

REVISED STARTING SERIAL # 120610027

PARTS LIST MANUAL MODEL SEC



XO	SINGLE-DIS	SC CONCRETE FLOOR GRINDER
SKU#	MODEL#	POWER OPTION
50200	SEC-1.5L	LEESON MOTOR 1.5HP 60Hz 1-PHASE 115/230V
52500	SEC-1.75L/50/1	LEESON MOTOR 1.75HP 50Hz 1-PHASE 110/220V



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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 proceeded 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 <u>all</u> 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 <u>before</u> 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 <u>operators' responsibility</u> 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.





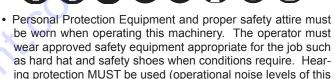














at all times.

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

equipment may exceed 90db). Eye protection MUST be worn

- · 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

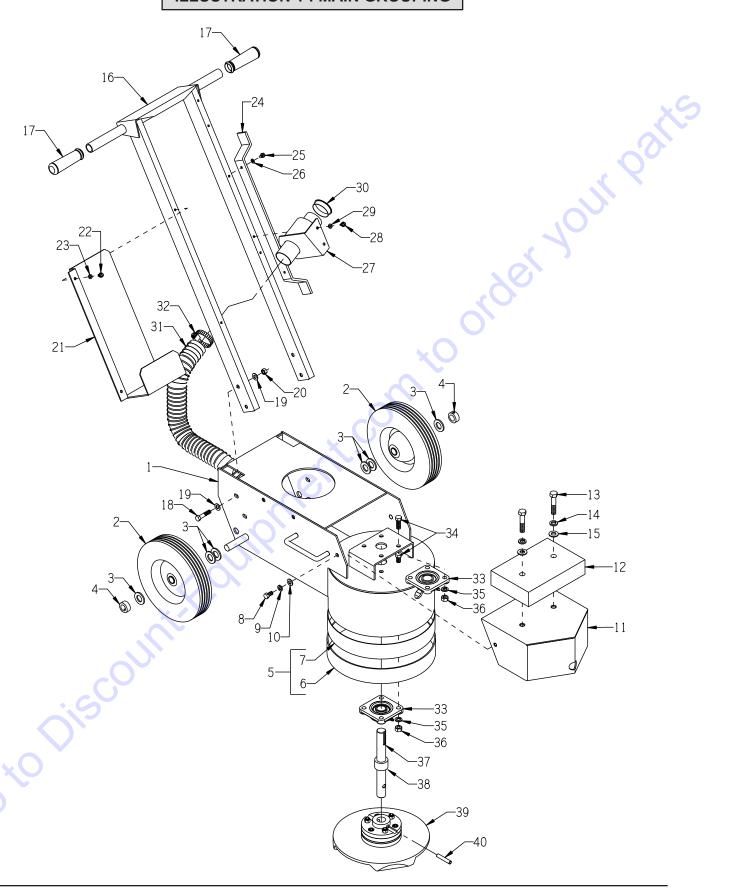
MODEL SEC SINGLE-DISC CONCRETE FLOOR GRINDER

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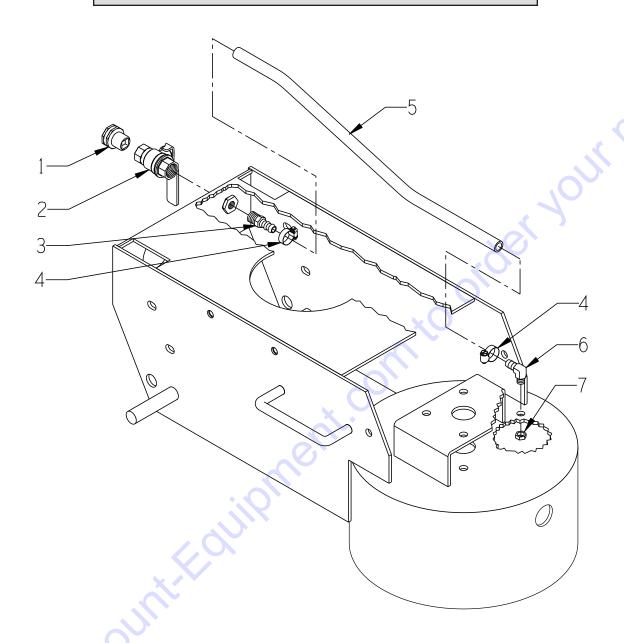
ILLUSTRATION 1: MAIN GROUPING



