

DIAMOND

PRODUCTS

CONCRETE SAW

PARTS LIST

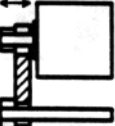
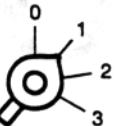
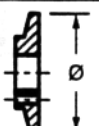
MODEL

CC4000D

(Revised 9-1-2000)

⚠ WARNING: Do not exceed blade speed (RPM) shown for each blade size. Excessive blade speed could result in blade breakage and serious personal injury!

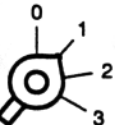
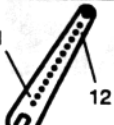
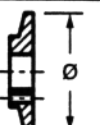
CC4040DM / CC4035DM (MULTI-SPEED DRIVE) RPM CHART

BLADE SIZE	BLADE RPM	BELT POSITION	ENGINE SWITCH *	ENGINE RPM	GOVERNOR HOLE +	FLANGE SIZE	MAX CUT DEPTH
14"	2,875	AWAY	RUN 3	3,000	12	5"	4-3/8"
20"	2,400	AWAY	RUN 2	2,500	9	5"	7-3/8"
26"	2,000	NEAR	RUN 3	3,000	12	5"	10-3/8"
30"	1,675	NEAR	RUN 2	2,500	9	5"	12-3/8"
							

* For CC4040DM Only (40HP Wisconsin Engine)

+ For CC4035DM Only (35HP Wisconsin Engine)

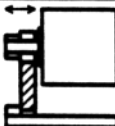
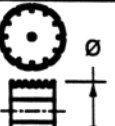
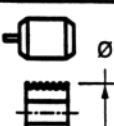
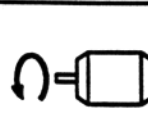
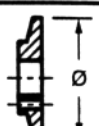
CC4040D / CC4035D (SINGLE SPEED DRIVE) RPM CHART

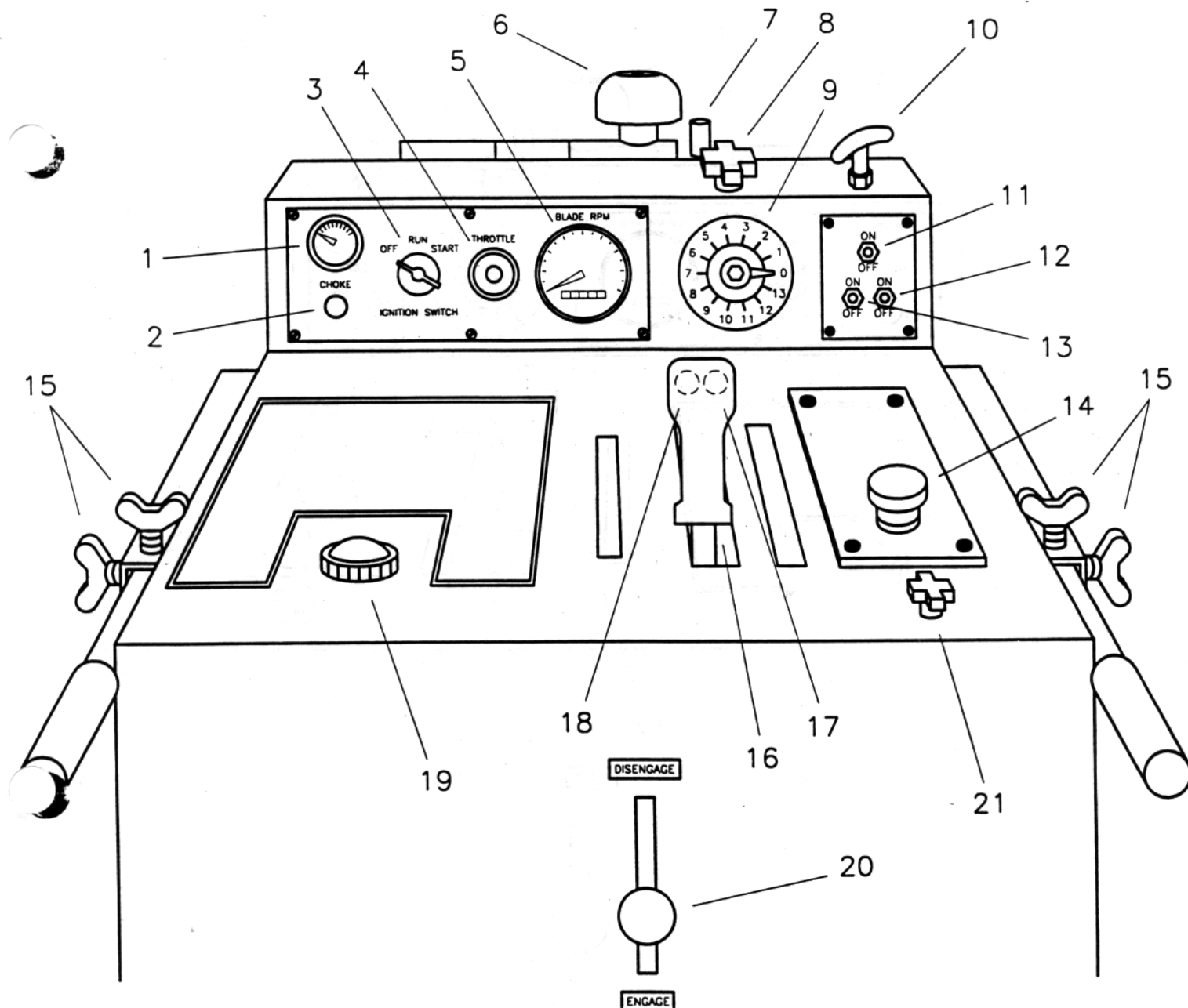
BLADE SIZE	BLADE RPM	BLADESHAFT SHEAVE	ENGINE SHEAVE	ENGINE SWITCH *	ENGINE RPM	GOVERNOR HOLE +	BELT SIZE	FLANGE SIZE	MAX CUT DEPTH
14"	3,000	3.65"	3.65"	RUN 3	3,000	12	3VX475	5"	4-3/8"
20"	2,300	4.75"	3.65"	RUN 3	3,000	12	3VX500	5"	7-3/8"
26"	1,925	4.75"	3.65"	RUN 2	2,500	9	3VX500	5"	10-3/8"
30"	1,700	4.75"	3.65"	RUN 1	2,200	8	3VX500	5"	12-3/8"
									

* For CC4040D Only (40HP Wisconsin Engine)

+ For CC4035D Only (35HP Wisconsin Engine)

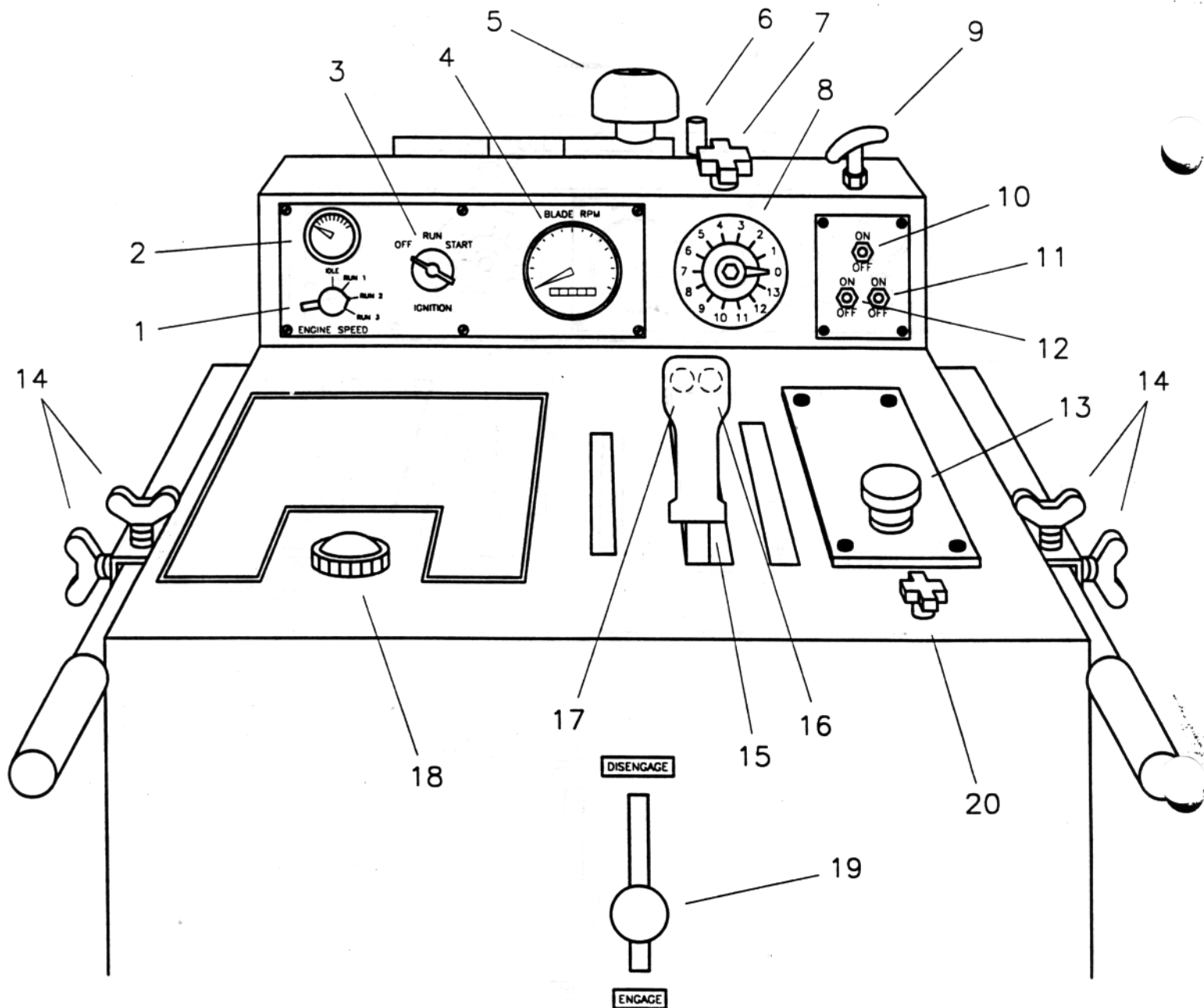
CC4030EDM (DUAL SPEED DRIVE) RPM CHART

BLADE SIZE	BLADE RPM	BELT POSITION	BLADESHAFT SHEAVE	JACKSHAFT SHEAVE	MOTOR RPM	FLANGE SIZE	MAX CUT DEPTH
14"	2,925	NEAR	3.65"	4.50"	1,800	5"	4-3/8"
26"	2,050	AWAY	3.65"	4.50"	1,800	5"	10-3/8"
20"	2,375	NEAR	4.12"	4.12"	1,800	5"	7-3/8"
30"	1,675	AWAY	4.12"	4.12"	1,800	5"	12-3/8"
							



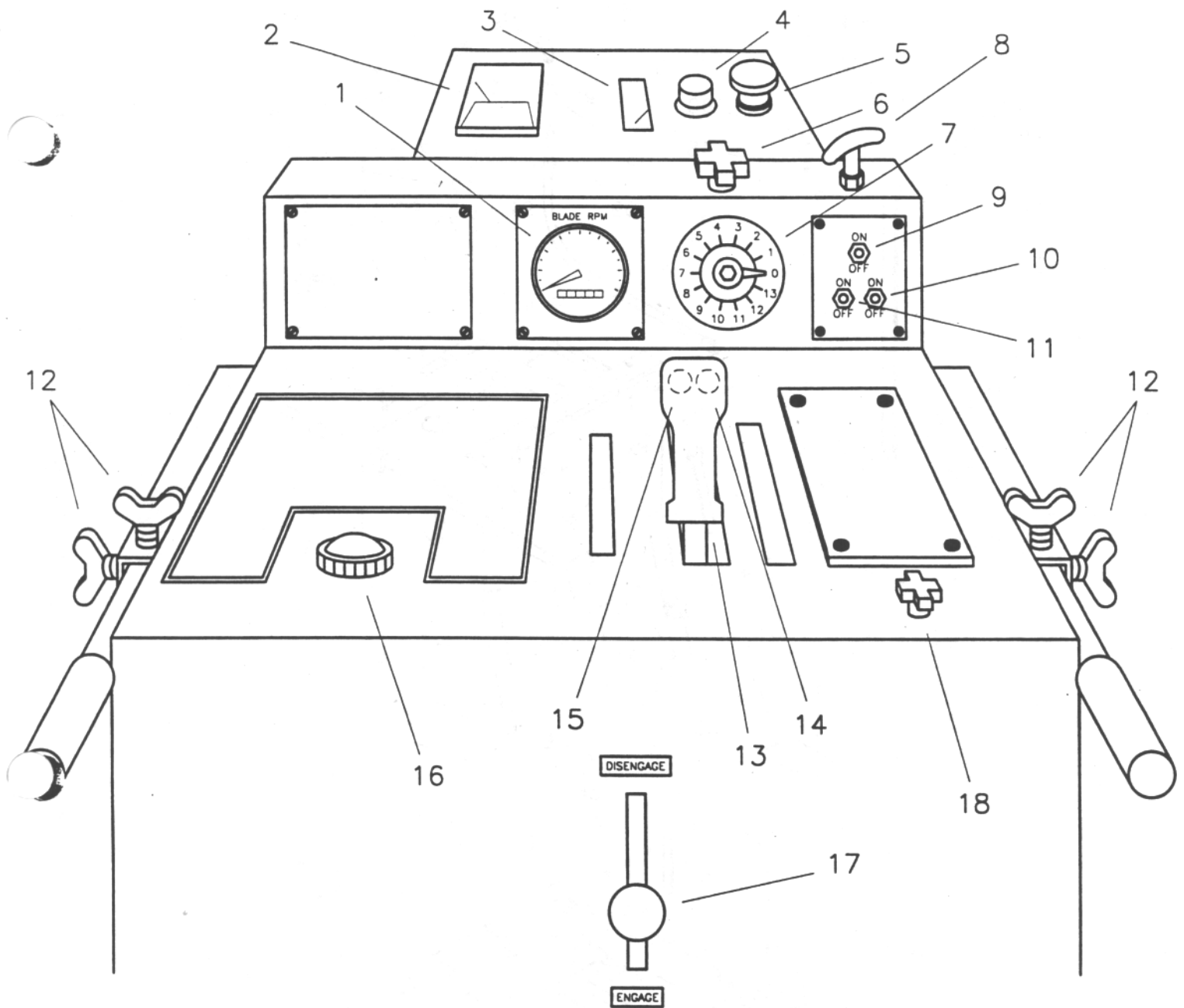
CC4035D Saw Controls Legend

- | | | | |
|----|-----------------------------------|----|--|
| 1 | Volt Meter | 11 | Water Safety Switch (Optional) |
| 2 | Choke Control | 12 | Spotlight Switch (Optional) |
| 3 | Ignition Switch | 13 | Water Pump Switch (Optional) |
| 4 | Vernier Throttle Control | 14 | Emergency Stop Button |
| 5 | Blade Tachometer / Hour Meter | 15 | Handle Lock Knobs |
| 6 | Pre-Cleaner | 16 | Speed Control Lever |
| 7 | Air Cleaner Restriction Indicator | 17 | Lower Pushbutton |
| 8 | Depth Stop Knob | 18 | Raise Pushbutton |
| 9 | Cutting Depth Indicator | 19 | Fuel Tank Cap |
| 10 | Transmission Neutral Control | 20 | Positraction Control |
| | | 21 | Lowering Speed Metering Valve (Optional) |



