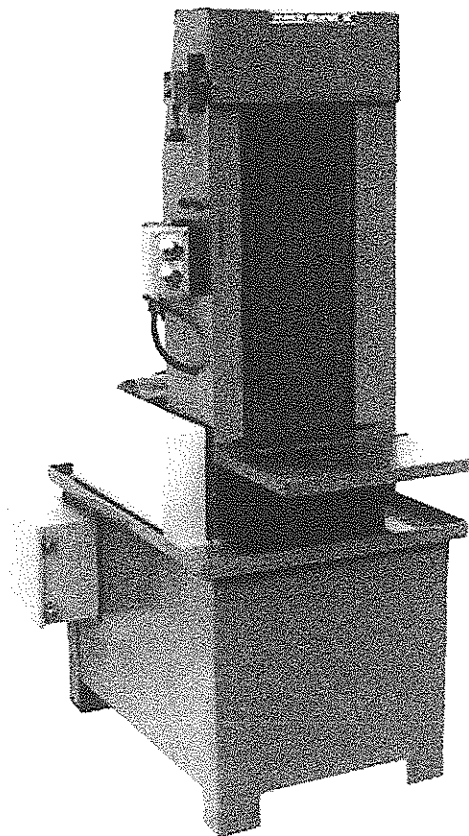


INSTRUCTION MANUAL

S10D, S10W



**KALAMAZOO
INDUSTRIES, INC.**

6856 East K Avenue

Kalamazoo, MI 49048

269-382-2050 PH

269-382-0790 FAX

www.kalamazooindustries.com

WARRANTY

All products are guaranteed for a period of one year to the original purchaser, against defects in material workmanship under normal use. Electric motors are warranted by the motor manufacturer and will be repaired by the nearest motor repair station. If non-repairable, they will be replaced by Kalamazoo Industries. Please call for instructions 269-382-2050.

RETURN POLICY

Authorization must be obtained before returning merchandise. Please call our customer service department for a return authorization number at 269-382-2050. Please include with your return a copy of your invoice or packing slip. Materials must be sent back prepaid. (Unless otherwise indicated). All returns will be subject to a 10% restocking charge. No returns will be accepted after one year of invoice date.

BELT SANDER SAFETY

- READ THE OPERATING INSTRUCTIONS BEFORE RUNNING MACHINE.
- ALWAYS WEAR SAFETY GLASSES OR A FULL FACE SHIELD FOR PROTECTION.
- KEEPS HANDS CLEAR OF THE SANDING AREA.
- NEVER WEAR GLOVES OR LOOSE FITTING CLOTHES WHEN OPERATING THIS MACHINE.
- ALWAYS KEEP HAIR TIED BACK OR COVERED.
- LET MACHINE ROTATION COME TO A FULL STOP BEFORE CHANGING BELT.
- KEEP SAFETY GUARDS IN PLACE. DO NOT ALTER GUARDS OR MACHINE IN ANY WAY. ANY ALTERATIONS TO GUARDS OR MACHINE COULD CAUSE SERIOUS INJURY.
- ALL BELT SANDERS SHOULD BE OPERATED IN A WELL-VENTILATED AREA. THE DUST CREATED WHEN SOME MATERIALS ARE SANDED CAN BE HARMFUL. DUST MASKS ARE RECOMMENDED AS A PRACTICAL MEANS OF MINIMIZING DUST INHALATION. FUMES FROM OTHER SOURCES CAN ALSO CAUSE FIRES WHEN IN CONTACT WITH SANDING SPARKS.
- SPARKS CREATED BY SANDING SHOULD BE DIRECTED DOWNWARD AND AWAY FROM THE FACE AND BODY. DO NOT GRIND NEAR FLAMMABLE MATERIAL.
- ELECTRIC SANDING MACHINES ARE NOT INTENDED FOR USE IN OR NEAR WATER. THIS INCLUDES AN OPERATOR STANDING ON A WET FLOOR OR WORKING AROUND CONTAINERS OF WATER OR OTHER CONDUCTIVE LIQUIDS.

