



# 6315

## 9" x 138" Oscillating Edge Sander

### Owner's Manual



## **Warranty**

Oliver makes every effort possible to assure that its woodworking equipment meets the highest possible standards of quality and durability. All products sold by Oliver are warranted to the original customer to be free from defects for a period of 2 (two) years on all parts, excluding electronics and motors, which are warranted for 1 year. Oliver's obligation under this warranty shall be exclusively limited to repairing or replacing (at Oliver's option) products which are determined by Oliver to be defective upon delivery F.O.B. (return freight paid by customer) to Oliver, and on inspection by Oliver. This warranty does not apply to defects due, directly or indirectly, to misuse, abuse, negligence, accidents, unauthorized repairs, alterations, lack of maintenance, acts of nature, or items that would normally be consumed or require replacement due to normal wear. In no event shall Oliver be liable for death, personal or property injury, or damages arising from the use of its products.

## **Warning**

Read this manual thoroughly before operating the machine. Oliver Machinery disclaims any liability for machines that have been altered or abused. Oliver Machinery reserves the right to effect at any time, without prior notice, those alterations to parts, fittings, and accessory equipment which they may deem necessary for any reason whatsoever.

## **For More Information**

Oliver Machinery is always adding new Industrial Woodworking products to the line. For complete, up-to-date product information, check with your local Oliver Machinery distributor, or visit [www.olivermachinery.net](http://www.olivermachinery.net)

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## 1.1. SAFETY REGULATIONS

### 1.1.1. GENERAL SAFETY RULES



**WARNING** Do not attempt to operate until you have read thoroughly and understand completely all instructions, rules, etc. contained in this manual. Failure to comply can result in accidents involving fire, electric shock, or serious personal injury. Keep owners manual and review frequently for continuous safe operation.

#### 1. KNOW YOUR MACHINE.

For your own safety, read the owner's manual carefully. Learn its application and limitations as well as specific potential hazards pertinent to this machine.

#### 2. KEEP GUARDS IN PLACE AND IN WORKING ORDER.

#### 3. REMOVE ADJUSTING KEYS AND WRENCHES.

For habit of checking to see that keys and adjusting wrenches are remove from the machine before turning it on.

#### 4. KEEP WORK AREA CLEAN.

Cluttered areas and benches invite accidents.

#### 5. DO NOT USE IN DANGEROUS ENVIRONMENTS.

Do not use power tools in damp or we locations, or expose them to rain. Keeps work area well illuminated.

#### 6. KEEP CHILDREN AWAY.

All visitors should be kept at a safe distance from work area.

#### 7. MAKE WORKSHOP CHILDPROOF.

With padlocks, master switches, or by removing starter keys.

#### 8. DO NOT FORCE THE MACHINE.

It will do the job better and be safer at the rate for which it was designed.

#### 9. USE THE RIGHT TOOLS.

Do not force the machine or attachments to do a job for which they were not designed.

#### 10. WEAR PROPER APPAREL.

Avoid loose clothing, gloves, neckties, rings, bracelets, or jewelry, which could be caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.

**11. SECURE WORK.**

Use clamps or a vice to hold work when practical. It is safer than using your hand and frees both hands to operate the machine.

**12. DO NOT OVERREACH.**

Keep proper footing and balance at all times.

**13. MAINTAIN MACHINE IN TOP CONDITION.**

Keep machine clean for best and safest performance. Follow instructions for lubricating and changing accessories.

**14. DISCONNECT MACHINE FROM POWER SOURCE.**

Before servicing and when changing accessories, or when mounting and remounting motor.

**15. USE RECOMMENDED ACCESSORIES.**

Consult the owner's manual for recommended accessories.

**16. NEVER LEAVE MACHINE RUNNING UNATTENDED. TURN POWER OFF.**

17. Protective guards and shields must be in place at all times unless that specific part requires servicing.

18. Never clean or remove chips while the machine is running.

19. Do not remove or alter warning labels and replace any that become obscured.

**1.1.2. ADDITIONAL SAFETY RULES FOR OSCILLATING BELT EDGE SANDER**

1. Never stand directly in line of workpiece sanding; as throw out is a possibility always stands to one side of your machine.
2. Keep guards in place when the sanding belt surface is not use.
3. Do not perform sanding operations until the dust collection system is started.
4. Do not place hands above the sanding unit.
5. Properly ground the machine.
6. Do not open the guards while the machine is running.

**2.1. SPECIFICATIONS**

| <b>MODEL</b>                   | <b>.120E</b>                          |
|--------------------------------|---------------------------------------|
| Working capacity               | 200(W) x1200mm (L)                    |
| Sanding belt size              | 230(W) x3520mm (L)                    |
| Belt linear speed              | (50HZ) 910 m/min<br>(60HZ) 1080 m/min |
| Belt drive motor               | 2.2 Kw                                |
| Oscillating drive motor        | -                                     |
| Caliber of dust collector      | 4"(Ø100) x1                           |
| Machine dimensions (L x W x H) | 2100x620x1020 mm                      |
| Net weight                     | 230kg                                 |