		DADTE LISTING II LUSTRATION 4. MAIN CROUDING	
		PARTS LISTING - ILLUSTRATION 1: MAIN GROUPING	
ITEM#	PART #	DESCRIPTION	QTY.
1	86401	MAIN FRAME, SEC(2)	1
2	28003	WHEEL 10 X 2-1/4 X 3/4"BRG, SEC	2
3	10009	WASHER, FLAT 3/4 SAE ZINC	6
4	10428	COLLAR, LOCKING 3/4"ID	2
5	86426K	RUBBER SKIRT W/ VELCRO LOOP & HOOK (INCLUDES ITEMS 6 & 7 TOGETHER)	1
6	86426	RUBBER SKIRT W/ VELCRO-LOOP ONLY, 2 X 39-1/8 (THESE 2 PIECES ARE SEWN TOGETHER)	1
7	86427	VELCRO-HOOK ONLY, 2" X 37-1/2", SEC (THIS PIECE IS PLACED AROUND THE BOTTOM EDGE OF THE SHROUD)	1
8	10907	SCREW, CAP 3/8-16 X 3/4	2
9	10811	WASHER, LOCK 3/8 ZINC	2
10	10025	WASHER, FLAT 3/8 SAE ZINC	2
11	86402	HOOD, SEC(2)	1
12	86345	WEIGHT BLOCK, 30 LB.	1
13	10323	SCREW, CAP 1/2-13 X 2-1/2	2
14	10045	WASHER, LOCK 1/2 ZINC	
15	10312	WASHER, FLAT 1/2 SAE ZINC	2
16	86304S	HANDLE BAR, SEC	1
17	10608	GRIP, HAND 1" MODEL AT	2
18	10029	SCREW, CAP 3/8-24 X 1-3/4	4
19	10025	WASHER, FLAT 3/8 SAE ZINC	8
20	10004	NUT, HEX LOCK 3/8-24 ZINC	4
21	86417	TRAY, TOOL BOX, SEC	1
22	10846	SCREW, CAP STSHW 1/4-20 X 1/2	2
23	10038	WASHER, LOCK 1/4 ZINC	2
24	86419	HOLDER, POWER CORD	1
25	10846	SCREW, CAP STSHW 1/4-20 X 1/2	2
26	10038	WASHER, LOCK 1/4 ZINC	2
27	86347	BRACKET, MULTI-VAC PORT 2-3"	1
28	10846	SCREW, CAP STSHW 1/4-20 X 1/2	2
29	10038	WASHER, LOCK 1/4 ZINC	2
30	65021	CAP/PLUG 2" RED PLASTIC, FLANGED	1
31	77113	HOSE, FLEX 2"ID X 32"L, GRINDERS	1
32	10766	CLAMP, HOSE, SAE #32, ADJ. TO 2-1/2	2
33	77008	BEARING, BALL 1" 4-HOLE FLANGE, ND	2
34	10003	SCREW, CAP 7/16-20 X 1-1/4 ZINC	8
35	10450	WASHER, LOCK 7/16 ZINC	8
36	10481	NUT, HEX 7/16-20 ZINC	8
37	86416	SHAFT, DRIVEN 1" X 9"L, SEC(2)	1
38	86232	SPACER 1-1/2"OD x 1"ID x 1"L", DY-1 & S-EC HEAD	1
39	8888	DISC ASSY. COMPLETE, MULTI-ACCY. RH (REFER TO ILLUSTRATION 3 FOR BREAKDOWN)	1
40	10063	PIN, ROLL 3/8 X 2	1



