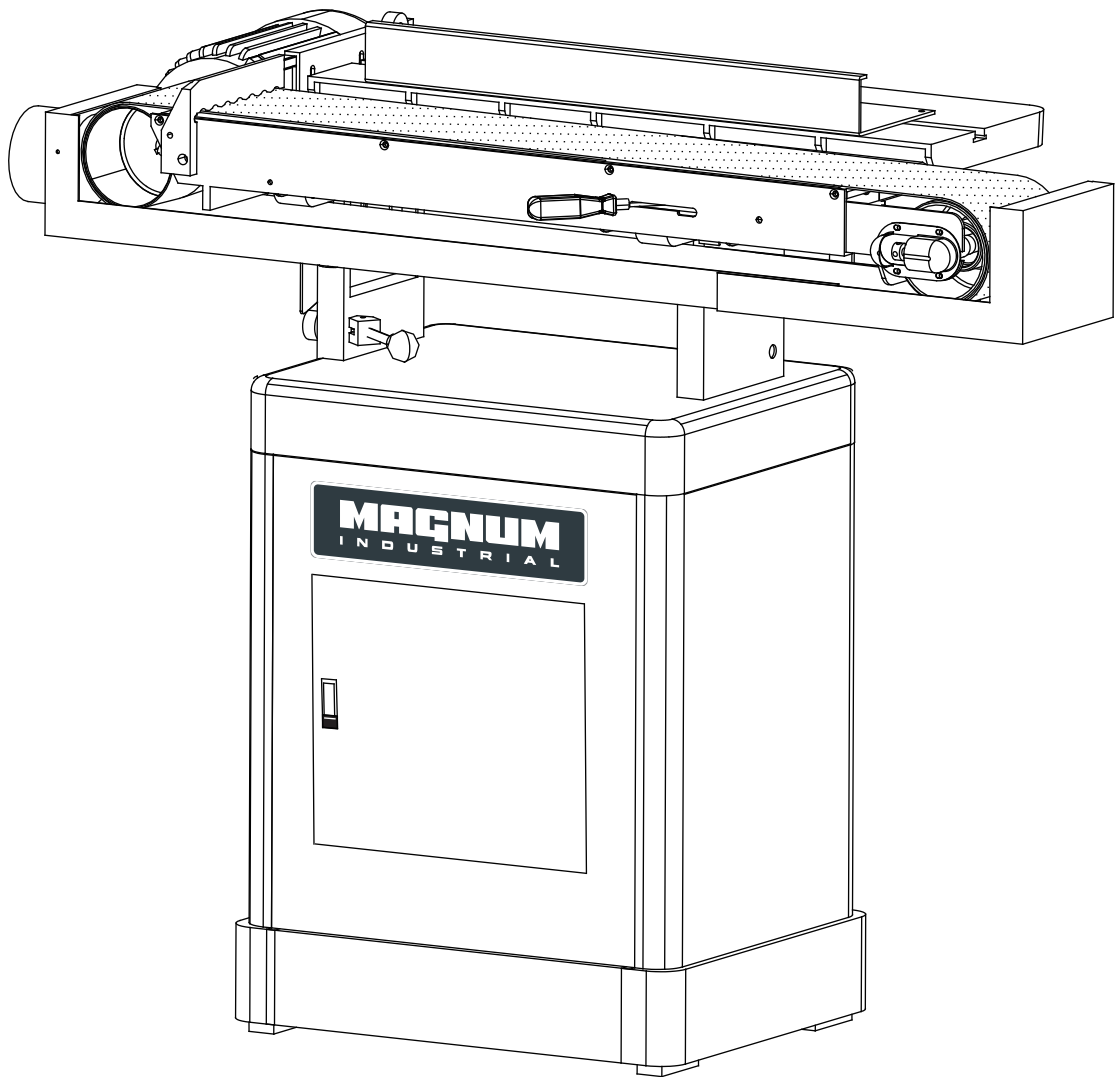


# **MAGNUM**

## **I N D U S T R I A L**

**MODEL NO.: MI-16400**



***OPERATING MANUAL***

## WARNING

For Your Own Safety Read instruction Manual Before Operating Sander.