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Made in USA

INSTRUCTIONS FOR S10D & S10W BELT SANDER

Belt tensioning- The abrasive belt tension is controlled by air pressure. Normal air pressure required is 50-55 PSI. Connect shop air to air regulator (item 4). Set regulator gage to 50-55 PSI for best performance. Too much air pressure will stretch abrasive belt; too little air pressure will result in poor tracking. Use control valve (item 33) to tension or release tension of the abrasive belt.

Belt tracking- Use tracking control knob (item 6) to center the abrasive belt on the steel platen (item 16). Keep abrasive belt centered on the platen at all times. After changing abrasive belt, re-check tracking to insure that abrasive belt is centered on platen. Use the 'jog' mode on switch (item 5) to check belt tracking before running machine. Rotate switch collar to 'jog mode', push in jog button to start machine. When abrasive belt is tracked, rotate switch collar to 'run' and push button for continuous running.

Belt changing- Turn electrical power switch (item 5) "OFF". Use control valve (item 33) to release air tension on abrasive belt. Open belt guard door (item 12) and remove belt by sliding off pulleys. Replace belt and close guard door; re-tension belt with the air control valve. Use "jog" mode on switch to check for correct belt tracking. Return switch to "run" mode and operate machine.

Coolant- Use only a rust inhibiting coolant in the machine. Any brand of coolant may be used that suits the job. DO NOT use straight water. Rust and corrosion of the machine will result. **FOR S10W ONLY.**

Lubrication- The most important lube required is on the pillow block bearings on the drive pulley (item 31). Grease both bearings every 30 days. More often when sander is in continuous use.

Grease motor and yoke post as needed.

Work Table- The work table (item 22) tilts for angle sanding. To tilt work table loosen cap screws (item 23) on both sides of table. Adjust to desired angle. Re-tighten cap screws securely. Loosen cap screws in work table mounting bracket and slide bracket/table towards sanding belt. Keep work table edge within 1/8" of sanding belt at all times. Re-tighten mounting bracket cap screws.

CAUTION: ALWAYS KEEP WORKTABLE (ITEM 22) WITHIN 1/8" OF SANDING BELT. TOO LARGE OF GAP MAY CAUSE PARTS TO BE PINCHED BETWEEN BELT & PLATEN RESULTING IN INJURY!