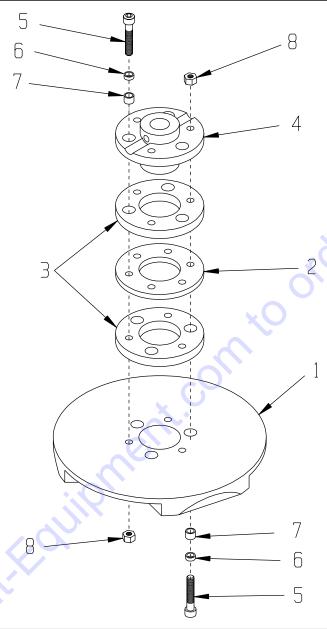
ILLUSTRATION 2: WATER VALVE & HOSE GROUPING



ITEM#	PART #	DESCRIPTION	QTY.
1	80021	CONN., SWIVEL FEM. 3/4HOSE X 1/2MPT	1
2	10711	VALVE, BALL 1/2 FPT	1
3	50075	BARB, 3/8 HOSE X 1/4MPT (BRASS)	1
4	50069	CLAMP, HOSE, SAE #6, ADJ. TO 13/16	2
5	86424	HOSE 3/8"ID X 20"L, SEC	1
6	11562	BARB ELBOW 90, 3/8HOSE X 1/8MPT BRASS	1
7	10864	NUT 1/8-27 PIPE THREAD (BRASS)	1



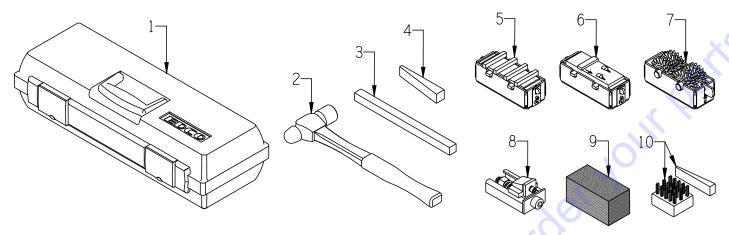
ILLUSTRATION 3: MULTI-ACCESSORY DISC ASSEMBLY



ITEM#	PART#	DESCRIPTION	QTY.
1-8	8888	DISC ASSEMBLY COMPLETE, RIGHT-HAND (ITEMS 1 THRU 8)	1
1	77088	DISC ONLY, MULTI-ACCY. R.H.	1
2	77020	RING, HUB CARRIER, 6-HOLE	1
3	10112	RING, RUBBER, 4-1/2"OD X 1/2"THK	2
4	77010	HUB, ALUMINUM 6-HOLE (GRINDER)	1
5	10114	SCREW, SKT. HD. CAP 3/8-24 X 2-1/4	6
6	10113	SPACER, STEEL 9/16OD X 3/8ID X 7/32"	6
7	10011	SPACER, STEEL 5/8OD X 3/8ID X 3/8"	6
8	10058	NUT, HEX LOCK 3/8-24 W/ NYLON PATCH	6



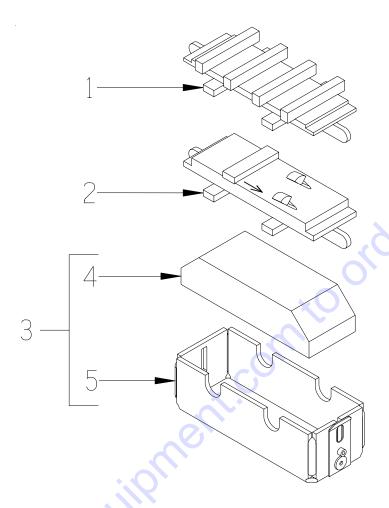
ILLUSTRATION 4: TOOL BOX & MULTI-DISC ACCESSORIES



NOTE: F	NOTE: REFER TO EDCO PRICE LIST FOR START-UP PAKS AND QUANTITIES			
ITEM#	PART#	DESCRIPTION	QTY.*	
1-3	12004	TOOL BOX W/ HAMMER & PUNCH, BLACK	1	
	12005	TOOL BOX W/ HAMMER & PUNCH, RED	1	
1	12001	TOOL BOX, BLACK (DYMA-SERTS™)	1	
	12002	TOOL BOX, RED (STRIP-SERTS™)	1	
2	12003	HAMMER, BALL PEIN 16 OZ.	1	
3	12006	PUNCH, GRINDER WEDGE, 5/8SQ X 9	1	
4	12160	WEDGE CG225, HARDWOOD	3	
5		DYMA-SERT™ ACCY. W/ HOLDING CASE	3	
		(SEE ILLUS. 5 FOR MORE DETAILS)		
6		PCDYMA-SERT™ ACCY. W/ HOLDING CASE	3	
		(SEE ILLUS. 5 FOR MORE DETAILS)		
7		SCARIFIER ACCESSORY:	3	
	12114	CG221 SCARIFIER HOLDING CASE ONLY		
	12120	CG222 TAW SCARIFIER, STANDARD INSERT		
	12130	CG223 TAW SCARIFIER, HEAVY-DUTY INSERT		
8	12400	STRIP-SERT™ ASSEMBLY	3	
	.0	(SEE ILLUS. 6 FOR MORE DETAILS)		
9		CG224V VITRIFIED GRINDING STONES:	3	
	11074	C10S SUPER COARSE		
	11014	C10 COARSE		
	11024 11034	C24 MEDIUM C80 FINE		
	11034	C120 SUPER FINE		
10	12170	CG101 WIRE BRUSH W/JR322 WEDGE	3	
10	12170	WEDGE ONLY JR322, HARDWOOD	3	
* ()	* QUANTITIES ARE THE NUMBER REQUIRED FOR 1-DISC GRINDER			
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	QUARTITIES ARE THE NOMBER REQUIRED FOR 1-DIOC ORTHOLIX			