1. Wear eye protection.

2. Support Workpiece with backstop or worktable.

1. KEEP GUARDS IN PLACE and in working order.

2. REMOVE ADJUSTING KEYS AND WRENCHES. Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.

3. KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents.

4. DON'T USE IN DANGEROUS ENVIRONMENT. Don't use power tool in damp or wet locations, or expose them to rain. Keep work area well lighted.

5. KEEP CHILDREN AWAY ALL visitors should be kept safe distance from work area.

6. MAKE WORKSHOP KID PROOF with padlocks, master switches, or by re moving starter keys.

7. DON'T FORCE TOOL. It will do the job better and safer at the rate for which it was designed.

8. USE RIGHT TOOL. Don't force tool or attachment to do a job for which it was not designed.

9. WEAR PROPER APPAREL. Wear no loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair. Exception: the reference to gloves may be omitted from the instructions for a grinder.

10. ALWAYS USE SAFETY GLASSES. Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.

11. SECURE WORK. Use clamps or a vise to hold work when practical. It's safer than using your hand and it frees both hands to operate tool.

12. DON'T OVERREACH. Keep proper footing and balance at all times.

13. MAINTAIN TOOLS WITH CARE. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.

14. DISCONNECT TOOLS before servicing changing accessories, such as blades, bits, cutters, and the like.

15. REDUCE THE RISK OF UNINTENTIONAL STARTING. Make sure switch is in off position before plugging in.

16. USE RECOMMENDED ACCESSORIES. Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.

17. NEVER STAND ON TOOL. Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.

18. CHECK DAMAGED PARTS. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function – check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.

19. DIRECTION OF FEED. Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.

20. NEVER LEAVE TOOL RUNNING UNATTENDED TURN POWER OFF. Don't leave tool until it comes to a complete stop.

## A.GROUNDING INSTRUCTIONS

1. All grounded, cord-connected tools: in the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not modify the plug provided - if it will not fit the outlet, have the proper outlet installed by a qualified electrician. Improper connection of the equipment grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.

Check with a qualified electrician or service personnel if the grounding instructions are not completely understood or if in doubt as to whether the tool is properly grounded. Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the tool's plug. Repair or replace damage or worn cord immediately.

2. Grounded, cord-connected tools intended for use on a supply circuit having a nominal rating less than 150 volts.

This tool is intended for use on a circuit that has an outlet that looks like the one illustrated in Sketch A in Figure. The tool has a grounding plug that looks like the plug illustrated in Sketch A in Figure.

A temporary adapter, which looks like the adapter illustrated in Sketches B and C, may be used to connect this plug to a 2-pole receptacle as shown in Sketch B if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet can be installed by a qualified electrician. The green-colored rigid ear, plug, and the like extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box.

3. Grounded, cord-connected tools intended for use on a supply circuit having a nominal rating between 150-250 volts, inclusive:

This tool is intended for use on a circuit that has an outlet that looks like the one illustrated in Sketch D in Figure. The tool has a grounding plug that looks like the plug illustrated in Sketch D in Figure.

Make sure the tool is connected to an outlet having the same configuration as the plug. No adapter is available or should be used with this tool. If the tool must

be reconnected for use on a different type of electric circuit, the reconnection should be made by qualified service personnel; and after reconnection, the tool should comply with all local code and ordinances.

