOGY	2	"
19	19494	DECAL - CHUTE FRONT, LH	1	"
20	19495	DECAL - CHUTE STRIPE, LH	1	"
21	19496	DECAL - CHUTE FRONT, RH	1	"
22	19497	DECAL - CHUTE STRIPE, RH	1	"
23	19498	DECAL - FEED COVER, RH	1	"
24	19499	DECAL - FEED COVER, LH	1	"
25	19500	DECAL - BELT GUARD STRIPE	1	"
26	3080	DECAL - CHECK ENGINE OIL	1	"
27	6817	DECAL - WARNING BREAKAWAY	1	"
28	7005	DECAL - PREMIUM DIESEL	1	"
29	732000	DECAL - HYDRAULIC OIL	1	"
30	732004	DECAL - MADE IN THE USA	2	"
31	732005	DECAL - WARNING FOR YOUR	4	"
32	732006	DECAL - DANGER WHEN REFUELING	1	"
33	732009	DECAL - CAUTION OVERTIGHTEN	1	"
34	732010	DECAL - WARN KEEP ALL SHIELDS	2	"
35	732011	DECAL - DANGER KEEP HANDS	4	"
36	732018	DECAL - DANGER ROTATING CW	1	"
37	732020	DECAL - CAUTION REDUCE ENG	1	"
38	732021	DECAL - CAUTION KEEP CLEAR	4	"
39	732026	DECAL - GREASE MACHINE	2	"
40	751022	DECAL - MANUAL BOX	1	"
41	763790	REFLECTOR-YELLOW TAPE	2	"
42	763791	REFLECTOR-RED TAPE	4	"
43	763863	DECAL - THROTTLE	1	"
44	9185	DECAL - GREASE STUB SHAFT	2	"

DECAL KIT (CONTINUED)

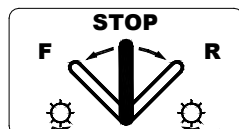
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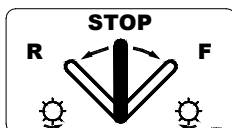
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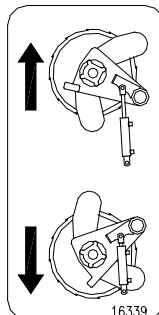
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5



8



6



7



10

PUSH TO REVERSE

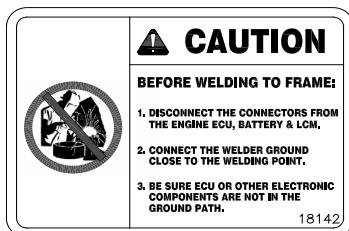
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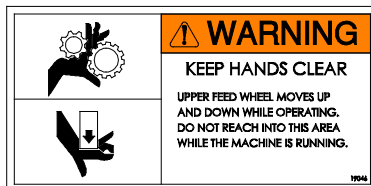
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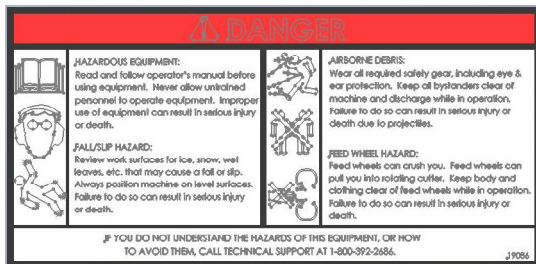


13



DECAL KIT (CONTINUED)

14



15



16



18

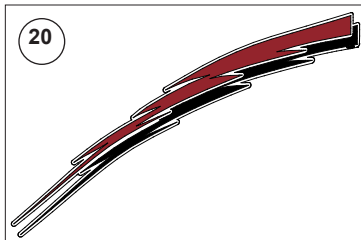
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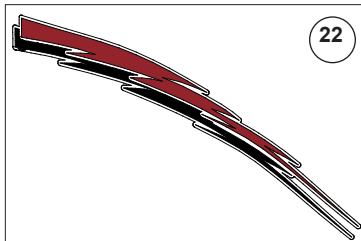
20



21



22



DECAL KIT (CONTINUED)

23



24



25



26

**CHECK ENGINE
OIL LEVEL DAILY!**

**CHECK OIL LEVEL WHILE
ENGINE IS STOPPED
AND IN A LEVEL POSITION.**

27

⚠ CAUTION

DISCONNECT TRAILER PLUG BEFORE
TESTING BREAKAWAY UNIT.
FAILURE TO DO SO WILL RESULT IN
SEVERE DAMAGE TO ELECTRONIC BRAKE
CONTROL.

5817

28

**PREMIUM DIESEL
FUEL ONLY**

29



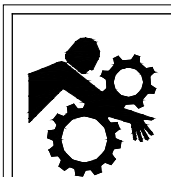
30

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U.S.A.

RAYCO® WOOSTER, OH.

31



⚠ WARNING

FOR YOUR PROTECTION
KEEP ALL SHIELDS IN PLACE
AND SECURED WHILE
MACHINE IS OPERATING.
MOVING PARTS WITHIN CAN
CAUSE SEVERE PERSONAL
INJURY.

TM 4

32



⚠ DANGER

WHEN REFUELING MACHINE:

- DO NOT SMOKS
- SHUT OFF ENGINE
- DO NOT ALLOW ANY HOT OR
BURNING MATERIALS NEAR

73006

33



⚠ CAUTION

SHORTENING BELT CAN CAUSE
SERIOUS CRANK SHAFT FAILURE.
CONNECT TENSION CAN BE DETERMINED
BY ADJUSTING BELT TENSION. YOU CAN
DIAGNOSE ONE BELT TENSIONING OF THE
BELT AT CENTER OF SPAL BELTS WILL
STRETCH MOST DURING FIRST 15 HOURS
OF OPERATION. THEREFORE CHECK
TENSION EVERY 4 HOURS FOR THE FIRST
15 HOURS, AND DAILY THEREAFTER.

TM 5

34

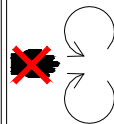


⚠ WARNING

KEEP ALL SHIELDS IN PLACE.
STOP ENGINE, DISCHARGE POWER
AND WAIT FOR ALL MOVEMENT TO STOP
BEFORE SERVICING MACHINE.
KEEP ALL OPERATIONS AT A SAFE DISTANCE.
KEEP HANDS, FEET AND CLOTHING AWAY
FROM ALL MOVING PARTS.