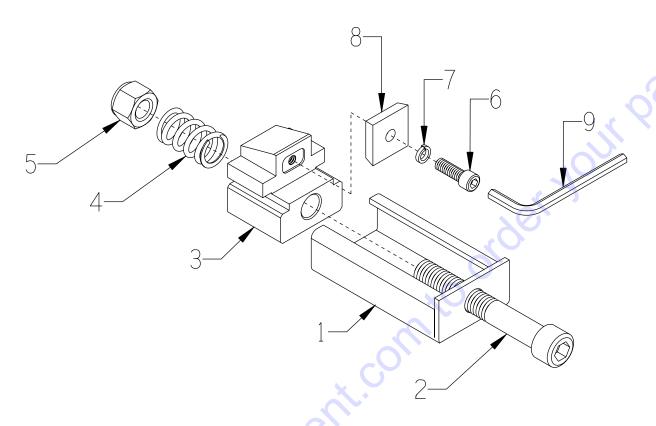
ILLUSTRATION 5: DYMA-SERT™ & PCDYMA-SERT™ ASSEMBLIES



ITEM#	PART#	DESCRIPTION	QTY.*
1		DYMA-SERT™ (SOLD SEPARATELY):	3
	19110	EG-1X, 30-40 GRIT (GENERAL PURPOSE)	
	19130	EG-2X, 30-40 GRIT (ABRASIVE CONCRETE)	
	19180	EG-3X, 30-40 GRIT (EPOXY MORTARS)	
	19250	EG-5X, 50 GRIT (TERRAZZO)	
	19260	EG-7X, 80 GRIT (TERRAZZO)	
45	19270	EG-9X, 120 GRIT (TERRAZZO)	
	19290	EG-23X, 200-230 GRIT (POLISHING)	
2	EDP2PCD-30	PCDYMA-SERT™ (SOLD SEPARATELY)	3
3	19120	CG221D DYMA-SERT HOLDING CASE W/PAD	3
4	19140	RUBBER SHOCK PAD	3
5	19121	DYMA-SERT™ HOLDING CASE	3
* QUANTITIES BASED ON 1-DISC GRINDER			