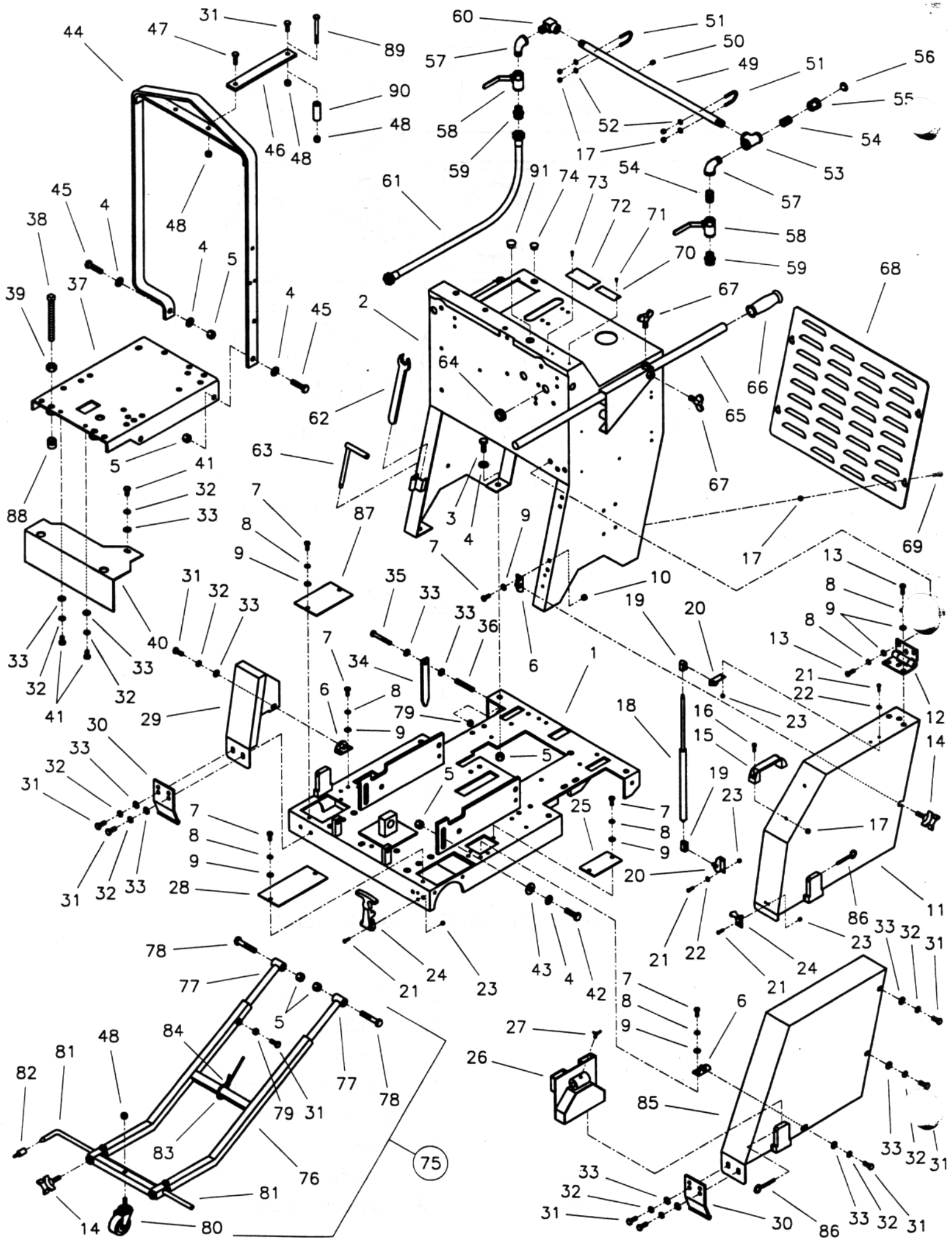
CC4040D Saw Controls Legend

- | | | | |
|----|-----------------------------------|----|--|
| 1 | Engine Speed Switch | 11 | Spotlight Switch (Optional) |
| 2 | Volt Meter | 12 | Water Pump Switch (Optional) |
| 3 | Ignition Switch | 13 | Emergency Stop Button |
| 4 | Blade Tachometer / Hour Meter | 14 | Handle Lock Knobs |
| 5 | Pre-Cleaner | 15 | Speed Control Lever |
| 6 | Air Cleaner Restriction Indicator | 16 | Lower Pushbutton |
| 7 | Depth Stop Knob | 17 | Raise Pushbutton |
| 8 | Cutting Depth Indicator | 18 | Fuel Tank Cap |
| 9 | Transmission Neutral Control | 19 | Positraction Control |
| 10 | Water Safety Switch (Optional) | 20 | Lowering Speed Metering Valve (Optional) |



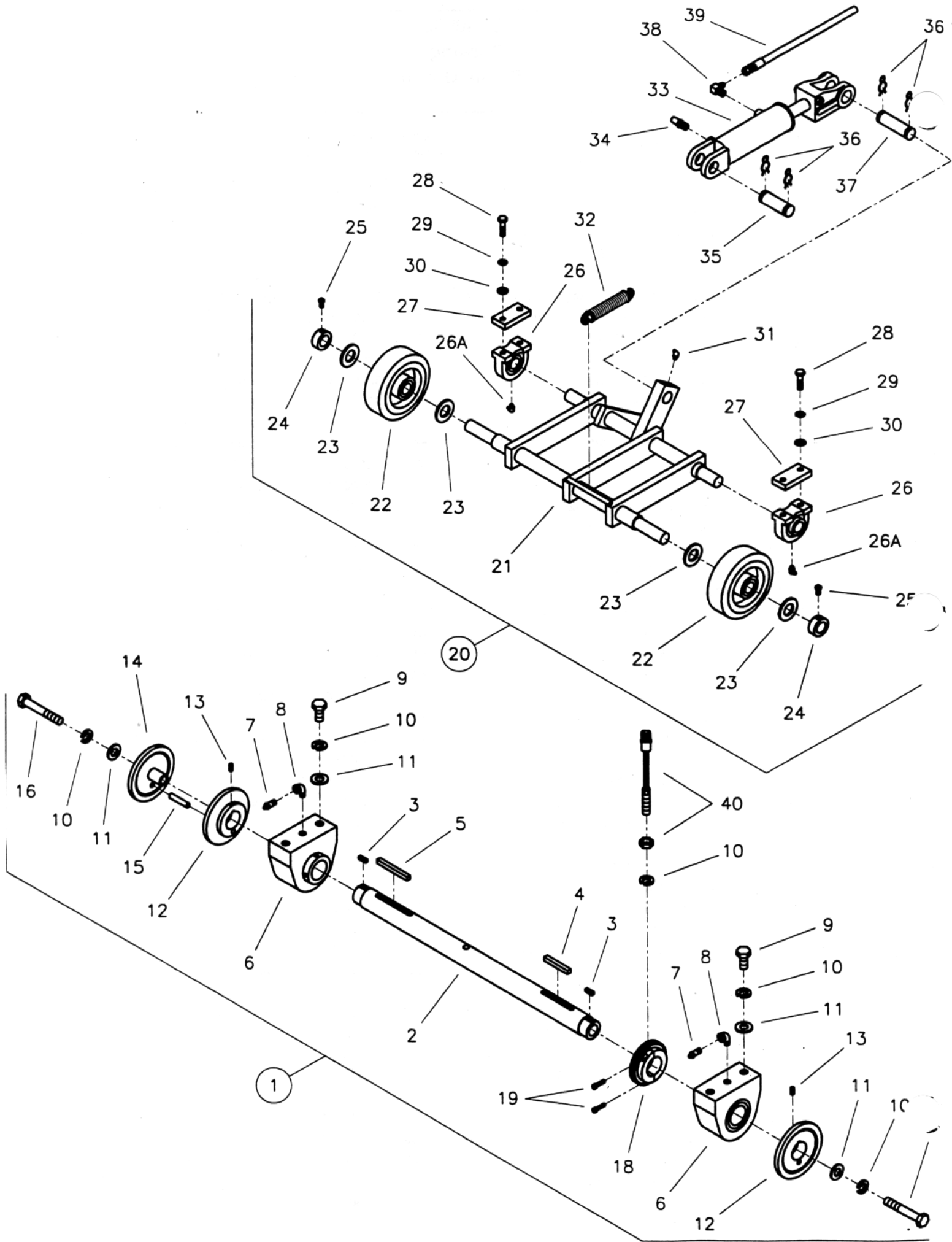
CC4030EDM Saw Controls Legend

- | | | | |
|---|--------------------------------|----|--|
| 1 | Blade Tachometer / Hour Meter | 10 | Spotlight Switch (Optional) |
| 2 | Amp Meter | 11 | Water Pump Switch (Optional) |
| 3 | Battery Charge Meter | 12 | Handle Lock Knobs |
| 4 | Motor Start Button | 13 | Speed Control Lever |
| 5 | Motor Stop Button | 14 | Lower Pushbutton |
| 6 | Depth Stop Knob | 15 | Raise Pushbutton |
| 7 | Cutting Depth Indicator | 16 | Fuel Tank Cap |
| 8 | Transmission Neutral Control | 17 | Positraction Control |
| 9 | Water Safety Switch (Optional) | 18 | Lowering Speed Metering Valve (Optional) |



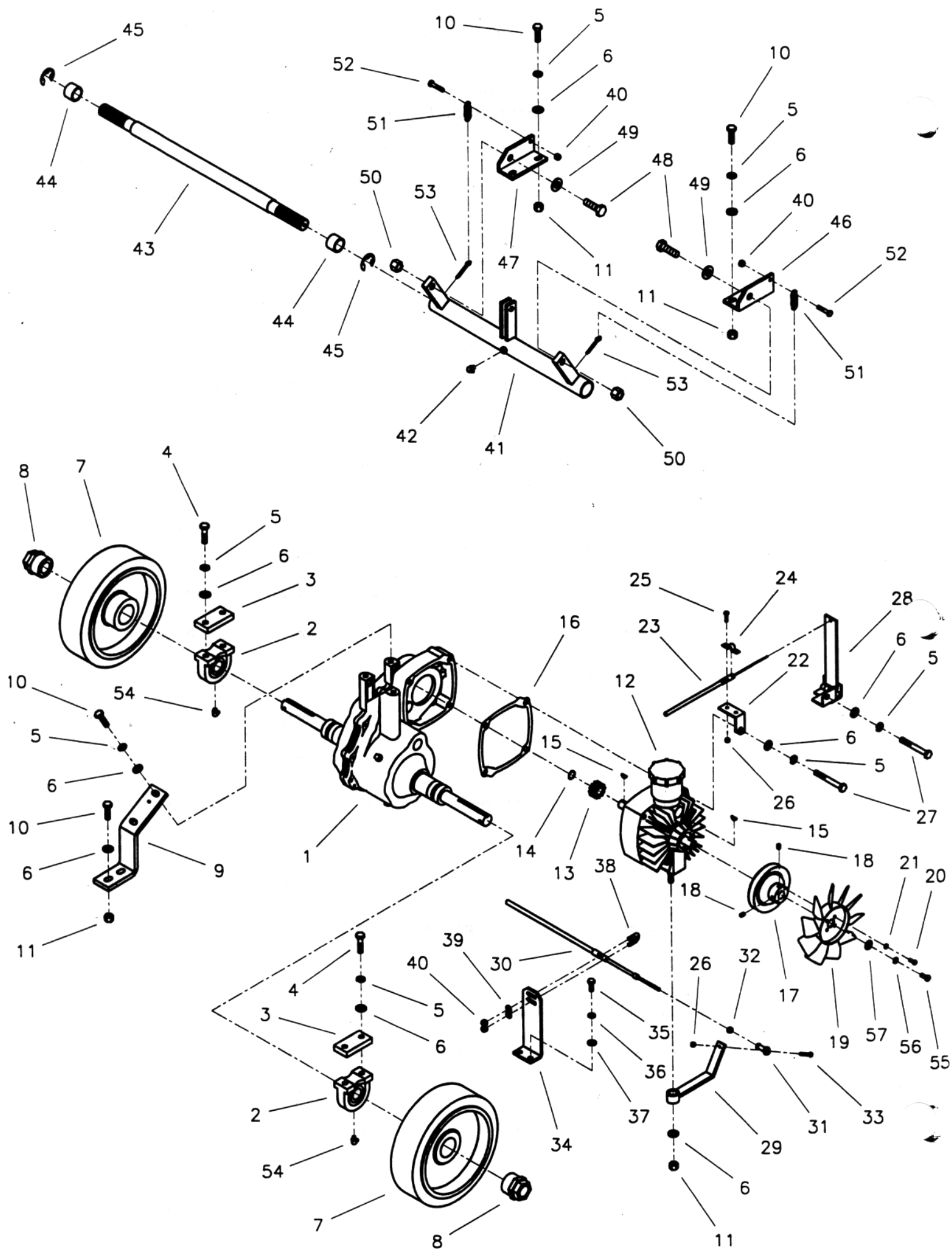
CC4000D
Drawing I
Frame Group

Diagram Number	Part No.	Qty. Req.	Description	Diagram Number	Part No.	Qty. Req.	Description
1	6011108	1	Frame Base	45	2900106	2	Capscrew, Hex Hd., 1/2"-13 x 2"
2	6011109	1	Frame Upright	46	6013052	1	Frame Lift Brace
3	2900025	4	Capscrew, Hex Hd., 1/2"-13 x 1-1/4"	47	2900013	1	Capscrew, Hex Hd., 3/8"-16 x 1-1/4"
4	2900058	10	Flat Washer, 1/2" SAE	48	2900018	3	Lock Nut, 3/8"-16 Nylon
5	2900026	10	Lock Nut, 1/2"-13 Nylon	49	6011169	1	Water Supply Tube
6	6011110	3	Guard Mounting Tab (4 Reg'd for CC4000DM)	50	3200001	1	Plug, 1/8" NPT
7	2900019	14	Capscrew, Hex Hd., 5/16"-18 x 3/4"	51	2900241	2	U-Bolt, 1/2" Pipe
8	2900031	16	Lock Washer, 5/16" Split	52	2900009	4	Flat Washer, 1/4" SAE
9	2900022	20	Flat Washer, 5/16" SAE	53	3200045	1	Pipe Tee, 1/2" NPT
10	2900039	4	Lock Nut, 5/16"-18 Nylon	54	3200008	2	Close Nipple, 1/2" NPT
11	6011111	1	Belt Guard (CC4000DM)	55	3200022	1	Fitting, 1/2" Female Pipe to 3/4" Female Garden Hose
12	2500993	1	Hinge	56	3200025	1	Filter Hose Washer
13	2900138	6	Capscrew, Hex Hd., 5/16"-18 x 1"	57	3200013	2	Street Elbow, 1/2" NPT Iron
14	2900234	3	Knob, 3/8"-16	58	3200027	2	Water Valve
15	2400145	1	Handle	59	3200155	2	Fitting, 1/2" Male Pipe to 3/4" Male Garden Hose
16	2900247	2	Capscrew, Soc. Hd., 1/4"-20 x 3/4"	60	3200173	1	Street Elbow, 1/2" NPT Steel
17	2900010	10	Lock Nut, 1/4"-20 Nylon	61	6011055	1	Hose Assembly, 30" Long
18	2501142	1	Gas Spring	62	2500211	1	Wrench, 15/16"
19	2501143	2	End Fitting, Ball Socket	63	2900154	1	Blade Shaft Lock-Pin
20	2501144	2	Mount Bracket	64	2500203	1	Grommet (2 Req'd for CC4040D)
21	2900015	8	Machine Screw, Hex Hd., #10-24 x 3/4"	65	6010014	2	Handle Bar
22	2900016	4	Flat Washer, #10 USS	66	2500636	2	Handle Grip
23	2900017	8	Lock Nut, #10-24 Nylon	67	2900430	4	Hand Lock Knob, 1/2"-13
24	2501141	1	Latch, Flexible Draw	68	6011122	1	Rear Cover Screen
25	6011118	2	Wheel Cover Plate	69	2900180	4	Machine Screw, Hex Washer Hd., 1/4"-20 x 1"
26	6011046	1	Shaft/Flange Guard, Narrow	70	1800169	1	Serial Number Plate, US
	6011187	1	Shaft/Flange Guard, Wide	71	2900096	2	Rivet, 3/32" Dia.
27	2900307	1	Wing Screw, M6 x 16mm	72	1800377	1	Serial Number Plate, CE
28	6011119	1	Sheave Cover Plate (CC4000DM)	73	2900287	2	Rivet, 1/8" Dia.
29	6011114	1	Sheave Guard (CC4000DM)	74	2500463	1	Plug, 3/4" Hole
	6011157	1	Sheave Guard (CC4000EDM)	75	6011150	1	Front Pointer Assembly
30	6011021	2	Skid Plate (1 Reg'd for CC4000DM)	76	6011151	1	Front Pointer Frame
31	2900005	8	Capscrew, Hex Hd., 3/8"-16 x 1"	77	6011152	2	Front Pointer Arm
32	2900006	7	Lock Washer, 3/8" Split	78	2900105	2	Capscrew, Hex Hd., 1/2"-13 x 2-3/4"
33	2900014	11	Flat Washer, 3/8" SAE	79	2900033	4	Hex Nut, 3/8"-16
34	6011165	2	Rear Pointer	80	2501199	1	Caster, Threaded Stem
35	2900028	2	Capscrew, Hex Hd., 3/8"-16 x 2-3/4"	81	6010009	1	Front Pointer Rod
36	2400182	2	Spring, Compression	82	2500740	1	Pointer Cap
37	6011005	1	Engine Base (CC4000D)	83	6010010	1	Pointer Cord
	6011104	1	Engine Base (CC4000DM)	84	3200221	3	Cord Clamp
38	2900104	2	Setscrew, Sq. Hd., 5/8"-11 x 6"	85	6011112	1	Belt Guard (CC4000D)
39	2900112	2	Hex Nut, 5/8"-11	86	2900156	1	Lock Pin
40	6011113	1	Jackshaft Guard (CC4000DM)	87	6011120	1	Sheave Cover Plate (CC4000D)
41	2900196	3	Capscrew, Hex Hd., 3/8"-16 x 3/4"	88	2900446	2	Swivel Pad Nut, 5/8"-11
42	2900139	2	Capscrew, Hex Hd., 1/2"-13 x 1-3/4"	89	2900057	1	Capscrew, Hex Hd., 3/8"-16 x 3-3/4"
43	2900127	2	Flat Washer, 1/2" USS	90	4600117	1	Spacer, 2-1/4" Long (CC4000EDM)
44	6011022	1	Frame Lift	91	2500549	1	Plug, 7/8" Hole
	6011158	1	Frame Lift (CC4000EDM)				



