To Remove Core Boards

Push firmly from underneath the working table until core board is removed.

To Insert Core Boards

1.Align the notch in the core board with the spring dowel (#35) located on the inner rim of the core board insert area.

2.Push down firmly until the core board is fully inserted and flush with the surface of the working table.

Preparing For Operation

NOTE:

1.This sander is designed for use on plastic and wood surfaces only. Dot not use this sander for sanding metals. Sanding metals will cause sparks that will ignite wood and dust particles on sander, in the dust collector, or in workshop.

2.It is recommended that this tool not be used for extended work on any fiberglass or abrasive materials It has been found that those materials are subject to accelerated wear and possible premature failure. as the fiberglass chips and grindings are highly abrasive to bearings, brushes, commutator, etc During any sanding of these materials, it is important the tool be cleaned frequently blowing with an air jet.

3.Do not use sander without sander belt. Doing so will damage the rotating axle.

4.Make sure nut on the top of the rotating axle is tightened securely-but not overtightened.

SAND BELT SELECTION

Selecting the correct size diameter, type of grit and sanding sleeve is an extremely important step in achieving a high quality finish:

1.Aluminum oxide, silicon carbide, and other synthetic abrasives are best for power sanding.

2.Natural abrasives, such as flint and garnet are too soft for use in power sanding.

3.Select and install the desired sand belt for the particular application. Sand belts from 21mm-51mm can be used with this sander. Choose one that is close in size to the material you are sanding.

GRIT SELECTION

The condition of the surface to be sanded will determine which grit will do the proper job. In general, coarse grit will romove the most material. Finer grit will produce the best finish in all sanding operations. If the surface is rough, start with a coarse grit an sand until the surface is uniform. Medium grit may then be used to remove scratches left by the coarser grit and finer grit used for finishing of the surface. Always continue sanding with each grit until the surface is uniform.

Operation

Exercise caution! Never force the material into the sander. You will become familiar with the sander's features from practice and use. If possible, practice sanding with a scrap piece of wood.

ADJUSTING TABLE ANGLE

1.If working table is to be used at an angle, make sure to install the angle core board (with the oblong shaped opening)before sanding.

2.Loosen dial knob (#32) and adjust working table to the desired angle using the numbers on the rotating plate (#31) as a guide.

3.Tighten dial knob secureiy so that the working table will not move during opoeration.

SANDING

1.Turn sander on.

2.Let the motor build to its full speed, then gradually feed material against sanding sleeve.Do not let the material contact sanding sleeve before turning on sander and allowing it to develop full speed.

FEED DIRECTION

When sanding, the sanding sleeve rotates clockwise. Therefore, feed the material against the sanding sleeve . When the rotation of the sanding sleeve sands against the material. If fed in the opposite direction, the rotation forces of the spinning sanding sleeve will tend to throw or

bounce the material away from the sanding sleeve. This could cause loss of control of the material.

Grounding /Voltage Warning

1.Common household current is 110-120 and 220-240 volts. As long as the tool is rated from 110-120V or 220-240V there will be no complications using this tool with household receptacles. Plug the sander into a 110-120V or 220-240V properly grounded outlet protected by a 5-amp, dual element time delay or circuit breaker.