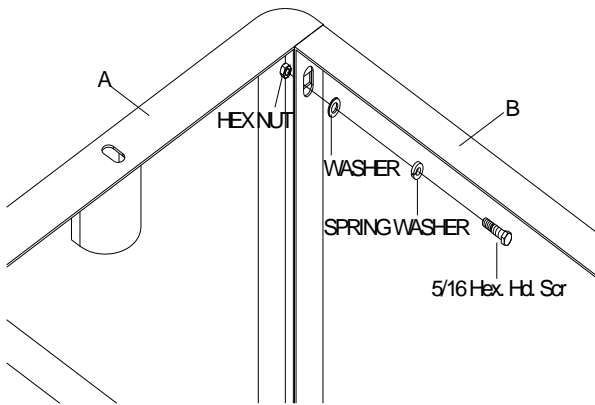
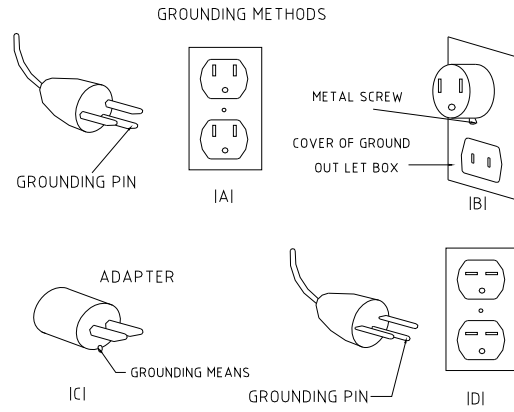


Fig: 1

The way to change sand band

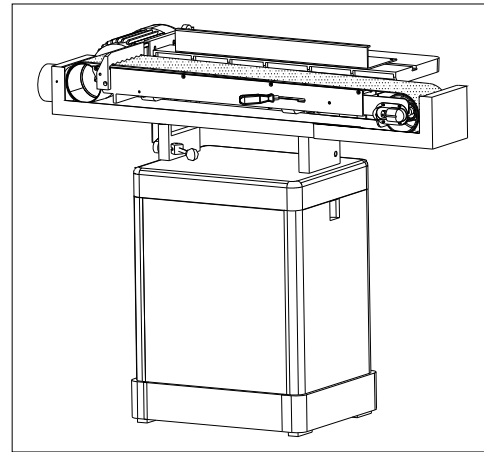


Fig: 3

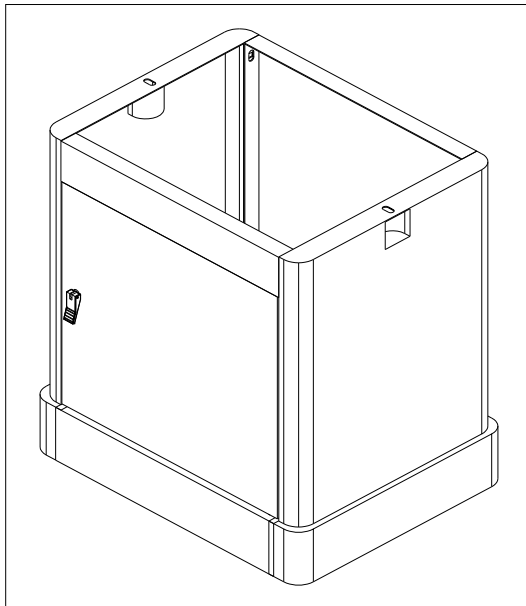


Fig: 2

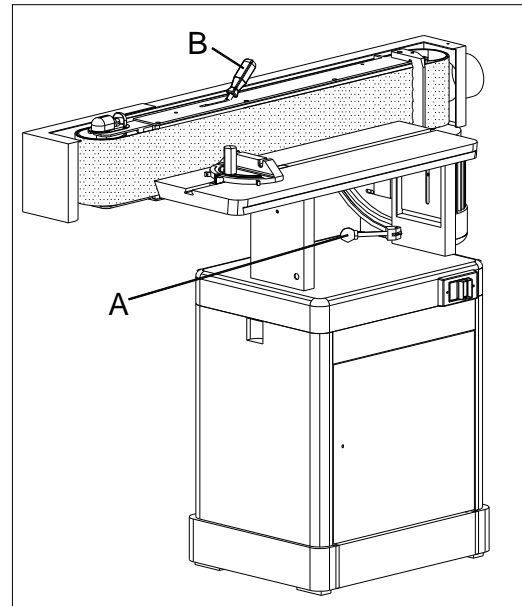


Fig: 4

1. STAND ASSEMBLY : CLAMP PART(A) AND PART(B) BY HEX NUT , WASER, SPRING WASER AND SCREW. SEE.FIG.1
2. STAND ASSEMBLY ,SEE FIG.2

