



REVISED STARTING  
SERIAL # 161210298

## PARTS LIST MANUAL MODEL CPM8



**GASOLINE MODEL**



**ELECTRIC MODEL**

### 8" WALK BEHIND SCARIFIERS

SKU #	MODEL #	POWER OPTION
79300	CPM8-9H	HONDA GASOLINE ENGINE MODEL GX270
79500	CPM8-5B/230/1	BALDOR ELECTRIC MOTOR 5HP 60Hz 1PH 230V
79400-230	CPM8-5B/230/3	BALDOR ELECTRIC MOTOR 5HP 60Hz 3PH 230V
79400-460	CPM8-5B/460/3	BALDOR ELECTRIC MOTOR 5HP 60Hz 3PH 460V
79400-50/220	CPM8-5B/50/220/3	BALDOR ELECTRIC MOTOR 5HP 50Hz 3PH 220V
79400-50/380	CPM8-5B/50/380/3	BALDOR ELECTRIC MOTOR 5HP 50Hz 3PH 380V
79400-50/440	CPM8-5B/50/440/3	BALDOR ELECTRIC MOTOR 5HP 50Hz 3PH 440V



### EQUIPMENT DEVELOPMENT COMPANY, INC.

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## READ AND UNDERSTAND THE OPERATORS INSTRUCTION MANUAL THOROUGHLY BEFORE ATTEMPTING TO OPERATE THIS EQUIPMENT.



**Death or serious injury could occur if this machine is used improperly.**



### SAFETY MESSAGES

- Safety Instructions are preceded by a graphic alert symbol of DANGER, WARNING, or CAUTION.



Indicates an imminent hazard which, if not avoided, will result in death or serious injury.



Indicates an imminent hazard which, if not avoided, can result in death or serious injury.



Indicates hazards which, if not avoided, could result in serious injury and or damage to the equipment.

### GASOLINE/PROPANE POWERED EQUIPMENT



- Engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.



- Gasoline is extremely flammable and poisonous. It should only be dispensed in well ventilated areas, and with a cool engine.

- Small gasoline engines produce high concentrations of carbon monoxide (CO) example: a 5 HP 4 cycle engine operation in an enclosed 100,000 cu. ft. area with only one change of air per hour is capable of providing deadly concentrations of CO in less than fifteen minutes. Five changes of air in the same area will produce noxious fumes in less than 30 minutes. Gasoline or propane powered equipment should not be used in enclosed or partially enclosed areas. Symptoms of CO poisoning include, headache, nausea, weakness, dizziness, visual problems and loss of consciousness. If symptoms occur - get into fresh air and seek medical attention immediately.

### ELECTRICAL POWERED EQUIPMENT



Extreme care must be taken when operating electric models with water present: Ensure power cord is properly grounded, is attached to a Ground-Fault-Interrupter (GFI) outlet, and is undamaged.

- Check all electrical cables - be sure connections are tight and cable is continuous and in good condition. Be sure cable is correctly rated for both the operating current and voltage of this equipment.
- Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with qualified electrician or service person if there is any doubt as to whether the outlet is properly grounded. Adhere to all local codes and ordinances.
- NOTE:** In the event of a malfunction or breakdown, grounding provides a path of least resistance for the electric current to dissipate. The motor is equipped with a grounded plug and must be connected to an outlet that is properly installed and properly grounded. DO NOT modify the plug provided on the motor. If the plug does not fit the outlet have a qualified electrician install the proper receptacle.
- Switch motor OFF before disconnecting power.

- Do not disconnect power by pulling cord. To disconnect, grasp the plug, not the cord.
- Unplug power cord at the machine when not in use and before servicing.

### GENERAL INSTRUCTIONS

- Equipment should only be operated by trained personnel in good physical condition and mental health (not fatigued). The operator and maintenance personnel must be physically able to handle the bulk weight and power of this equipment.
- This is a one person tool. Maintain a safe operating distance to other personnel. It is the **operators' responsibility** to keep other people (workers, pedestrians, bystanders, etc.) away during operation. Block off the work area in all directions with roping, safety netting, etc. for a safe distance. Failure to do so may result in others being injured by flying debris or exposing them to harmful dust and noise.
- This equipment is intended for commercial use only.
- For the operator's safety and the safety of others, always keep all guards in place during operation.
- Never let equipment run unattended.



- Personal Protection Equipment and proper safety attire must be worn when operating this machinery. The operator must wear approved safety equipment appropriate for the job such as hard hat and safety shoes when conditions require. Hearing protection **MUST** be used (operational noise levels of this equipment may exceed 85db). Eye protection **MUST** be worn at all times.



- Keep body parts and loose clothing away from moving parts. Failure to do so could result in dismemberment or death.

- Do not modify the machine.
- Stop motor/engine when adjusting or servicing this equipment.
- Maintain a safe operating distance from flammable materials. Sparks from the cutting-action of this machine can ignite flammable materials or vapors.

### DUST WARNING



Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects, or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints, and
- Crystalline silica from bricks and concrete and other masonry products.

Your risk of exposure to these chemicals varies depending on how often you do this type of work. To reduce your risk: work in a well ventilated area, use a dust control system, such as an industrial-style vacuum, and wear approved personal safety equipment, such as a dust/particle respirator designed to filter out microscopic particles.

# PARTS LIST MANUAL

## MODEL CPM8

### 8" WALK BEHIND SCARIFIER

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#### HOW TO ORDER REPLACEMENT PARTS

- ☐ To insure product safety and reliability, always use genuine EDCO replacement parts when making repairs to the equipment.
- ☐ When calling for parts, specify the MODEL and SERIAL number of the machine, which can be found on the NAME PLATE. Keep that information in the space provided. In addition to this information, give part number, description, and quantity as listed on the parts list to your parts representative.
- ☐ Please note: Due to improvements and changes in the equipment, the illustrations shown may be different than the actual machine.

#### FILL IN INFORMATION BELOW

Date of Purchase \_\_\_\_\_

Model # \_\_\_\_\_

Serial # \_\_\_\_\_

SKU # \_\_\_\_\_



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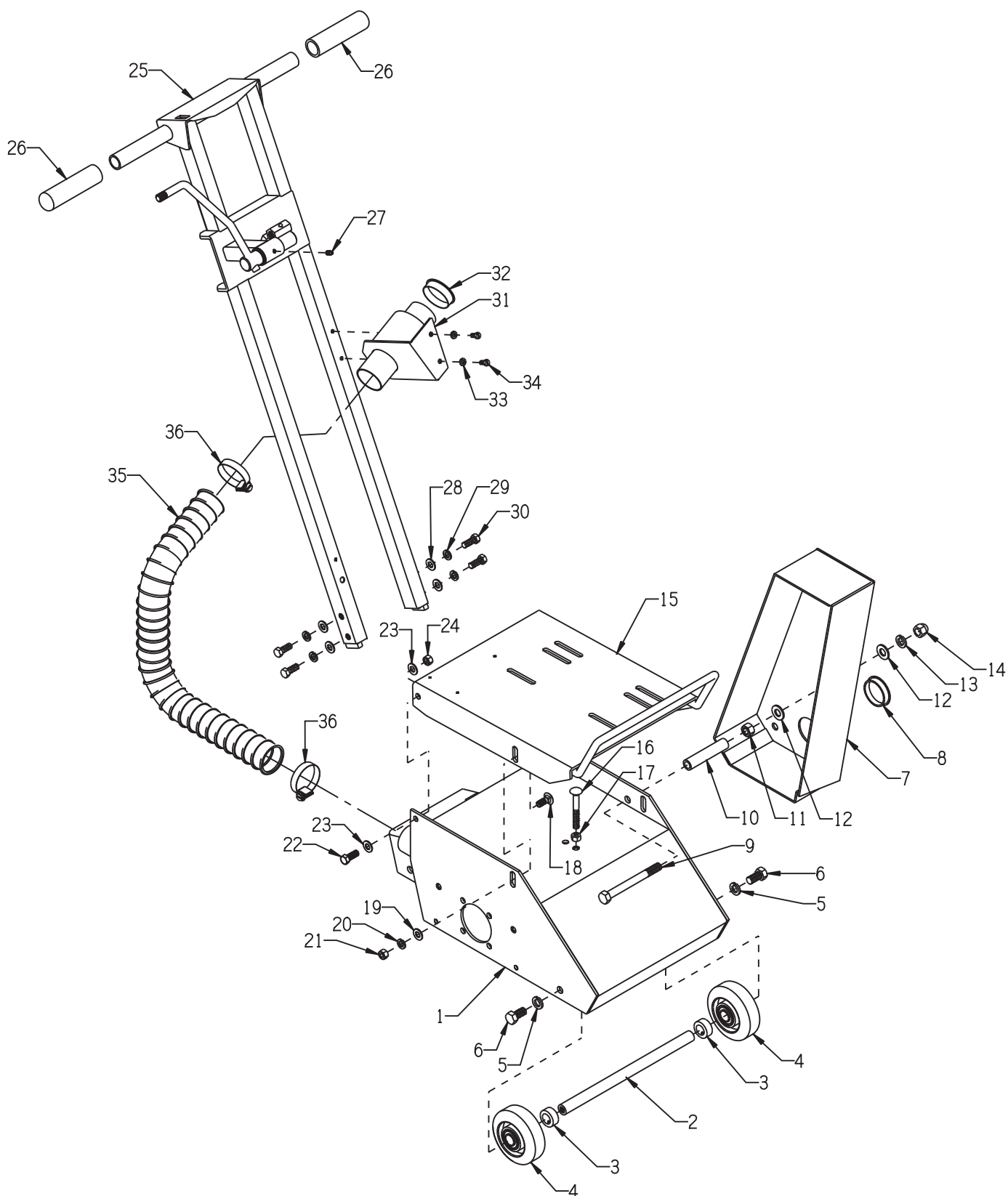
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# ILLUSTRATION 1 : MAIN GROUPING



PARTS LISTING - ILLUSTRATION 1: MAIN GROUPING			
ITEM #	PART #	DESCRIPTION	QTY.
1	65001	MAIN FRAME, CPM-8	1
2	65014	AXLE SHAFT 3/4"DIA. X 12-7/32"L	1
3	10428	COLLAR, LOCKING 3/4"ID	2
4	52001	WHEEL 4 X 1-1/2 X 3/4"BRG.	2
5	10045	WASHER, LOCK 1/2 ZINC	2
6	10304	SCREW, CAP 1/2-20 X 1	2
7	65003	COVER, BELT, CPM-8	1
8	65022	PLUG, HOLE 2"	1
9	65125	SCREW, CAP 1/2-13 X 5-1/4	2
10	65016	SPACER TUBE 1/2"ID X 3-9/16"L,CPM-8	2
11	10417	NUT, HEX 1/2-13 ZINC	2
12	10312	WASHER, FLAT 1/2 SAE ZINC	4
13	10045	WASHER, LOCK 1/2 ZINC	2
14	10865	NUT, ACORN 1/2-13	2
15	65002	MOUNT, ENGINE/MOTOR, CPM-8	1
16	10909	BOLT, CARRIAGE 3/8-16 X 3 FULL THD.	1
17	10404	NUT, HEX 3/8-16 ZINC	1
18	10802	BOLT, CARRIAGE 3/8-16 X 1 FULL THD.	2
19	10025	WASHER, FLAT 3/8 SAE ZINC	2
20	10811	WASHER, LOCK 3/8 ZINC	2
21	10404	NUT, HEX 3/8-16 ZINC	2
22	10021	SCREW, CAP 3/8-24 X 1	2
23	10025	WASHER, FLAT 3/8 SAE ZINC	4
24	10004	NUT, HEX LOCK 3/8-24 ZINC	2
25	65009	HANDLE BAR, CPM-8	1
26	10608	GRIP, HAND .937 X 4.5 BLK VYNAFOAM	2
27	10808	FITTING, GREASE 1/4-28 STRAIGHT (SEE ILLUS. 2)	1
28	10025	WASHER, FLAT 3/8 SAE ZINC	4
29	10811	WASHER, LOCK 3/8 ZINC	4
30	10055	SCREW, CAP 3/8-16 X 1	4
31	86347	BRACKET, MULTI-VAC PORT 2-3"	1
32	65021	CAP/PLUG 2" RED PLASTIC, FLANGED	1
33	10038	WASHER, LOCK 1/4 ZINC	2
34	10846	SCREW, CAP STSHW 1/4-20 X 1/2	2
35	65098	HOSE, FLEX 2"ID X 22"L	1
36	10766	CLAMP, HOSE, SAE #32, ADJ. TO 2-1/2	2