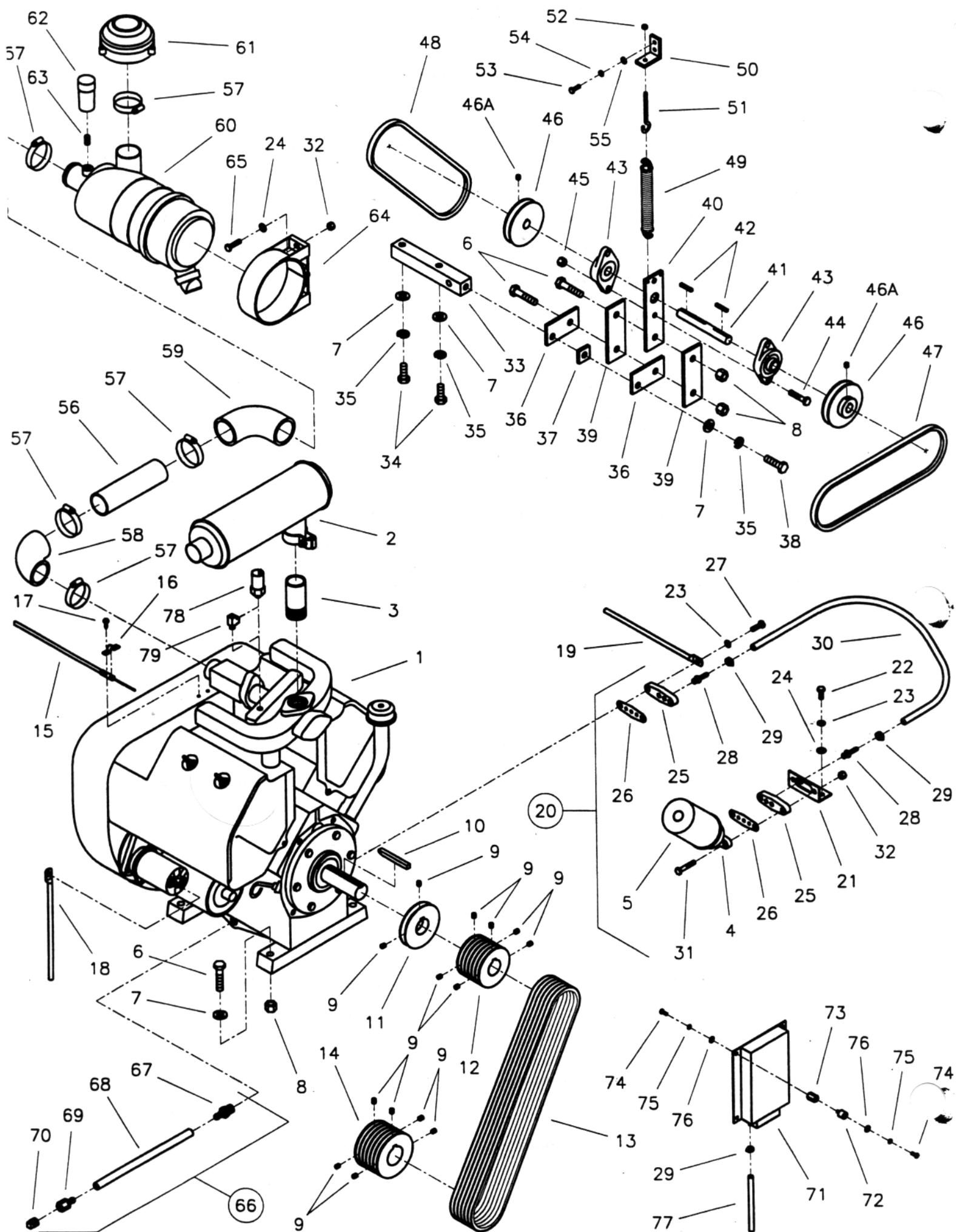
CC4000D
Drawing II
Blade Shaft and
Front Axle Group

Diagram Number	Part No.	Qty. Req.	Description	Diagram Number	Part No.	Qty. Req.	Description
1	6011180	1	Blade Shaft Assembly (Includes #2 - #19)	22	2500299	2	Wheel, 6" Front
2	6011131	1	Blade Shaft		2500906	2	(Roller Bearing and Seals Kit)
3	6010040	2	Key, 1/4" Sq. x 13/16"	23	2900295	4	Flat Washer, 1" SAE
4	6011058	1	Key, 3/8" Sq. x 2-3/4"	24	2500009	2	Set Collar, 1"
5	6012065	1	Key, 3/8" Sq. x 3-1/2"	25	2900431	2	Setscrew, Sq. Hd., 5/16"-18 x 1/2"
6	2500151	2	Blade Shaft Bearing, 1-3/4" (Includes #7)	26	2500732	2	Pillow Block Bearing, 1"
7	2900198	2	Grease Fitting, 1/8" NPT	26A	2900061	2	Grease Fitting, 1/4"-28 x 90°
8	3200355	2	Street Elbow, 1/8" NPT Galv. (CC4000DM)	27	6047904	2	Axle Bearing Spacer, 1/2"
9	2900512	4	Capscrew, Hex Hd., 5/8"-11 x 1-1/4"	28	2900029	4	Capscrew, Hex Hd., 3/8"-16 x 1-1/2"
10	2900113	7	Lock Washer, 5/8" Split	29	2900006	4	Lock Washer, 3/8" Split
11	2900002	6	Flat Washer, 5/8" SAE	30	2900014	4	Flat Washer, 3/8" SAE
12	6010255	2	Inner Flange, 5"	31	2900184	1	Grease Fitting, 1/4"-28 x 45°
13	2900418	2	Setscrew, Soc. Hd., 5/16"-18 x 5/8"	32	2500780	1	Spring, 1" Dia. x 6" Long
14	6047907	1	Outer Flange, 5" with Pin (Includes #15)	33	2500177	1	Hydraulic Cylinder
15	2900197	1	Drive Pin, 3/8" Dia. x 2"		2500278	1	(Seal Kit)
16	2900130	1	Capscrew, Hex Hd., 5/8"-11 x 4" Left Hand	34	3200067	1	Cylinder Breather, 1/4" NPT
17	2900146	1	Capscrew, Hex Hd., 5/8"-11 x 4" Right Hand	35	6010031	1	Cylinder Pin, 3"
18	6010230	1	Shaft Tach Gear, Split	36	2900064	4	Hair Pin Cotter, 3/4"
19	2900089	2	Capscrew, Soc. Hd., 1/4"-28 x 1"	37	6010119	1	Cylinder Pin, 3-1/2"
20	6011179	1	Front Axle Assembly (Includes #21 - #32)	38	3200057	1	Elbow, 1/4" Male Pipe to 1/4" Male JIC
21	6011130	1	Front Axle Weldment	39	3200054	1	Hydraulic Hose Assembly, 32" Long
				40	2800169	1	Magnetic Sensor with Wire Connector and Hex Nut



CC4000D
Drawing III
Transmission Group

Diagram Number	Part No.	Qty. Req.	Description	Diagram Number	Part No.	Qty. Req.	Description
1	2600206	1	Differential, Gear Reduction	28	6011127	1	Dump Valve Actuator
2	2500732	2	Pillow Block Bearing, 1"	29	6011123	1	Shift Lever
3	6047904	2	Axle Bearing Spacer, 1/2"	30	2501206	1	Speed Control Cable, 48" Long
4	2900029	4	Capscrew, Hex Hd., 3/8"-16 x 1-1/2"	31	2500791	1	Rod End, #10-32
5	2900006	14	Lock Washer, 3/8" Split	32	2900188	1	Hex Nut, #10-32
6	2900014	17	Flat Washer, 3/8" SAE	33	2900054	1	Machine Screw, Hex Hd., #10-24 x 1"
7	2500996	2	Wheel, 10" Rear with 1-3/4" Bore	34	6011125	1	Cable Control Bracket
8	2500867	2	Trantorque Bushing, 1"	35	2900019	2	Capscrew, Hex Hd., 5/16"-18 x 3/4"
9	6011116	1	Differential Stabilizer	36	2900031	2	Lock Washer, 5/16" Split
10	2900013	8	Capscrew, Hex Hd., 3/8"-16 x 1-1/4"	37	2900022	2	Flat Washer, 5/16" SAE
11	2900018	7	Lock Nut, 3/8"-16 Nylon	38	2500818	1	Cable Clamp, 1/4"-20
12	2600093	1	Hydrostatic Transmission (Includes #13 - #15)	39	2900009	2	Flat Washer, 1/4" SAE
	2700523	1	(Oil Reservoir Only)	40	2900010	4	Lock Nut, 1/4"-20 Nylon
13	2701814	1	Drive Gear	41	6011133	1	Positraction Shaft Housing
14	2500364	1	Retaining Ring	42	2900061	1	Grease Fitting, 1/4"-28 x 90°
15	2900068	2	Woodruff Key #404, 1/8" Wide x 1/2" Dia.	43	6011132	1	Positraction Shaft
16	2501133	1	Gasket	44	2400006	2	Bearing, 1" x 1-1/4" x 7/8"
17	6011149	1	Pulley, 4" Transmission Cup	45	2501224	2	Retaining Ring, 1" E-Style
18	2900101	2	Setscrew, Soc. Hd., 1/4"-20 x 3/8"	46	6011134	1	Mount Foot, Left Hand
19	2500519	1	Cooling Fan, 7"	47	6011135	1	Mount Foot, Right Hand
20	2900448	4	Machine Screw, Hex Hd., #10-32 x 1/2"	48	2900139	2	Capscrew, Hex Hd., 1/2"-13 x 1-3/4"
21	2900038	4	Lock Washer, #10 Split	49	2900058	2	Flat Washer, 1/2" SAE
22	6011124	1	Cable Clamp Mount	50	2900026	2	Lock Nut, 1/2"-13
23	2501140	1	Neutral Control Cable	51	2500068	2	Spring
24	2500940	1	Cable Clamp	52	2900052	2	Capscrew, Hex Hd., 1/4"-20 x 1-1/4"
25	2900015	2	Machine Screw, Hex Hd., #10-24 x 3/4"	53	2900440	2	Cotter Pin, 3/16" x 1-1/2"
26	2900017	2	Lock Nut, #10-24 Nylon	54	2900184	2	Grease Fitting, 1/4"-28 x 45°
27	2900035	4	Capscrew, Hex Hd., 3/8"-16 x 3"	55	2900023	1	Capscrew, Hex Hd., 1/4"-20 x 5/8"
				56	2900024	1	Lock Washer, 1/4" Split
				57	2900126	1	Flat Washer, 1/4" USS