**All specifications, dimensions and design characteristics shown in this manual are subject to change without notice.**

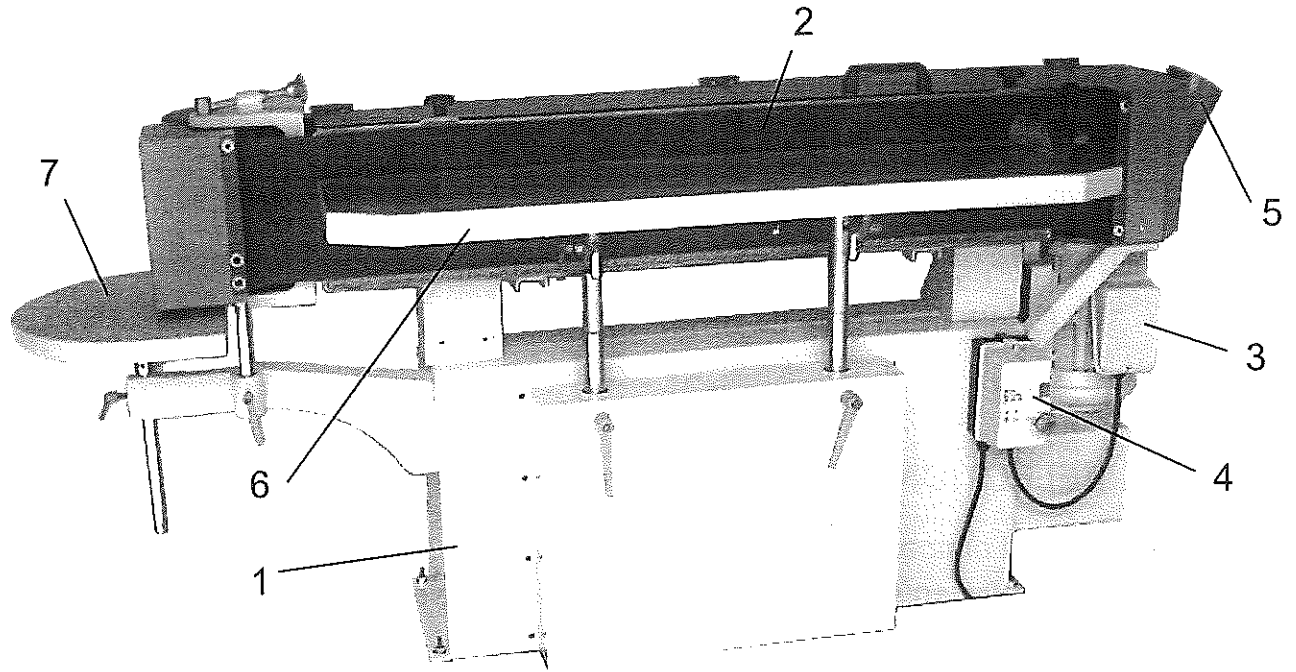
**2.2. FUNCTION OF THE MACHINE**

This oscillating belt edge sander is designed and manufactured for long-term operation, creating superior sanding surface results for wood products. New design of oscillation belt system- combination of main motor with gear device. Allow for sanding on edges, plane surfaces, rims and curved surfaces, providing the right function for specific jobs.

The machine consists of the machine frame, the sanding unit, the working table and the corner table. The sanding unit extremely easy to replace and adjust sanding belt, The working table for versatile vertical oscillating edge sanding and the corner table for curved corner sanding. All tables equipped with tilting and adjustable height devices. So it is variable to meet various types of workpiece requirement.

**WARNING**

This machine is suited for sanding wood products only. Do not use this machine for sanding metal products.

**2.3. LEGEND OF THE MACHINE**

1. Machine base.
2. Sanding unit.
3. Sanding belt drive motor.
4. Electrical control box.
5. Dust hood.
6. Sanding working table.
7. Corner sanding table.

**3.1. SAFETY RULES FOR MACHINE LIFTING**

1. Pay special attention to the balance of the machine while lifting.
2. Use a forklift or a hydraulic hand pallet truck with sufficient loading capacity to lift the machine.
3. Have another person help guide the way when lifting the machine.
4. The forks of forklift must protrude from under the machine underside.
5. **The forklift must only be driven by an experienced forklift driver.**

**3.2. SELECTION OF LOCATION**

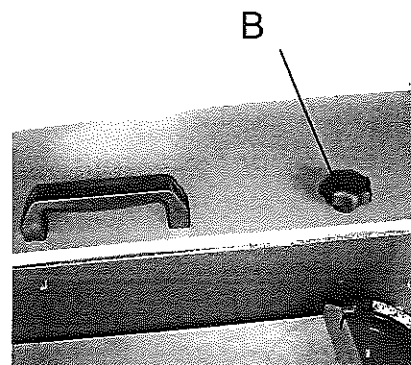
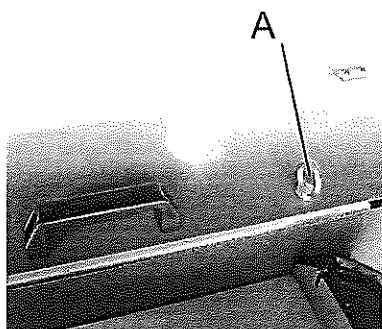
Requirement of operating environment the operating temperature for this machine should be between  $+5^{\circ}\text{C}$  and  $+40^{\circ}\text{C}$ , while the relative humidity should not exceed 50% at a maximum temperature of  $+40^{\circ}\text{C}$ .

**3.3. LIFTING THE MACHINE**

1. The machine should be lifted with steel cable or a hydraulic hand pallet truck. There are two lifting rings located at the front and rear of the machine.
2. Make sure the steel cable used is strong enough that it won't break during lifting.
3. Their forks should insert through the machine bottom.
4. Attention should be paid to the balance of the machine while lifting.
5. The weight of the machine is listed below.

| Machine weight | Forklift or hydraulic hand pallet truck capacity |
|----------------|--------------------------------------------------|
| 230Kg          | 500 kg                                           |

- ☞ When lowering the machine to the floor, it must be done slowly and carefully. Do not let the machine jolt against the floor. And replace the lifting rings (A) with star knobs (B).