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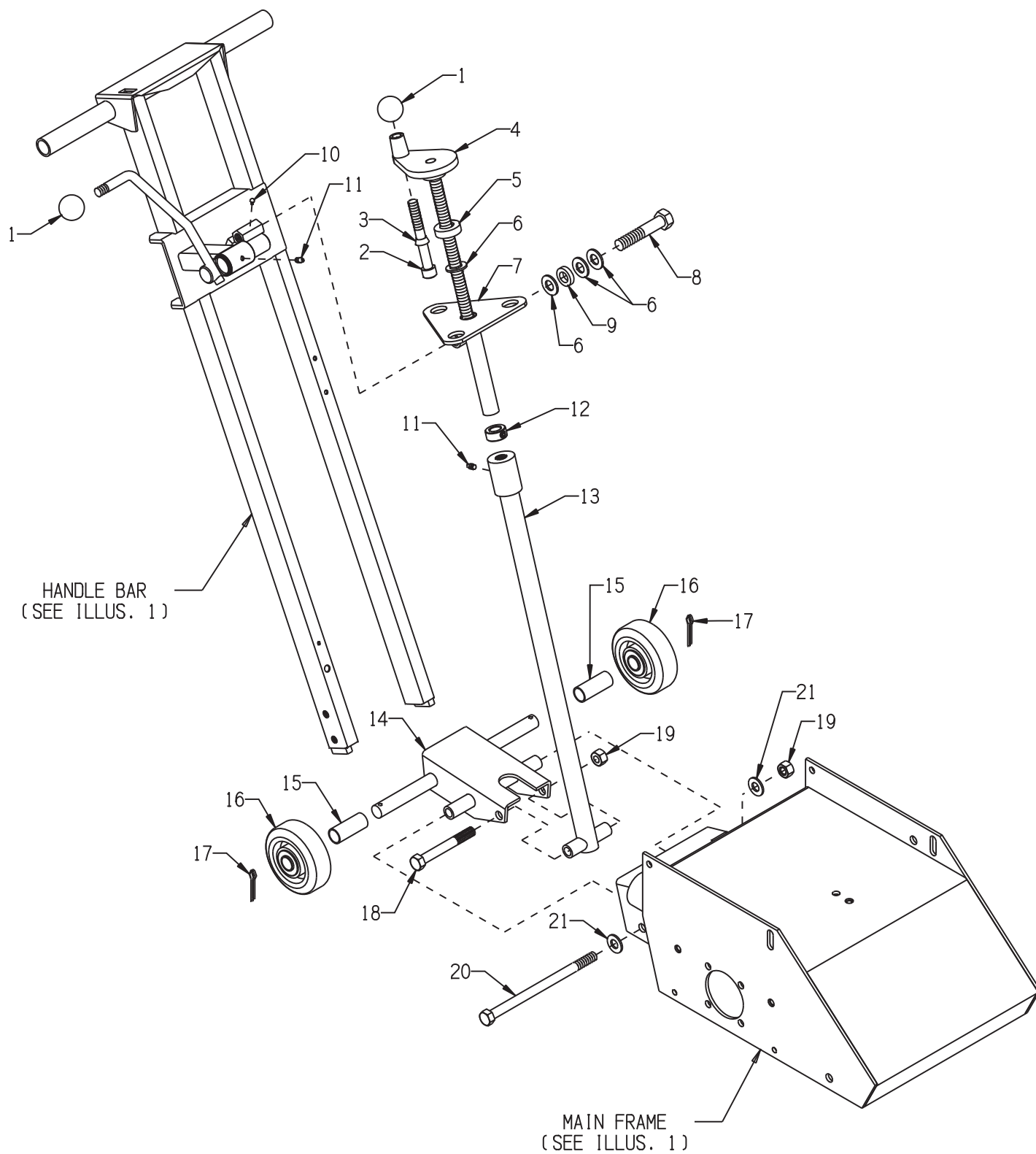
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## ILLUSTRATION 2: REAR FORK & CONTROL LINKAGE GROUPING





PARTS LISTING - ILLUSTRATION 2: REAR FORK & CONTROL LINKAGE GROUPING			
ITEM #	PART #	DESCRIPTION	QTY.
1	14023	KNOB, BALL 1-3/8 W/ 1/2-13THD, BLK.	2
2	10411	SCREW, SKT. HD. CAP 1/2-13 X 4 ZINC	1
3	50550	SLEEVE, BRASS 1/2" TAPERED	1
4	65019	HANDWHEEL, SMALL W/ 5/8-8 X 13" ROD	1
5	85005	BEARING, THRUST BALL 5/8	1
6	10073	WASHER, FLAT 5/8 SAE ZINC	4
7	65007	LINKAGE SUPPORT, UPPER	1
8	10359	SCREW, CAP 5/8-11 X 3-1/4	1
9	79035	BUSHING, RUBBER 1-1/16 X 5/8 X 1/4	1
10	10127	SCREW, DRIVE 1/8 X 1/4" L	1
11	10808	FITTING, GREASE 1/4-28 STRAIGHT	2
12	10096	COLLAR, LOCKING 5/8" ID	1
13	65006	LINKAGE, LOWER, CPM-8	1
14	65004	FORK, CPM-8	1
15	65005	SPACER, REAR WHEEL, 2-1/8"	2
16	52001	WHEEL 4 X 1-1/2 X 3/4" BRG. ALUM/RUB	2
17	10306	PIN, COTTER 3/16 X 1-1/2	2
18	81001	SCREW, CAP 1/2-13 X 4	1
19	10407	NUT, HEX LOCK 1/2-13 ZINC	2
20	65015	SCREW, CAP 1/2-13 X 8 ZINC	1
21	10312	WASHER, FLAT 1/2 SAE ZINC	2


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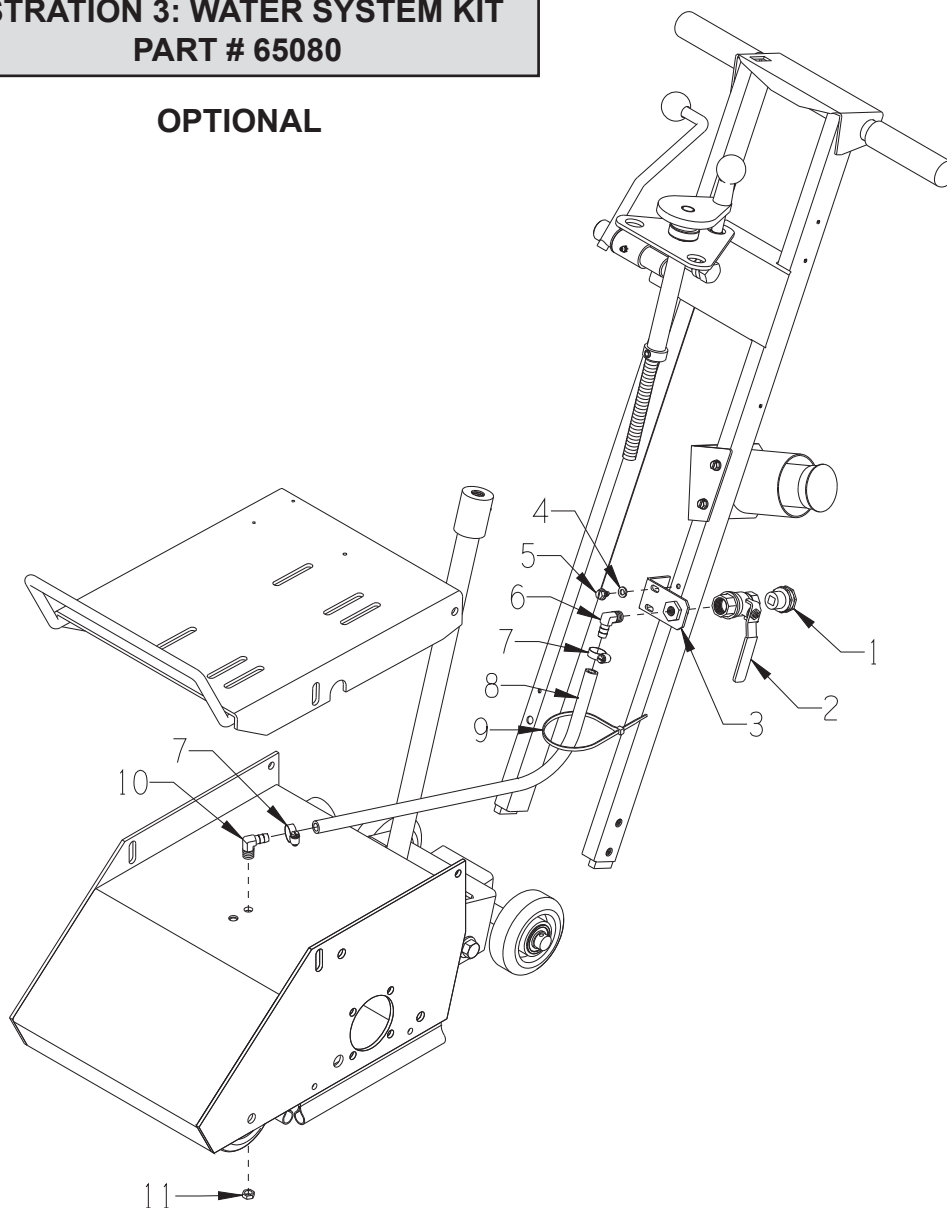
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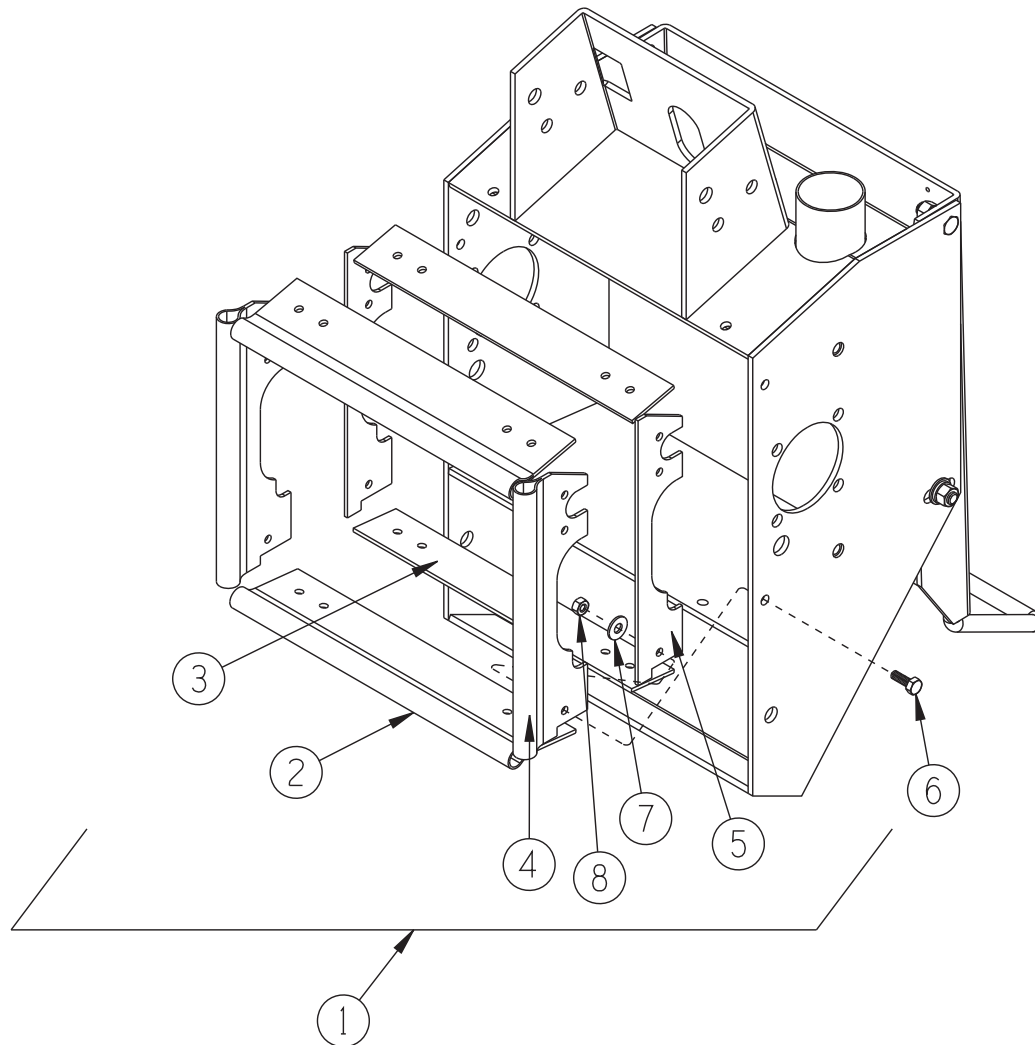
### ILLUSTRATION 3: WATER SYSTEM KIT PART # 65080