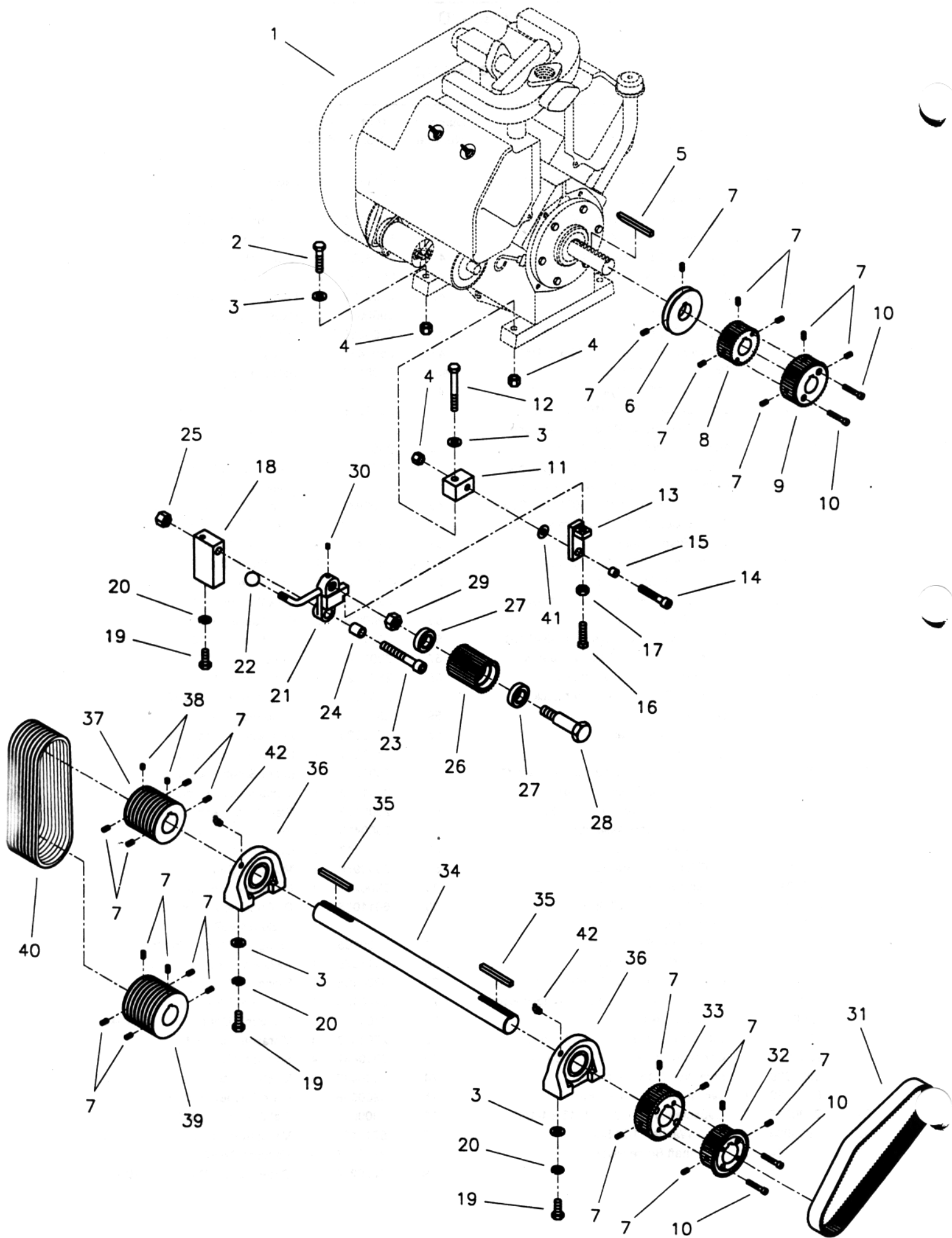


CC4000D

Drawing IV

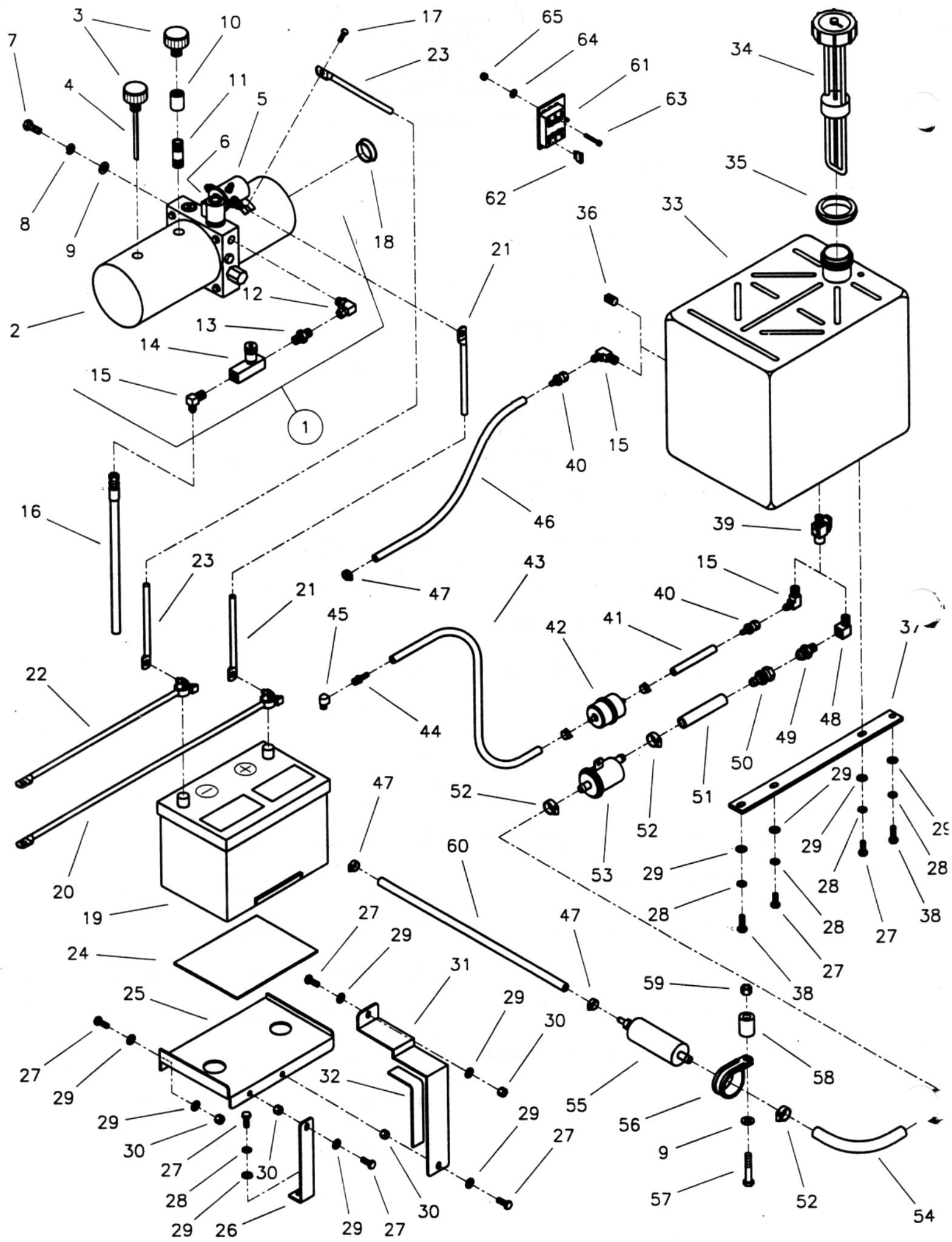
Engine Group

Diagram Number	Part No.	Qty. Req.	Description	Diagram Number	Part No.	Qty. Req.	Description
1	2600052	1	Engine, 35 Hp Wisconsin Model W4-1770 (Includes #2 - #5)	37	6011156	1	Jackshaft Spacer
	2600107	1	Engine, 40 Hp Wisconsin Model V440 (Includes #2 - #5, #71, #72)	38	2900139	1	Capscrew, Hex Hd., 3/8"-16 x 1-3/4"
2	2700491	1	Muffler, Horizontal with Clamp	39	6011155	2	Jackshaft Pivot Plate
	2700296	1	Muffler, Vertical	40	6011154	1	Jackshaft Mount Plate
3	3200151	1	Pipe Nipple	41	6013028	1	Idler Jackshaft
4	2701811	1	Oil Filter Base	42	6048229	2	Key, 3/16" Sq. x 1-1/4"
5	2701812	1	Oil Filter Cartridge	43	2500202	2	Flange Block Bearing, 3/4"
6	2900192	6	Capscrew, Hex Hd., 1/2"-13 x 2-1/4"	44	2900047	2	Capscrew, Hex Hd., 3/8"-16 x 1-3/4"
7	2900058	7	Flat Washer, 1/2" SAE	45	2900018	2	Lock Nut, 3/8"-16 Nylon
8	2900026	6	Lock Nut, 1/2"-13 Nylon	46	2500455	2	Pulley, 4" Single Groove
9	2900142	14	Setscrew, Soc. Hd., 5/16"-18 x 3/8"	46A	2900142	2	Setscrew, Soc. Hd., 5/16"-18 x 3/8"
10	6011027	1	Bevel End Key, 3/8" Sq. x 3-1/4" Long	47	2501094	1	V-Belt, 4L-330
11	6011011	1	Accessory Drive Pulley, 4" O.D.		2501216	1	V-Belt, 4L-310 for saw with Catalytic Converter Kit
12	6011008	1	Sheave, 3.65-6 Groove x 1-7/16" Bore	48	2501094	1	V-Belt, 4L-330
13	2500298	6	V-Belt, 3VX475 for 14" Blade Guard		2501217	1	V-Belt, 4L-380 for saw with Catalytic Converter Kit
	2500371	6	V-Belt, 3VX500 for 20" - 30" Blade Guards	49	2500987	1	Spring, 1" Dia. x 8" Long
	2500595	2	Banded Belt, 3VX475 - 3 Strand for 14" Blade Guard	50	6011160	1	Spring Tensioning Bracket
	2500511	2	Banded Belt, 3VX500 - 3 Strand for 20" - 30" Blade Guards	51	2900438	1	Eye Bolt, 1/4"-20 x 3"
14	6011009	1	Sheave, 3.65-6 Groove x 1-3/4" Bore for 14" Blade Guard	52	2900125	1	Hex Nut, 1/4"-20
	6012052	1	Sheave, 4.75-6 Groove with 1-3/4" QD Bushing for 20" - 30" Blade Guards	53	2900144	2	Capscrew, Hex Hd., 1/4"-20 x 3/4"
	2500367	1	(Sheave Only, 4.75-6 Groove)	54	2900024	2	Lock Washer, 1/4" Split
	2500454	1	(Bushing Only, 1-3/4" Taper-Lock with Setscrews)	55	2900009	2	Flat Washer, 1/4" SAE
15	2500376	1	Vernier Throttle Cable	56	6011182	1	Air Intake Tube, 2" O.D. x 7" Long
16	2500940	1	Throttle Cable Clamp	57	3200095	5	Hose Clamp #32
17	2900411	2	Tapscrew, Hex Washer Hd., #10 x 3/4"	58	2500221	1	Hose Elbow, 1-3/4" to 2" (CC4035D)
18	2800073	1	Battery Cable, Positive (Red)		2500171	1	Hose Elbow, 2" I.D. (CC4040D)
19	2800072	1	Battery Cable, Negative (Black)	59	2500171	1	Hose Elbow, 2" I.D.
20	6011173	1	Remote Oil Filter Assembly (Includes #21 - #32)	60	2500985	1	Air Cleaner, Complete
21	6011159	1	Oil Filter Mount Bracket		2501211	1	(Outer Primary Element)
22	2900019	2	Capscrew, Hex Hd., 5/16"-18 x 3/4"		2501212	1	(Inner Safety Element)
23	2900031	4	Lock Washer, 5/16" Split		2501213	1	(Rubber Dust Ejector Boot)
24	2900022	4	Flat Washer, 5/16" SAE	61	2500173	1	Pre-Cleaner with Clamp
25	6011192	2	Base Cover Pad	62	2500423	1	Restriction Indicator
26	2701719	2	Gasket, Oil Filter Base	63	3200117	1	Close Nipple, 1/8" NPT
27	2900138	2	Capscrew, Hex Hd., 5/16"-18 x 1"	64	2500986	1	Mounting Band
28	3200018	4	Fitting, 1/8" Male Pipe to 1/4" Hose Barb	65	2900217	2	Capscrew, Hex Hd., 5/16"-18 x 1-1/4"
29	3200062	6	Hose Clamp #4	66	6011065	1	Oil Drain Hose Assembly (Includes #67 - #70)
30	6047956	2	Oil Line Hose, 1/4" I.D. x 14" Long	67	3200165	1	Fitting, 3/8" Male Pipe to 3/8" Push Lock
31	2900538	2	Capscrew, Hex Hd., 5/16"-18 x 1-3/4"	68	6011075	1	Oil Drain Hose, 11" Long
32	2900039	4	Lock Nut, 5/16"-18 Nylon	69	3200164	1	Fitting, 3/8" Female Pipe to 3/8" Push Lock
33	6011129	1	Jackshaft Adjustment Bar	70	3200153	1	Plug, 3/8" NPT
34	2900025	2	Capscrew, Hex Hd., 1/2"-13 x 1-1/4"	71	2701876	1	Electronic Control Unit (CC4040D)
35	2900084	3	Lock Washer, 1/2" Split	72	2701877	4	Vibration Isolator Mount
36	6011164	2	Jackshaft Brace Plate	73	2900447	4	Standoff, #10-32 x 3/4"
				74	2900448	8	Machine Screw, Hex Hd., #10-32 x 1/2"
				75	2900038	8	Lock Washer, #10 Split
				76	2900016	8	Flat Washer, #10 USS
				77	6011191	1	Vacuum Hose, 3/16" I.D. x 48" Long
				78	2800386	1	Vacuum Switch
				79	3200274	1	Street Tee, 1/8" NPT (CC4040D)



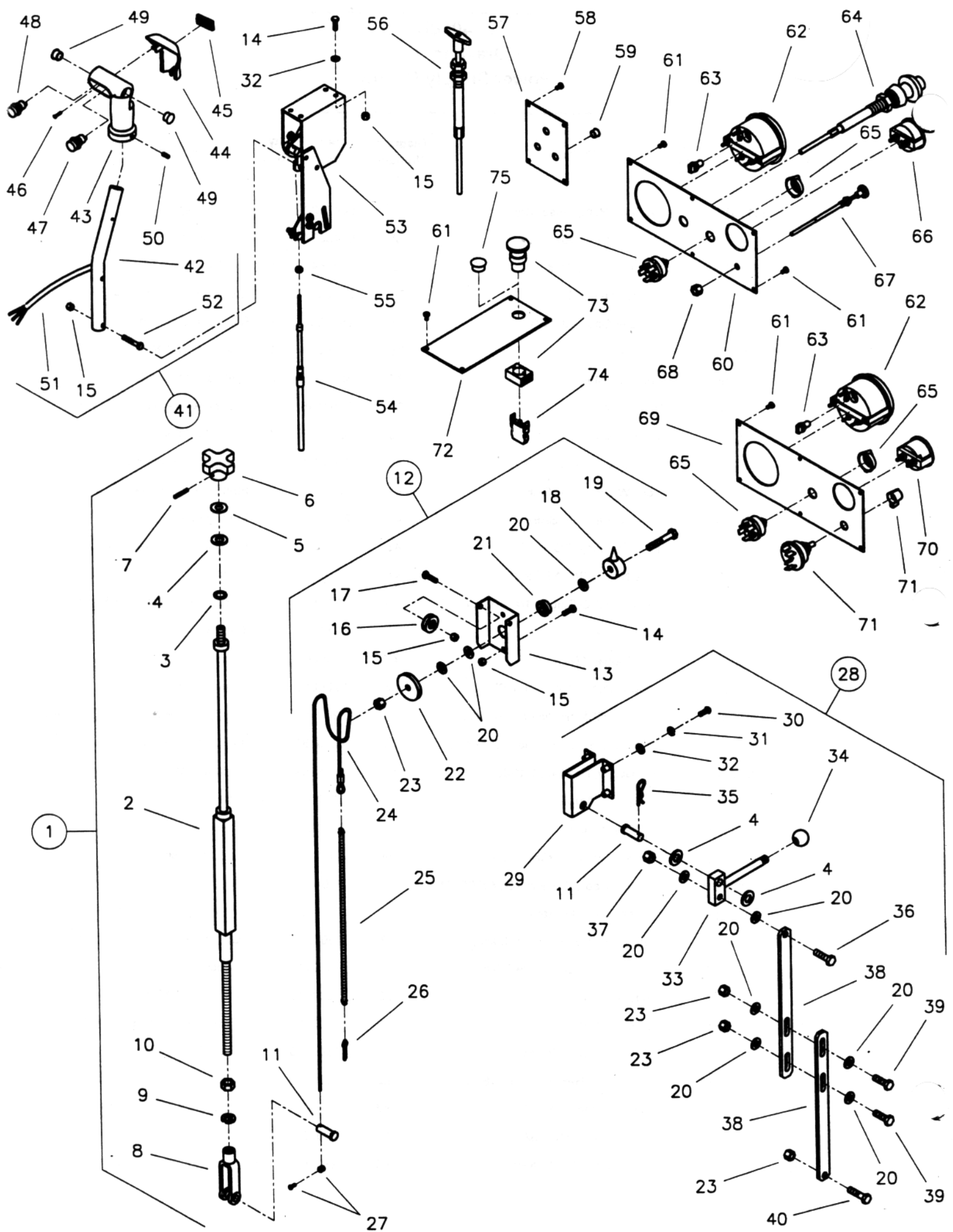
CC4000DM
Drawing V
Multi-Speed Drive Group

Diagram Number	Part No.	Qty. Req.	Description	Diagram Number	Part No.	Qty. Req.	Description
1	(REF)	1	Engine, 35 Hp Wisconsin	22	2400007	1	Knob, 1/2"-20
	(REF)	1	Engine, 40 Hp Wisconsin	23	2900437	1	Capscrew, Soc. Hd., 5/8"-11 x 4"
2	2900192	3	Capscrew, Hex Hd., 1/2"-13 x 2-1/4"	24	2501102	1	Bearing, 5/8" x 7/8" x 1"
3	2900058	8	Flat Washer, 1/2" SAE	25	2900135	1	Lock Nut, 5/8"-11 Nylon
4	2900026	5	Lock Nut, 1/2"-13 Nylon	26	6011101	1	Idler Sprocket, 30 Tooth
5	6011172	1	Bevel End Key, 3/8" Sq. x 3-3/4" Long	27	2501038	2	Bearing, 1" x 2" x 1/2"
6	6011011	1	Accessory Drive Pulley, 4" O.D.	28	6011100	1	Idler Bolt
7	2900418	24	Setscrew, Soc. Hd., 5/16"-18 x 5/8"	29	2900041	1	Hex Nut, 3/4"-10
8	6011140	1	Sprocket, 34 Tooth x 1-7/16" Bore	30	2900101	1	Setscrew, Soc. Hd., 1/4"-20 x 3/8"
9	6011142	1	Sprocket, 41 Tooth x 1-7/16" Bore	31	2501147	1	Polychain Belt, 36mm x 896mm
10	2900915	4	Capscrew, Soc Hd., 5/16"-18 x 1-3/4"	32	6011144	1	Sprocket, 38 Tooth x 1-3/4" Bore
11	6011162	1	Tensioner Mount Block	33	6011146	1	Sprocket, 45 Tooth x 1-3/4" Bore
12	2900509	1	Capscrew, Hex Hd., 1/2"-13 x 4"	34	6011106	1	Jackshaft
13	6011163	1	Tensioner Arm	35	6012065	2	Key, 3/8" Sq. x 3-1/2"
14	2900436	1	Capscrew, Soc Hd., 1/2"-13 x 2-3/4"	36	2501149	2	Pillow Block Bearing, 1-3/4"
15	2501101	1	Bearing, 1/2" x 5/8" x 1/2"	37	6011139	1	Sheave, 3.65 - 8 Groove x 1-3/4" Bore
16	2900107	1	Setscrew, Sq. Hd., 1/2"-13 x 2"	38	2900142	2	Setscrew, Soc. Hd., 5/16"-18 x 3/8"
17	2900129	1	Jam Nut, 1/2"-13	39	6010147	1	Sheave, 4.12 - 8 Groove x 1-3/4" Bore
18	6011167	1	Idler Mount Block	40	2500380	8	V-Belt, 3VX300
19	2900025	6	Capscrew, Hex Hd., 1/2"-13 x 1-1/4"		2501160	2	Banded Belt, 3VX300 - 4 Strand
20	2900084	6	Lock Washer, 1/2" Split	41	2900239	1	Friction Washer, 1/2"
21	6011161	1	Idler Arm	42	2900193	2	Grease Fitting, 1/8" NPT x 45°