TM 6

35



⚠ DANGER

**KEEP HANDS OUT OF MACHINE
WHILE IN OPERATION**

MACHINE CONTINUES TO ROTATE AFTER
POWER IS DISCHARGED. LOOK AND LISTEN
TO ASSURE THAT ALL ROTATION HAS
STOPPED BEFORE SERVICING MACHINE.
FALLING TO FUSE THIS WARNING MAY
CAUSE SEVERE PERSONAL INJURY.

TM 7

DECAL KIT (CONTINUED)

36

⚠ DANGER

**ROTATING CUTTER
FLYING CHIPS AND
OTHER OBJECTS!**

**STAY CLEAR OF
MACHINE AND WORK
AREA UNLESS OPERATOR
HAS STOPPED ENGINE
AND CUTTER.**

732018

STOP

⚠ WARNING

- REDUCE ENGINE SPEED TO "SLOW" BEFORE TURNING CUTTING WHEEL "ON" OR "OFF".
- CUTTING WHEEL MOMENTANLY CONTINUES ROTATION AFTER SHUTDOWN! MAKE SURE CUTTING WHEEL HAS FULLY STOPPED BEFORE LEAVING CONTROLS.

736-04

37

⚠ CAUTION

**KEEP CLEAR WHILE
IN OPERATION**

732021

38

**GREASE MACHINE
ACCORDING TO
INSTRUCTIONS.**

732026

39

40

ATTENTION!

**READ OWNER'S MANUAL CAREFULLY BEFORE
OPERATING THIS MACHINE!
REPLACE WORN OR DAMAGED OPERATOR'S
MANUAL.
NEW MANUALS MAY BE PURCHASED FROM
RAYCO MFG. INC. WOOSTER, OHIO.**