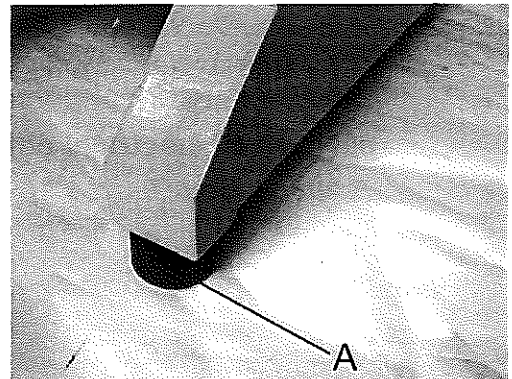


**3.4. INSTALLATION AND LEVELLING**

Install this machine on a solid and level concrete floor. Leave proper space around the machine for handling the materials to be machined. Four rubber pads are furnished with the machine, which are to be placed under the machine at the Four Corners.

After the machine has been located at a proper work site, proper leveling needs to be made. The following steps should be taken:

1. Screw the rubber pads (A) under the machine.
2. Adjust the leveling screws until proper leveling is obtained.

**3.5. POWER SUPPLY REQUIREMENT**

Insufficient voltage from factory power source may affect the power output of the motor.

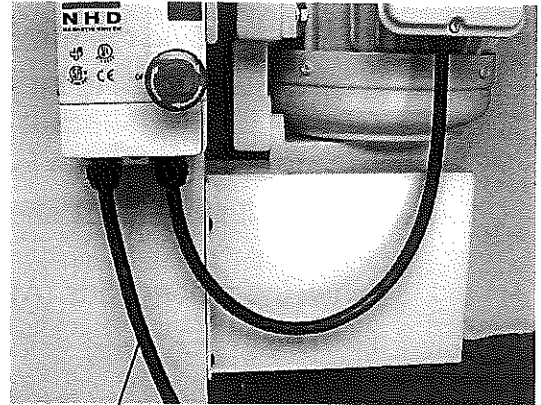
**It is important to connect this machine to the correct voltage in the factory power source. Use only an independent power source.**

Table for power supplies requirement:

| Kw    | Voltage        | Current | Breaker capacity | Wire size          |
|-------|----------------|---------|------------------|--------------------|
| 2.2Kw | 220V, 60Hz, 1~ | 18A     | 30A              | 5.5mm <sup>2</sup> |

**3.6. CONNECT POWER SOURCE WIRES**

1. Before connecting the power wires make sure the voltage between the machine and your factory power source is the same.
2. Connect the power wires to the breaker.
3. The machine must be properly grounded to prevent possible injury from electrical shock.
4. **Qualified electrical personnel should perform all electrical connections.**



Connect to the Breaker

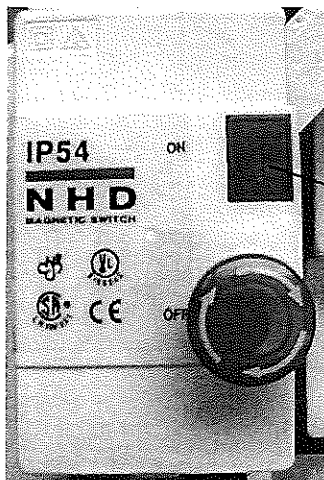
**WARNING**

Grounding should be based on the local regulations.

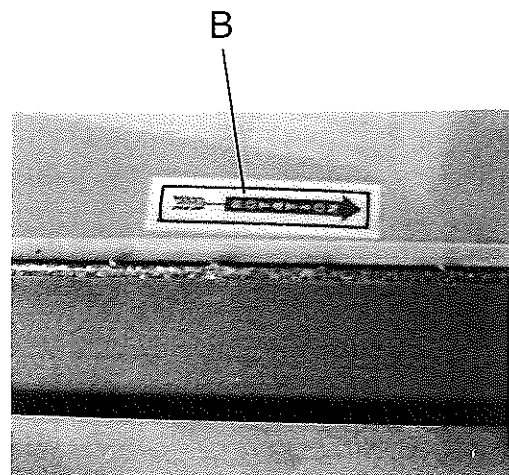
**3.7. CHECK SANDING BELT ROTATE DIRECTION**

After the power wires have been connected it is necessary to check the sanding belt rotate direction.

Press the sanding belt drive motor start switch (A) then the sanding belt should rotate according to the indicant (B) direction. If not, **please inform our technical service immediately.**



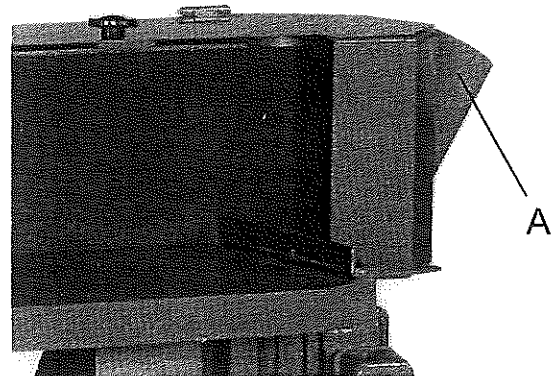
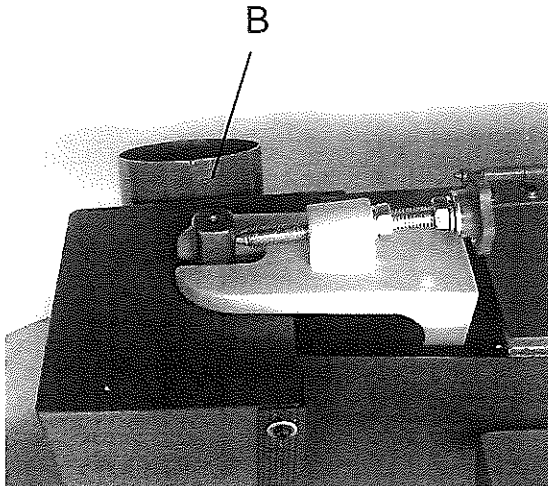
A