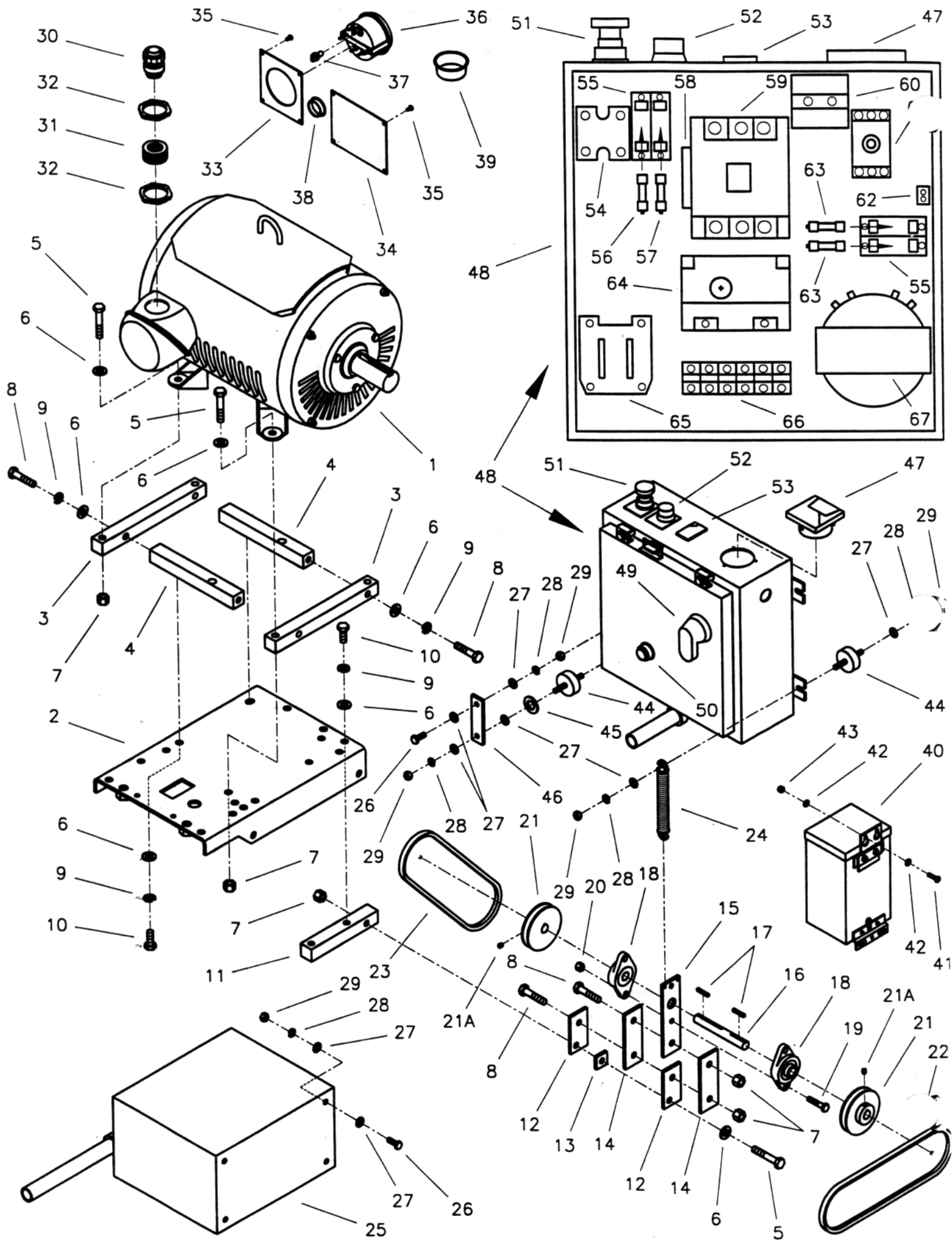
CC4000D
Drawing VI
Power Supply Group

Diagram Number	Part No.	Qty. Req.	Description	Diagram Number	Part No.	Qty. Req.	Description
1	6011077	1	Hydraulic Pump Assembly (Includes #2 - #15)	31	6047922	1	Battery Strap
2	2600070	1	Hydraulic Pump Unit (Includes #3 - #6)	32	6048077	1	Rubber Strip
3	2700321	2	Breather Cap, 3/8" NPT	33	2500648	1	Fuel Tank, 6 Gallon
4	2701815	1	Dipstick	34	2500649	1	Fuel Tank Cap with Gauge
5	2700169	1	Solenoid, Motor	35	2500205	1	Fuel Tank Grommet
6	2700243	1	Valve Coil	36	3200206	1	Pipe Plug, 1/4" NPT
	2700244	1	Valve Stem	37	6047916	2	Fuel Tank Mount Bar
7	2900005	2	Capscrew, Hex Hd., 3/8"-16 x 1"	38	2900138	4	Capscrew, Hex Hd., 5/16"-18 x 1"
8	2900006	2	Lock Washer, 3/8" Split	39	3200108	1	Fuel Shut-off Valve
9	2900014	3	Flat Washer, 3/8" SAE	40	3200091	1	Fitting, 1/4" Female JIC to 1/4" Push Lock
10	3200120	1	Pipe Coupling, 3/8" NPT	41	6010218	1	Fuel Line Hose, 1/4" I.D. x 4" Long
11	3200123	1	Pipe Nipple, 3/8" NPT x 2"	42	2500201	1	Fuel Filter with Clamps
12	3200115	1	Elbow, 3/8" O-Ring to 1/4" Female Pipe Swivel	43	6011062	1	Fuel Line Hose, 1/4" I.D. x 20" Long
13	3200060	1	Hex Nipple, 1/4" NPT	44	3200065	1	Fitting, 1/8" Male Pipe to 1/4" Push Lock
14	3200056	1	Flow Control Valve, 1/4" NPT	45	3200156	1	Street Elbow, 1/8" NPT Brass
15	3200057	2	Elbow, 1/4" Male Pipe to 1/4" Male JIC	46	6011188	1	Return Line Hose, 1/4" I.D. x 38" Long
16	3200054	1	Hydraulic Hose Assembly, 32" Long	47	3200062	3	Hose Clamp #4
17	2900144	1	Capscrew, Hex Hd., 1/4"-20 x 3/4"	48	3200012	1	Street Elbow, 1/4" NPT
18	2500554	1	Plug, 1-1/2" Hole	49	3200294	1	Fitting, 1/4" Male Pipe to 1/2" Male JIC
19	2700208	1	Battery, 12 Volt	50	3200181	1	Fitting, 1/2" Female JIC to 1/2" Push Lock
20	2800073	1	Battery Cable, Positive (Red)	51	6011189	1	Suction Hose, 1/2" I.D. x 4" Long
	2800071	1	Battery Cable, Positive (CC4000EDM)	52	3200016	3	Hose Clamp #8
21	2800095	1	Solenoid Cable (Red)	53	2701882	1	Fuel Filter, Coarse
22	2800072	1	Battery Cable, Negative (Black)	54	6011190	1	Suction Hose, 1/2" I.D. x 7" Long
23	2800182	1	Negative Ground Cable (Black)	55	2701880	1	Fuel Pump, 12 VDC
24	6010016	1	Battery Pad	56	2701881	1	Mounting Clamp, Fuel Pump
25	6047920	1	Battery Holder	57	2900079	1	Capscrew, Hex Hd., 3/8"-16 x 2-1/4"
26	6011117	1	Battery Support Brace	58	6010141	1	Spacer 1-3/8"
27	2900019	10	Capscrew, Hex Hd., 5/16"-18 x 3/4"	59	2900018	1	Lock Nut, 3/8"-16 Nylon
28	2900031	9	Lock Washer, 5/16" Split	60	6047957	1	Pressure Line Hose, 5/16" I.D. x 48" Lon
29	2900022	17	Flat Washer, 5/16" SAE	61	2800388	1	Fuse Panel, 6 Circuit
30	2900039	5	Lock Nut, 5/16"-18 Nylon	62	2800389	6	Fuse, 10 Amp Red ATO/ATC
				63	2900451	2	Capscrew, Soc. Hd., #10-24 x 1-1/4"
				64	2900016	2	Flat Washer, #10 USS
				65	2900017	2	Lock Nut, #10-24 Nylon



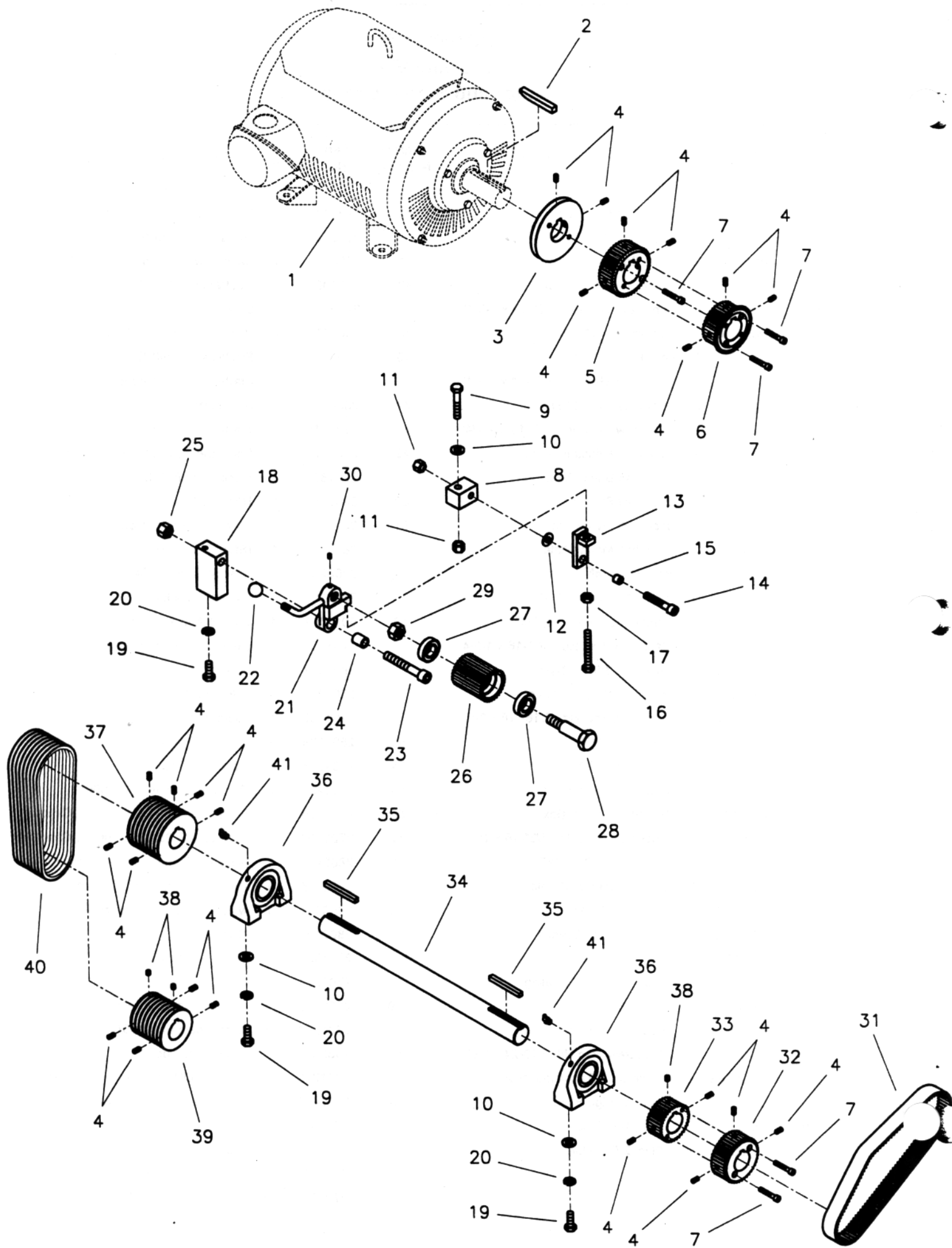
CC4000D
Drawing VII
Controls Group

Diagram Number	Part No.	Qty. Req.	Description	Diagram Number	Part No.	Qty. Req.	Description
1	6010215	1	Depth Stop Assembly (Includes #2 - #11)	40	2900029	1	Capscrew, Hex Hd., 3/8"-16 x 1-1/2"
2	6010097	1	Depth Stop Weldment	41	6011199	1	Speed Control Lever Assembly (Includes #15, #42 - #52)
3	2900133	1	Wave Washer				
4	2900058	3	Flat Washer, 1/2" SAE	42	6011198	1	Speed Control Lever Only
5	2900239	1	Friction Washer, 1/2"	43	2501280	1	Control Grip Body
6	6010095	1	Depth Stop Knob	44	2501281	1	Control Grip Cover
7	2900132	1	Roll Pin, 3/16" x 1-1/4"	45	2500644	1	Plug, Rectangular
8	2900158	1	Yoke, 1/2"-13	46	2900452	1	Screw, Oval Head, #4 x 5/8"
9	2900084	1	Lock Washer, 1/2" Split	47	2800372	1	Pushbutton Switch, Raise
10	2900037	1	Hex Nut, 1/2"-13		2800166	1	Pushbutton Switch, Raise (Older Saws)
11	2900007	2	Clevis Pin, 1/2" Dia. x 1-3/8"	48	2800373	1	Pushbutton Switch, Lower
12	6011175	1	Depth Indicator Assembly (Includes #13 - #27)		2800167	1	Pushbutton Switch, Lower (Older Saws)
13	6010092	1	Depth Indicator Mount Bracket	49	2500694	2	Plug, 5/8" Hole
14	2900144	6	Capscrew, Hex Hd., 1/4"-20 x 3/4"	50	2900453	1	Setscrew, Soc. Hd., M5 x 12mm
15	2900010	10	Lock Nut, 1/4"-20 Nylon	51	2800393	1	Wiring Harness, Hydraulic Pump
16	2500155	2	Cable Pulley, 1-1/4"	52	2900048	2	Capscrew, Hex Hd., 1/4"-20 x 1-1/2"
17	2900008	2	Capscrew, Hex Hd., 1/4"-20 x 1"	53	2501139	1	Quadco Speed Controller
18	6010091	1	Depth Indicator Pointer	54	2501206	1	Speed Control Cable, 48" Long
19	2900079	1	Capscrew, Hex Hd., 3/8"-16 x 2-1/4"	55	2900188	1	Hex Nut, #10-32
20	2900014	9	Flat Washer, 3/8" SAE	56	2501140	1	Neutral Control Cable
21	2500145	1	Flange Bearing, 3/8"	57	6010098	1	Switch Plate
22	6010093	1	Cable Pulley, 2"	58	2900445	6	Tapscrew, Flat Hd., #10-24 x 1/2"
23	2900018	4	Lock Nut, 3/8"-16 Nylon	59	2500204	3	Plug, 1/2" Hole
24	6011176	1	Depth Indicator Cable with Crimp, 52"	60	6011073	1	Gauge Panel (CC4035D)
25	2500196	1	Spring, 3/8" x 15"	61	2900021	8	Tapscrew, Pan Hd., #10-24 x 3/8"
26	2900055	1	Cotter Pin, 3/16" x 1"	62	2800168	1	Blade Shaft Tach/Hour Meter
27	2501189	1	Wire Stop Fitting with Screw	63	2800267	1	Light, Wedge Base
28	6011177	1	Engagement Lever Assembly (Includes #4, #11, #20, #23, #29 - #40)	64	2500376	1	Vernier Throttle Cable (CC4035D)
29	6011115	1	Engagement Bracket	65	2500220	1	Ignition Switch (CC4035D)
30	2900427	4	Capscrew, Button Hd., 1/4"-20 x 3/4"	66	2800271	1	Volt Meter (Newer CC4035D)
31	2900024	4	Lock Washer, 1/4" Split		2800059	1	Amp Meter (Older CC4035D)
32	2900009	8	Flat Washer, 1/4" SAE	67	2500186	1	Choke Cable (CC4035D)
33	6048057	1	Engagement Lever	68	2900148	1	Hex Nut, 3/8"-24
34	2400007	1	Knob, 1/2"-20	69	6011128	1	Gauge Panel (CC4040D)
35	2900276	1	Hair Pin Cotter, 1/2"	70	2800271	1	Volt Meter (CC4040D)
36	2900315	1	Capscrew, Hex Hd., M10 x 35mm	71	2501124	1	Engine Speed Switch (CC4040D)
37	2900304	1	Lock Nut, M10 Nylon	72	6011024	1	Hydraulic Pump Cover Plate
38	6047925	2	Linkage	73	2800213	1	Emergency Stop Button
39	2900013	2	Capscrew, Hex Hd., 3/8"-16 x 1-1/4"	74	2800229	1	Contact Block N.C.
					2800214	1	Contact Block N.O. (Older Models)
				75	2500549	1	Plug, 7/8" Hole (CC4000EDM)