OPTIONAL



ITEM #	PART #	DESCRIPTION	QTY.
1	80021	CONN., SWIVEL FEM. 3/4HOSE X 1/2MPT	1
2	10711	VALVE, BALL 1/2 FPT	1
3	56022	BRACKET, WATER VALVE	1
4	10038	WASHER, LOCK 1/4 ZINC	2
5	10846	SCREW, CAP STSHW 1/4-20 X 1/2	2
6	10799	BARB ELBOW 90, 3/8HOSE X 1/4MPT (BRASS)	1
7	50069	CLAMP, HOSE, SAE #6, ADJ. TO 13/16	2
8	65081	HOSE, WATER 3/8"ID X 24"L	1
9	10982	TIE, CABLE, BLACK NYLON 11-1/4"	1
10	11562	BARB ELBOW 90, 3/8HOSE X 1/8MPT (BRASS)	1
11	10864	NUT 1/8-27 PIPE THREAD (BRASS)	1



**ILLUSTRATION 4: RUBBER SEAL GROUPING**


ITEM #	PART #	DESCRIPTION	QTY.
1	65036-R	RUBBERS (SET OF 4), CPM-8 (INCLUDES 2-8)	1
2	65152	RUBBER DUST SKIRT, FRONT/REAR	2
3	65153	RUBBER DUST SKIRT RETAINER, FRONT/REAR	2
4	65151	RUBBER DUST SKIRT, SIDES	2
5	65154	RUBBER DUST SKIRT RETAINER, SIDES	2
6	10018	SCREW, CAP 1/4-20 X 3/4	8
7	10602	WASHER, FLAT 1/4 SAE ZINC	8
8	10015	NUT, HEX LOCK 1/4-20 ZINC	8


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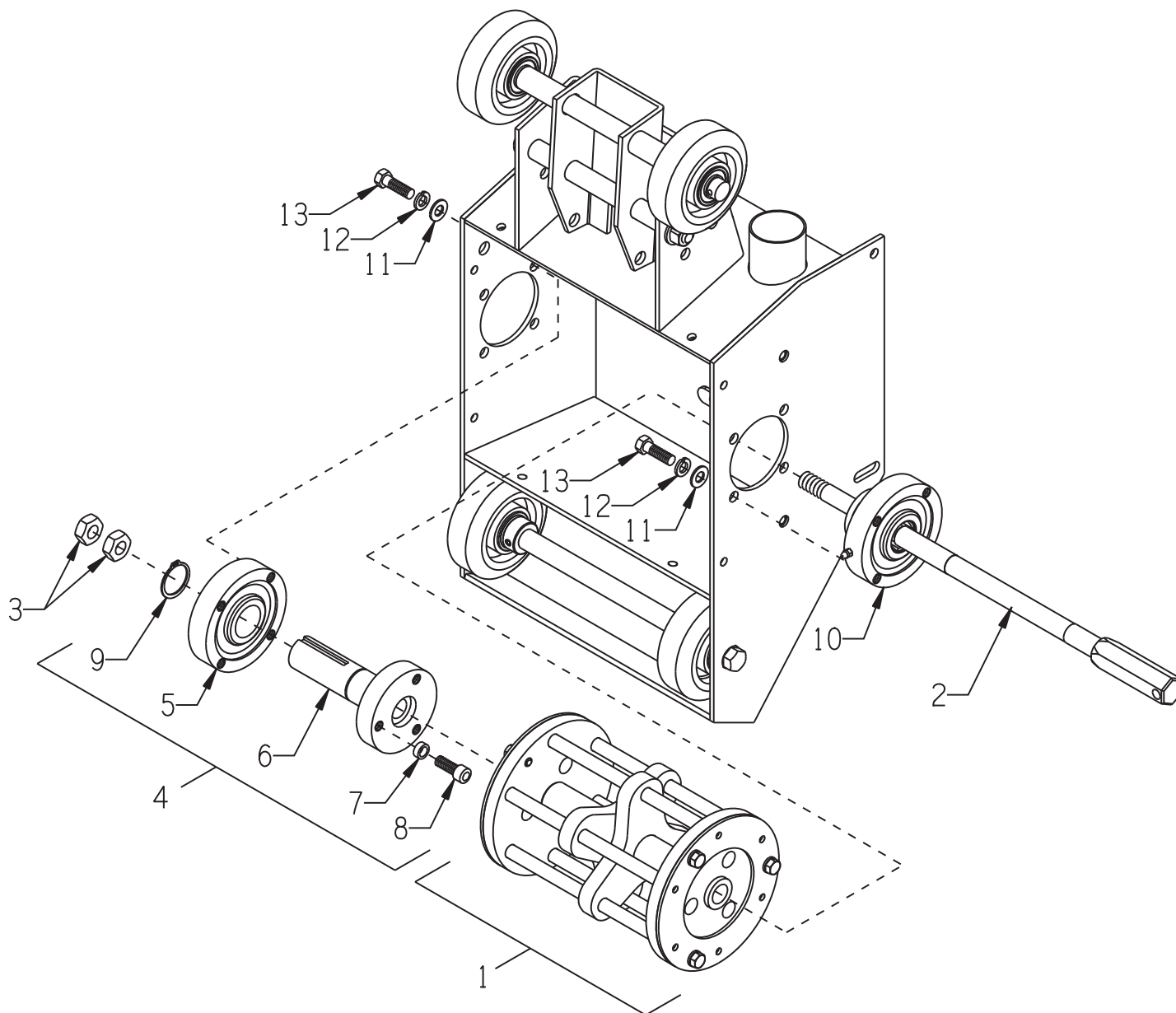
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**ILLUSTRATION 5: DRUM, SHAFT & BEARING GROUPING**



PARTS LISTING - ILLUSTRATIONS 5: DRUM, SHAFT & BEARING GROUPING			
ITEM #	PART #	DESCRIPTION	QTY.
1	65050	DRUM ASSY. COMP. CPM-8 CUTTER (REFER TO ILLUS. 6 FOR BREAKDOWN)	1
2	65037	DRUM SHAFT 18-3/8"L, CPL/M-8	1
3	65039	NUT, JAM 5/8-11 LEFT-HAND THREAD	2
4	65038A	DRIVER W/ BEARING ASSY., CPM-8 (INCLUDES ITEMS 5 THRU 9)	1
5	65056	BEARING ASSY. COMPLETE, 1-1/4"DIA.	1
	10961	FITTING, GREASE 1/4-28 X 90° (INCLUDED)	1
6	65038	DRIVER, CPM-8	1
7	10113	SPACER, STEEL 9/16OD X 3/8ID X 7/32	3
8	10878	SCREW, SKT. HD. CAP 3/8-24 X 1 ZINC	3
9	10873	RETAINING RING, EXT. 1-1/4"	1
10	65057	BEARING ASSY. COMPLETE, 1"HEX BORE	1
	10808	FITTING, GREASE 1/4-28 STR. (INCLUDED)	1
11	10025	WASHER, FLAT 3/8 SAE ZINC	8
12	10811	WASHER, LOCK 3/8 ZINC	8
13	10309	SCREW, CAP 3/8-24 X 1-1/4 ZINC	8



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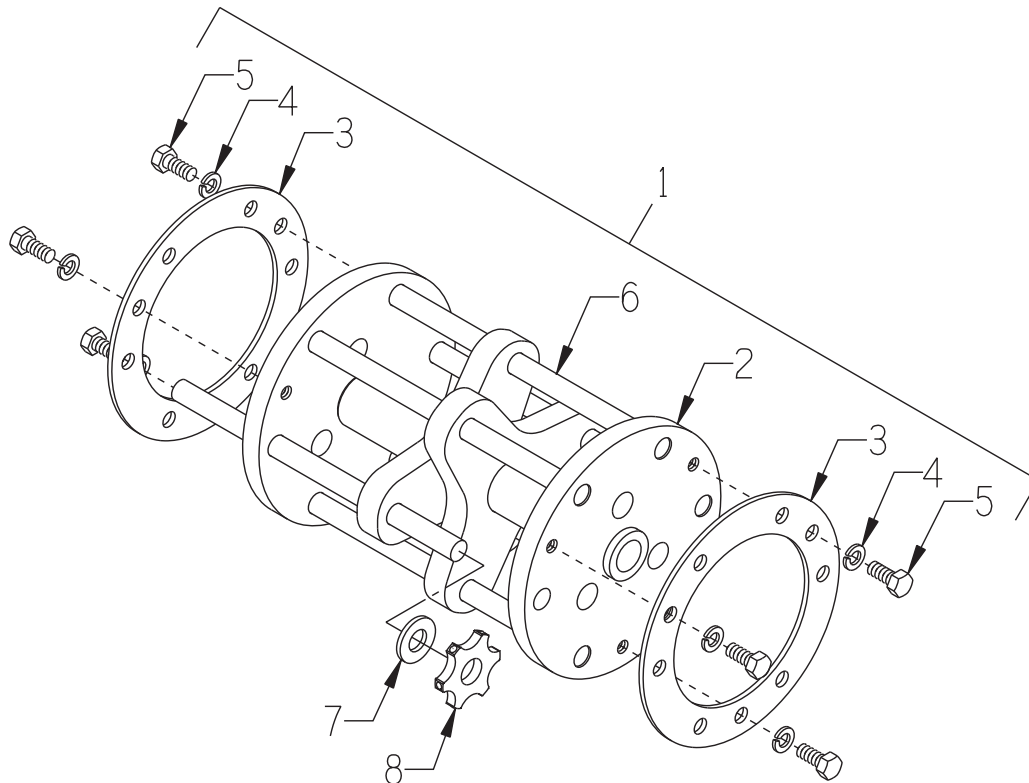
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# ILLUSTRATION 6: CUTTER DRUM ASSEMBLY