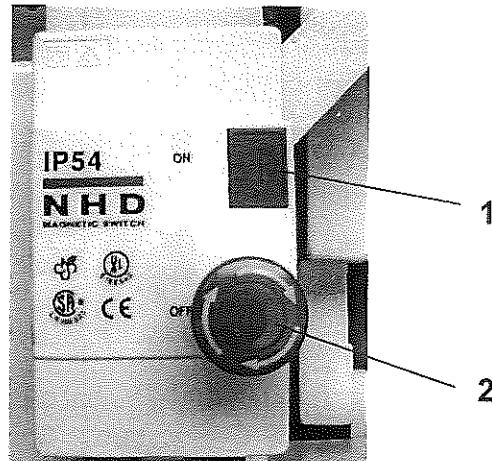
B

**3.8. CONNECT DUST COLLECTION SYSTEM**

1. There are two dust hoods (A,B) provided on the machine for sucking dust from the sanding units.
2. Fit the flexible hose to the dust hood and connect it to the dust collector.
3. The outlet diameters for dust hoods are 100mm(4").

 **WARNING**

Do not perform sanding operations until the dust collection system is started.

**4.1. SWITCHES FUNCTION ON ELECTRICAL CONTROL BOX****SWITCH FUNCTION:****1. SANDING BELT START SWITCH:**

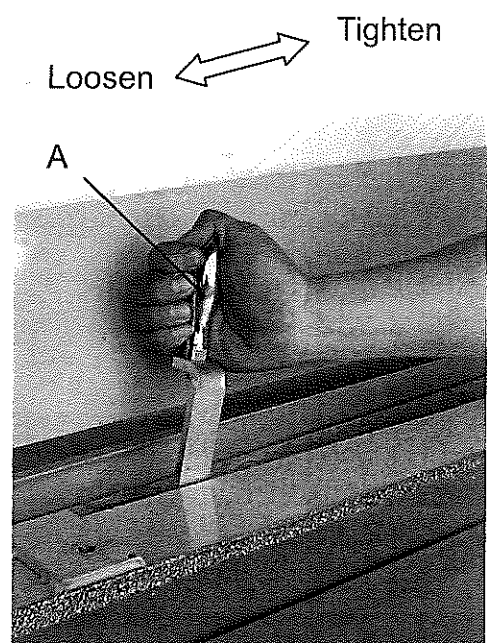
Press this switch for starting the sanding belt.

**2. EMERGENCY STOP / SANDING BELT STOP SWITCH:**

During machining, if any malfunction occurs, press this switch to stop the sanding belt. When restarting machine remember to turn this switch to the right to release it.

**4.2. REPLACE THE SANDING BELTS**

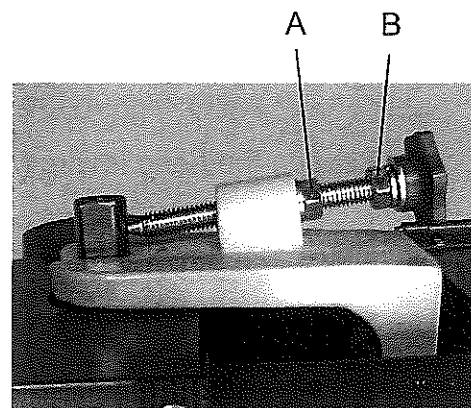
1. Disconnect the machine from power source.
2. Open the guard on the sanding unit.
3. Shift the sanding belt lever (A) to release the sanding belt tension according to the indicant direction.
4. Take out the old sanding belt.
5. Replace the new sanding belt.
6. Shift the sanding belt lever (A) to tighten the sanding belt tension according to the indicant direction.
7. Make the sanding belt adjustment. (See instructions show on adjust the sanding belt procedures. 4.3)
8. Close the guards.



### **4.3. ADJUST THE SANDING BELT**

After the sanding belt has been replaced it is the necessary to check the sanding belt the middle of the drive roller. If not, must the sanding belt adjustment.

1. Loosen the fix nut (A).
2. Turn the adjustment knob (B) counter-clockwise then the sanding belt should move upward.
3. Turn the adjustment knob (B) clockwise then the sanding belt should move downward.
4. After adjustment tighten fix nut (A).



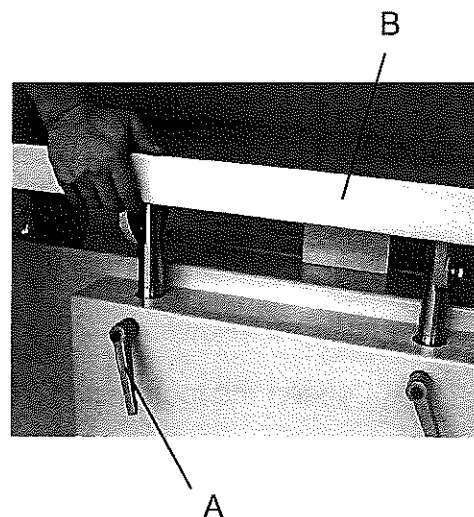
### **4.4. WORKING TABLE POSITION ADJUSTMENT**

The table can be adjusted position according to different workpiece thickness and sanding belt sharp conditions.