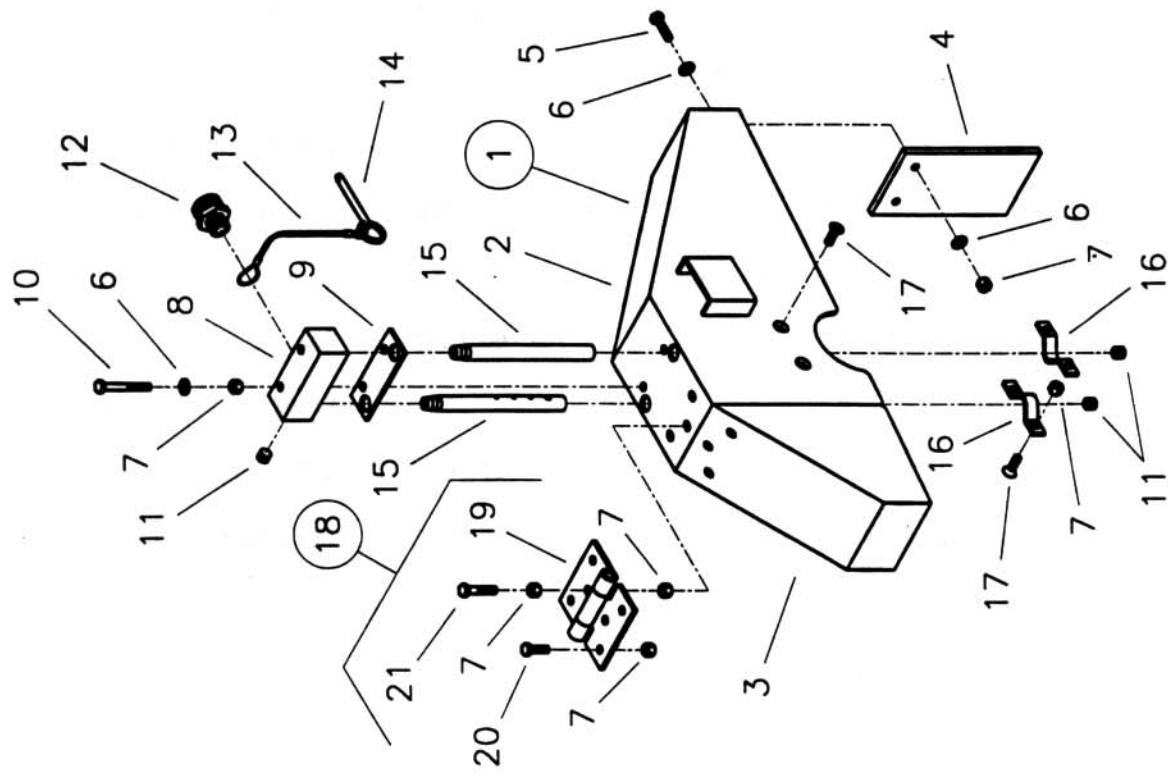
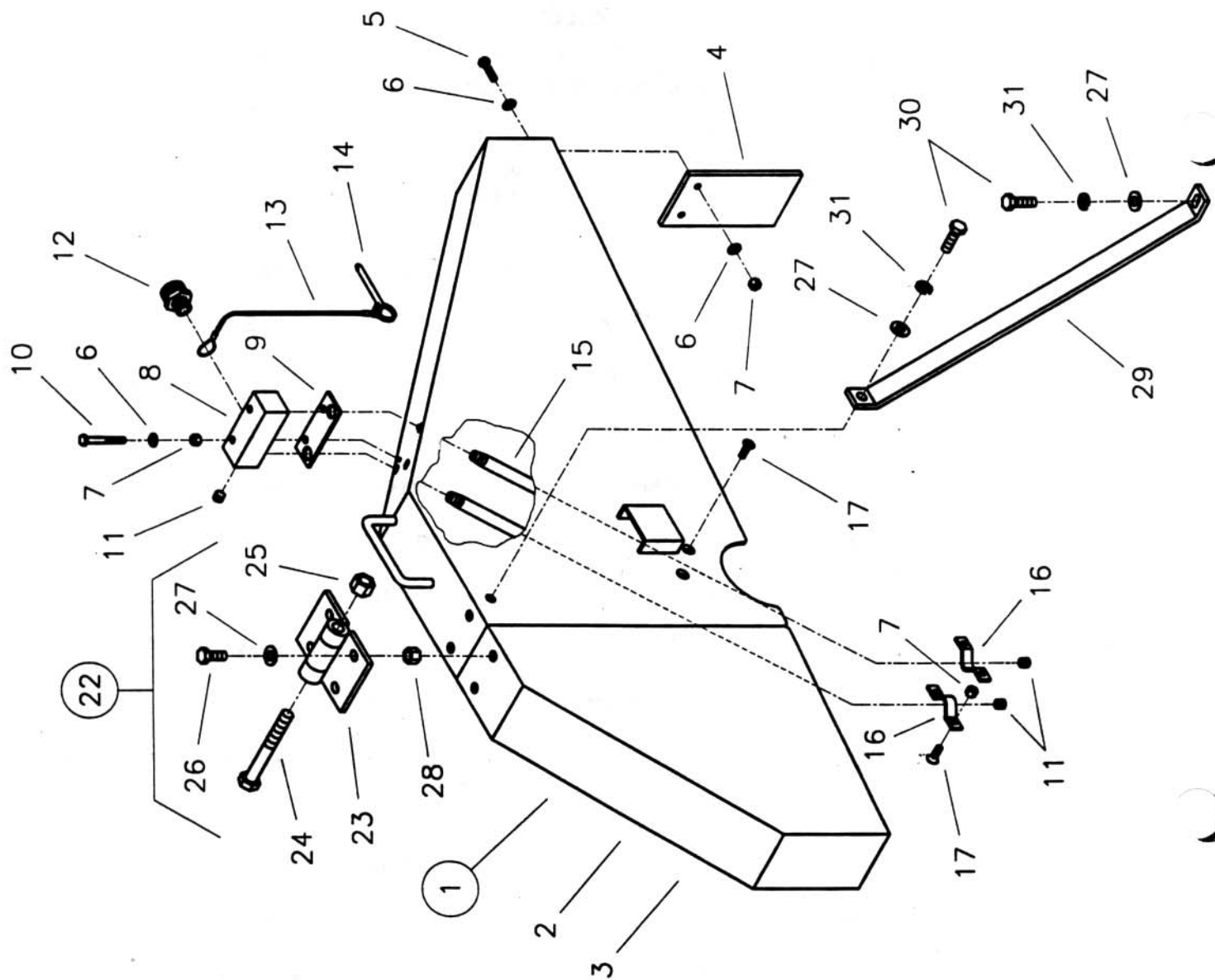
CC4000EDM
Drawing VIII
Motor and Starter Group

Diagram Number	Part No.	Qty. Req.	Description	Diagram Number	Part No.	Qty. Req.	Description
1	2600182	1	Motor, 30 Hp Lincoln	40	2701488	1	Transformer (For 575V Motor)
2	6011104	1	Engine Base		2800293	1	Transformer (For 50HZ Motor)
3	6011102	2	Motor Spacer	41	2900008	4	Capscrew, Hex Hd., 1/4"-20 x 1"
4	6011082	2	Motor Connect Spacer	42	2900009	8	Flat Washer, 1/4" SAE
5	2900105	5	Capscrew, Hex Hd., 1/2"-13 x 2-3/4"	43	2900010	4	Lock Nut, 1/4"-20 Nylon
6	2900058	13	Flat Washer, 1/2" SAE	44	2500678	4	Vibration Isolator, 3/8"-16
7	2900026	7	Lock Nut, 1/2"-13 Nylon	45	2900003	1	Flat Washer, 3/4" SAE
8	2900192	6	Capscrew, Hex Hd., 1/2"-13 x 2-1/4"	46	6011168	1	Starter Offset Mount Bar
9	2900084	8	Lock Washer, 1/2" Split	47	2800203	1	Amp Meter
10	2900025	2	Capscrew, Hex Hd., 1/2"-13 x 1-1/4"	48	2800215	1	Starter Box Assembly (Includes #49 - #67)
11	6011129	1	Jackshaft Adjustment Bar	49	2701870	1	Disconnect Handle (Red / Black)
12	6011164	2	Jackshaft Brace Plate		2701871	1	Handle Shaft Only
13	6011156	1	Jackshaft Spacer	50	2800245	1	Reset Button
14	6011155	2	Jackshaft Pivot Plate	51	6011096	1	Stop Button Assembly
15	6011154	1	Jackshaft Mount Plate		2800199	1	(Stop Button Body Only)
16	6013028	1	Idler Jackshaft		2800201	1	(Red Mushroom Cap)
17	6048229	2	Key, 3/16" Sq. x 1-1/4"		2800200	1	(Contact Block N.C.)
18	2500202	2	Flange Block Bearing, 3/4"	52	6011097	1	Start Button Assembly
19	2900047	2	Capscrew, Hex Hd., 3/8"-16 x 1-3/4"		2701390	1	(Start Button Body Only)
20	2900018	2	Lock Nut, 3/8"-16 Nylon		2800317	1	(Green Cap)
21	2500455	2	Pulley, 4" Single Groove		2800222	1	(Clear Protective Boot)
21A	2900142	2	Setscrew, Soc. Hd., 5/16"-18 x 3/8"		2701392	1	(Contact Block N.O.)
22	2501123	1	V-Belt, 4L - 360	53	2800224	1	Battery Charge Amp Meter, 12V-DC
23	2501094	1	V-Belt, 4L - 330	54	2701274	1	Rectifier Bridge
24	2500987	1	Spring, 1" Dia. x 8" Long	55	2800299	2	Dual Fuse Holder, 30A-600V
25	2700812	1	Soft Start Control Box	56	2701066	1	Fuse ATQR 10A (For Control Circuit)
26	2900005	5	Capscrew, Hex Hd., 3/8"-16 x 1"	57	2701307	1	Fuse ATMR 25A (For Battery Charger)
27	2900014	19	Flat Washer, 3/8" SAE	58	2800400	1	Auxiliary Contact, N.O. (Siemens)
28	2900006	13	Lock Washer, 3/8" Split		2800235	1	Auxiliary Contact, N.O. (Furnas)
29	2900033	13	Hex Nut, 3/8"-16	59	2800401	1	Motor Contactor (Siemens)
30	2800272	1	Connector, 1" Conduit		2800402	1	Coil, 24V-AC (Siemens)
31	2800270	1	Reducer Bushing		2701084	1	Motor Contactor (Furnas)
32	2800241	2	Lock Nut, 1-1/2" Sealing		2701294	1	Coil, 24V-AC (Furnas)
33	6010241	1	Meter Panel	60	2800248	1	Current Transformer (For AC Amp Meter)
34	6011074	1	Dash Cover Panel	61	2701267	1	Disconnect Block 80A
35	2900021	8	Tapscrew, Pan Hd., #10-24 x 3/8"	62	2800315	1	Grounding Lug
36	2800168	1	Blade Shaft Tach/Hour Meter	63	2701273	2	Fuse ATQR 4A (For Transformer)
37	2800267	1	Light, Wedge Base	64	2800403	1	Overload Relay, Range 25-100A (Siemens)
38	2500554	1	Plug, 1-1/2" Hole		2701068	1	Overload Relay, Range 30-60A (Furnas)
39	2500381	1	Plug, 2-5/8" Hole	65	2701295	1	Power Relay, 12V-DC
				66	6011098	1	Terminal Block Assembly
				67	2701299	1	Transformer, 500VA



CC4000EDM
Drawing IX
Dual Speed Drive Group

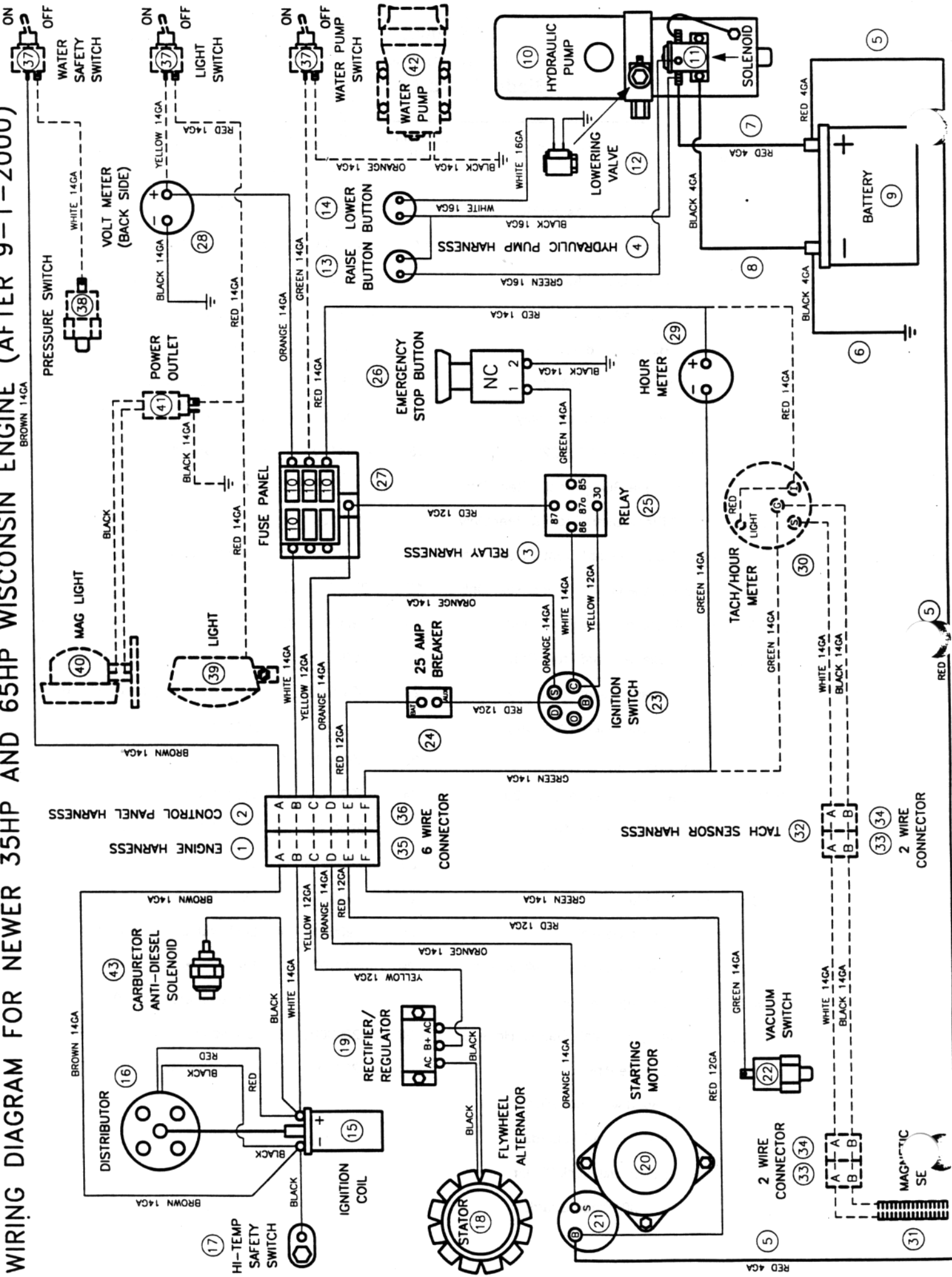
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1	(REF)	1	Motor, 30 Hp Lincoln	25	2900135	1	Lock Nut, 5/8"-11 Nylon
2	6011193	1	Bevel End Key, 1/2" Sq. x 3-3/4" Long	26	6011101	1	Idler Sprocket, 30 Tooth
3	6012019	1	Accessory Drive Pulley, 5-1/2" O.D.	27	2501038	2	Bearing, 1" x 2" x 1/2"
4	2900418	23	Setscrew, Soc. Hd., 5/16"-18 x 5/8"	28	6011100	1	Idler Bolt
5	6011147	1	Sprocket, 45 Tooth x 1-7/8" Bore	29	2900041	1	Hex Nut, 3/4"-10
6	6011145	1	Sprocket, 38 Tooth x 1-7/8" Bore	30	2900101	1	Setscrew, Soc. Hd., 1/4"-20 x 3/8"
7	2900915	6	Capscrew, Soc Hd., 5/16"-18 x 1-3/4"	31	2501147	1	Polychain Belt, 36mm x 896mm
8	6011162	1	Tensioner Mount Block	32	6011143	1	Sprocket, 41 Tooth x 1-3/4" Bore
9	2900105	1	Capscrew, Hex Hd., 1/2"-13 x 2-3/4"	33	6011141	1	Sprocket, 34 Tooth x 1-3/4" Bore
10	2900058	5	Flat Washer, 1/2" SAE	34	6011106	1	Jackshaft
11	2900026	2	Lock Nut, 1/2"-13 Nylon	35	6012065	2	Key, 3/8" Sq. x 3-1/2"
12	2900239	1	Friction Washer, 1/2"	36	2501149	2	Pillow Block Bearing, 1-3/4"
13	6011163	1	Tensioner Arm	37	6010149	1	Sheave, 4.50 - 8 Groove x 1-3/4" Bore
14	2900436	1	Capscrew, Soc Hd., 1/2"-13 x 2-3/4"				for 14"/26" Blade Guards
15	2501101	1	Bearing, 1/2" x 5/8" x 1/2"		6010147	1	Sheave, 4.12 - 8 Groove x 1-3/4" Bore
16	2900542	1	Tap Bolt, Hex Hd., 1/2"-13 x 3-1/2"				for 20"/30" Blade Guards
17	2900129	1	Jam Nut, 1/2"-13	38	2900142	3	Setscrew, Soc. Hd., 5/16"-18 x 3/8"
18	6011167	1	Idler Mount Block	39	6011139	1	Sheave, 3.65 - 8 Groove x 1-3/4" Bore
19	2900025	6	Capscrew, Hex Hd., 1/2"-13 x 1-1/4"				for 14"/26" Blade Guards
20	2900084	6	Lock Washer, 1/2" Split		6010147	1	Sheave, 4.12 - 8 Groove x 1-3/4" Bore
21	6011161	1	Idler Arm				for 20"/30" Blade Guards
22	2400007	1	Knob, 1/2"-20	40	2500380	8	V-Belt, 3VX300
23	2900437	1	Capscrew, Soc. Hd., 5/8"-11 x 4"		2501160	2	Banded Belt, 3VX300 - 4 Strand
24	2501102	1	Bearing, 5/8" x 7/8" x 1"	41	2900193	2	Grease Fitting, 1/8" NPT x 45°