## STANDARD - 8" WIDTH



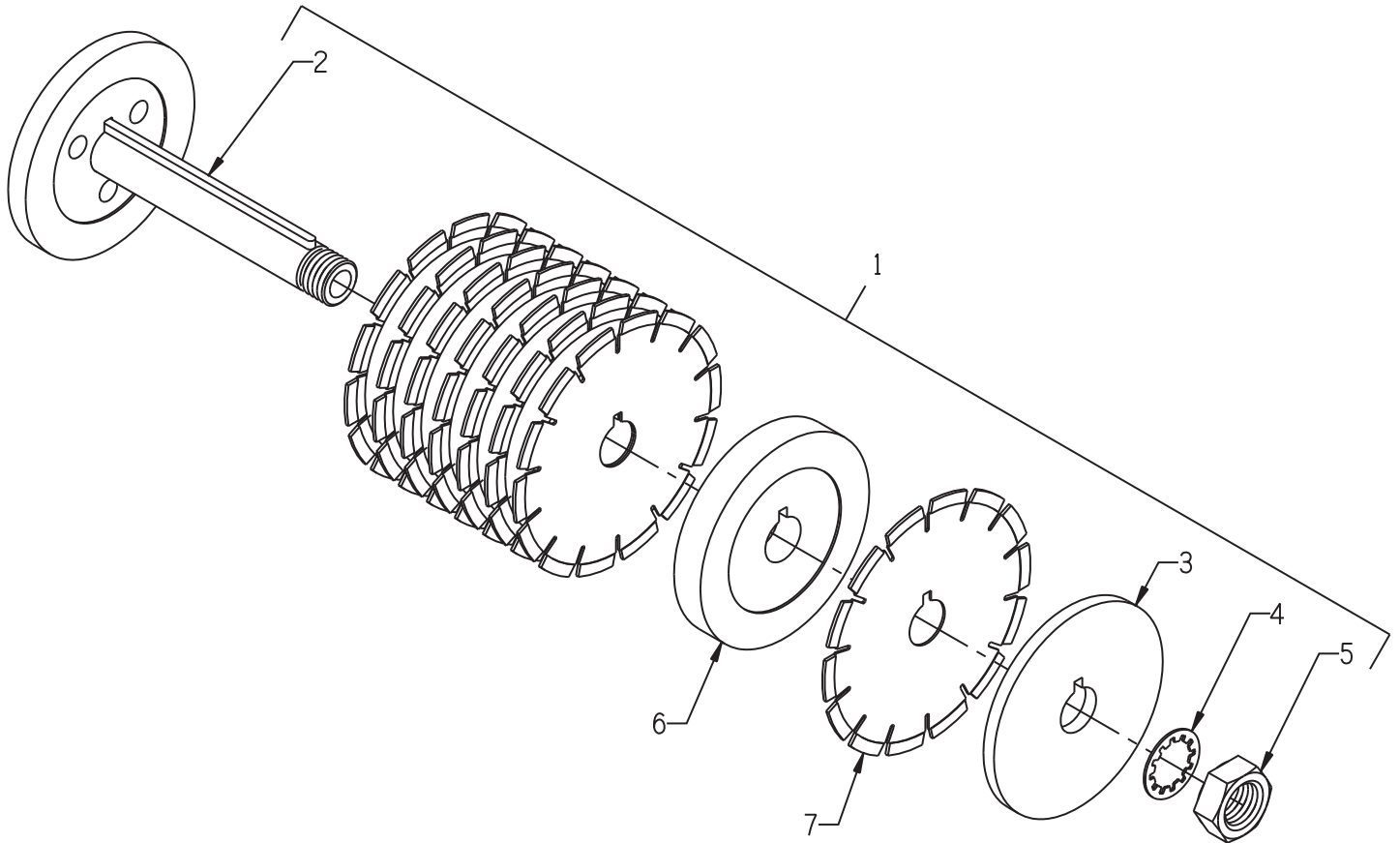
ITEM #	PART #	DESCRIPTION	QTY.
1*	65050	DRUM ASSEMBLY COMPLETE, CPM-8 CUTTER (INCLUDES ITEMS 2 THRU 6)	1
2	65051	DRUM ONLY, CUTTER, CPM-8	1
3	65054	RETAINING PLATE, CUTTER SHAFT	2
4	10801	WASHER, LOCK 5/16 ZINC	6
5	10053	SCREW, CAP 5/16-18 X 3/4	6
6	20150	CP407 SHAFT 1/2 X 8-9/16"L	6
7*	12230	CG227 SPACER 1/2"ID	SEE NOTE
8*	20156	CUTTERS: CP206T 6-PT. CARBIDE 1-3/4"OD x 5/8"ID x 1/4"THK (SHOWN)	SEE NOTE
	20336	CP207T 7-PT. SOLID CARBIDE MILLING 1-1/2"OD x 1/2"ID x 1/2"THK	
	12206	JRS501P 18-PT. POINTED STEEL 2"OD x 1/2"ID x 3/16"THK	
	20206	CP305 12-PT. FLAT TIP STEEL 2"OD x 5/8"ID x 3/16"THK	

**\*NOTE:**

CUTTER WHEELS AND SPACERS ARE NOT INCLUDED WITH THE DRUM ASSEMBLY.  
THE NUMBER OF CUTTER WHEELS AND SPACERS VARY WITH TYPE OF SET-UP USED.  
REFER TO ASSEMBLY INSTRUCTIONS FOR SUGGESTED SET-UPS AND QUANTITIES.

**ILLUSTRATION 7:  
DIAMOND GROOVING HEAD ASSEMBLY**

**OPTIONAL - 7" WIDTH**



ITEM #	PART #	DESCRIPTION	QTY.
1	65077	HEAD ASSY., DIAMOND GROOVING, CPM-8 (INCLUDES ITEM 2 THRU 5)	1
2	65070	ARBOR, DIAMOND GROOVING HEAD, CPM-8	1
3	65071	ARBOR BLADE CAP 6", CPM-8	1
4	65075	WASHER, LOCK, INT. TOOTH 1-1/4"	1
5	65076	NUT, JAM 1 1/4-12	1
6*	65072 65073 65074 65078	SPACER 6"OD X 1-1/4"ID X .063 (MINIMUM BLADE SPACING) 6"OD X 1-1/4"ID X .43 (1/2" C TO C BLADE SPACING) 6"OD X 1-1/4"ID X .93 (1" C TO C BLADE SPACING - SHOWN) 6"OD X 1-1/4"ID X 5/8 (11/16" C TO C BLADE SPACING)	SEE NOTE
7*	39808 39806	DIAM. BLADE DCC05S 7X.090X1.25 W/ KW (3/32" THK. - SHOWN) DIAM. BLADE DCC05S 7X.250X1.25 W/ KW (1/4" THK.)	SEE NOTE
<p><b>*NOTE:</b> DIAMOND BLADES AND SPACERS ARE NOT INCLUDED WITH THE HEAD ASSEMBLY. THESE QUANTITIES VARY WITH THE TYPE OF SET-UP USED. REFER TO SET-UP DRAWINGS FOR QUANTITIES.</p>			



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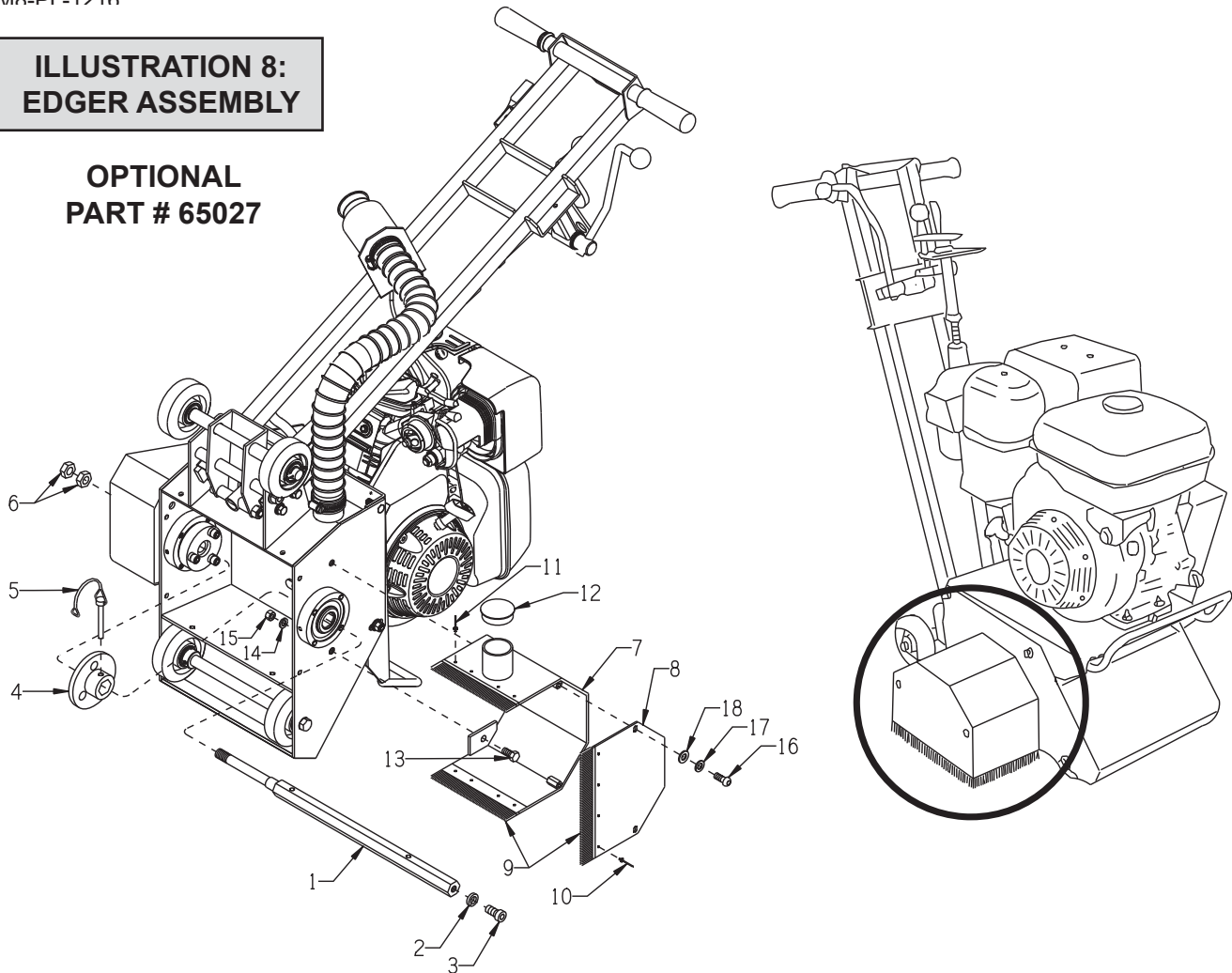
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# ILLUSTRATION 8: EDGER ASSEMBLY

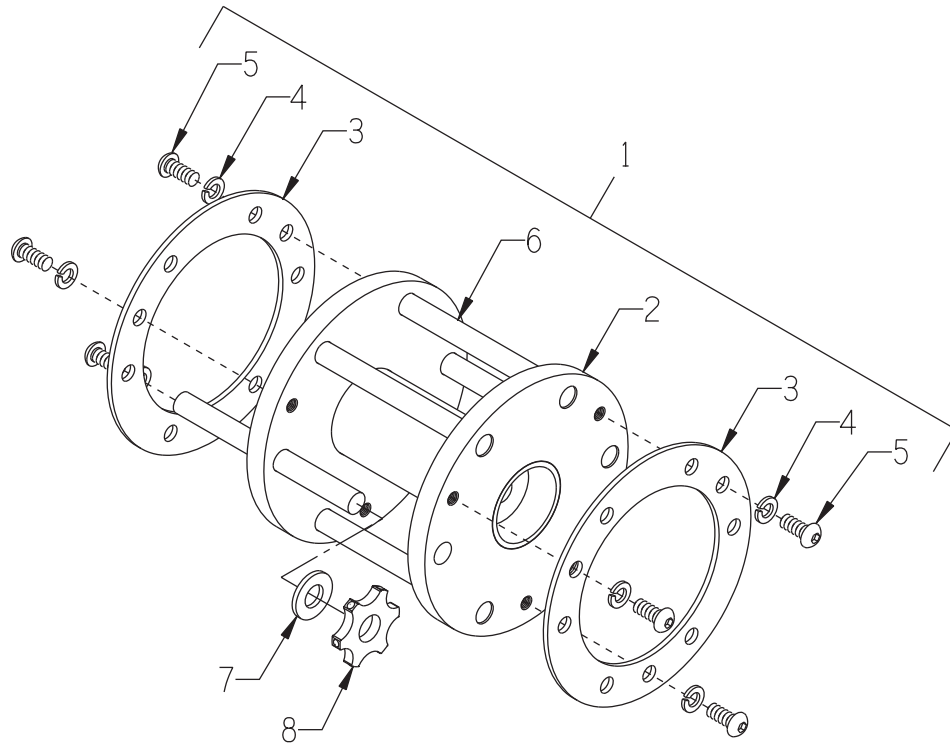
**OPTIONAL  
PART # 65027**



ITEM #	PART #	DESCRIPTION	QTY.
1	65025	DRUM SHAFT, CPM-8 EDGER	1
2	10420	WASHER, LOCK 1/2 HEAVY-DUTY	1
3	10490	SCREW, SKT. HD. CAP 1/2-13 X 1	1
4	65026	FLANGE, DRIVER, CPM-8 EDGER	1
5	65028	PIN, WIRE LOCK 5/16"DIA. X 2.75"GRP	1
6	65039	NUT, JAM 5/8-11 LEFT-HAND THD. ZINC	2
7	65023A	COVER ONLY, DRUM, CPM-8 EDGER	1
8	65024A	COVER SIDE PANEL ONLY, CPM-8 EDGER	1
9	65029	BRUSHES (SET OF 3), CPM-8 EDGER	1-SET
10	10128	RIVET, BLIND 1/8 X .250L X .262HD	4
11	10134	RIVET, BLND 3/16X.450"L X.375HD DIA	8
12	65021	CAP/PLUG 2" RED PLASTIC, FLANGED	1
13	10055	SCREW, CAP 3/8-16 X 1	2
14	10811	WASHER, LOCK 3/8 ZINC	2
15	10404	NUT, HEX 3/8-16 ZINC	2
16	10627	SCREW, SKT. BUTTON HD. 5/16-18 X3/4	2
17	10801	WASHER, LOCK 5/16 ZINC	2
18	10213	WASHER, FLAT 5/16 SAE ZINC	2