Because the table is designed a special balance mount, so we can be easily adjusted simply be hand to push or pull.

Adjusted as follows:

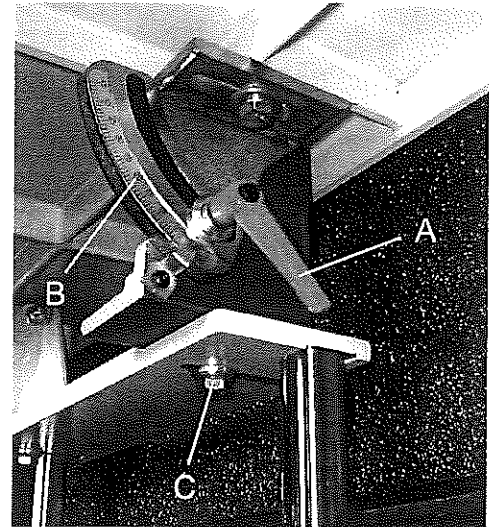
1. Loosen the adjustable hand lever (A).
2. Move the table (B) into the desired position by hand.
3. Tighten the adjustable hand lever (A). After the table position is desired.



### 4.5. WORKING TABLE TILTING TO SLANT ANGLE ADJUSTMENT

The working table angle can be adjusted tilting angle according to different workpiece angle adjust as follows:

1. Put the workpiece on the working table.
2. Loosen the hand levers (A) on the both sides.
3. Swivel the table into the desired position with the workpiece or by reading the indicator scale (B).
4. Tighten the hand levers (A). After the table slant angle is desired.
5. The working table can be adjusted clearance with sanding belt. If it is required, loosen the fix screws (C) then move the working table to desire position. After adjustment, re-tighten the fix screw.



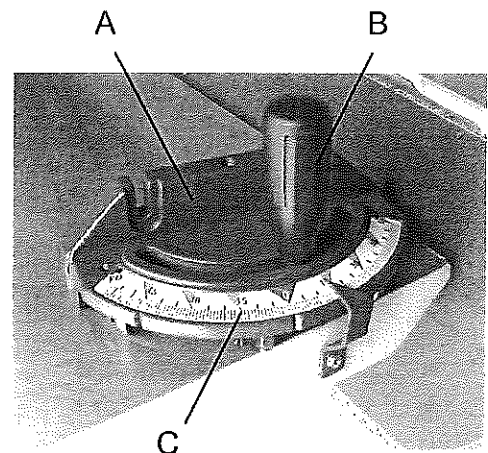
### 4.6. ADJUST THE MITER GAUGE ON THE WORKING TABLE

The table can be adjusted the miter gauge (A) angle according to different workpiece tilting angle.

The miter gauge with easy-to-read graduation is precisely set on the working table for the convenience of sanding.

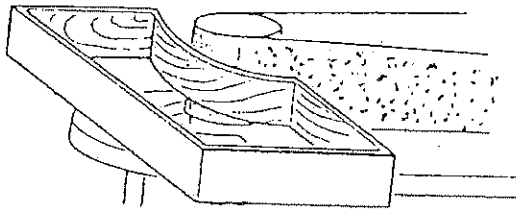
Adjusted as follows:

1. Loosen the lock handle (B).
2. Rotate the miter gauge into the desired position by reading the indicator scale (C).
3. Tighten the lock handle (B). After the miter gauge position is desired.

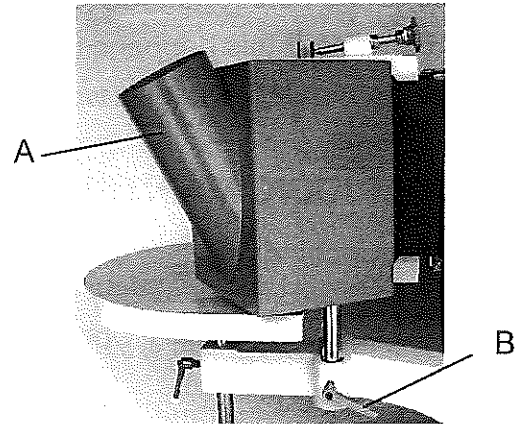


### 4.7. CURVED SANDING

This machine provided with corner sanding table for curved sanding. When use this function must be rotate the rear dust hood (A) to convenience position by loosen the hand lever (B).



Curved sanding

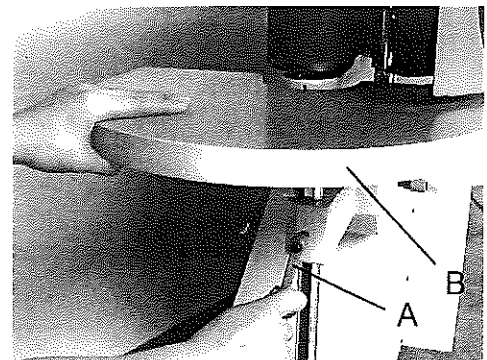


### 4.8. CORNER TABLE POSITION ADJUSTMENT

The corner table can be adjusted position according to different workpiece thickness and sanding belt sharp conditions.