1. SANDING TABLE CAN BE ADJUSTED 90° — 180° ,SEE FIG.4

2. ADJUST CLAMP HANDLE (B) AT DESIRED TO CHANGE NEW BELT. SEE FIG.4

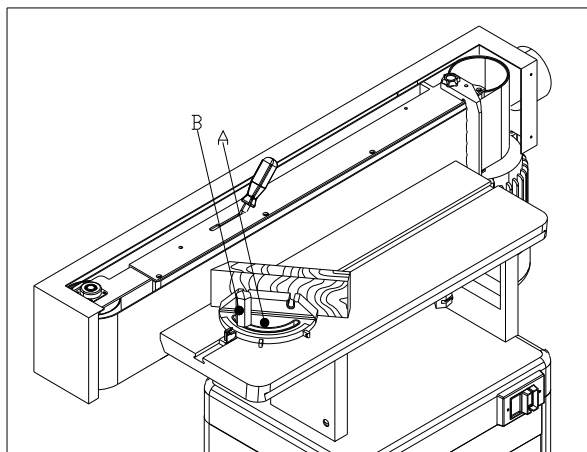


Fig: 5

- 1.MITER GAUGE (A) CAN BE ADJUSTED 45° — 90° AND CLAMPED BY HEX. HANDLE (B), SEE FIG.5
- 2.ADJUST MITER GAUGE(A)
- 2.ADJUST MITER GAUGE(A) TO GET REQUIRED ANGLE GAUGE.