# ILLUSTRATION 9: EDGER CUTTER DRUM ASSEMBLY

OPTIONAL - 4" WIDTH



ITEM #	PART #	DESCRIPTION	QTY.
1*	C66040	DRUM ASSEMBLY COMPLETE, CPM-8 CUTTER (INCLUDES ITEMS 2 THRU 6)	1
2	C66041	DRUM ONLY, CUTTER, CPM-4	1
3	65054	RETAINING PLATE, CUTTER SHAFT	2
4	10801	WASHER, LOCK 5/16 ZINC	6
5	10627	SCREW, SKT. BUTTON HD. 5/16-18 X3/4	6
6	C66043	CP410 SHAFT 1/2 X 5-3/16" L	6
7*	12230	CG227 SPACER 1/2" ID	SEE NOTE
8*	20156	CUTTERS: CP206T 6-PT. CARBIDE 1-3/4" OD x 5/8" ID x 1/4" THK (SHOWN)	SEE NOTE
	20336	CP207T 7-PT. SOLID CARBIDE MILLING 1-1/2" OD x 1/2" ID x 1/2" THK	
	12206	JRS501P 18-PT. POINTED STEEL 2" OD x 1/2" ID x 3/16" THK	
	20206	CP305 12-PT. FLAT TIP STEEL 2" OD x 5/8" ID x 3/16" THK	
*NOTE: CUTTER WHEELS AND SPACERS ARE NOT INCLUDED WITH THE DRUM ASSEMBLY. THE NUMBER OF CUTTER WHEELS AND SPACERS VARY WITH TYPE OF SET-UP USED. REFER TO ASSEMBLY INSTRUCTIONS FOR SUGGESTED SET-UPS AND QUANTITIES.			



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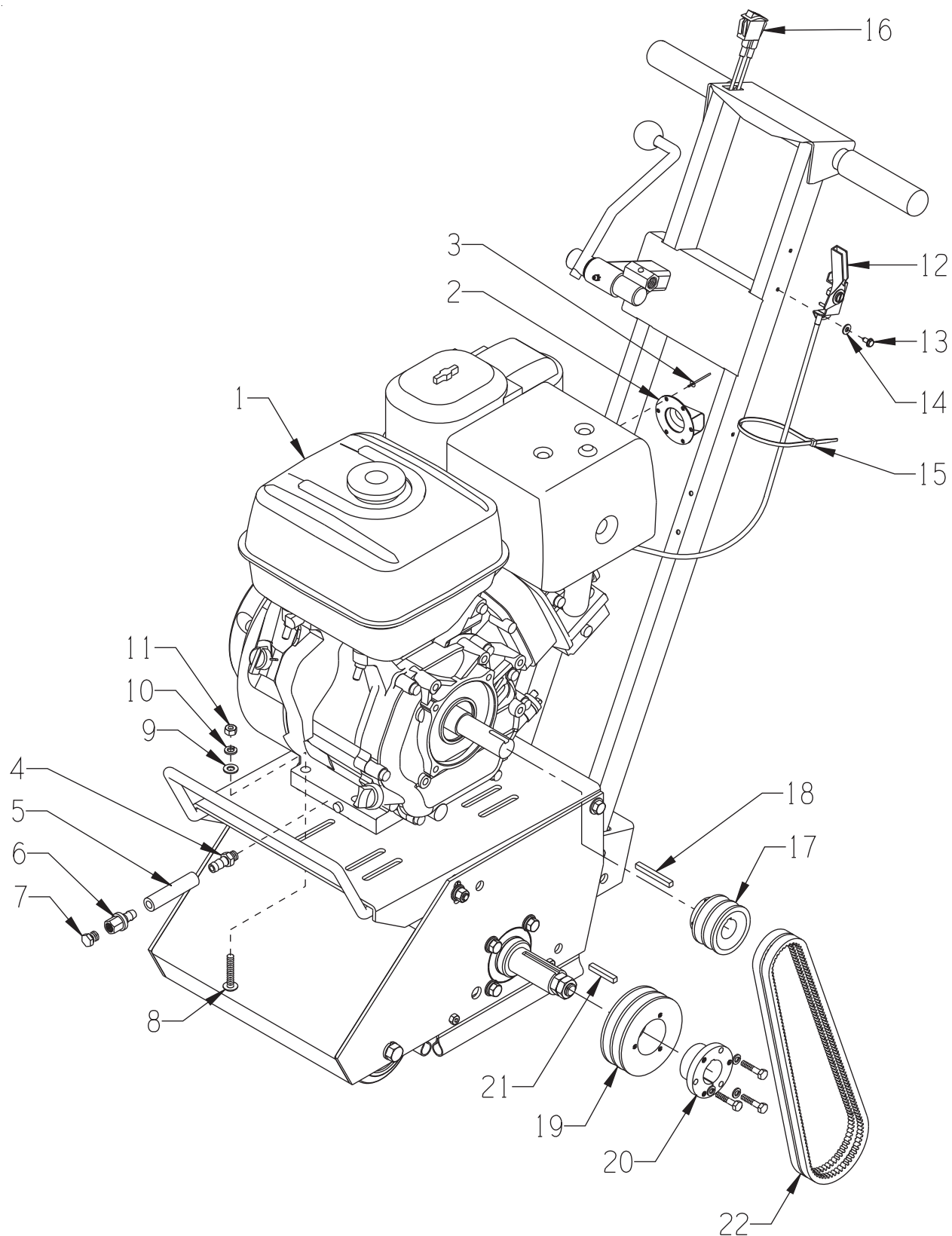
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# ILLUSTRATION 10: ENGINE GROUPING



PARTS LISTING - ILLUSTRATION 10: ENGINE GROUPING			
ITEM #	PART #	DESCRIPTION	QTY.
1	15027	ENGINE, HONDA GX270U-QXC9 CYC.A.C.	1
2	10625	MUFFLER CAP, HONDA #18331-ZE3-811	1
3	10128	RIVET, BLIND 1/8 X .250L X .262HD	2
4	11544	BARB, PUSH-ON 3/8 HOSE X 1/4FPT	1
5	56116	HOSE, PUSH-ON 3/8"ID X 3"L	1
6	11542	BARB, PUSH-ON 3/8HOSE X M12-1.5MALE	1
7	10776	PIPE PLUG 1/4 NPT (BRASS)	1
8	10918	BOLT, CARRIAGE 5/16-18 X 1-3/4 F.T.	4
9	10213	WASHER, FLAT 5/16 SAE ZINC	4
	10025	WASHER, FLAT 3/8 SAE ZINC	2
10	10801	WASHER, LOCK 5/16 ZINC	4
11	10054	NUT, HEX 5/16-18 ZINC	4
12	40388	CABLE, THROTTLE, LEVER-TYPE 24"	1
13	10877	SCREW, CAP STSHW 10-24 X 1/2	2
14	10831	WASHER, LOCK, INT. TOOTH #10	2
15	10982	TIE, CABLE, BLACK NYLON 11-1/4"	1
16	15201A	SWITCH W/ WIRES, ROCKER RED ON-OFF ADDITIONAL PARTS REQ'D. (NOT SHOWN):	1
	50084	TERM., RING #10 16-14GA. INSULATED	1
	10877	SCREW, CAP STSHW 10-24 X 1/2	1
	10831	WASHER, LOCK, INT. TOOTH #10	1
17	10553	SHEAVE 2.5"OD X 2GR.A X 1"BORE	1
18	10307	KEY 1/4SQ X 2-1/4	1
19	65045	SHEAVE 4.05"OD X 2GR.A X SH	1
20	10505	BUSHING, SHEAVE SH X 1-1/4"BORE	1
21	40317	KEY 1/4SQ X 1-5/8	1
22	81007	BELT AX-33	2


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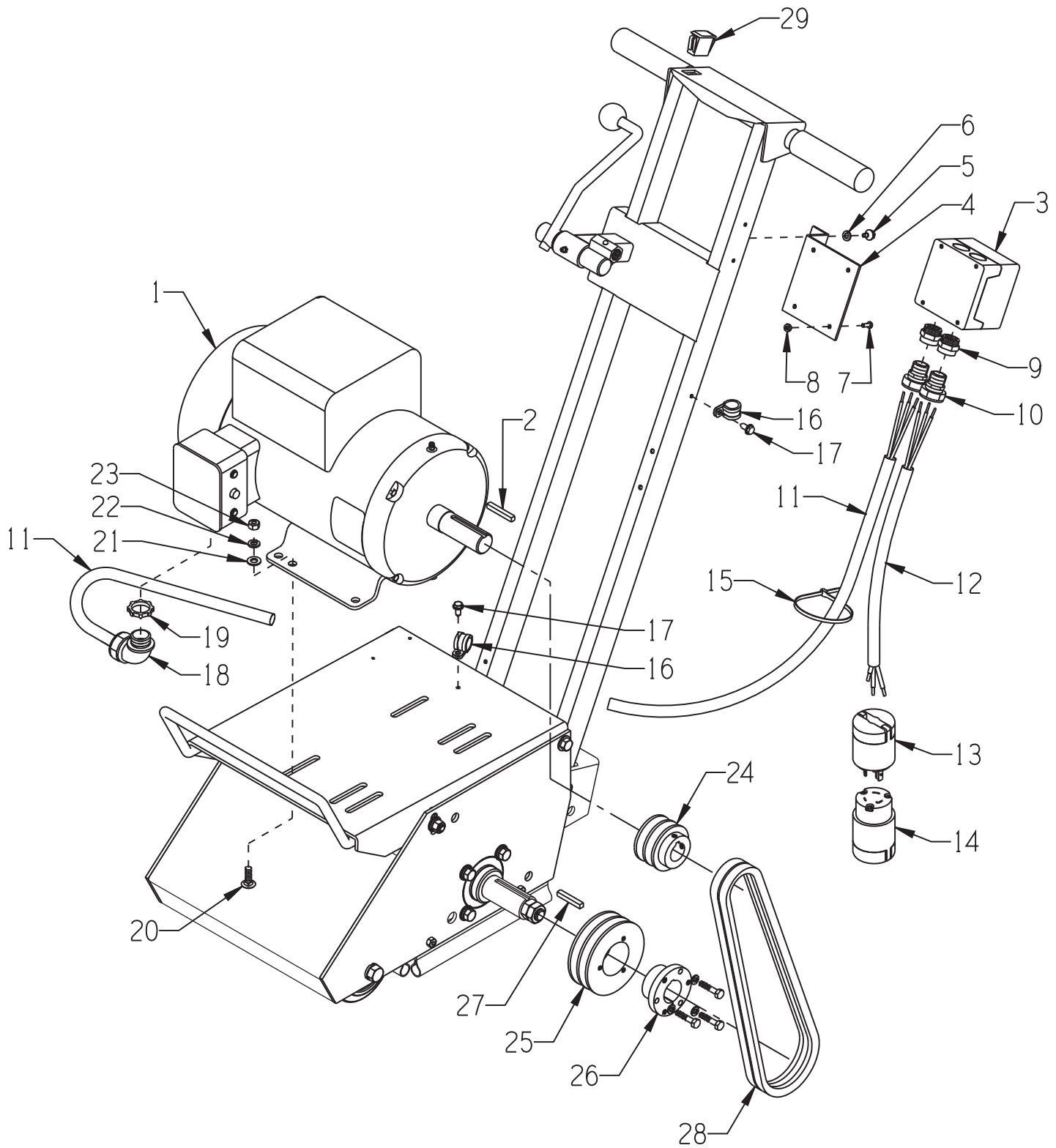
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# ILLUSTRATION 11: SINGLE PHASE MOTOR GROUPING