ILLUSTRATION 6: STRIP-SERT™ ASSEMBLY

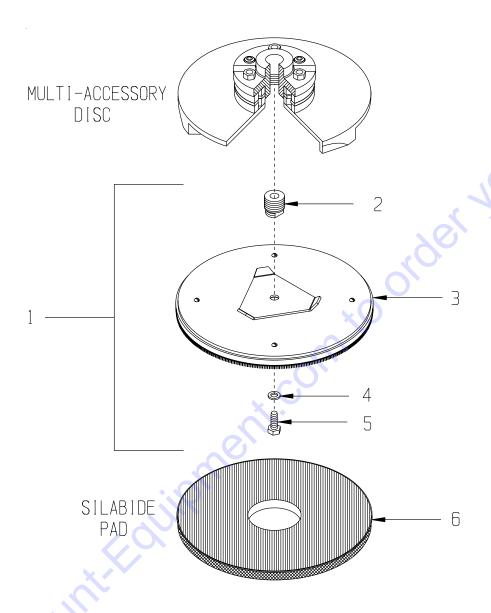


ITEM#	PART#	DESCRIPTION	QTY.
1-8	12400	STRIP-SERT ASSY. WITH PRO TUNGSERT	3*
1-7	12401	STRIP-SERT ASSY. WITHOUT PRO TUNGSERT	3*
1	12404	TUNGSERT HOLDER BOX, STRIP-SERT	1**
2	12405	SCREW, SKT.HD.CAP 1/2-13 X 3.5,GR.5	1**
3	12403	TUNGSERT BLOCK, STRIP-SERT	1**
4	12406	SPRING, COMP765"OD X 1.25"FL	1**
5	10155	NUT, HEX NYLON LOCK 1/2-13	1**
6	11573	SCREW, SKT. HD. CAP 1/4-20 X 3/4	1**
7.	11688	WASHER, HI-COLLAR LOCK .26ID X .363	1**
8	12407	PRO TUNGSERT (PACK OF 6) INCLUDES:	1**
		6 SCREWS & WASHERS, ITEMS 6 & 7 &	
\mathcal{O}		1 HEX WRENCH, ITEM 9.	
9	12413	WRENCH, HEX L-KEY 3/16", SHORT-ARM	1
	* 014	ANTITIES BASED ON 1-DISC GRINDER	

* QUANTITIES BASED ON 1-DISC GRINDER ** QUANTITIES BASED ON 1 STRIP-SERT ACCESSORY



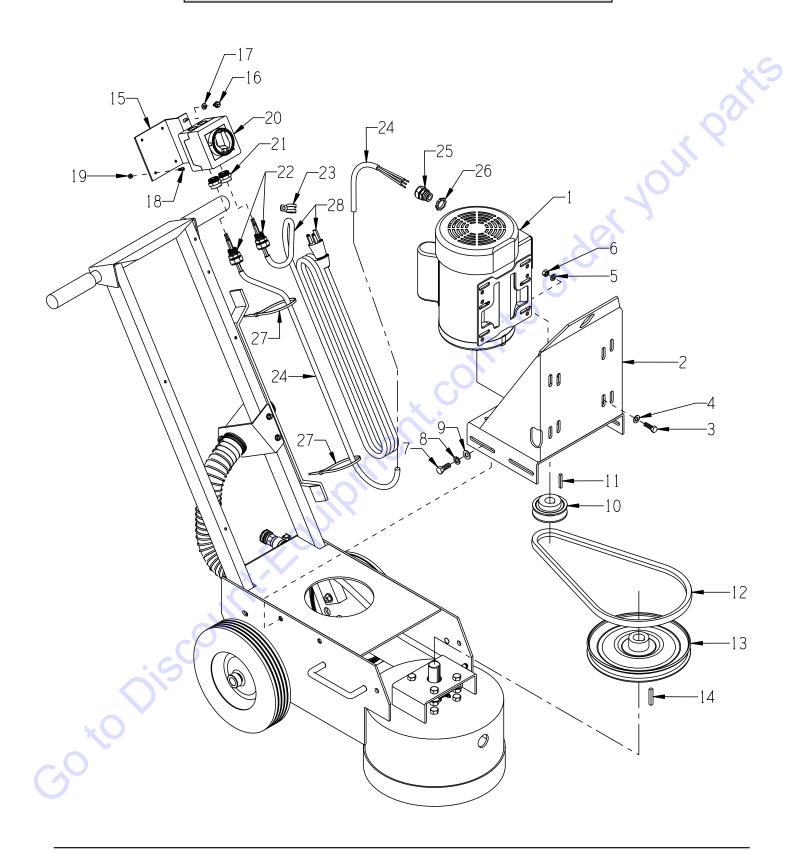
ILLUSTRATION 7: OPTIONAL PAD DRIVER DISC ASSEMBLY



ITEM#	PART#	DESCRIPTION	QTY.*
1	76040	PAD DRIVER DISC ASSEMBLY (INCLUDES ITEMS 2 THRU 5)	1
2	76042	HUB STUD, PAD DRIVER (GRINDER)	1
3	76041	DISC ONLY 11", PAD DRIVER	1
4	10312	WASHER, FLAT 1/2 SAE ZINC	1
5	10304	SCREW, CAP 1/2-20 X 1	1
6	13013	SILABIDE PAD, 11" MEDIUM (NOT INCLUDED W/ ASSEMBLY)	1
*QUANTITIES FOR ITEMS 1 THRU 6 ARE PER 1-DISC GRINDER			