Adjusted as follows:

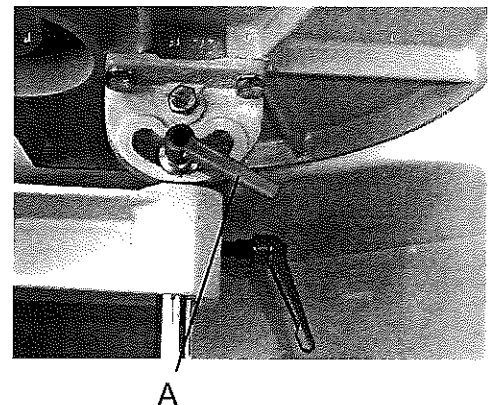
1. Loosen the adjustable hand lever (A).
2. Move the table (B) into the desired position by hand.
3. Tighten the adjustable hand lever (A). After the table position is desired.



### 4.9. CORNER TABLE TILTING TO SLANT ANGLE ADJUSTMENT

The corner table angle can be adjusted tilting angle according to different workpiece angle adjust as follows:

1. Put the workpiece on the working table.
2. Loosen the fix bolt (A).
3. Swivel the table into the desired position with the workpiece.
4. Tighten the fix blot (A). After the table slant angle is desired.



This machine is designed and manufactured for easy operation and maintenance. The proper amount of good quality grease is packed in all ball bearings, so not necessary lubrication.

The auxiliary wheel and the drive wheel are made by rubber material, after the machine has been operated for long period of time the auxiliary wheel and drive wheel may be wear. If this happens the auxiliary wheel and drive wheel needs to be replaced. When the auxiliary wheel is wear, we recommend replace all auxiliary wheel units.

### **5.1. PERIODIC MAINTENANCE**

1. The machine requires thorough cleaning once a day.
2. Check of the auxiliary wheel and drive wheel.
3. Check of screws and bolts.

### **5.2. RECOMMENDED SPARE PARTS**

- 1 Auxiliary wheel unit.
- 2 Drive wheel.

# PARTLIST

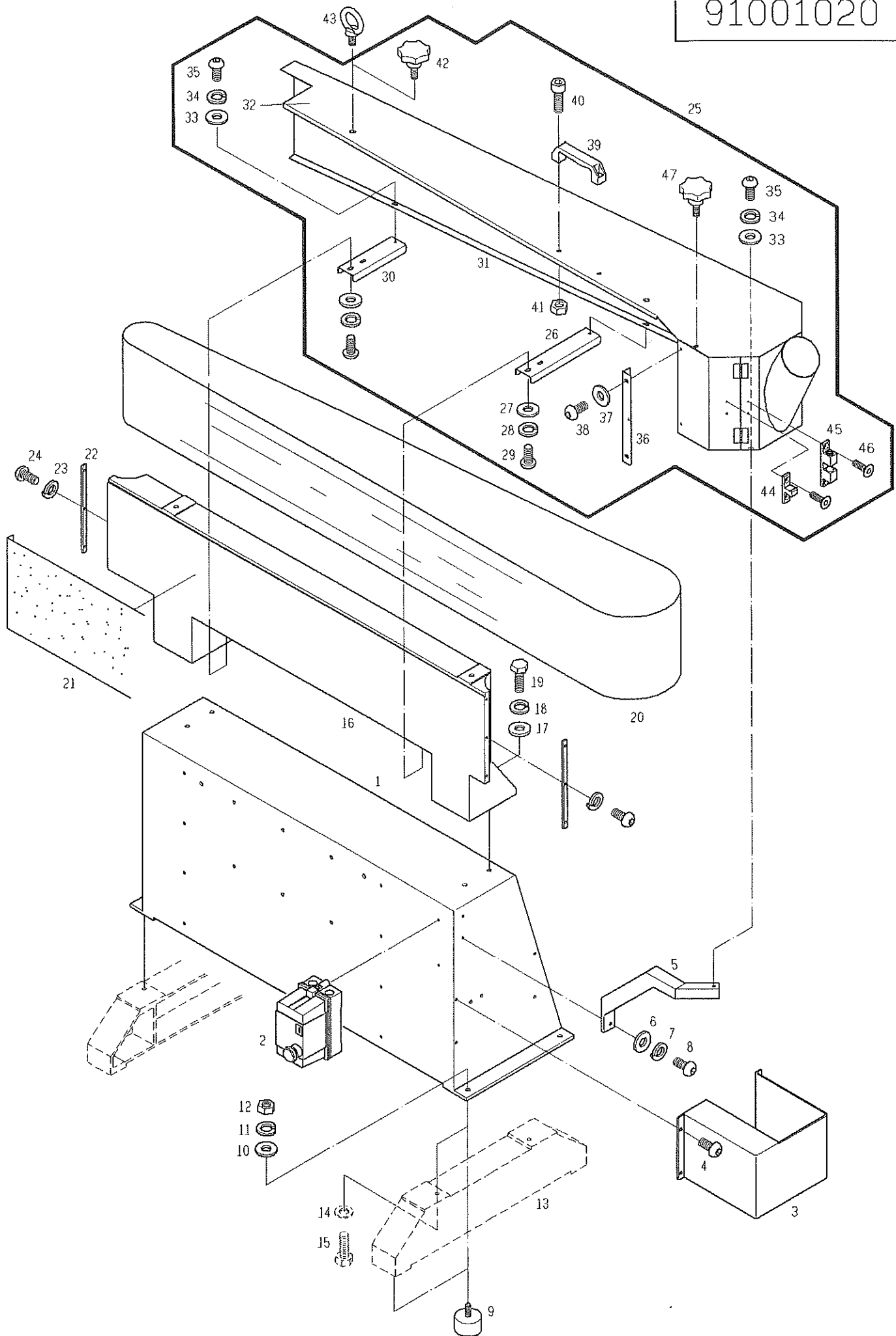
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Machine base unit