PARTS LISTING - ILLUSTRATION 11: SINGLE PHASE MOTOR GROUPING			
ITEM #	PART #	DESCRIPTION	QTY.
1	<b>81026</b>	<b>MOTOR, BALDOR 5HP-1PH 60HZ 3450RPM</b>	<b>1</b>
		REPLACEMENT PARTS:	
	16121	CAPACITOR, START, BALDOR EC1161C06SP	2
	16164	CAPACITOR, RUN, BALDOR #OC3040F09SP	1
	16540	THERMAL PROT. (RESET BUTTON) TPBRT25DB	1
2	-----	KEY 1/4"SQ. X 1-3/4 (INCLUDED W/ MOTOR)	1
3	77043	SWITCH, ROTARY CAM ON/OFF	1
4	77042	BRACKET, ROTARY CAM SWITCH	1
5	10846	SCREW, CAP STSHW 1/4-20 X 1/2	2
6	10038	WASHER, LOCK 1/4 ZINC	2
7	11663	SCREW, MACHINE 8-32 X 1/2 (LOCATED INSIDE OF SWITCH BOX)	4
8	10462	NUT, KEPS LOCK 8-32 ZINC	4
9	77043-1	SWITCH ADAPTER, PG16 TO 1/2"NPT	2
10	41130	STRAIN RELIEF 1/2NPT X .550-.650"	2
11	65137	WIRE HARNESS 10/3 X 60"LOA	1
12	86026	WIRE HARNESS 10/3 X 24"LOA	1
13	40037	PLUG, LOCKING 20A/250V L6-20P	1
14	40000	CONNECTOR, LOCKING 20A/250V L6-20C	1
15	10982	TIE, CABLE, BLACK NYLON 11-1/4"	1
16	11565	CLAMP, LOOM, 5/8" (SAE SIZE 10)	2
17	10877	SCREW, CAP STSHW 10-24 X 1/2	2
	10831	WASHER, LOCK, INT. TOOTH #10	2
18	16539	STRAIN RELIEF 90D X 3/4NPT .50-.625	1
19	10740	CONDUIT LOCK NUT 3/4 NP (LOCATED INSIDE OF JUNCTION BOX)	1
20	10819	BOLT, CARRIAGE 5/16-18 X 1 FULL THD	4
21	10213	WASHER, FLAT 5/16 SAE ZINC	4
22	10801	WASHER, LOCK 5/16 ZINC	4
23	10054	NUT, HEX 5/16-18 ZINC	4
24	10555	SHEAVE 2.5"OD X 2GR.A X 1-1/8"BORE	1
25	65045	SHEAVE 4.05"OD X 2GR.A X SH	1
26	10505	BUSHING, SHEAVE SH X 1-1/4"BORE	1
27	40317	KEY 1/4SQ X 1-5/8	1
28	10239	BELT A32	2
29	15204	PLUG, RECT. HOLE, PLASTIC SNAP-IN	1



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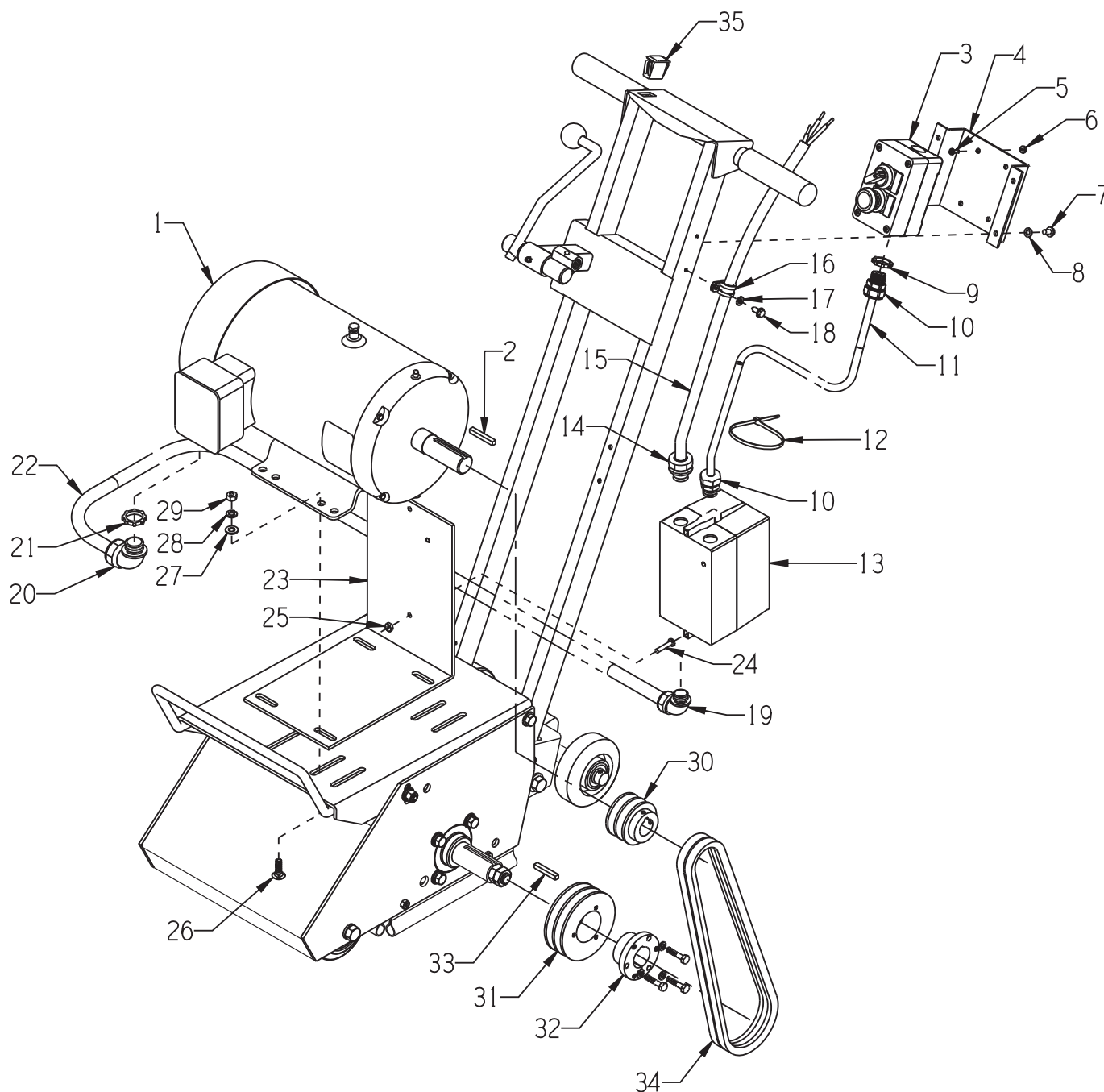
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### ILLUSTRATION 12: THREE PHASE MOTOR GROUPING



## PARTS LISTING - ILLUSTRATION 12: THREE PHASE MOTOR GROUPING

ITEM #	PART #	DESCRIPTION	QTY.
1	81022	MOTOR, BALDOR 5HP-3PH-60HZ-230/460V EM3613T	1
	16020	MOTOR, BALDOR 5HP-3PH 50HZ-220/380/440V M3613T-50	1
2	-----	KEY 1/4"SQ X 1-3/4 (INCLUDED W/ MOTOR)	1
3	16660	SWITCH BOX COMPLETE, ON/OFF/E-STOP ... INCLUDES:	1
	16661	ENCLOSURE, 2 HOLE ACI PBE2	1
	16662	LEGEND PLATE, EMER.STOP - BLACK	1
	16663	LEGEND PLATE, OFF/ON	1
	16664	MUSHROOM BUTTON, RED JR22GN11R	1
	16665	KNOB TYPE SELECTOR SWITCH, BLACK	1

PARTS LISTING CONTINUED - ILLUS. 12: THREE PHASE MOTOR GROUPING			
ITEM #	PART #	DESCRIPTION	QTY.
4	65088	BRACKET, REMOTE SWITCH, CPM-8	1
5	11663	SCREW, MACHINE 8-32 X 1/2	4
6	10462	NUT, KEPS LOCK 8-32 ZINC	4
7	10846	SCREW, CAP STSHW 1/4-20 X 1/2	4
8	10038	WASHER, LOCK 1/4 ZINC	4
9	10790	CONDUIT LOCK NUT 1/2 NP (LOCATED INSIDE BOX)	1
10	16190	STRAIN RELIEF 1/2NPT X .250-.350"	2
11	65140	WIRE HARNESS 16/2 X 48"LOA	1
12	10982	TIE, CABLE, BLACK NYLON 11-1/4"	3
13	16457	STARTER ACI #128844 200/240V COIL 11.3-16A O/L	1
	16458	STARTER ACI #128846 440/480V COIL 5.5-7.5A O/L	1
	16476	STARTER ACI 440/480V 7.2-10A O/L (USED FOR 50Hz-380V)	1
		REPLACEMENT PARTS:	
	16617	STARTER CONT./COIL ACI SK18.310-230	1
	16618	STARTER CONT./COIL ACI SK18.310-460	1
	16622	STARTER AC COIL 200/240V-60HZ, 190/220-50HZ	1
	16623	STARTER AC COIL 440/480V-60HZ, 380/415-50HZ	1
	16632	STARTER OVERLOAD RELAY 5.5-7.5 AMP	1
	16633	STARTER OVERLOAD RELAY 7.2-10.0 AMP	1
	16635	STARTER OVERLOAD RELAY 11.3-16.0 AMP	1
14	41053	STRAIN RELIEF 1/2NPT X .625-.750"	1
15	65105	WIRE HARNESS 10/4 X 48"LOA, CPM-8	1
16	11565	CLAMP, LOOM, 5/8" (SAE SIZE 10)	1
17	10831	WASHER, LOCK, INT. TOOTH #10	1
18	10877	SCREW, CAP STSHW 10-24 X 1/2	1
19	11621	STRAIN RELIEF 1/2"90D X .625-.750"	1
20	16539	STRAIN RELIEF 90D X 3/4NPT .50-.625	1
21	10740	CONDUIT LOCK NUT 3/4 NP (LOCATED INSIDE BOX)	1
22	65108	WIRE HARNESS 10/4 X 32"LOA, CPM-8	1
23	65087	MOUNT, STARTER	1
24	11732	SCREW, MACHINE 10-32 X 1-3/4 RPH	2
	10384	SCREW, MACHINE 10-32 X 1 RHP	1
25	10832	NUT, KEPS LOCK 10-32 ZINC	3
26	10820	BOLT, CARRIAGE 5/16-18 X 1-1/4 F.T.	4
27	10213	WASHER, FLAT 5/16 SAE ZINC	4
28	10801	WASHER, LOCK 5/16 ZINC	4
29	10054	NUT, HEX 5/16-18 ZINC	4
30	10555	SHEAVE 2.5"OD X 2GR.A X 1-1/8"BORE (60Hz MOTOR)	1
	10526	SHEAVE 3"OD X 2GR.A X 1-1/8"BORE (50Hz MOTOR)	1
31	65045	SHEAVE 4.05"OD X 2GR.A X SH	1
32	10505	BUSHING, SHEAVE SH X 1-1/4"BORE	1
33	40317	KEY 1/4SQ X 1-5/8	1
34	10239	BELT A32	2
35	15204	PLUG, RECT. HOLE, PLASTIC SNAP-IN	1