ILLUSTRATION 8: MOTOR & BELT DRIVE GROUPING





	PARTS LISTI	NG - ILLUSTRATION 8: MOTOR & BELT DRIVE GROUPING	
ITEM#	PART#	DESCRIPTION	QTY.
1	16035	MOTOR, 1.5HP-1PH-60HZ-1725RPM-115/230V-17.2/8.6A	1
		LEESON CAT. NO. 113938.00 RED FARM-DUTY	
	16178	REPLACEMENT PARTS:CAPACITOR, START, LEESON 003025.15 (500MFD 125V)	1
	16159	CAPACITOR, RUN, LEESON 003014.20 (20MFD 240V)	1
	16179	RESET BUTTON, LEESON 300033.02 (CED2705)	1
	16060	MOTOR, 1.75HP-1PH-50HZ-1425RPM-110/220V	Q_1
		LEESON CAT. NO. 117051.00	
		REPLACEMENT PARTS:	
	16191	CAPACITOR, START, LEESON 003025.11 (650MFD 125V)	1
	16183 16133	CAPACITOR, RUN, LEESON 003014.13 (65MFD 240V)RESET BUTTON, LEESON 300117.04 (BRJ42DA)	2
2	86404	MOUNT, MOTOR	1
3	10806	SCREW, CAP 5/16-18 X 1	4
4	10213	WASHER, FLAT 5/16 SAE ZINC	4
5	10801	WASHER, LOCK 5/16 ZINC	4
6	10054	NUT, HEX 5/16-18 ZINC	4
7	10055	SCREW, CAP 3/8-16 X 1	4
8	10811	WASHER, LOCK 3/8 ZINC	4
9	10025	WASHER, FLAT 3/8 SAE ZINC	4
10	77017	SHEAVE 3"OD X 1GR.B X 7/8"BORE	1
11		KEY 3/16"SQ. X 1-3/8 (INCLUDED W/ MOTOR)	1
12	10277	BELT B-38	1
13	86009	SHEAVE 9" OD X 1GR.B X 1" BORE	1
14	40317	KEY 1/4SQ X 1-5/8	1
15	77042	BRACKET, LOVATO ROTARY CAM SWITCH	1
16	10846	SCREW, CAP STSHW 1/4-20 X 1/2	2
17	10038	WASHER, LOCK 1/4 ZINC	2
18	11663	SCREW, MACHINE 8-32 X 1/2 RHCD ZINC	4
19	10462	NUT, KEPS LOCK 8-32 ZINC	4
20	77043	SWITCH, ROTARY CAM ON/OFF, LOVATO	1
	77043-2	REPLACEMENT PARTS: SWITCH HANDLE, PADLOCKABLE, LOVATO	1
	77043-4	GASKET RING, OPERATOR, LOVATO	1 1
21	77043-1	SWITCH ADAPTER, PG16 TO 1/2"NPT	2
22	40066	STRAIN RELIEF 1/2NPT X .350450"	2
23	11690	CLAMP, LOOM, 3/8"	1
24	77045	WIRE HARNESS 12/3 X 42"LOA	1
25	16176	STRAIN RELIEF 3/4NPT X .350450"	1
26	10740	CONDUIT LOCK NUT 3/4 NP (LOCATED INSIDE JUNCTION BOX)	1
27	10982	TIE, CABLE, BLACK NYLON 11-1/4"	2
28	86422	CORD W/ PLUG, 25FT. POWER, STRAIGHT STYLE PLUG	1