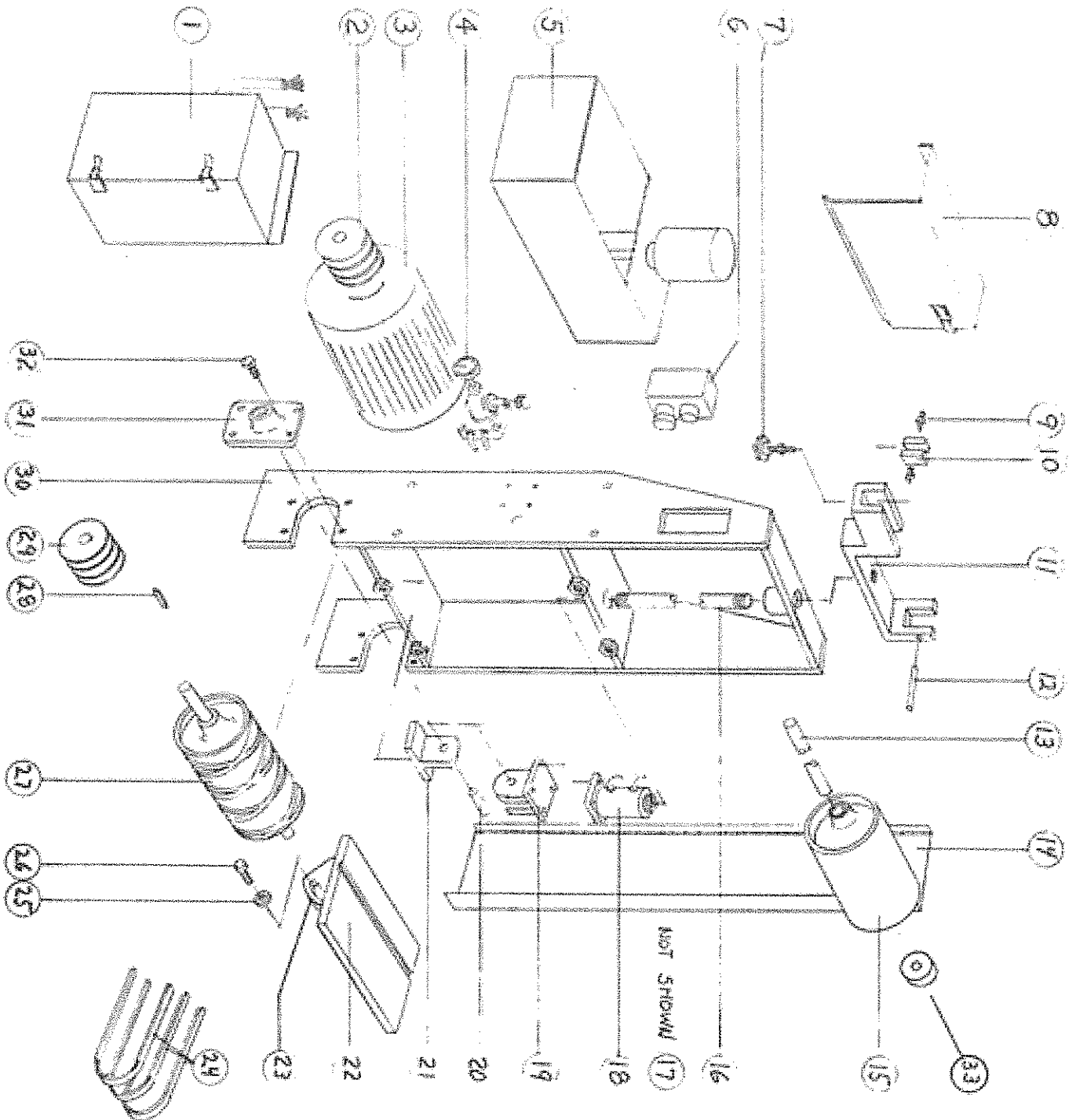
****NOTE****

To achieve 28" of platen working surface, on wet sanders, you must open splash guard door located in front of upper sanding belt area and tilt work table.

Maintenance for S10W belt sander

- Clean out coolant tank frequently. Clean off machine top after use. If not using the machine for long periods, drain coolant tank and clean out.
- Keep drive belts tight. 1/2" of slack when squeezed.
- Oil top of worktable to minimize rust.
- Release air tension on belt when not using machine.

**KALAMAZOO INDUSTRIES, INC.
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No.	Part No.	Description	QTY
1	580-038	Electrical Box	1
2	486-040	Motor Pulley	1
3	912-006	Air Gauge & Regulator	1
4	716-011	Coolant Package	1
5	441-016	Push Button Switch	1
6	441-016	Tracing Knob	1
7		Hood	1
8		Tracing Screw	2
9	033-023	Tracing Blocks	2
10	960-016	Yoke	2
11		3/16 x 2 Roll pin	2
12	701-042	Idler Springs	2
13	147-005	Drive	1
14	260-034	Idler Pulley	1
15	700-031	Tension Shaft	1
16	503-025	Steel Pulley	1
17	573-004	Air Tension Cylinder	1
18	131-003	Clean Air Cylinder	1
19		Pin, Air Cylinder	1
20		Pin, Bracket	1
21	829-024	Work Table	1
22	711-013	Tension Lock	1
23	051-010	V-Belt	1
24		Washer	2
25		1/2-13 x 1 Hex Head Bolt	2
26	701-043	Drive Springs with Pulley	1
27		Key for Drive Splines	1
28	960-036	Sampling Pulley	1
29	291-032	Main Frame	1
30	041-013	Springs	2
31		1/2-13 x 1 SCREW HEAD CAP SCREWS	8
32	EP20K	Bearing for Idler Pulley	2

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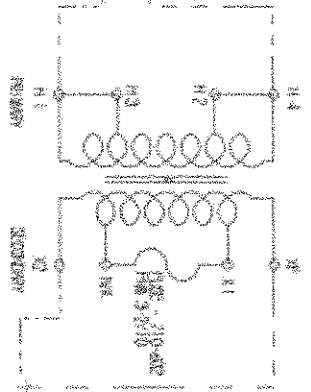
S10D, S10W