## EQUIPMENT DEVELOPMENT COMPANY, INC.

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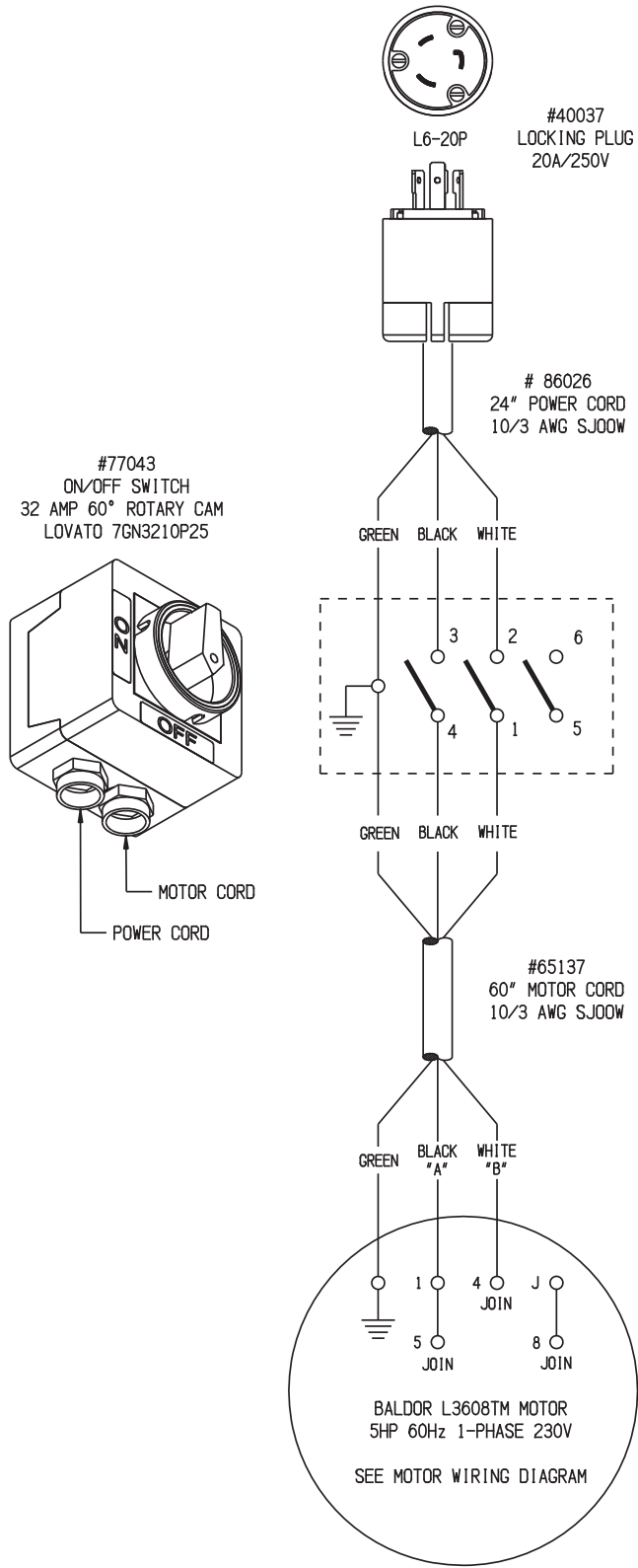
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WIRING DIAGRAM FOR ROTARY SWITCH

60HZ 1-PHASE 230V



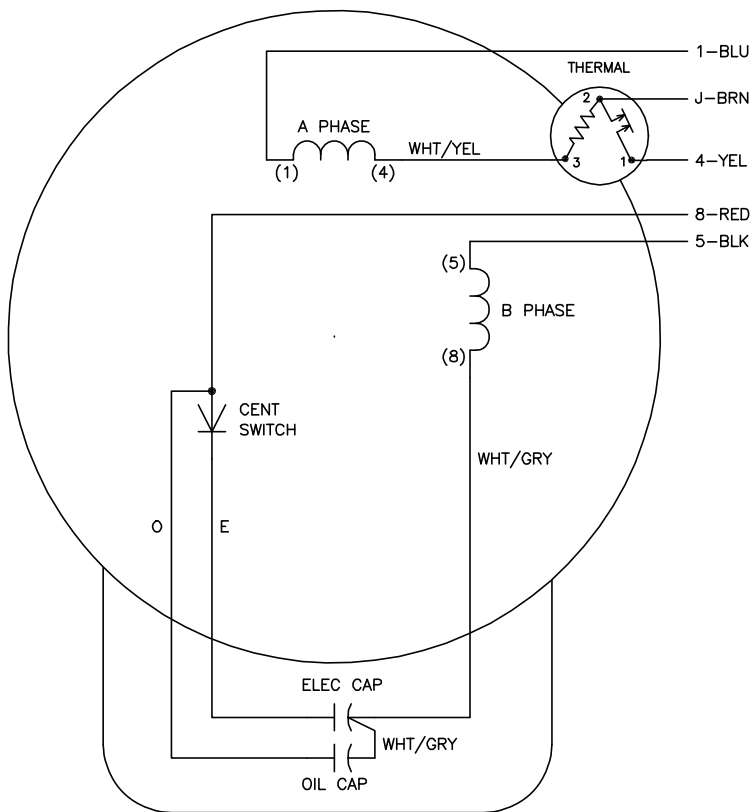


# **WIRING DIAGRAM FOR 60Hz 1-PHASE MOTOR**

BALDOR CAT. NO. L3608TM  
 5 H.P., 1 PHASE, 60 HERTZ, 3450 RPM,  
 230 VOLT, 19.5 FULL LOAD AMPS

USE CONNECTIONS FOR OPPOSITE ROTATION SHOWN BELOW  
 LINE "A" IS BLACK WIRE, LINE "B" IS WHITE WIRE

CD0002A02



	LINE A	LINE B	JOIN
STD	1,8	4	J,5
OPP	1,5	4	J,8

## **NOTES:**

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REMOVE 2-TERMINAL THERMAL DETAIL, SEE CD0002A04

REV. LTR: D

VERSION: 01

TDR: 000000360649

CD0002A02

FILE: \AAA\00007\520

REVISED: 17:11:40 04/15/2005

MTL: -

BY: ENJOEPO

**BALDOR ELECTRIC Co.**

TYPE LC, SV, REV, THERMAL, 5 LEADS

CD0002A02



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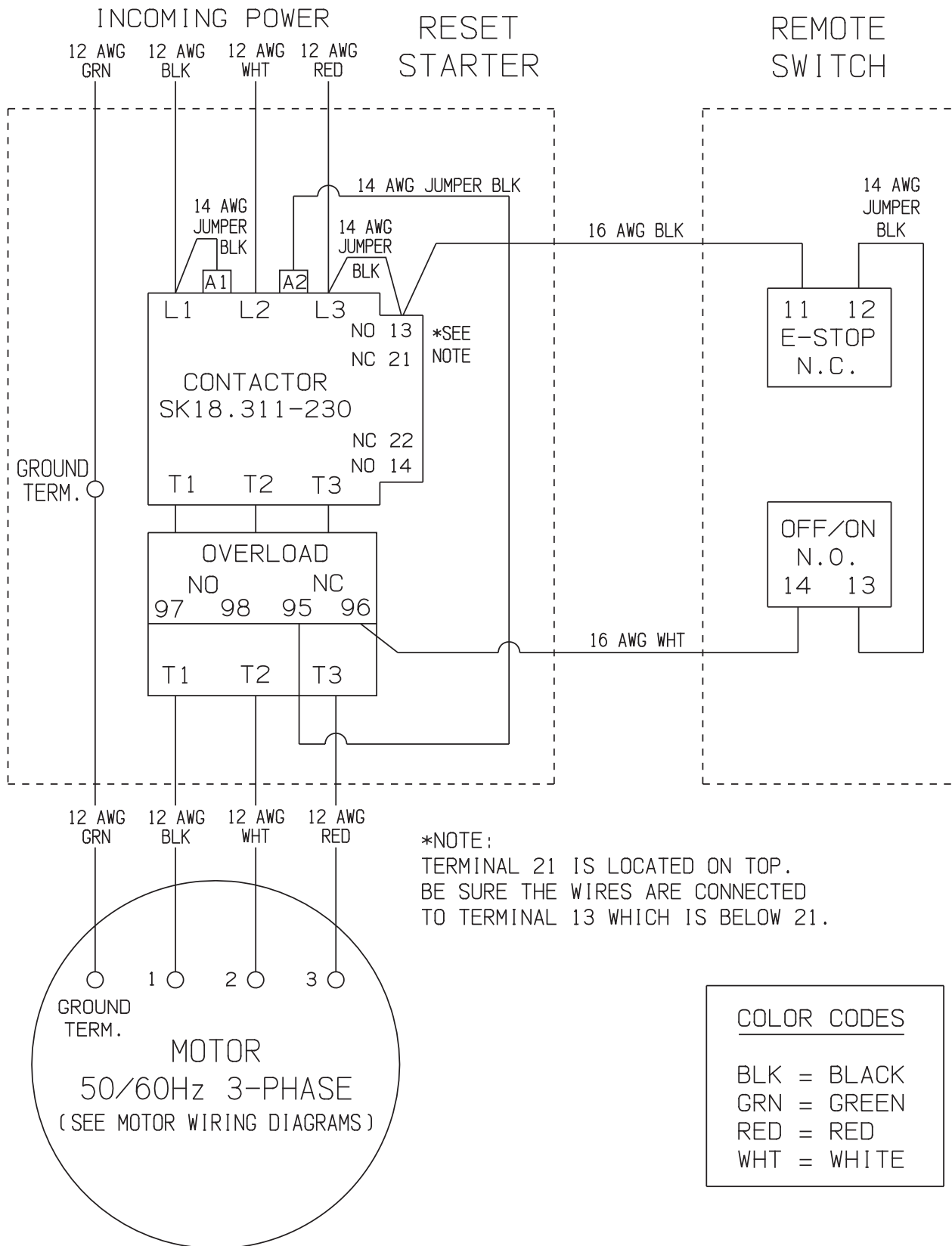
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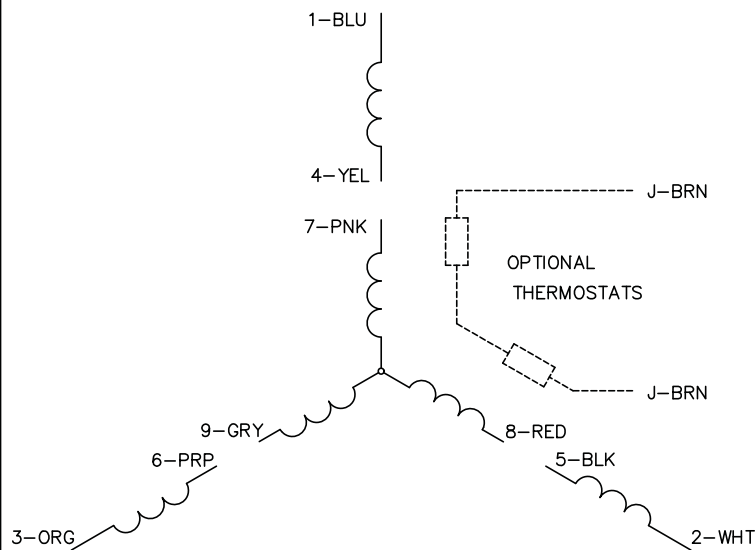
## WIRING DIAGRAM FOR STARTER & REMOTE SWITCH