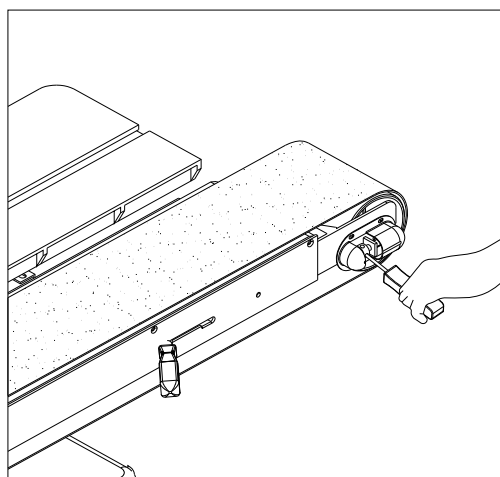


Fig: 6

ADJUST ROLLER TO TRACK BELT SEE FIG. 6

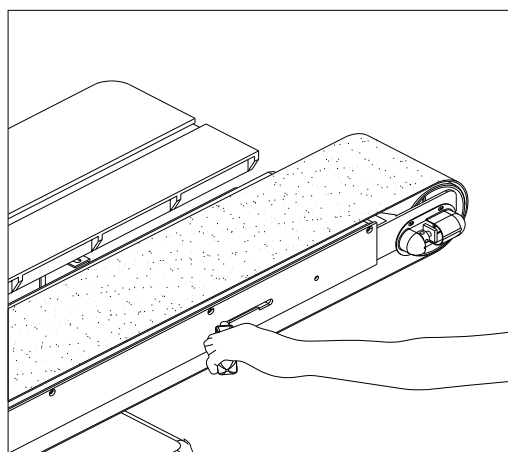


Fig: 6A

ADJUST ROLLER TO TRACK BELT SEE FIG.6

3. LOOSEN ANGLE LOCK KNOB(A) TO SET AND TIGHTEN THE ANGLE.

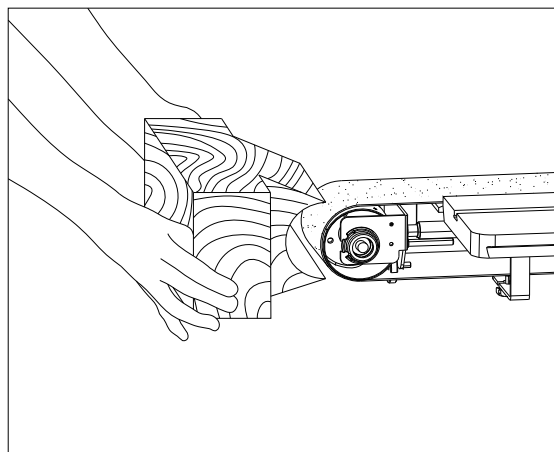


Fig: 7

FOR CONTOUR SANDING SEE FIG. 7

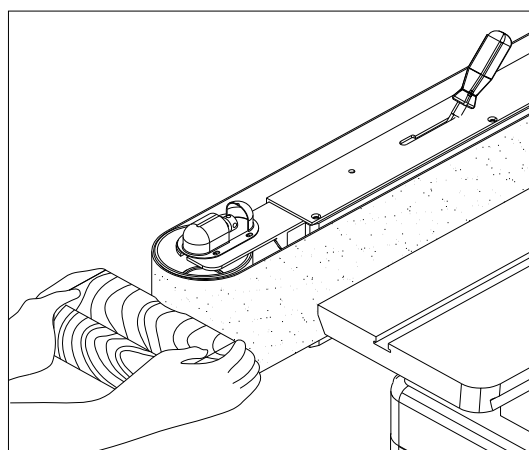


Fig: 7A

FOR CONTOUR SANDING SEE FIG. 7

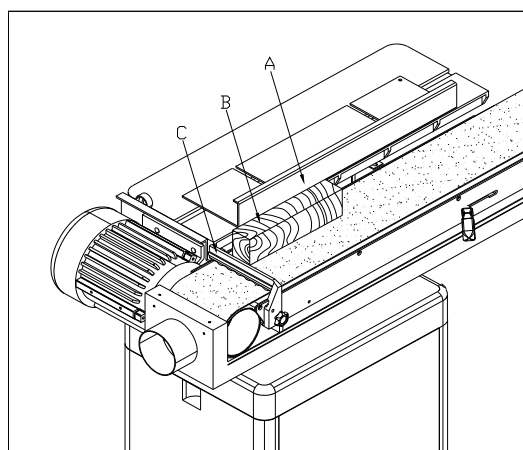


Fig: 8

- 1.MOUNT LOCATING PLATE(A) FOR FLAT SANDING.
- 2.ADJUST KNOB TO CLAMP BRACKET(C) FOR SECURING JOB. SEE FIG. 8
- 3.ANGLE LOCK KNOB(A) TO SET ANGLE AT CERTAIN

POSITION.