2001/10/25

| NO. | Description    | Q'ty | NO. | Description                     | Q'ty |
|-----|----------------|------|-----|---------------------------------|------|
| 1   | Machine base   | 1    | 41  | Nut                             | 2    |
| 2   | Motor starter  | 1    | 42  | Hand knobs                      | 2    |
| 3   | Cover          | 1    | 43  | Eyebolts                        | 2    |
| 4   | Screw          | 4    | 44  | Clipper(male)                   | 1    |
| 5   | Bracket        | 1    | 45  | Clipper(Female)                 | 1    |
| 6   | Washer         | 2    | 46  | Flat Head Socket Cap Screw,M3*6 | 4    |
| 7   | Spring washer  | 2    | 47  | Hand Knob,1/4"                  | 2    |
| 8   | Screw          | 2    |     |                                 |      |
| 9   | Rubber pad     | 4    |     |                                 |      |
| 10  | Washer         | 4    |     |                                 |      |
| 11  | Spring washer  | 4    |     |                                 |      |
| 12  | Nut            | 4    |     |                                 |      |
| 13  | Extend base    | 2    |     |                                 |      |
| 14  | Washer         | 4    |     |                                 |      |
| 15  | Screw          | 4    |     |                                 |      |
| 16  | Support base   | 1    |     |                                 |      |
| 17  | Washer         | 4    |     |                                 |      |
| 18  | Spring washer  | 4    |     |                                 |      |
| 19  | Screw          | 4    |     |                                 |      |
| 20  | Sanding belt   | 1    |     |                                 |      |
| 21  | Pad            | 1    |     |                                 |      |
| 22  | Plate          | 2    |     |                                 |      |
| 23  | Spring washer  | 6    |     |                                 |      |
| 24  | Screw          | 6    |     |                                 |      |
| 25  | Dust hood unit | 1    |     |                                 |      |
| 26  | Bracket        | 1    |     |                                 |      |
| 27  | Washer         | 4    |     |                                 |      |
| 28  | Spring washer  | 4    |     |                                 |      |
| 29  | Screw          | 4    |     |                                 |      |
| 30  | Bracket        | 1    |     |                                 |      |
| 31  | Dust hood      | 1    |     |                                 |      |
| 32  | Guard plate    | 1    |     |                                 |      |
| 33  | Washer         | 3    |     |                                 |      |
| 34  | Spring washer  | 3    |     |                                 |      |
| 35  | Screw          | 3    |     |                                 |      |
| 36  | Guard plate    | 1    |     |                                 |      |
| 37  | Washer         | 2    |     |                                 |      |
| 38  | Screw          | 2    |     |                                 |      |
| 39  | "U" handle     | 1    |     |                                 |      |
| 40  | Screw          | 2    |     |                                 |      |

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Sanding belt follow-up unit

2001/10/25

| NO. | Description           | Q'ty | NO. | Description | Q'ty |
|-----|-----------------------|------|-----|-------------|------|
| 1   | Shaft                 | 2    |     |             |      |
| 2   | DU bush               | 4    |     |             |      |
| 3   | Stopper block         | 2    |     |             |      |
| 4   | Spring                | 2    |     |             |      |
| 5   | Plate                 | 1    |     |             |      |
| 6   | Spring washer         | 2    |     |             |      |
| 7   | Screw                 | 2    |     |             |      |
| 8   | Set screw             | 4    |     |             |      |
| 9   | Lever                 | 1    |     |             |      |
| 10  | Hand knob             | 1    |     |             |      |
| 11  | Screw                 | 1    |     |             |      |
| 12  | Spring washer         | 1    |     |             |      |
| 13  | Nut                   | 1    |     |             |      |
| 14  | Screw                 | 1    |     |             |      |
| 15  | Spring washer         | 1    |     |             |      |
| 16  | Bush                  | 1    |     |             |      |
| 17  | Bearing               | 1    |     |             |      |
| 18  | Washer                | 2    |     |             |      |
| 19  | Nut                   | 1    |     |             |      |
| 20  | Wheel adjustment unit | 1    |     |             |      |
| 21  | Bracket               | 1    |     |             |      |
| 22  | Spherical bearing     | 1    |     |             |      |
| 23  | Washer                | 1    |     |             |      |
| 24  | Spring washer         | 1    |     |             |      |
| 25  | Screw                 | 1    |     |             |      |
| 26  | Washer                | 2    |     |             |      |
| 27  | Spring washer         | 2    |     |             |      |
| 28  | Screw                 | 2    |     |             |      |
| 29  | Spring washer         | 2    |     |             |      |
| 30  | Nut                   | 2    |     |             |      |
| 31  | Screw                 | 1    |     |             |      |
| 32  | Washer                | 1    |     |             |      |
| 33  | Knob                  | 1    |     |             |      |
| 34  | Auxiliary wheel unit  | 1    |     |             |      |
| 35  | Shaft                 | 1    |     |             |      |
| 36  | Bearing               | 2    |     |             |      |
| 37  | Roller                | 1    |     |             |      |
| 38  | Retaining ring        | 1    |     |             |      |
| 39  |                       |      |     |             |      |
| 40  |                       |      |     |             |      |