ILLUSTRATION 9: WIRING DIAGRAM FOR SWITCH

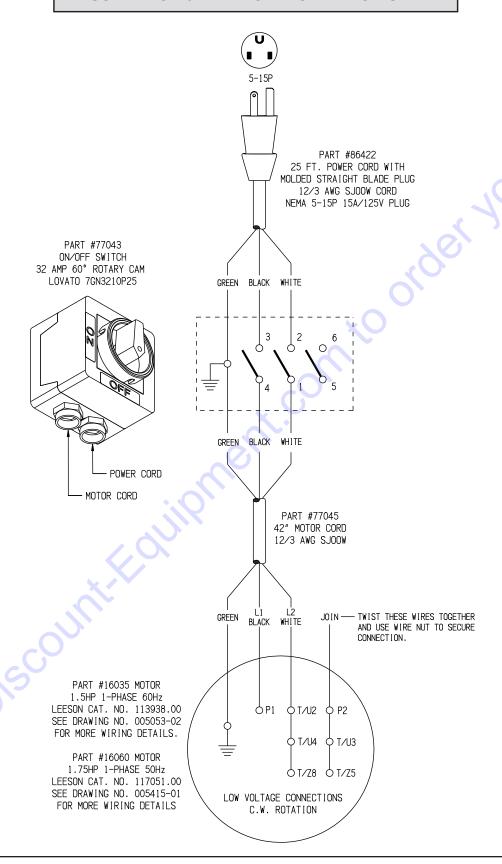




ILLUSTRATION 10: WIRING DIAGRAM FOR 60Hz MOTOR

LEESON CAT. NO. 113938.00 1.5 H.P., 1 PHASE, 60 HERTZ, 1725 RPM, 115/230 VOLT, 17.2/8.6 FULL LOAD AMPS

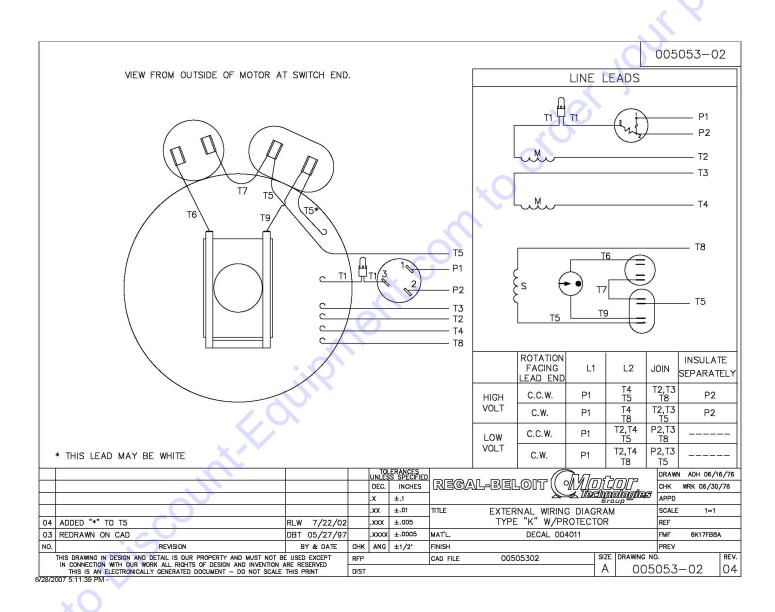
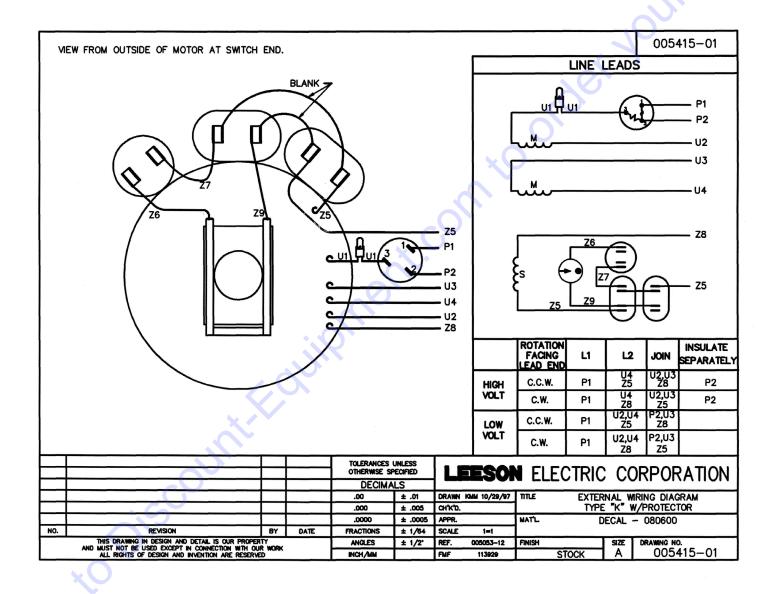


ILLUSTRATION 11: WIRING DIAGRAM FOR 50Hz MOTOR

LEESON CAT. NO. 117051.00 1.75 H.P., 1 PHASE, 50 HERTZ, 1500 RPM, 110/220 VOLT, 18.8/9.4 FULL LOAD AMPS



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