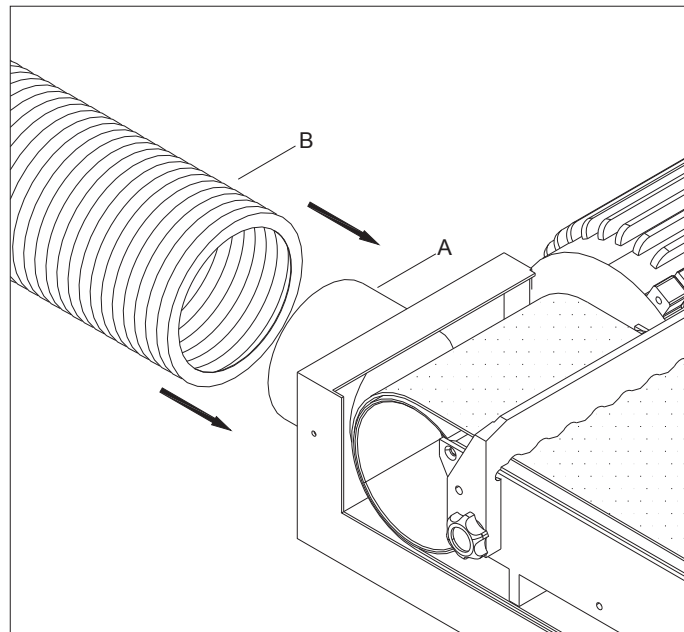
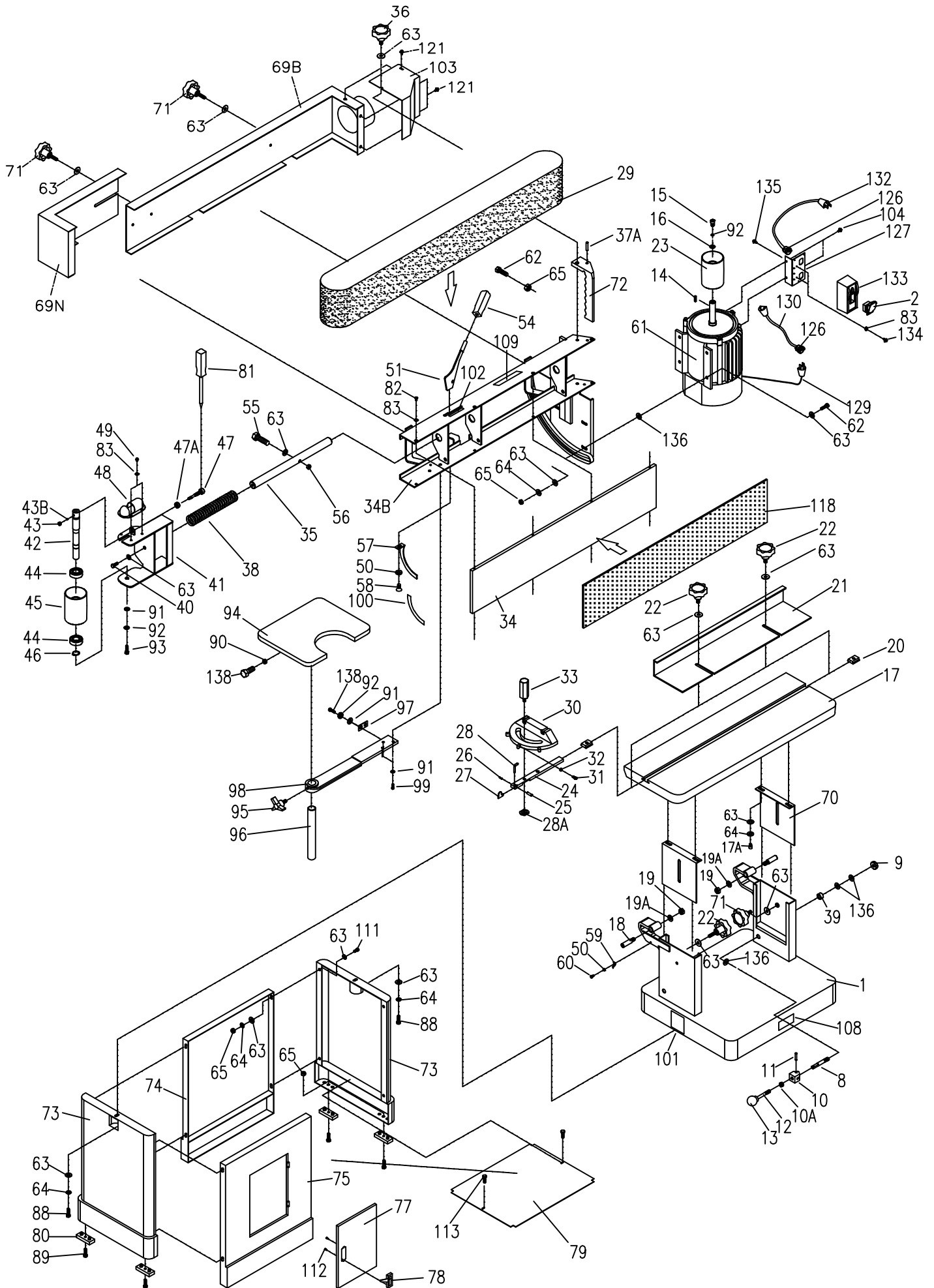