MODEL	S10D, S10W
DATE	
REVISION	
DESIGNED BY	
CHECKED BY	
APPROVED BY	

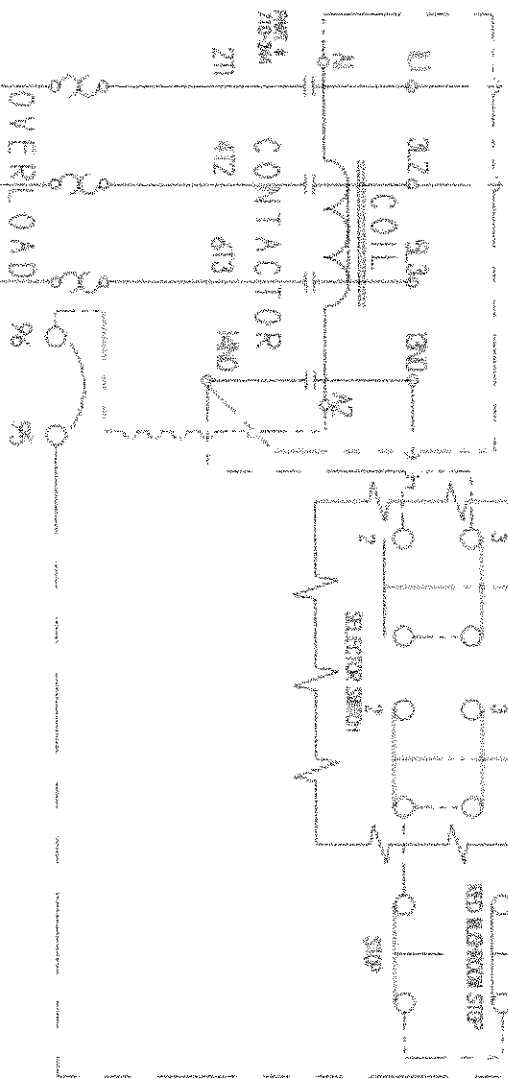
WIRING SCHEMATIC FOR SIDDRY SANDER 3 PHASE POWER

240 VOLT TAP - 710-035 - 710-041
480 VOLT TAP - 710-036 - 710-042

TRANSFORMER

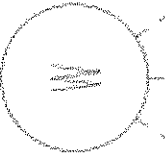


CONNECT SUPPLY VOLTAGE
TO LL 3, 2 AND 5, 3

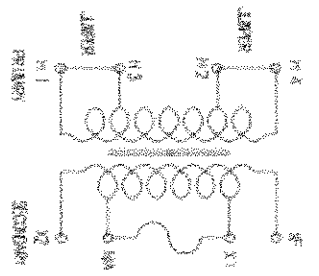


240 VOLT - 710-035 - 24 AMP 271
480 VOLT - 710-036 - 12.5 AMP

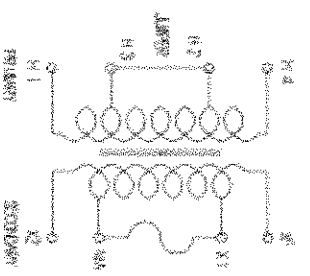
THREE PHASE MOTOR
DRAW



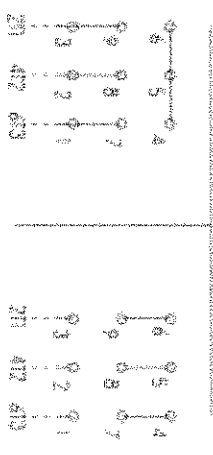
TRANSFORMER
SET FOR 240 VOLT



TRANSFORMER
SET FOR 480 VOLT



MOTOR LEAD CONNECTION



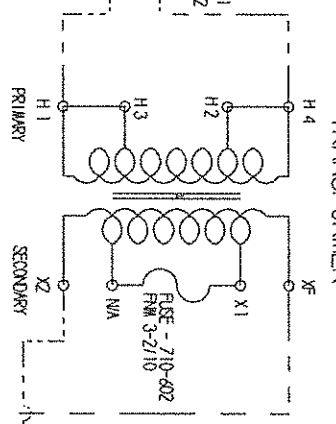
3 PHASE
LOW VOLTAGE
MINIMUM 100 AMP LINES
NO NEUTRAL RETURN
3 PHASE
HIGH VOLTAGE