751022

44

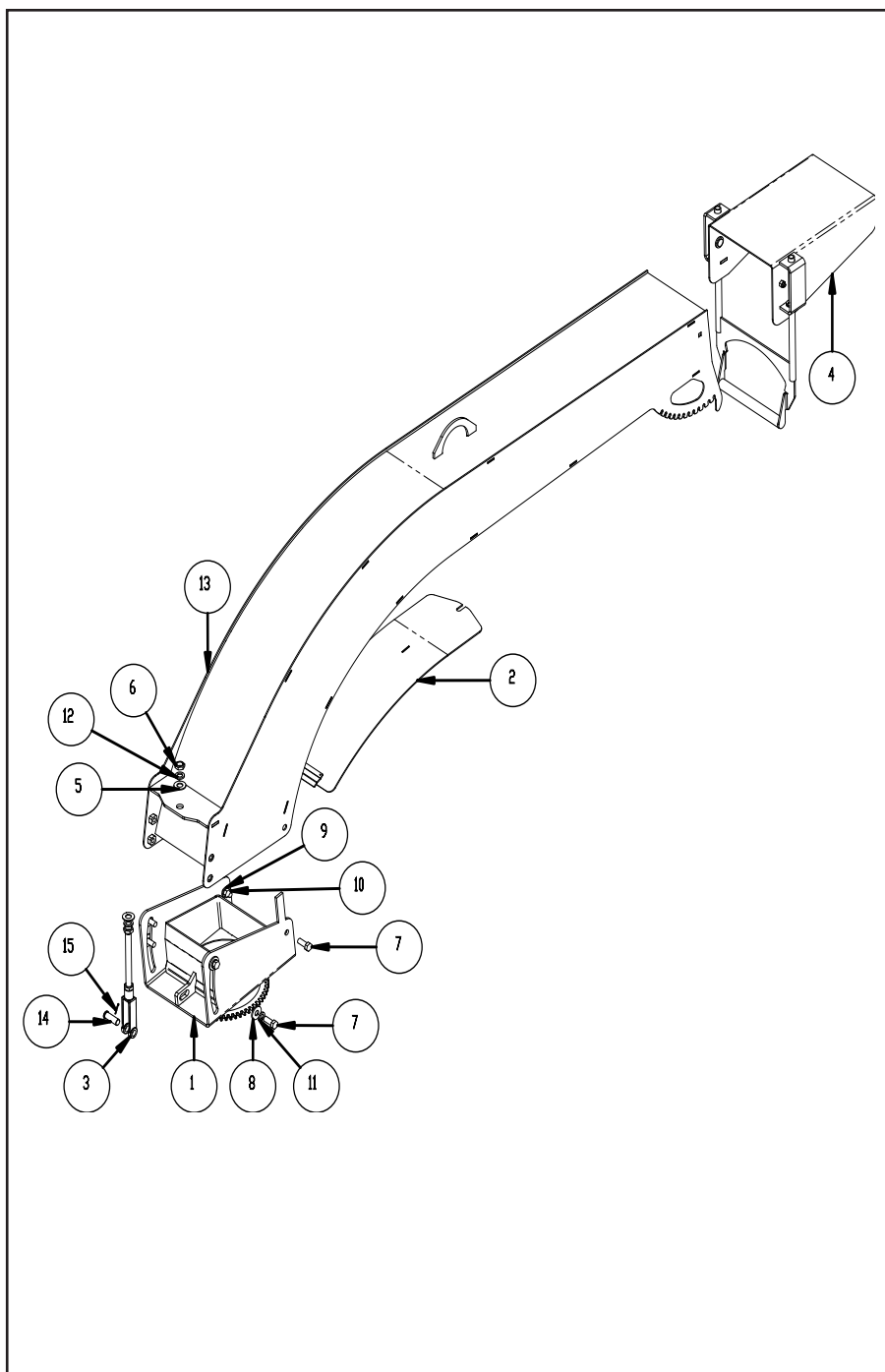
**GREASE STUB SHAFT
BEARING ACCORDING
TO MANUAL**



43



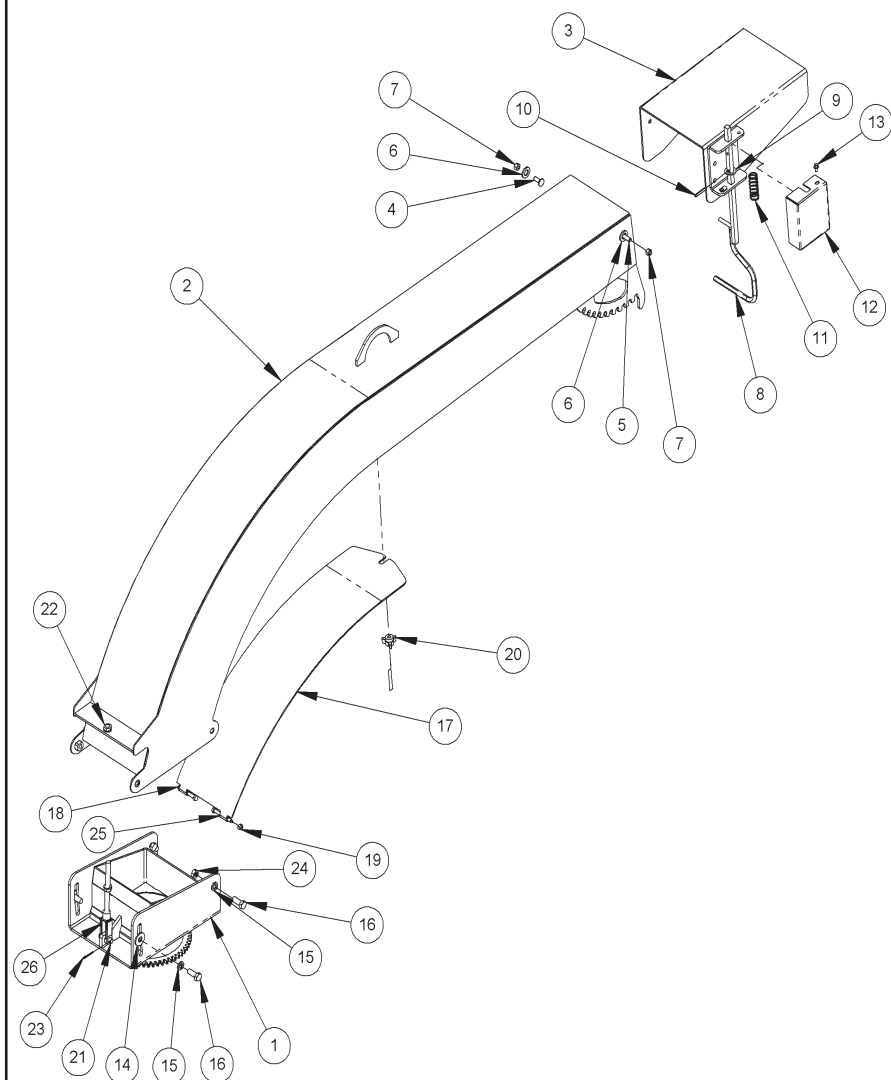
OPTIONAL DISCHARGE CHUTE ASSEMBLY (Serial #:8W210066-Current)



ADJUSTABLE DISCHARGE CHUTE ASSEMBLY (OPTIONAL)

ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
1	20293	BASE, WELDMENT, ADJ	1	20283
2	20290	DOOR, CLEAN OUT WELD.	1	"
3	20289	YOKE ROD ASSY, DISCH CHUTE ADJ	1	"
4	20007	DEFLECTOR ASSEMBLY	1	"
5	763436	WASHER FLAT 5/8 SAE	2	"
6	760495	JAM NUT - 5/8" - 11	2	"
7	722503	BOLT HEX 1/2-13 x 1 1/4	6	"
8	726501	WASHER FLAT 1/2	4	"
9	763437	WASHER FLAT 1/2" HARDEN	2	"
10	724503	NUT LOCK 1/2-13	2	"
11	726502	WASHER LOCK 1/2	4	"
12	726702	WASHER LOCK 5/8	2	"
13	20284	CHUTE-DISCHARGE WELD	1	"
14	750183	PIN-CLEVIS 5/8 X 1-3/4 PL	1	"
15	728001	PIN-COTTER 3/32 X 1	1	"

OPTIONAL ADJUSTABLE CHUTE ASSEMBLY (Serial #:NW210000-8W210065)

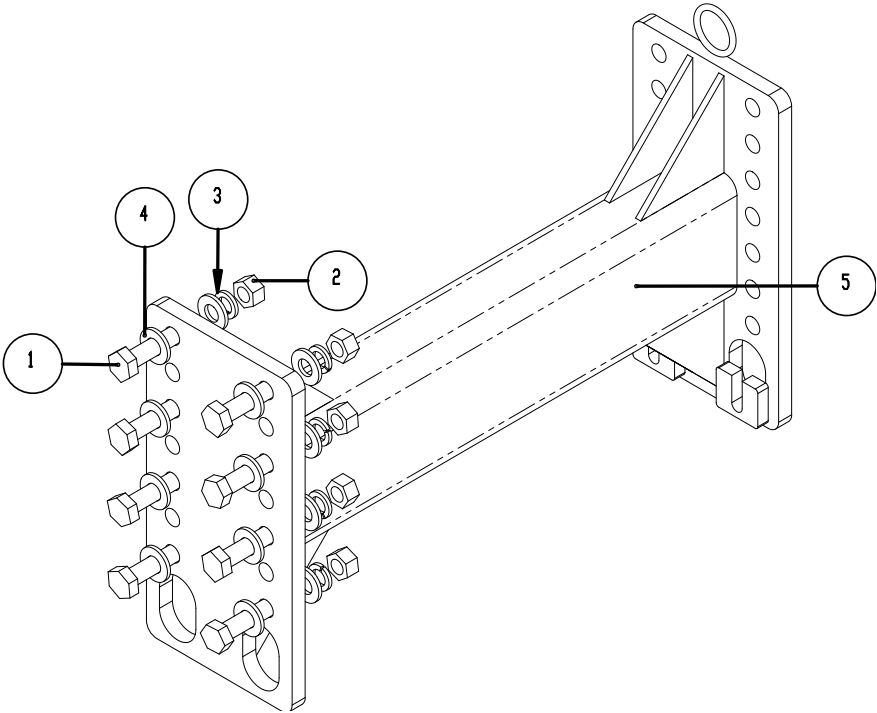


OPTIONAL ADJUSTABLE CHUTE ASSEMBLY (Serial #:NW210000-8W210065)

ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
1	17481	BASE, WELDMENT, ADJ.	1	17617
2	17610	CHUTE - DISCHARGE WELDMENT	1	"
3	15558	DEFLECTOR WELDMENT	1	"
4	722331	BOLT CARRIAGE 3/8-16 X 1	1	"
5	722332	BOLT CARRIAGE 3/8-16 X 1-1/4	1	"
6	4900-11	WASHER 10GA .640 X 1.125	2	"
7	760261	NUT - LOCK 3/8-16 NYLON	2	"
8	15586	HANDLE, WELDMENT	1	"
9	726803	WASHER, FLAT 3/4-14GA	1	"
10	770010	PIN - ROLL 1/4 X 1-1/2	1	"
11	765070	SPRING - COMPRESSION	1	"
12	15556	COVER, DEF. SPRING	1	"
13	750765	BOLT WHIZ 1/4-20 X 1/2 GR5	2	"
14	726501	WASHER FLAT 1/2	2	"
15	726502	WASHER LOCK 1/2	6	"
16	722503	BOLT HEX 1/2-13 X 1-1/4	4	"
17	17616	DOOR WELDMENT	1	"
18	722204	BOLT HEX 5/16-18 X 2 3/4 GR8	2	"
19	750050	NUT LOCK 5/16-18 NYLON	2	"
20	761675	KNOB - PLASTIC, BLACK	1	"
21	728019	PIN - CLEVIS 1/2 X 1-1/2	1	"
22	750102	NUT JAM 1/2-20	2	"
23	728035	PIN - HAIR COTTER 1/8 X 1	1	"
24	724503	NUT LOCK 1/2-13	2	"
25	726202	WASHER LOCK 5/16" PLATED	2	"
26	17734	ADJUSTMENT WELDMENT	1	"

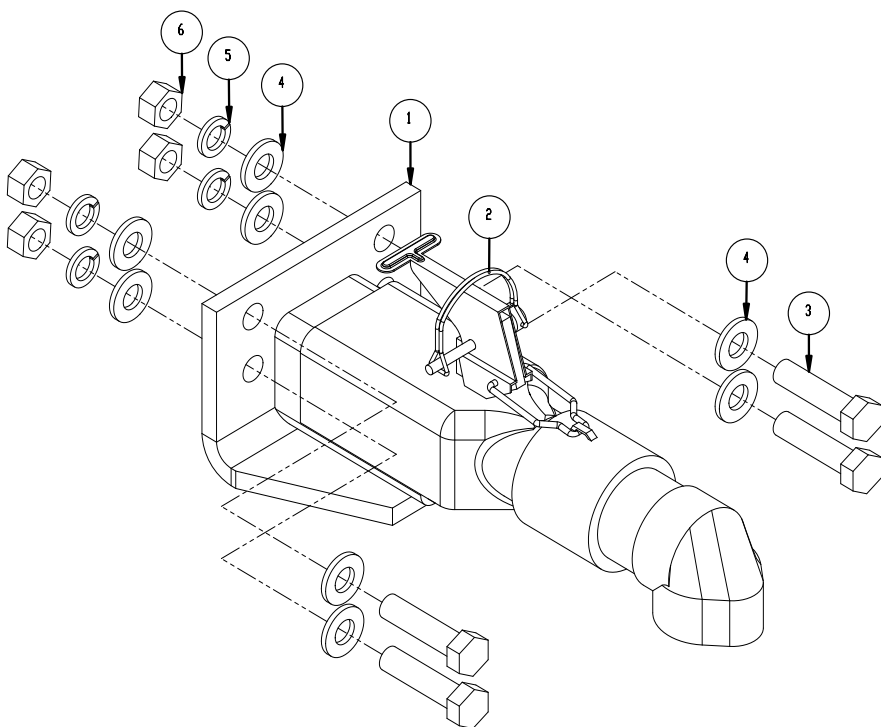
TONGUE EXTENTION (OPTIONAL)

ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
1	722600	BOLT HEX 5/8-11X2-1/2GR8	8	15896-18 & 15896-24
2	724701	NUT HEX 5/8-11 GR8	8	"
3	726702	WASHER LOCK 5/8	8	"
4	763434	WASHER FLAT 5/8" HARDEN	16	"
5	15895-18	TONGUE WELDMENT 18" LG	1	15896-18
5	15896-24	TONGUE WELDMENT 24" LG	1	15896-24