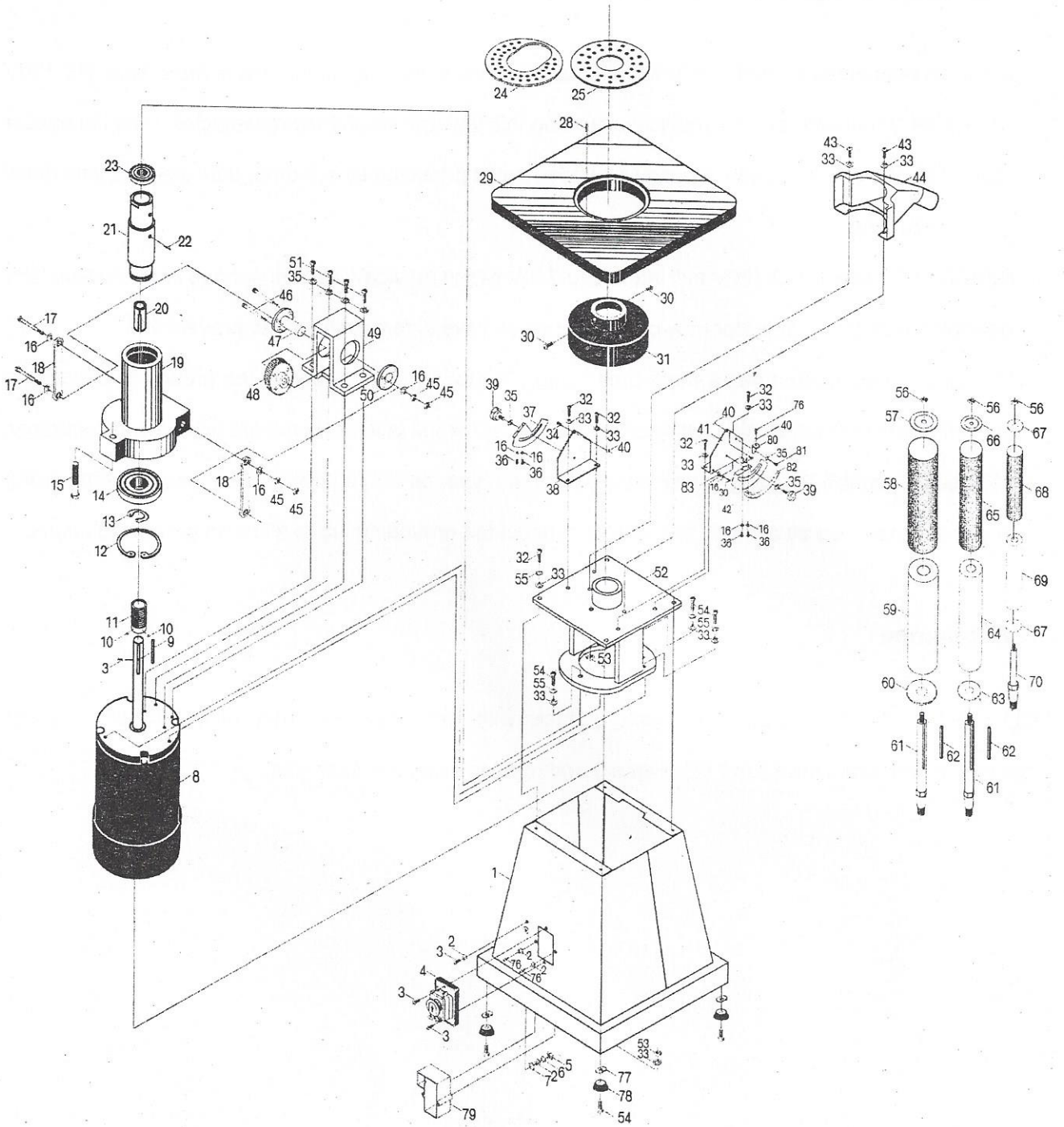
2.NEVER try to plug a 110-120V tool into a 220-240V circuit (or vice-versa) or serious complications and possible injury to the operator may occur. The plugs have different shapes to prevent this.

3.This piece of equipment has a three-prong plug .The third (round) prong is the ground to protect the operator from electric shock. Cutting off the ground will result in a safety hazard and void the warranty.

4.If the outlet you are planning to use is the two-prong type, do not remove or alter the grounding prong in any manner. Use an adapter and always connect the grounding lug to a known grounding source.

Maintenance

CLEANING: Regularly clean the work surface with dry brush or clean cloth. Clean sawdust accumulations form core board, big washers and rotating axle after each use.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NO.	DEC.	QTY
1	Base	1
2	Washer 4	4
3	Cross recessed pan head screw M4X12	4
4	Switch	1
5	Hexagon nut M4	1
6	Spring washer 4	1
7	Lock washer external teeth 4	1
8	Motor	1
9	Key 5 X 5X50	1
10	Hexagon socket set screws with flat point M6 X5	2
11	Worm	1
12	Circlips for holes 55	1
13	Circlips for shaft 32	1
14	Bearing 80106	1
15	Hexagon head bolt M8 X75	1
16	Washer 5	8
17	Rock arm dowel	2
18	Rock arm parts	2
19	Guide column	1
20	Inner sleeve for bobbin shaft	1
21	Bobbin shaft sleeve	1
22	Parallel pin Ø4 X30	1
23	Bearing 61804	1
24	2" center board	1
25	2" long hole center board	1
28	Spring-type straight pin Ø3 X8	1
29	Work table	1
30	Cross recessed pan head screw M5X6	2
31	Dust cover	1
32	Hexagon head bolt M8X20	8
33	Washer 8	17
34	Cross recessed pan head screw M6 X20	2
35	Washer 6	7
36	Cross recessed pan head screw M5 X10	4
37	Rotating disc	1
38	Left frame	1
39	Dial knob	2
40	Hexagon nut M6	3
41	Right frame	1
42	Dial	1
43	Cross recessed pan head nail M8 X16	2
44	Dust collect cover	1

45	Hexagon nut M5	4
46	Hexagon socket cap head screw M5 X30	2
47	Right core shaft	1
48	Worm wheel	1
49	Worm wheel frame	1
50	Left core shaft	1
51	Hexagon head bolt M6 X16	4
52	Motor frame	1
53	Hexagon nut M8	5
54	Hexagon head bolt M8 X25	7
55	Spring washer 8	7
56	Hexagon nut M8-left	3
57	2" convex washer	1
58	2" sand sleeve	1
59	2" rubber drum	1
60	2" rubber drum washer	1
61	Connecting rod	2
62	Key 5X5X50	2
63	1-1/2" rubber drum washer	1
64	1-1/2" rubber drum	1
65	1-1/2" sand sleeve	1
66	1-1/2" convex washer	1
67	Big washer	2
68	3/4" sand sleeve	1
69	3/4" rubber drum	1
70	3/4" connecting rod	1
76	Cross recessed pan head tapping screw ST3.5X12	2
77	Washer nut	4
78	Rubber washer	4
79	Bottom plate of switch box	1
80	Support board	1
81	Hexagon socket cap head screw M6X12	1
82	Dial scale	1
83	Point	1
84	Hexagon head screw M6X14	1