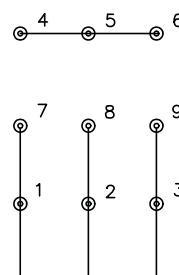
# **WIRING DIAGRAM FOR 60Hz 3-PHASE MOTOR**

BALDOR CAT. NO. EM3613T  
 5 H.P., 3 PHASE, 60 HERTZ, 3450 RPM,  
 230/460 VOLTS, 12/6 FULL LOAD AMPS

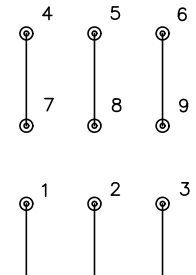
CD0005



LOW VOLTAGE  
(2Y)



HIGH VOLTAGE  
(1Y)



## **NOTES:**

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E BY: JLP REVISED: 01/19/99 10:15 TDR: 0171435

500000

FILE: AAA00005140

MDL: -

MTL: -

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

CD0005



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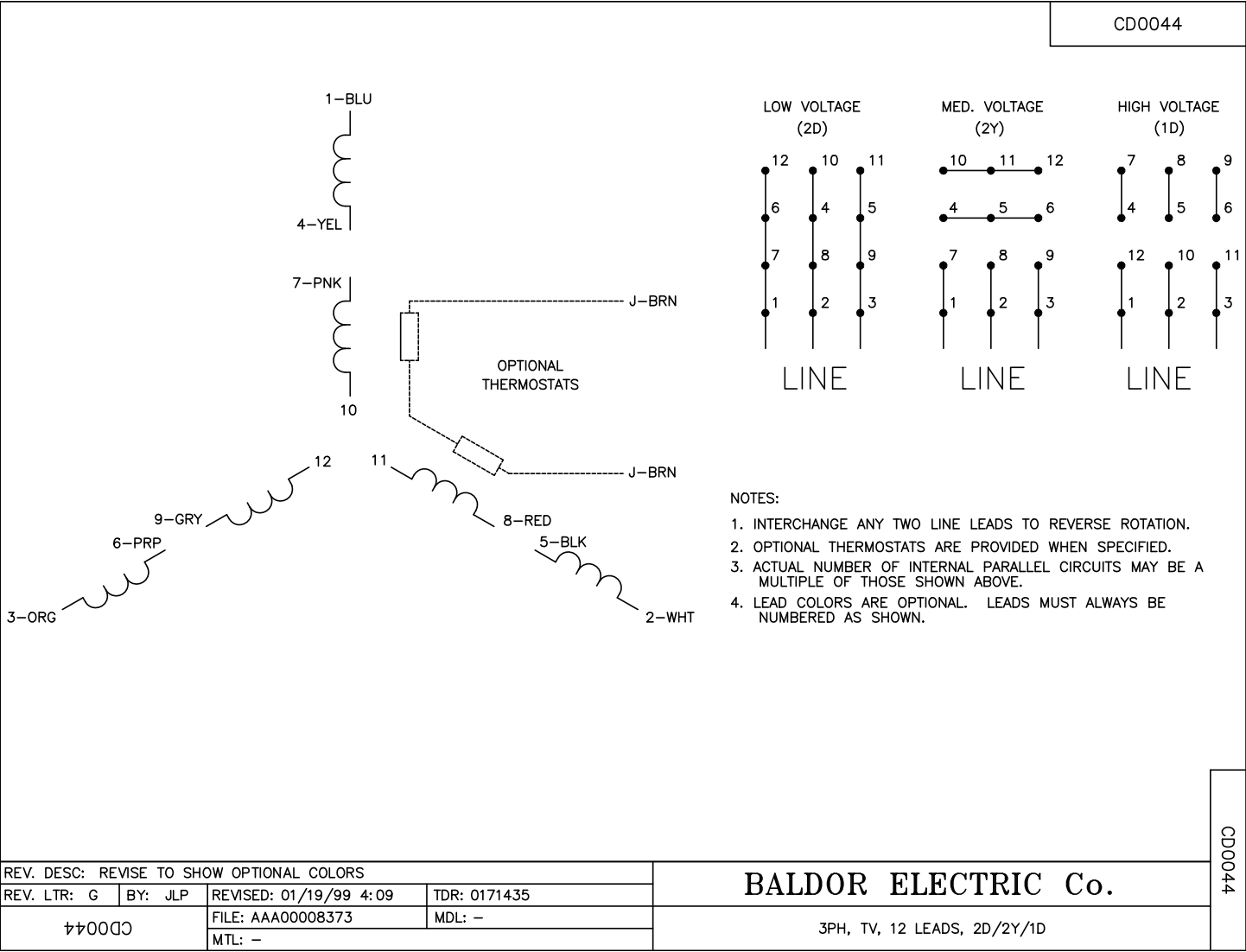
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WIRING DIAGRAM FOR 50Hz 3-PHASE MOTOR

BALDOR CAT. NO. M3613T-50  
5 H.P., 3 PHASE, 50 HERTZ, 2850 RPM,  
220/380/440 VOLTS, 13/7.6/6.5 FULL LOAD AMPS





## LIMITED EQUIPMENT WARRANTY OF SALE - TERMS & CONDITIONS

Equipment Development Company, Inc. herein referred to as EDCO (Seller) warrants that each new unit manufactured by EDCO to be free from defects in material and workmanship in normal use and service for a period of (1) one year (except for the cutter drum assembly on all model concrete/asphalt planes, in which case the warranty period shall be 90 days) from date of shipment to the original retail or equipment rental center owner.

Accessories or equipment furnished and installed on the product by EDCO but manufactured by others, including, but not limited to engines, motors, electrical components, transmissions etc., shall carry the accessory manufacturers own warranty.

EDCO will, at its option, repair or replace, at the EDCO factory or at a point designated by EDCO, any part which shall appear to the satisfaction of EDCO inspection to have been defective in material or workmanship.

EDCO reserves the right to modify, alter and improve any part or parts without incurring any obligation to replace any part or parts previously sold without such modified, altered or improved part or parts.

This warranty is in lieu of and excludes all other warranties, expressed, implied, statutory, or otherwise created under applicable law including, but not limited to the warranty of merchantability and the warranty of fitness for a particular purpose in no event shall seller or the manufacturer of the product be liable for special, incidental, or consequential damages, including loss of profits, whether or not caused by or resulting from the negligence of seller and/or the manufacturer of the product unless specifically provided herein. In addition, this warranty shall not apply to any products or portions thereof of which have been subjected to abuse, misuse, improper installation, maintenance, or operation, electrical failure or abnormal conditions and to products which have been tampered with, altered, modified, repaired, reworked by anyone not approved by seller or used in any manner inconsistent with the provisions of the above or any instructions or specifications provided with or for the product

### FORCE MAJEURE

Seller's obligation hereunder are subject to, and Seller shall not be held responsible for, any delay or failure to make delivery of all or any part of the Product due to labor difficulties, fires, casualties, accidents, acts of the elements, acts of God, transportation difficulties, delays by a common carrier, inability to obtain Product, materials or components or qualified labor sufficient to timely perform part of or all of the obligations contained in these terms and conditions, governmental regulations or actions, strikes, damage to or destruction in whole or part of manufacturing plant, riots, terrorist attacks or incidents, civil commotions, warlike conditions, flood, tidal waves, typhoon, hurricane, earthquake, lightning, explosion or any other causes, contingencies or circumstances within or without the United States not subject to the Seller's control which prevent or hinder the manufacture or delivery of the Products or make the fulfillment of these terms and conditions impracticable. In the event of the occurrence of any of the foregoing, at the option of Seller, Seller shall be excused from the performance under these Terms and Conditions, or the performance of the Seller shall be correspondingly extended.

This document sets forth the terms and conditions pursuant to which the purchaser ("Purchaser") will purchase and Equipment Development Co. Inc. ("Seller") will sell the products, accessories, attachments (collectively the Products ") ordered by the Purchaser. These terms and conditions shall govern and apply to the sale of Seller's Products to Purchaser, regardless of any terms and conditions appearing on any purchase order or other forms submitted by Purchaser to Seller, or the inconsistency of any terms therein and herein.

### 1. PRICE

All prices set forth on any purchase order or other document are F.O.B. Sellers facility or distribution point, as may be determined by Seller (F.O.B. Point). All prices are exclusive of any and all taxes, including, but not limited to, excise, sales, use, property or transportation taxes related to the sale or use of the Products, now or hereafter imposed, together with all penalties and expenses. Purchaser shall be responsible for collecting and/or paying any and all such taxes, whether or not they are stated in any invoice for the Products. Unless otherwise specified herein, all prices are exclusive of inland transportation, freight, insurance and other costs and expenses relating to the shipment of the Products from the F.O.B. point to Purchaser's facility. Any prepayment by Seller of freight insurance and other costs shall be for the account of Purchaser and shall be repaid to Seller.

### 2. PAYMENT TERMS

Payment terms are as follows. 2% 10 days (to approved and qualified accounts). Net 30 days. This is a cash discount for invoices paid within 10 days after the invoice date, regardless of date of receipt of shipment. This is not a trade discount and will not be granted to accounts that do not adhere to stated terms.

\*All past due accounts are subject to a late payment fee of 1.5% per month or a maximum allowed by law if different, along with the expenses incidental to collection including reasonable attorney's fees and costs.

\*Seller reserves the right to hold shipments against past due accounts.

\*Seller reserves the right to alter payment terms.

### 3. FREIGHT TERMS

All shipments will be made F.O.B. shipping point as designated in these Terms and Conditions, and title shall pass at the F.O.B. point. Delivery to the initial common carrier shall constitute delivery to the Purchaser. Any claims for loss or damage during shipment are to be filed with carrier by the Purchaser. Seller will not assume responsibility for the performance of the carrier.

Back orders will be shipped in the most practical fashion with charges consistent with our freight policy established with the original order. UPS, FED EX, MAIL or shipments by other couriers are subject to the same terms and conditions as outlined in paragraph #3 "Freight Terms".

### 4. DELIVERY, DAMAGES, SHORTAGES

Seller shall use reasonable efforts to attempt to cause the Products to be delivered as provided for in these Terms & Conditions. Delivery to the initial common carrier shall constitute the delivery to the Purchaser. Sellers responsibility, in so far as transportation risks are concerned ceases upon the delivery of the Products in good condition to such carrier at the F.O.B. point and all the Products shall be shipped at the Purchaser's risk. Seller shall not be responsible or liable for any loss of income and/or profits, or incidental, special, consequential damages resulting from Seller's delayed performance in shipment and delivery.

### 5. RETURN OF DEFECTIVE PRODUCTS

Defective or failed material shall be held at the Purchaser's premises until authorization has been granted by Seller to return or dispose of Products. Products that are to be returned for final inspection must be returned Freight Prepaid in the most economical way. Credit will be issued for material found to be defective upon Seller's inspection based on prices at time of purchase.

### 6. PRODUCTS ORDERED IN ERROR

Products may be returned, provided that claim is made and Seller is notified within 7 days of receipt of Products, and the Products are in original buyer's possession not more than 30 days prior to return, subject to Seller's approval. If Products are accepted for return, they must be Freight Prepaid and buyer will be charged a minimum of 15% restocking charge, plus a charge back for outbound freight charges if the original order was shipped prepaid. Returns are not accepted for any Products that are specifically manufactured to meet the buyer's requirement of either specifications or quantity.

### AGREEMENTS

These Terms and Conditions constitute the entire agreement between Seller and Purchaser as it relates to terms and conditions of sale, and supersedes any and all prior oral or written agreements, correspondence, quotations or understandings heretofore in force between the parties relating to the subject matter hereof. There are no agreements between Seller and Purchaser with respect to the Product herein except those specifically set forth in and made part of these terms and conditions. Any additional terms, conditions and/or prices are rejected by Seller.

These terms and conditions may be modified, cancelled or rescinded only by a written agreement of both parties executed by their duly authorized agents.

**USE ONLY GENUINE EDCO PARTS & ACCESSORIES**  
**For your own safety, the safety of others and the life of your machine.**

**Equipment Development Company, Inc.**