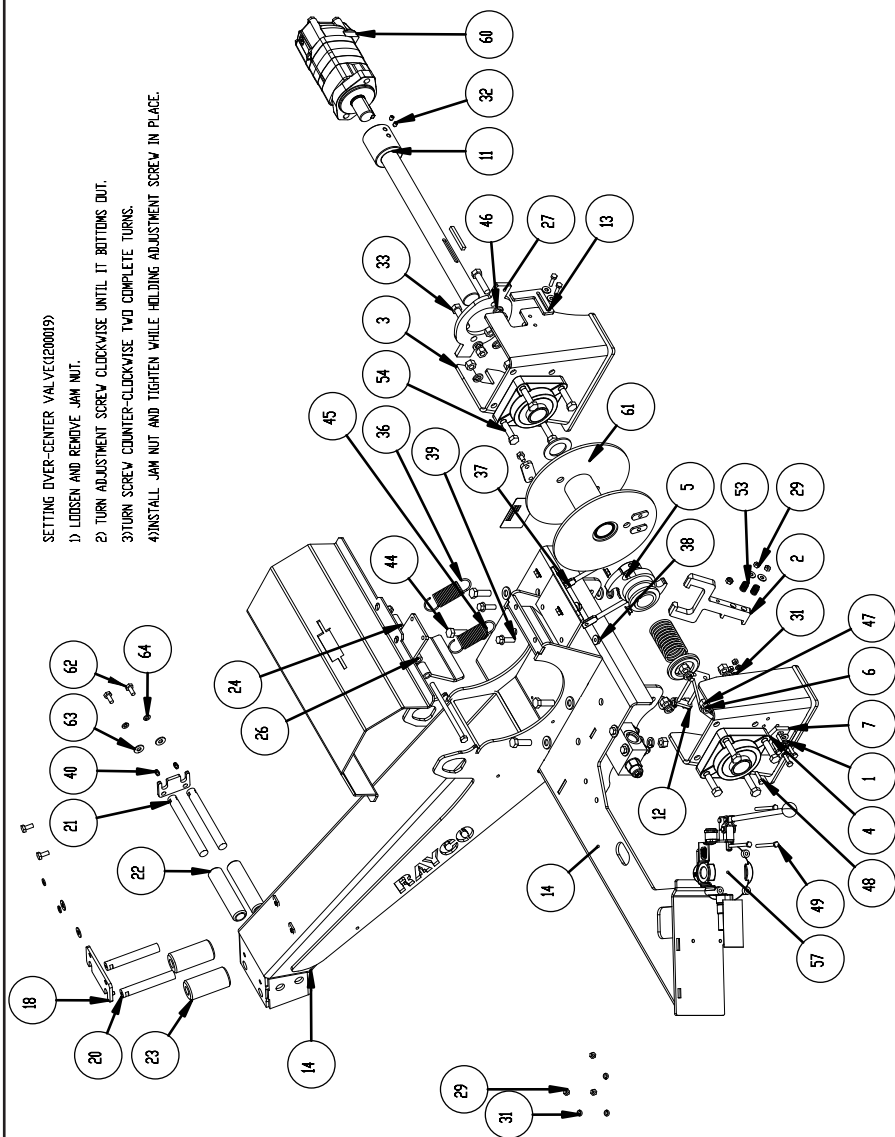


BALL HITCH (OPTIONAL)

ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
1	15210	HITCH WELDMENT	1	15212
2	728028	PIN-SAFETY SNAP 1/4 X 2 1/2	1	"
3	722600	BOLT HEX 5/8-11X2-1/2GR8	4	"
4	763434	WASHER FLAT 5/8" HARDEN	8	"
5	726702	WASHER LOCK 5/8	4	"
6	724701	NUT HEX 5/8-11 GR8	4	"



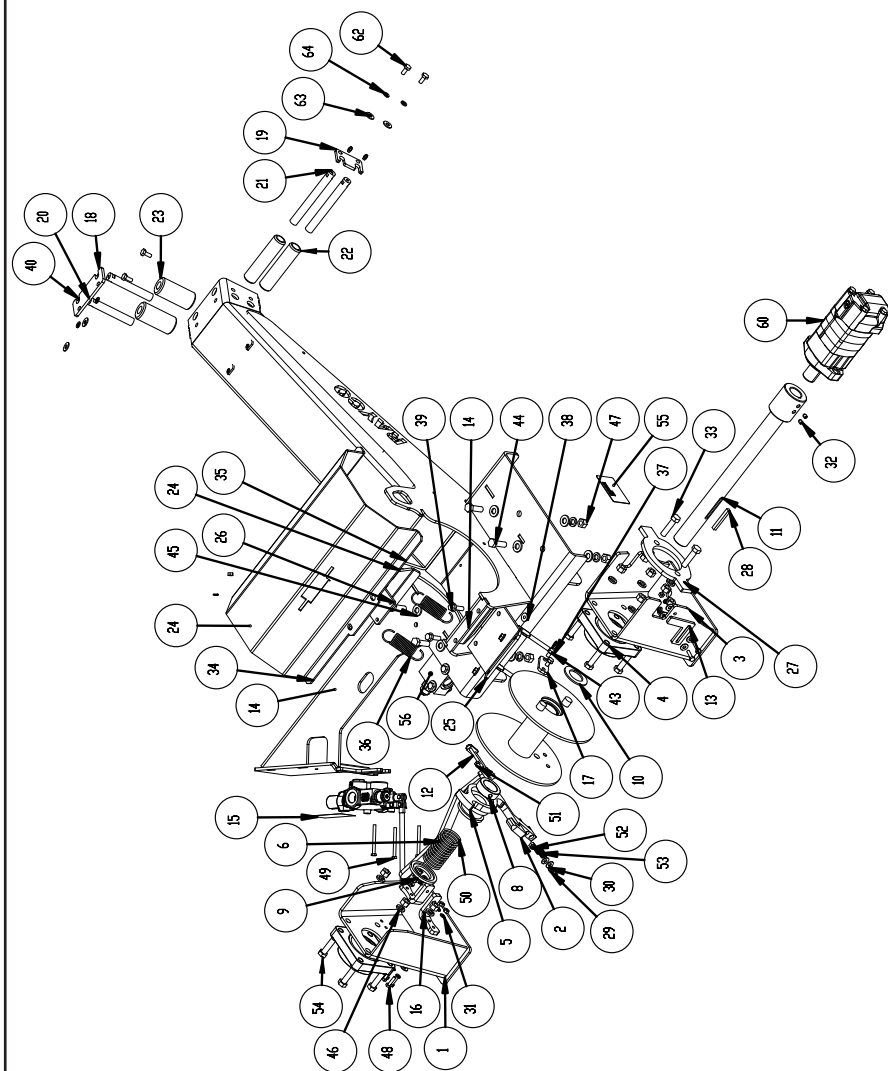
WINCH ASSEMBLY (OPTIONAL)



WINCH ASSEMBLY (OPTIONAL)

ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
1	21044	END BKT ASSY, CLUTCH SIDE	1	21130
2	21045	CLUTCH FORK, WINCH	1	"
3	21047	END BRKT ASSY, MTR SIDE	1	"
4	800289	FLANGE BEARING 1 1/2" - WINCH	2	"
5	21072	CLUTCH WELDMENT, WINCH	1	"
6	21075	HANDLE, WINCH CLUTCH	1	"
7	21076	STOP, WINCH HANDLE	1	"
8	800296	SET COLLAR-CHIPPER WINCH	1	"
9	21081	SPRING RETAINER, WINCH CLUTCH	1	"
10	4900-81	WASHER, 1.52 X 2.50 X 10GA.	1	"
11	21077	SHAFT WELDMENT, WINCH	1	"
12	21103	HANDLE BOLT WELD, WINCH	1	"
13	21104	MOTOR STOP, WINCH	1	"
14	21039	CHIPPER MNT W/BOOM, WINCH	1	"
15	20965	DECAL -WINCH DIRECTION	1	"
16	21105	BRACKET, FORK PIVOT	2	"
17	21107	ROPE RETAINER PLATE, WINCH	1	"
18	21108	RETAINER, 4INCH FAIRLEAD PIN	1	"
19	21109	REATINER, 6 INCH FAIRLEAD PIN	1	"
20	21111	PIN, 4IN FAIRLEAD	2	"
21	21115	PIN, 6IN FAIRLEAD	2	"
22	21117	ROLLER, 6IN FAIRLEAD	2	"
23	21118	ROLLER, 4IN FAIRLEAD	2	"
24	21121	COVER WELDMENT, WINCH	1	"
25	21122	MOUNT, SPRING TENSIONER	1	"
26	21129	TENSIONER WELDMENT, WINCH	1	"
27	21126	MOUNT, WINCH MOTOR	1	"
28	800284	KEY, WINCH SHAFT	1	"
29	724101	NUT HEX 1/4-20 GR8	11	"
30	726101	WASHER FLAT 1/4 USS	8	"
31	726102	WASHER-LOCK, 1/4"	11	"
32	730053	SCREW-SET 5/16-18 x 3/8	2	"
33	722506	BOLT HEX 1/2 - 13 X 2 GR8	2	"
34	765034	BOLT-HEX 3/8-16 X 6-1/2	1	"
35	760261	NUT-LOCK 3/8-16 NYLON	1	"