WIRING SCHEMATIC FOR SIO HW SANDER 3 PHASE POWER

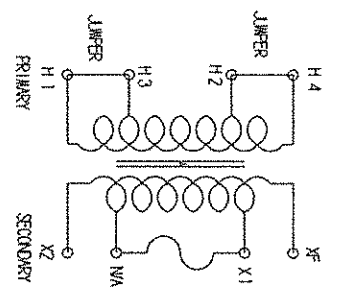
240 VOLT FUSES - 710-605 - RPO-R-1
 480 VOLT FUSES - 710-606 - RPO-R-1/2

CONNECT SUPPLY VOLTAGE TO L1 3L2 AND 5L3

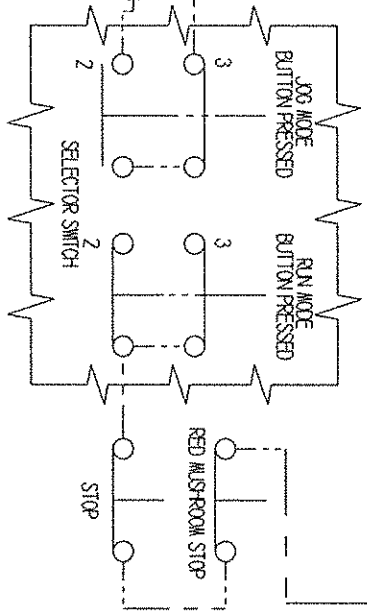
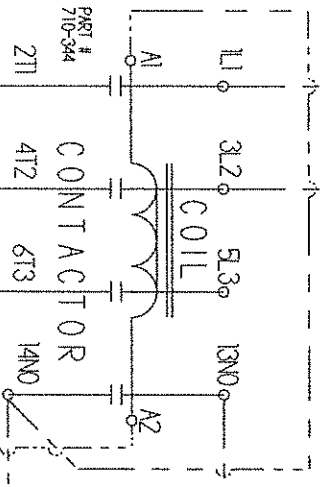
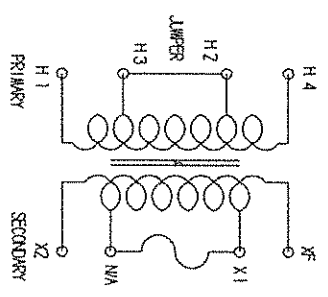
TRANSFORMER



TRANSFORMER SET FOR 240 VOLT

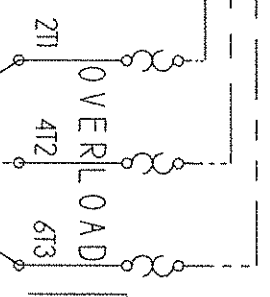
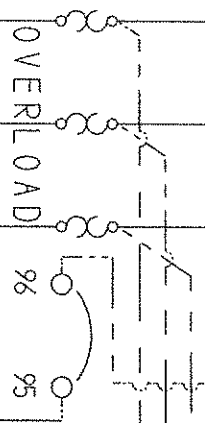
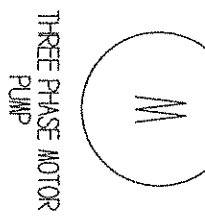
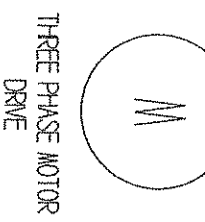


TRANSFORMER SET FOR 480 VOLT

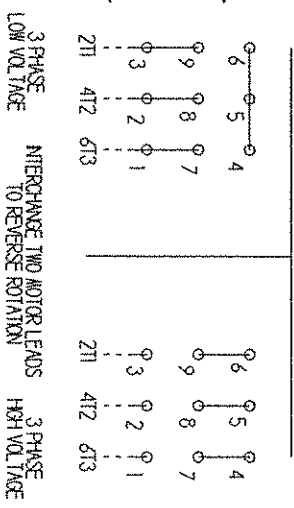


240 VOLT - 710-678 - 24 AMPS
 480 VOLT - 710-634 - 12.5 AMPS

240 VOLT - 710-631 - 0.80 AMPS
 480 VOLT - 710-738 - 0.60 AMPS



MOTOR LEAD CONNECTION



Y
 X