CC4000D
Drawing X
Blade Guard Assembly

Diagram Number	Part No.	Qty. Req.	Description	Diagram Number	Part No.	Qty. Req.	Description
1	6010070	1	14" Blade Guard Assembly (Includes #2 - #21)	14	2900156	1	Lock Pin Only
	6010072	1	20" Blade Guard Assembly (Includes #2 - #20)	15	6048283	2	Water Tube for 14" Blade Guard
	6010074	1	26" Blade Guard Assembly (Includes #2 - #17, #22)		6010085	2	Water Tube for 20" Blade Guard
	6010076	1	30" Blade Guard Assembly (Includes #2 - #17, #22)		6010086	2	Water Tube for 26" Blade Guard
					6010087	2	Water Tube for 30" Blade Guard
				16	6048155	2	Water Tube Clamp
				17	2900020	4	Capscrew, Flat Hd., 1/4"-20 x 3/4"
				18	6048150	1	Hinge Assembly for 14" Blade Guard (Includes #7, #19 - #21)
2	6010071	1	14" Blade Guard Front & Rear Only		6010251	1	Hinge Assembly for 20" Blade Guard (Includes #7, #19, #20)
	6010073	1	20" Blade Guard Front & Rear Only				
	6010075	1	26" Blade Guard Front & Rear Only				
	6010077	1	30" Blade Guard Front & Rear Only	19	2500270	1	Hinge Only
3	6010304	1	14" Blade Guard Front Only	20	2900144	6	Capscrew, Hex Hd., 1/4"-20 x 3/4"
	6010305	1	20" Blade Guard Front Only	21	2900052	1	Capscrew, Hex Hd., 1/4"-20 x 1-1/4"
	6010306	1	26" Blade Guard Front Only	22	6010263	1	Hinge Assembly for 26"-30" Blade Guards (Includes #23 - #28)
	6010307	1	30" Blade Guard Front Only				
4	6010081	1	Splash Flap	23	6010125	1	Hinge Only
5	2900008	2	Capscrew, Hex Hd., 1/4"-20 x 1"	24	2900509	1	Capscrew, Hex Hd., 1/2"-13 x 4"
6	2900009	6	Flat Washer, 1/4" SAE	25	2900026	1	Lock Nut, 1/2"-13 Nylon
7	2900010	15	Lock Nut, 1/4"-20 Nylon	26	2900013	4	Capscrew, Hex Hd., 3/8"-16 x 1-1/4"
8	6010261	1	Manifold	27	2900014	6	Flat Washer, 3/8" SAE
9	2500830	1	Manifold Gasket	28	2900018	4	Lock Nut, 3/8"-16 Nylon
10	2900294	2	Capscrew, Hex Hd., 1/4"-20 x 2"	29	6011033	1	Blade Guard Brace for 30" Blade Guard (CC4000D Only)
11	3200001	3	Pipe Plug, 1/8" NPT				
12	3200002	1	Fitting, 3/4" Male Garden Hose to 3/8" Male Pipe	30	2900005	2	Capscrew, Hex Hd., 3/8"-16 x 1"
				31	2900006	2	Lock Washer, 3/8" Split
13	2900278	1	Lanyard with Lock Pin for 14" & 20" Blade Guards				
	2900279	1	Lanyard with Lock Pin for 26" & 30" Blade Guards				

WIRING DIAGRAM FOR NEWER 35HP AND 65HP WISCONSIN ENGINE (AFTER 9-1-2000)



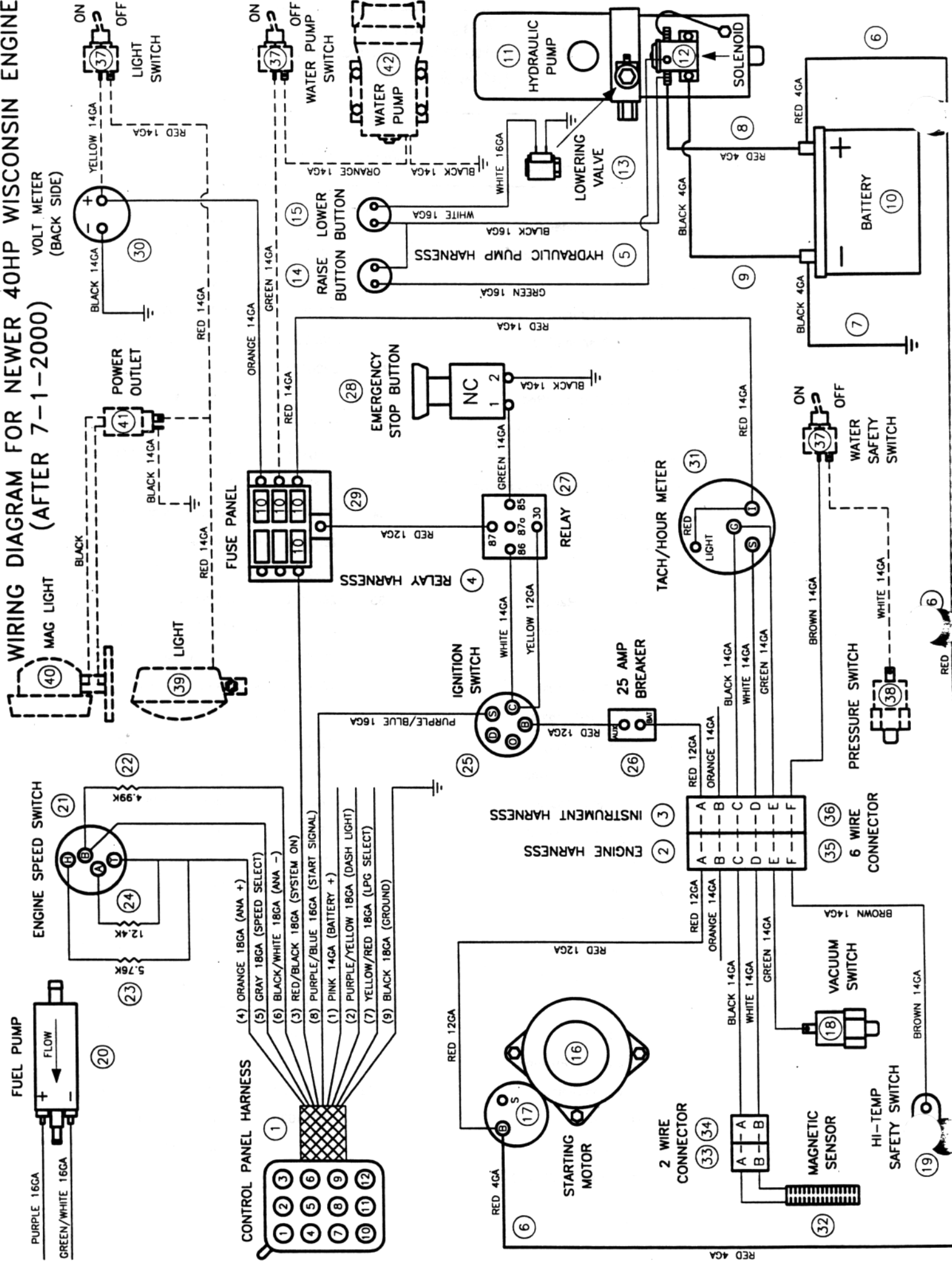
Wiring Diagram

35Hp / 65Hp Wisconsin Engine

(After 9-1-2000)

Diagram Number	Part No.	Qty. Req.	Description	Diagram Number	Part No.	Qty. Req.	Description
1	2800390	1	Engine Harness (Includes #35)	28	2800271	1	Volt Meter
2	2800391	1	Control Panel Harness (Includes #36)	29	2800064	1	Hour Meter
3	2800392	1	Relay Harness	30	2800168	1	Optional Tach/Hour Meter
4	2800393	1	Hydraulic Pump Harness		2800267	1	Light Bulb, Wedge Base
5	2800073	1	Battery Cable, Positive (Red)	31	2800169	1	Optional Magnetic Sensor (Includes #33)
6	2800072	1	Battery Cable, Negative (Black)	32	2800397	1	Optional Tach Sensor Harness
7	2800095	1	Solenoid Cable, Positive (Red)				(Includes #33 & #34)
8	2800182	1	Ground Cable, Negative (Black)	33	2800145	2	Optional Connector, 2 Wire Shroud
9	2700208	1	Battery, 12 Volt		2800114	4	Male Terminal, 14/16 Gage Wire
10	2600070	1	Hydraulic Pump Unit (Includes #11 and #12)		2800174	4	Cable Seal, Gray
11	2700169	1	Solenoid, Motor	34	2800146	2	Optional Connector, 2 Wire Tower
12	2700243	1	Valve Coil		2800115	4	Female Terminal, 14/16 Gage Wire
	2700244	1	Valve Stem		2800174	4	Cable Seal, Gray
13	2800372	1	Pushbutton Switch, Raise	35	2800110	1	Connector, 6 Wire Shroud
14	2800373	1	Pushbutton Switch, Lower		2800114	4	Male Terminal, 14/16 Gage Wire
15	2700205	1	Ignition Coil		2800112	2	Male Terminal, 12 Gage Wire
16	2701474	1	Distributor for 35HP Engine		2800174	4	Cable Seal, Gray
	2701475	1	Distributor for 65HP Engine		2800175	2	Cable Seal, Blue
17	2700299	1	High Temperature Safety Switch	36	2800111	1	Connector, 6 Wire Tower
18	2701634	1	Flywheel Alternator, 30 Amp		2800115	4	Female Terminal, 14/16 Gage Wire
19	2701023	1	Rectifier/Regulator Module		2800113	2	Female Terminal, 12 Gage Wire
20	2700247	1	Starting Motor (Includes #21)		2800174	4	Cable Seal, Gray
21	2700282	1	Solenoid Switch		2800175	2	Cable Seal, Blue
22	2800386	1	Vacuum Switch	37	2800062	3	Optional Toggle Switch
23	2500220	1	Ignition Switch		2800063	3	Switch Boot
24	2800387	1	Circuit Breaker, 25 Amp	38	2800060	1	Optional Water Pressure Safety Switch
	2800364	1	Circuit Breaker Boot, Red	39	2500194	1	Optional Spot Light, 12 Volt
25	2800144	1	Relay	40	2501087	1	Optional Magnetic Base Light, 12 Volt
	2800263	1	Relay Connector	41	2800374	1	Optional Power Outlet, 12 Volt
	2800264	4	Wire Terminal, 1/4" Push-on		2800375	1	Outlet Cap
26	2800213	1	Emergency Stop Button	42	2600200	1	Optional Water Pump, Diaphragm
	2800229	1	Contact Block N.C.	43	2701030	1	Anti-Diesel Solenoid Valve
27	2800388	1	Fuse Panel, 6 Circuit				for 65HP Engine Only
	2800389	6	Fuse, 10 Amp Red ATO/ATC				

WIRING DIAGRAM FOR NEWER 40HP WISCONSIN ENGINE
(AFTER 7-1-2000)