WINCH ASSEMBLY (OPTIONAL) CONTINUED



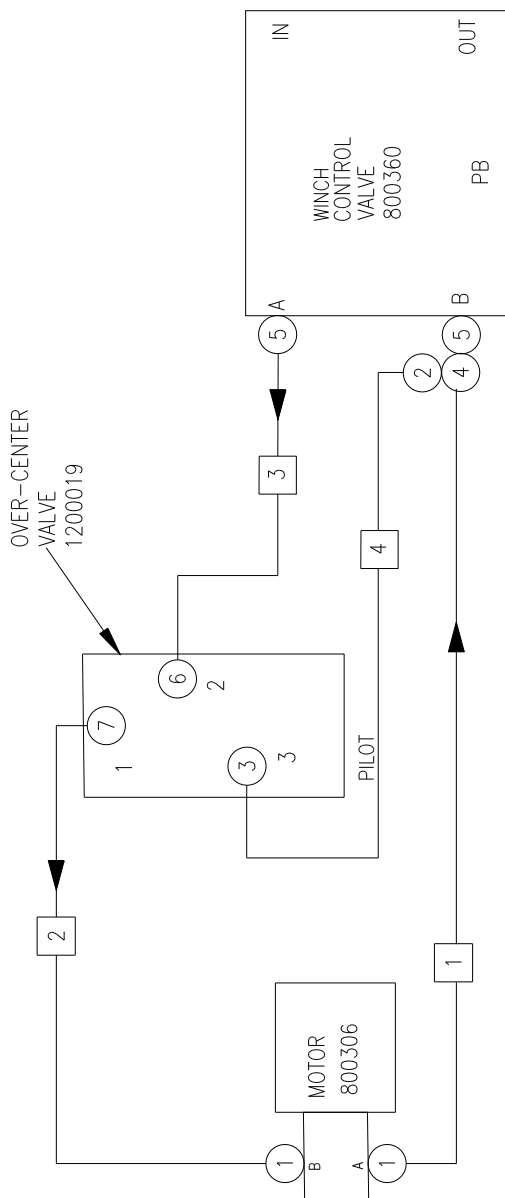
WINCH ASSEMBLY (OPTIONAL) CONTINUED

36	800300	SPRING, WINCH TENSIONER	2	"
37	763196	BOLT-SPADE	2	"
38	750061	NUT-WHIZ 3/8-16 GR5	6	"
39	751027	BOLT WHIZ 3/8"-16 X 1-1/4"	2	"
40	730011	ZERK-GREASE 1/4-28 STR	4	"
41	726301	WASHER FLAT 3/8 USS	4	"
42	726302	WASHER-LOCK 3/8	2	"
43	750400	BOLT WHIZ 5/16-18 X 1/2	2	"
44	722504	BOLT HEX 1/2-13 x 1 1/2	4	"
45	763437	WASHER FLAT 1/2" HARDEN	8	"
46	726502	WASHER LOCK 1/2	14	"
47	724501	NUT HEX 1/2-13 GR8	14	"
48	722104	BOLT HEX 1/4-20 X 1 GR8	8	"
49	722113	BOLT HEX 1/4-20 X 2 3/4	3	"
50	800301	SPRING-COMP .162 X 2.0625 X 3.19	1	"
51	722724	BOLT HEX 1/4-20 X 2 1/4	1	"
52	724508	NUT LOCK 1/4-20 NYLOCK	1	"
53	800303	SPRING-COMP .5 OD X .35 ID X 1"	2	"
54	722505	BOLT HEX 1/2-13 x 1 3/4	8	"
55	16341	SERIAL NUMBER - VIN TAG	1	"
56	1200019	VALVE-OVERCENTER	1	"
57	800360	VALVE,-WINCH CONTROL	1	"
58	750917	BOLT-HEX 3/8-16 X 2 1/2	2	"
59	724301	NUT HEX 3/8-16 GR8	2	"
60	800306	MOTOR-CHIPPER WINCH	1	"
61	21426	SPOOL WELDMENT, WINCH	1	"
62	722203	BOLT HEX 5/16-18X 3/4 GR8	4	"
63	726201	WASHER - FLAT 5/16	4	"
64	726202	WASHER LOCK 5/16" PLATED	4	"

WINCH HYDRAULICS (OPTIONAL)

SETTING OVER-CENTER VALVE(1200019)

- 1) LOOSEN AND REMOVE JAM NUT.
- 2) TURN ADJUSTMENT SCREW CLOCKWISE UNTIL IT BOTTOMS OUT.
- 3) TURN SCREW COUNTER-CLOCKWISE TWO COMPLETE TURNS.
- 4) INSTALL JAM NUT AND TIGHTEN WHILE HOLDING ADJUSTMENT SCREW IN PLACE.



WINCH HYDRAULIC ADAPTOR KIT (Circles)

ITEM #	PART #	DESCRIPTION	QTY	INCLUDED IN
1	6400 -8 -10	CONNECTOR -8MJ X -10MOR	2	800361-A
2	2406 -8 -4	REDUCER -8FJ X -4MJ	1	"
3	6801 -4 -6	ELBOW -4MJ X -6MOR 90 DEG.	1	"
4	6602 -8 -8 -8	SWIVEL TEE -8MJ X -8FJX X -8MJ	1	"
5	6802 -8 -10	ELBOW -8MJ X -10MOR ADJ. 45 DEG.	2	"
6	6801 -8 -12	ELBOW -8FJ X -12MOR ADJ. 90 DEG.	1	"
7	6400-8-12	CONNECTOR -8MJ X -12MOR	1	"