Fig: 9

MAKE SURE DUST HOOD(A) AND HOSE(B) ARE CLAMPED.



## PARTS LIST FOR MI-16400

PARTS NO.	REF. NO.	DESCRIPTION	QTY
MI-16400-01	201011001BG	BASE	1
MI-16400-02	W2010002A	SWITCH	1
MI-16400-08	20101005	LONG SCREW	1
MI-16400-09	20101006	NUT	1
MI-16400-10	20101007	CAM ECCENTRIC	1
MI-16400-10A	S0110600	NUT	1
MI-16400-11	S0310525	PIN	1
MI-16400-12	10102024	LOCKHANDLE	1
MI-16400-13	10102023	HANDKNOB	1
MI-16400-14	S0410525	KEY	1
MI-16400-15	S0020416	HEX HD. SCREW	1
MI-16400-16	S0210404	WASHER	1
MI-16400-17	20101011A	TABLE	1
MI-16400-17A	S0020510	HEX HD. SCREW	4
MI-16400-18	20101065	SCREW	2
MI-16400-19	S0111010M	HEX NUT	2
MI-16400-19A	S0230308	SPRING WASHER	2
MI-16400-20	20101013	GUIDE BLOCK	2
MI-16400-21	20101014	FENCE	1
MI-16400-22	20101015	KNOB	3
MI-16400-23	20101016	MOTOR ROLLER	1
MI-16400-24	20101017	GUIDE BAR	1
MI-16400-25	S0310306	PIN	1
MI-16400-26	S0050404	SOCKET SET SCREW	1
MI-16400-27	10104049	LOCATING PLATE	1
MI-16400-28	10104050	POINTER	1
MI-16400-28A	20102020	LOCATING BLOCK	1
MI-16400-29	20101021	SANDING BELT	1
MI-16400-30	10104046	MITER GAGE BODY	1
MI-16400-31	S0030108	ROUND HD. SCREW	3
MI-16400-32	S0110100	HEX NUT	3
MI-16400-33	10104045	HANDKNOB	1
MI-16400-34	20101048	TABLE	1
MI-16400-34B	20101049	SANDING CLOTH PLATFORM	1
MI-16400-35	20103023	TENSION BAR	1
MI-16400-36	20101039	KNOB	1
MI-16400-37A	S0310640	PIN	1
MI-16400-38	20103025	SPRING	1
MI-16400-39	20101055	PARTITION RING	1
MI-16400-40	S0020525A	HEX HD. SCREW	1
MI-16400-41	20103050A	ROLLER ARM	1
MI-16400-42	20103051	SHAFT	1
MI-16400-43	S0120200	LOCK NUT	1