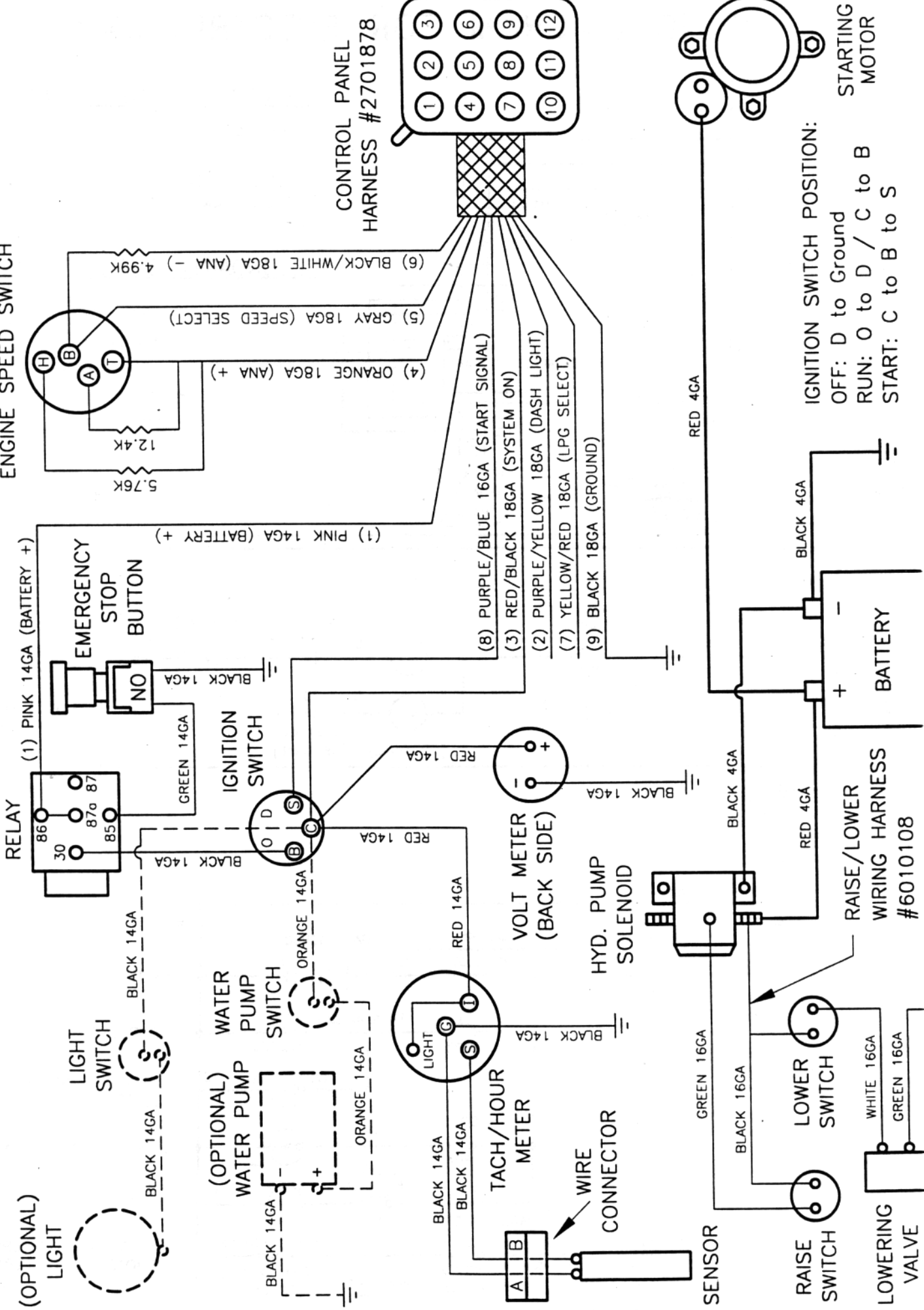
Wiring Diagram

40Hp Wisconsin Engine

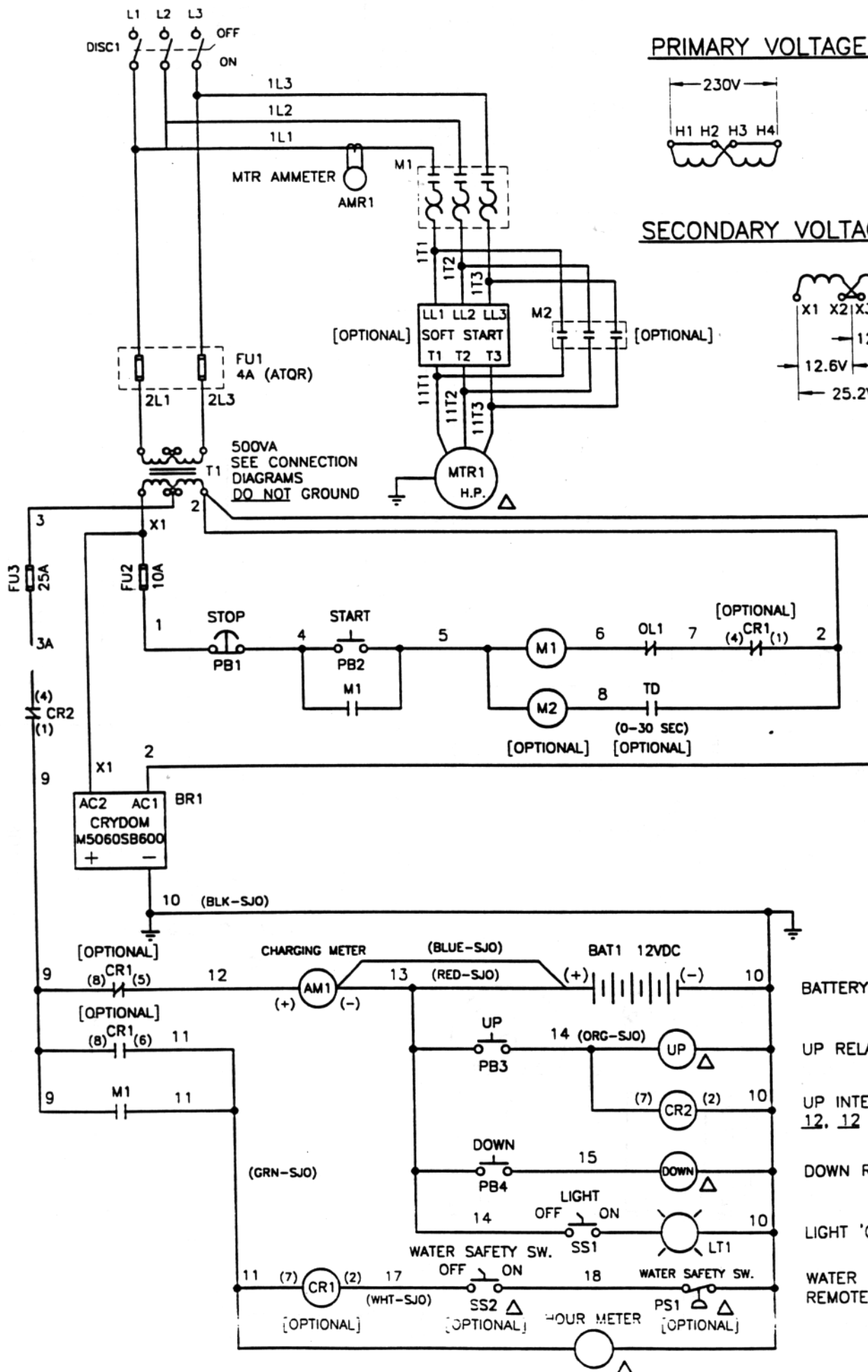
(Ater 7-1-2000)

Diagram Number	Part No.	Qty. Req.	Description	Diagram Number	Part No.	Qty. Req.	Description
1	2701878	1	Control Panel Harness	28	2800213	1	Emergency Stop Button
	2701879	1	Seal, Blue Rubber Connector		2800229	1	Contact Block N.C.
2	2800394	1	Engine Harness (Includes #35)	29	2800388	1	Fuse Panel, 6 Circuit
3	2800395	1	Instrument Harness (Includes #36)		2800389	6	Fuse, 10 Amp Red ATO/ATC
4	2800392	1	Relay Harness	30	2800271	1	Volt Meter
5	2800393	1	Hydraulic Pump Harness	31	2800168	1	Tach/Hour Meter
6	2800073	1	Battery Cable, Positive (Red)		2800267	1	Light Bulb, Wedge Base
7	2800072	1	Battery Cable, Negative (Black)	32	2800169	1	Magnetic Sensor (Includes #33)
8	2800095	1	Solenoid Cable, Positive (Red)	33	2800145	1	Connector, 2 Wire Shroud
9	2800182	1	Ground Cable, Negative (Black)		2800114	2	Male Terminal, 14/16 Gage Wire
10	2700208	1	Battery, 12 Volt		2800174	2	Cable Seal, Gray
11	2600070	1	Hydraulic Pump Unit (Includes #12 and #13)	34	2800146	1	Connector, 2 Wire Tower
12	2700169	1	Solenoid, Motor		2800115	2	Female Terminal, 14/16 Gage Wire
13	2700243	1	Valve Coil		2800174	2	Cable Seal, Gray
	2700244	1	Valve Stem	35	2800110	1	Connector, 6 Wire Shroud
14	2800372	1	Pushbutton Switch, Raise		2800114	5	Male Terminal, 14/16 Gage Wire
	2800166	1	Pushbutton Switch, Raise (Older Saws)		2800112	1	Male Terminal, 12 Gage Wire
15	2800373	1	Pushbutton Switch, Lower		2800174	5	Cable Seal, Gray
	2800167	1	Pushbutton Switch, Lower (Older Saws)		2800175	1	Cable Seal, Blue
16	2700247	1	Starting Motor (Includes #17)	36	2800111	1	Connector, 6 Wire Tower
17	2700282	1	Solenoid Switch		2800115	5	Female Terminal, 14/16 Gage Wire
18	2800386	1	Vacuum Switch		2800113	1	Female Terminal, 12 Gage Wire
19	2700299	1	High Temperature Safety Switch		2800174	5	Cable Seal, Gray
20	2701880	1	Fuel Pump, 12 VDC Electric		2800175	1	Cable Seal, Blue
21	2501124	1	Engine Speed Switch	37	2800062	3	Optional Toggle Switch
22	2800273	1	Resistor, 4.99K OHM		2800063	3	Switch Boot
23	2800274	1	Resistor, 5.76K OHM	38	2800060	1	Optional Water Pressure Safety Switch
24	2800275	1	Resistor, 12.4K OHM	39	2500194	1	Optional Spot Light, 12 Volt
25	2500220	1	Ignition Switch	40	2501087	1	Optional Magnetic Base Light, 12 Volt
26	2800387	1	Circuit Breaker, 25 Amp	41	2800374	1	Optional Power Outlet, 12 Volt
	2800364	1	Circuit Breaker Boot, Red		2800375	1	Outlet Cap
27	2800144	1	Relay	42	2600200	1	Optional Water Pump, Diaphragm
	2800263	1	Relay Connector				
	2800264	4	Wire Terminal, 1/4" Push-on				

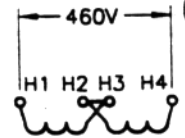
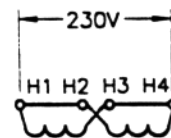
WIRING DIAGRAM FOR OLDER 40HP WISCONSIN ENGINE (PRIOR TO 7-1-2000)



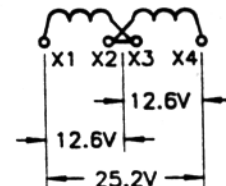
WIRING DIAGRAM FOR ELECTRIC SAW



PRIMARY VOLTAGE CONNECTIONS



SECONDARY VOLTAGE CONNECTION



MOTOR STARTER M1
4, 12, 19

MOTOR STARTER M2
4 [OPTIONAL]

BATTERY

UP RELAY - REMOTE

UP INTERLOCK RELAY - REMOTE
12, 12

DOWN RELAY - REMOTE

LIGHT 'ON' - REMOTE [OPTIONAL]

WATER SAFETY INTERLOCK - REMOTE
17, 18 [OPTIONAL]

GOVERNOR SETTING

Wisconsin Engine Model W4-1770 35 HP

GOVERNOR ADJUSTMENT (Fig. 16, Fig. 17) — The governor rod connection to the carburetor must be very carefully adjusted for length, otherwise the governor will not function properly and cause the engine to surge badly. With the engine at rest, the governor spring will keep the flyweights *in*, and the control rod must be of such length as to hold the carburetor throttle wide open at that point.

With the *control rod* disconnected from the *governor lever*, as illustrated in Fig. 16, push the rod toward the carburetor as far as it will go. This will put the *carburetor throttle lever* in a wide open position. The governor lever should then be moved as far as possible in the same direction. Holding both parts in the above position, the rod should be screwed in or out of the *swivel block* on the carburetor, until the bent end of the rod will register with *hole* in lever, then screw rod in one more turn. The extra turn will shorten the linkage slightly and will enable the carburetor throttle lever to bounce back from the stop pin rather than jam against the pin, when a load is suddenly applied to an idling engine. This will eliminate excessive wear on the threads in the carburetor throttle swivel block.



Fig. 16

GOVERNOR LEVER — The governor lever, Fig. 17, is furnished with 12 holes for attaching the governor spring. It is very important that the spring is hooked into the proper hole to suit the speed at which the engine is to be operated. The Governor Lever Chart shows the full load and no load speeds of the engine and the hole corresponding thereto, for either a fixed speed, a variable speed or two speed (over-center idle control) governor. Note that the *full load* speed is less than the *no load* speed and this must be taken into consideration when readjusting the governor. As an example: if the engine is to be operated at 2000 revolutions per minute under load, the spring should be hooked into the 8th hole in the governor lever and the spring tension adjusted, by means of the adjusting screw, to run 2230 RPM under no load. The speed at full load will then be approximately 2000 revolutions per minute.

A tachometer or revolution counter should be used against the crankshaft to check speed while adjusting the governor spring tension. Tightening the adjusting screw locknut will give higher speeds, while loosening the locknut will lower the spring tension and reduce the RPM.

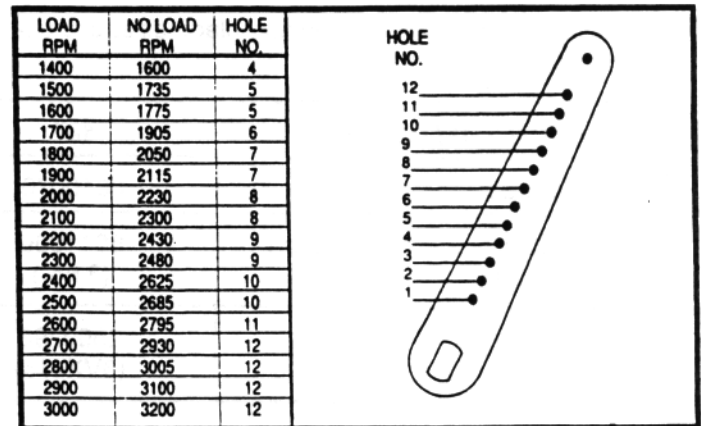


Fig. 17

Blade / Engine Speed (RPM) Chart Model CC4035D and CC4040D (Single Speed Drive)

WARNING: Do not exceed Bladeshaft speed (RPM) shown for each blade size. Excessive Blade Speed could result in blade breakage and serious personal injury.

Blade Size	Max Depth of Cut
14"	4-3/8"
20"	7-3/8"
26"	10-3/8"
30"	12-3/8"

Blade Size	Bladeshaft		Engine		Governor Setting *	Engine Switch +
	No Load RPM	Sheave Size	No Load RPM	Sheave Size		
14"	3,000	3.65"	3,000	3.65"	12	Run 3
20"	2,300	4.75"	3,000	3.65"	12	Run 3
26"	1,925	4.75"	2,500	3.65"	9	Run 2
30"	1,700	4.75"	2,200	3.65"	8	Run 1

* For CC4035D Only (35HP Wisconsin Engine)

+ For CC4040D Only (40HP Wisconsin Engine)

CAUTION: When changing blade size, use chart shown below for selecting items that must be changed.

Model CC4035D / CC4040D	14"	20"	26"	30"
Blade Guard Assembly	6010070	6010072	6010074	6010076
Bladeshaft Sheave, 1-3/4" Bore (Sheave Size)	6011009 (3.65")	6012052 (4.75")	6012052 (4.75")	6012052 (4.75")
Drive Belts (6) (Belt Size)	2500298 (3VX475)	2500371 (3VX500)	2500371 (3VX500)	2500371 (3VX500)

Options Available:

- #6011032 Water Pump Kit - includes 12 Volt Pump, Toggle Switch, Hose and Fittings.
- #6010112 Spotlight Kit - includes 12 Volt Light, Mounting Bar and Bracket, Lock Knobs, Toggle Switch.
- #2700296 Vertical Muffler Kit - includes Muffler, Clamp and Rain Cap.
- #6047932 Water Safety Switch Kit - includes Safety Shut-off Switch and Toggle Switch.
- #6010227 Lowering Speed Metering Valve Kit - includes Metering Valve, Check Valve, Hydraulic Hose & Fittings.
- #6011170 Magnetic Spotlight Kit - includes 12 Volt Light with Magnetic Base, Power Outlet, Toggle Switch.
- #6011171 Catalytic Converter Kit - includes Catalytic Muffler, Air Pump, Belts, Hoses, Mounting Brackets and Hardware.
- #6011185 Extended Bladeshaft Kit (3/4" to 1-1/2") - includes 5" Extended Outer Flange, Bolt, 20" Extra Wide Blade Guard.
- #6011186 Extended Bladeshaft Kit (1-1/2" to 2-1/4") - includes Shaft Extension, 5" Outer Flange, Nut, 20" Extra Wide Blade Guard.

Blade / Engine Speed (RPM) Chart Model CC4030EDM Concrete Saw

WARNING: Do not exceed Bladeshaft speed (RPM) shown for each blade size. Excessive Blade Speed could result in blade breakage and serious personal injury.

Blade Size	Max Depth of Cut
14"	4-3/8"
20"	7-3/8"
26"	10-3/8"
30"	12-3/8"

Blade Size	Bladeshaft		Motor	Jackshaft	Belt Position
	No Load RPM	Sheave Size	No Load RPM	Sheave Size	
14"	2,925	3.65"	1,800	4.50"	NEAR
20"	2,375	4.12"	1,800	4.12"	NEAR
26"	2,050	3.65"	1,800	4.50"	AWAY
30"	1,675	4.12"	1,800	4.12"	AWAY

CAUTION: When changing blade size, use chart shown below for selecting items that must be changed.

Model CC4030EDM	14"	20"	26"	30"
Blade Guard Assembly	6010070	6010072	6010074	6010076
Jackshaft Sheave, 1-3/4" Bore (Sheave Size)	6010149 (4.50")	6010147 (4.12")	6010149 (4.50")	6010147 (4.12")
Bladeshaft Sheave, 1-3/4" Bore (Sheave Size)	6011139 (3.65")	6010147 (4.12")	6011139 (3.65")	6010147 (4.12")

Options Available:

- #6011032 Water Pump Kit - includes 12 Volt Pump, Toggle Switch, Hose and Fittings.
- #6010112 Spotlight Kit - includes 12 Volt Light, Mounting Bar and Bracket, Lock Knobs, Toggle Switch.
- #6047932 Water Safety Switch Kit – includes Safety Shut-off Switch and Toggle Switch.
- #6010227 Lowering Speed Metering Valve Kit - includes Metering Valve, Check Valve, Hydraulic Hose & Fittings.
- #6010228 Soft Start Controller Kit – includes Controller Assembly Box and Wiring.
- #6011170 Magnetic Spotlight Kit – includes 12 Volt Light with Magnetic Base, Power Outlet, Toggle Switch.
- #6011185 Extended Bladeshaft Kit (3/4" to 1-1/2") – includes 5" Extended Outer Flange, Bolt, 20" Extra Wide Blade Guard.
- #6011186 Extended Bladeshaft Kit (1-1/2" to 2-1/4") – includes Shaft Extension, 5" Outer Flange, Nut, 20" Extra Wide Blade Guard.

EQUIPMENT AND PARTS WARRANTY

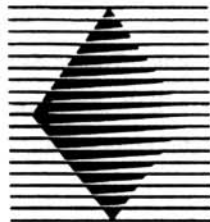
Diamond Products warrants all equipment manufactured by it against defects in workmanship or materials for a period of one (1) year from the date of shipment to Customer.

The responsibility of Diamond Products under this Warranty is limited to replacement or repair of defective parts at Diamond Products' Elyria, Ohio factory, or at a point designated by it, of such parts as shall appear to us upon inspection at such point, to have been defective in material or workmanship, with expense for transportation and labor borne by Customer.

In no event shall Diamond Products be liable for consequential or incidental damages arising out of the failure of any Product to operate properly.

Integral units such as engines, electric motors, batteries, transmissions, etc., are excluded from this Warranty and are subject to the prime manufacturer's warranty.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND ALL SUCH OTHER WARRANTIES ARE HEREBY DISCLAIMED.



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