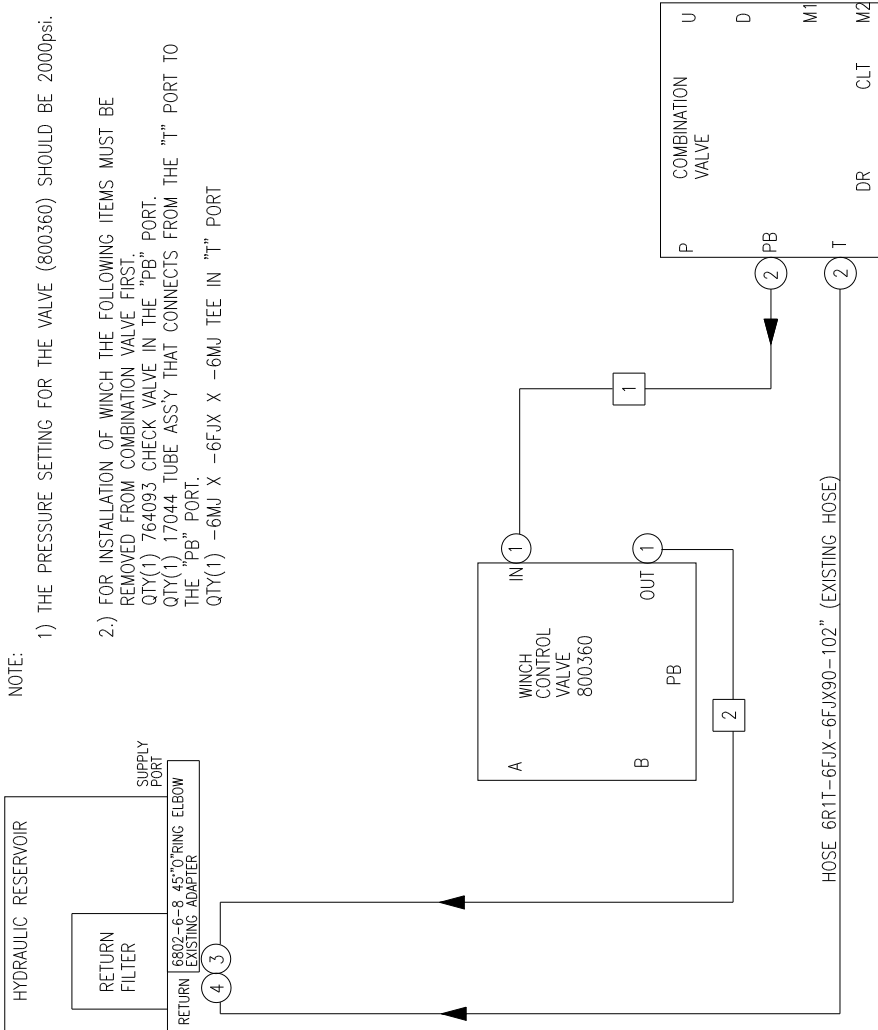
WINCH HYDRAULIC HOSE KIT (Squares)

ITEM #	PART #	DESCRIPTION	QTY	INCLUDED IN
1	HOSE	8R2T -8FJX -8FJX X 48"	1	800361-H
2	HOSE	8R2T -8FJX -8FJX X 34"	1	"
3	HOSE	8R2T -8FJX -8FJX X 13"	1	"
4	HOSE	4R2T -4FJX -4FJX90 X 12"	1	"

MODEL SPECIFIC WINCH HYDRAULICS (OPTIONAL)

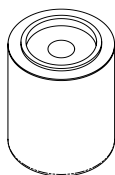
NOTE:

- 1) THE PRESSURE SETTING FOR THE VALVE (800360) SHOULD BE 2000psi.
- 2.) FOR INSTALLATION OF WINCH THE FOLLOWING ITEMS MUST BE REMOVED FROM COMBINATION VALVE FIRST.
 QTY(1) 764093 CHECK VALVE IN THE "PB" PORT.
 QTY(1) 17044 TUBE ASS'Y THAT CONNECTS FROM THE "T" PORT TO THE "PB" PORT.
 QTY(1) -6MJ X -6FJX X -6MJ TEE IN "T" PORT

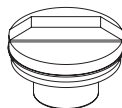


WINCH - HYDRAULIC ADAPTOR KIT				
ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
1	6400-6-12	CONNECTOR -6MJ X -12MOR	2	800365-1A
2	6801-6-6	ELBOW 90DEG -6MJ X -6MOR	2	"
3	6602-6-6-6	TEE RUN -6MJ X -6FJX X -6MJ	1	"
4	6500-6-6	ELBOW SWIVEL -6MJ X -6FJX	1	"
WINCH - HYDRAULIC HOSE KIT				
ITEM #	PART #	DESCRIPTION	QTY.	INCLUDED IN
1	HOSE	6R2T-6FJX90-6FJX X 75"	1	800365-1H
2	HOSE	6R2T-6FJX90-6FJX X 130"	1	"

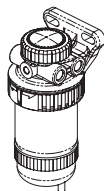
SAFETY/SALES KIT			
PART #	DESCRIPTION	QTY.	INCLUDED IN
736096	COILED CABLE	1	16735
761908	FILTER - HYDRAULIC ELEMENT	1	"
762458	HELMET - COMPLETE W/SHIELD	1	"
780442	MANUAL - OPERATOR	1	"
780445	MANUAL - PARTS	1	"
8411	DECAL - ORIGINAL FILTER	1	"
INSPECTION	DELIVERY INSPECTION SHEET	1	"
KEY CHAIN	KEY CHAIN - RAYCO	1	"
LETTER	LETTER - CUSTOMER	1	"
OTHER OPTIONS NOT SHOWN:			
14069	CUTTING WHEEL LIFT PLATE	1	
15436	AUSTRALIA MODIFICATIONS	1	
15573	LCM PROGRAMMING KIT	1	
15830	SURGE BRAKES	1	
16451	SURGE BRAKES - LUN EYE	1	
16285	TOOLBOX ASSEMBLY (JOHN DEERE)	1	
16427	PULLER FAN	1	

SERVICE PARTS - QUICK REFERENCE

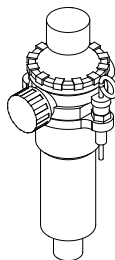
ENGINE OIL FILTER
764212



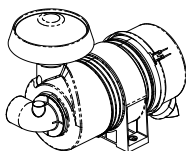
FUEL CAP
760780



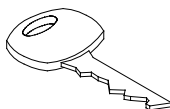
FUEL FILTER
765049
BOWL
765048
ELEMENT
765047