## PARTS LIST FOR MI-16400

PARTS NO.	REF. NO.	DESCRIPTION	QTY
MI-16400-43B	20103029B	STEEL BALL	1
MI-16400-44	C1106004	BEARING	2
MI-16400-45	20103028	IDLER ROLLER	1
MI-16400-46	S0520017	SPRING RING	1
MI-16400-47	20103029	MICRO ADJUST SCREW	1
MI-16400-47A	20103029A	MICRO ADJUST NUT	1
MI-16400-48	20201013	PROTECTION COVER	1
MI-16400-49	S0030304	ROUND HD. SCREW	4
MI-16400-50	S0230300	SPRING WASHER	6
MI-16400-51	20101031	BELT REPLACING PLATE	1
MI-16400-54	20101032a	SAND CLAMP HANDLE	1
MI-16400-55	S0020530	HEX HD. SCREW	1
MI-16400-56	S0120201	LOCK NUT 5/16" - 18 UNC	1
MI-16400-57	20101033	TILT SCALE	1
MI-16400-58	S0020530	RD HD SCREW	1
MI-16400-59	10102022	WIDTH POINTER	1
MI-16400-60	S0030306	RD HD SCREW	1
MI-16400-61	M2142211	MOTOR	1
MI-16400-62	S0020520	HEX HD. SCREW	6
MI-16400-63	S0210500C	WASHER	39
MI-16400-64	S0230506	SPRING WASHER	14
MI-16400-65	S0110500	HEX NUT	20
MI-16400-69B	20101038A	BELT COVER	1
MI-16400-69N	20101038J	DUSTPROOF PROTECTIVE COVER	1
MI-16400-70	20101002	LIFTING PLATE	2
MI-16400-71	20101024	KNOB	3
MI-16400-72	20101040	BRACKET	1
MI-16400-73	20104054J	SIDE PANEL	2
MI-16400-74	20104053	REAR PANEL	1
MI-16400-75	20104053J	FRONT PANEL (W/ DOOR)	1
MI-16400-77	20104052J	DOOR	1
MI-16400-78	20101064	LATCH ASSEMBLY	1
MI-16400-79	20104051J	SHELF	1
MI-16400-80	10401029	PAD	4
MI-16400-81	20103044	DRIVER WRENCH	1
MI-16400-82	S0040515M	FLAT HD. SCREW	8
MI-16400-83	S0220300	TEETH WASHER	8
MI-16400-88	S0020520	HEX HD BOLT	2
MI-16400-89	S0090512	RD.HD.SCREW	4
MI-16400-90	S0110400	NUT	4
MI-16400-91	S0210403	WASHER	3
MI-16400-92	S0230400	SPRING WASHER	3
MI-16400-93	S0020615M	HEX HD. SCREW	1



## PARTS LIST FOR MI-16400

PARTS NO.	REF. NO.	DESCRIPTION	QTY
MI-16400-94	20101051	SIDE TABLE	1
MI-16400-95	60104010	KNOB	1
MI-16400-96	20101050	SUPPORTING ROD	1
MI-16400-97	40101016B	MOUNTING BRACKET	1
MI-16400-98	20101052	BRACKET	1
MI-16400-99	S0020412	HEX HD. SCREW	3
MI-16400-100	J0000102	ANGLE PAPER	1
MI-16400-103	21700038K	DUST GUARD	1
MI-16400-104	S0030300a	PHILLIPS HEAD SCREW	2
MI-16400-105	I2010002	MANUAL	1
MI-16400-106		POLY FOAM	1
MI-16400-107		CARTON	1
MI-16400-111	S0020510	HEX HD. SCREW	8
MI-16400-112	S0030413	PHILLIPS HEAD SCREW	2
MI-16400-113	S0030510M	PHILLIPS HEAD SCREW	2
MI-16400-118	20101048a	GRAPHITE	1
MI-16400-121	12100039	PHILLIPS HEAD SCREW	3
MI-16400-126	S1007P-2	STRAIN RELIEF	1
MI-16400-127	20101044	SWITCH BOARD	1
MI-16400-129	L0000111-1P	MOTOR CORD	1
MI-16400-130	L0000112-2	SWITCH CORD	1
MI-16400-132	L0000132	POWER CORD	1
MI-16400-133	11105052	SWITCH BOX	1
MI-16400-134	S0030306	PHILLIPS HEAD SCREW	2
MI-16400-135	S0070300b	PHILLIPS HEAD SCREW	3
MI-16400-136	S0210623a	WASHER	7
MI-16400-138	S0020401	HEX HD. SCREW	2