HYDRAULIC
RETURN FILTER
763872
ELEMENT
761908
INDICATOR
761909
DIPSTICK
761910

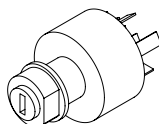


INNER
AIR FILTER
ELEMENT
736142
OUTER AIR FILTER
ELEMENT
736115

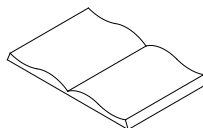


ENGINE KEY
755554

SERVICE
INDICATOR
750363



IGNITION
SWITCH
1200200



RC 12 MANUALS
780442 &
780445

NOTES



NOTES

RAYCO WARRANTY CERTIFICATE

A. General Outline

Rayco Manufacturing, Inc. warrants to the first user that the products it supplies will be free from defects in material and workmanship under normal and proper usage for a period of 365 days from the date of delivery to the first user. In addition, with respect to "Mini Work-Force" models, the mainframe and control bar will be free from defects in material and workmanship under normal and proper usage for a period of two (2) years from said date of delivery.

This warranty does not cover and Rayco makes no warranties with respect to (i) any product that has been subject to abuse, misuse, misapplication, neglect, alteration or accident; to improper or incorrect repair or maintenance; or to abnormal conditions of use, temperature, moisture, dirt or corrosive matter; and (ii) any material, parts or other components that are manufactured by someone other than Rayco, which items carry only the manufacturer's warranty, if any. Furthermore, this warranty does not cover expendable parts.

Individual components such as engines, engine drive systems, batteries, and hydraulic components, etc. shall be covered by standard warranties of their respective manufacturers. Any claims must be submitted within 30 days of the repair.

B. Individual Components

1. Engines

All engines have specific warranties issued by OEM and honored thru their respective dealer.

2. Hydraulic Components

Hydraulic components have variable warranties. Rayco must preauthorize all hydraulic component product warranties prior to removal from the machine, and all warranty considerations are the sole responsibility of the manufacturer.

3. Batteries

Batteries have a warranty that is honored thru manufacturer. For warranty service, the purchaser is to contact manufacturer directly.

4. Various Components

A. Belts will be covered under warranty only if Rayco receives warranty from their supplier.

B. Sprockets Sheaves have a six month limited warranty.

C. Electric clutches have a six month limited warranty.

D. Hydraulic Cylinders will be covered under warranty only if Rayco receives warranty from their supplier.

5. Pockets and Teeth

Pockets and Teeth will be covered under warranty only if they are defective before they are mounted on a stump grinder. Once they are used, all warranty stops.

C. Items not Covered

Rayco is not responsible for the following:

1. Premiums charged for overtime labor requested by the purchaser.
2. Transporting the product to and from the place at which warranty work is performed.
3. Any product that has been altered or modified in ways not approved by Rayco.
4. Depreciation or damage caused by normal wear, lack of reasonable and proper maintenance, failure to follow operating instructions, misuse, lack of proper protection during storage, or accident.

D. Unapproved Service or modification

Rayco is relieved of its obligation under this warranty if:

1. Service (other than normal maintenance and replacement of service items) is performed by someone other than an authorized Rayco dealer; or
2. The product is modified or altered in ways not approved by Rayco.

E. Obtaining Warranty Service

To obtain performance of this warranty, the original retail purchaser must request warranty service from a Rayco dealer authorized to sell the product to be serviced. When making such a request, the purchaser must present evidence of the product's delivery date, make the product available at the dealer's place of business, and inform the dealer in what way the purchaser believes the product to be defective.

Warranty repairs can be made in the field if the purchaser and servicing dealer so desire. However, travel time expense to and from the job site will be purchaser or dealer responsibility.

F. No Implied Warranty or Other Representation

Where permitted by law, neither Rayco nor any company affiliated with it makes any warranties, representations or promises, expressed or implied, as to the quality or performance, or freedom from defect of its products other than those set forth above, and NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS IS MADE.

G. Limitation of Purchaser's Remedies

Where permitted by law, the purchaser's only remedies in connection with the branch of performance on any warranty on any Rayco product are those set forth on this page. In no event will the dealer and or Rayco be liable for incidental or consequential damages, including but not limited to: loss of profits, rental of substitute equipment, or other commercial loss.

H. No Dealer Warranty

The selling dealer makes no warranty of his own on any item warranted by Rayco, and makes no warranty on other items unless he delivers to the purchaser a separate written warranty certificate specially warranting the item. A dealer has no authority to make any representation to promise on behalf of Rayco, or to modify the terms or limitations of this warranty in any way.

If you have a situation where you are not sure if a component is covered under warranty, please do not hesitate to contact us. Rayco wants you and your customer to be 100% satisfied with our products and service.

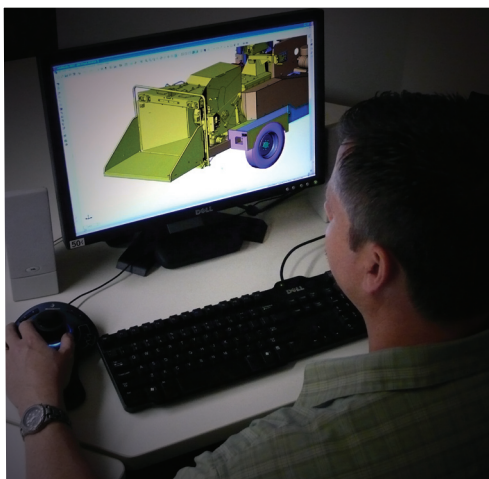
CALIFORNIA**Proposition 65 Warning**

Diesel engine exhaust and some of its constituents are known to the state of California to cause cancer, birth defects, and other reproductive harm.

RAYCO Manufacturing, Inc. is recognized as the industry leader in environmental equipment. Since 1978 RAYCO has continued to "Set the Industry Standard" with new and innovative features and designs.

Engineering is done in house by our highly trained staff of professionals using cutting edge technology.

Our worldwide dealer network provides product training and support by professionals who care about you and your business.



Think smart think safe.....

We care about your safety. When operating your **RAYCO** machinery always wear an approved helmet complete with ear muffs, face shield and the proper eyewear. Never operate under the influence of alcohol or drugs. Know your **RAYCO**, read and understand your owner's manual from cover to cover.



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