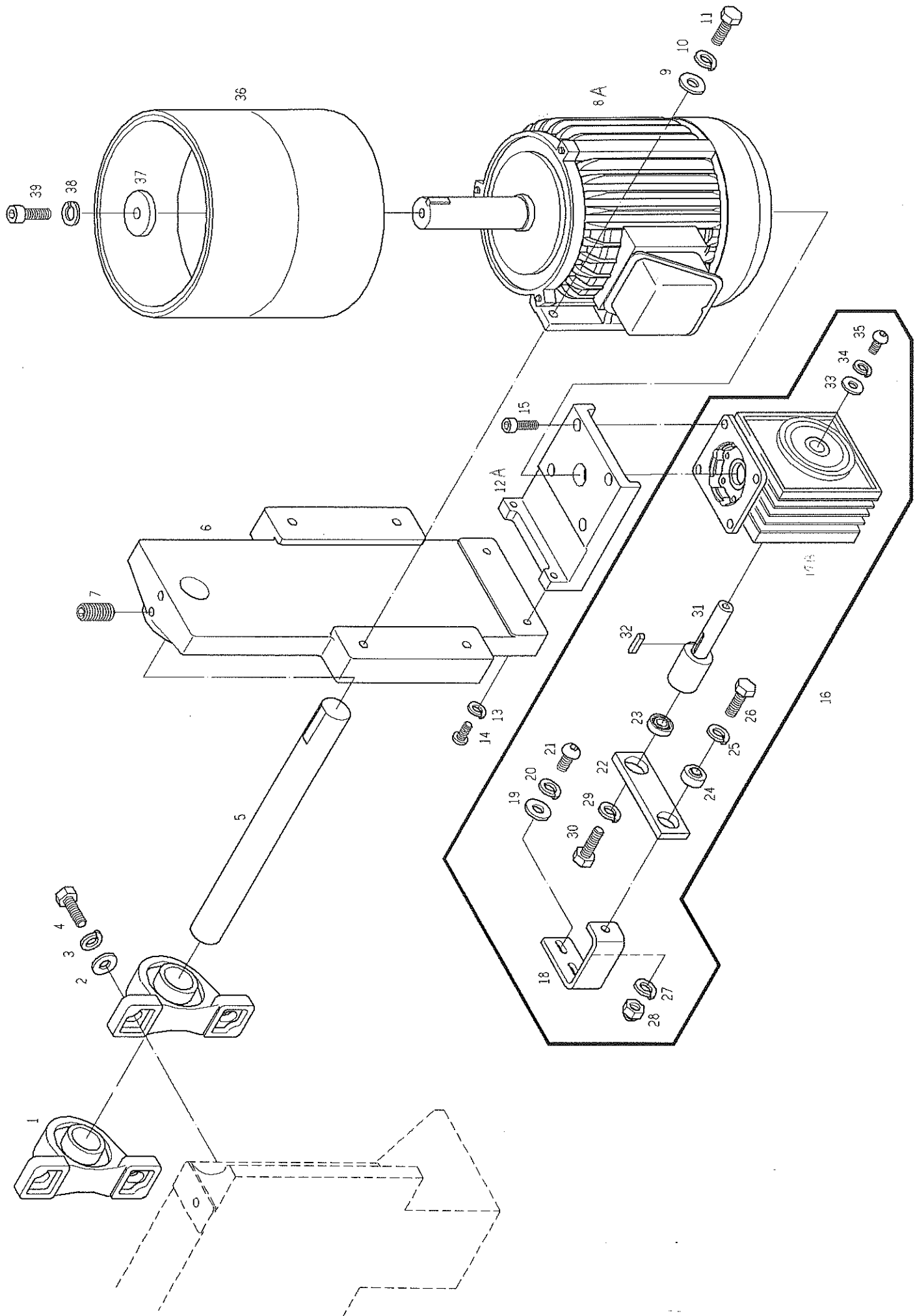
This technical drawing is an exploded view of a mechanical assembly, showing 38 individual components numbered 1 through 38. The components are arranged in a way that illustrates their relative positions and how they fit together. The assembly includes a main frame (20), a central shaft (1), a piston (2), a connecting rod (3), a crankshaft (4), a flywheel (5), a timing belt (6), a timing pulley (7), a timing chain (8), a timing sprocket (9), a timing gear (10), a timing pin (11), a timing roller (12), a timing guide (13), a timing bracket (14), a timing cover (15), a timing seal (16), a timing gasket (17), a timing O-ring (18), a timing nut (19), a timing bolt (21), a timing washer (22), a timing spacer (23), a timing pin (24), a timing nut (25), a timing roller (26), a timing guide (27), a timing bracket (28), a timing cover (29), a timing seal (30), a timing gasket (31), a timing O-ring (32), a timing nut (33), a timing bolt (34), a timing washer (35), a timing spacer (36), a timing pin (37), a timing nut (38), a timing roller (39), a timing guide (40), a timing bracket (41), a timing cover (42), a timing seal (43), a timing gasket (44), a timing O-ring (45), a timing nut (46), a timing bolt (47), a timing washer (48), a timing spacer (49), a timing pin (50), a timing nut (51), a timing roller (52), a timing guide (53), a timing bracket (54), a timing cover (55), a timing seal (56), a timing gasket (57), a timing O-ring (58), a timing nut (59), a timing bolt (60), a timing washer (61), a timing spacer (62), a timing pin (63), a timing nut (64), a timing roller (65), a timing guide (66), a timing bracket (67), a timing cover (68), a timing seal (69), a timing gasket (70), a timing O-ring (71), a timing nut (72), a timing bolt (73), a timing washer (74), a timing spacer (75), a timing pin (76), a timing nut (77), a timing roller (78), a timing guide (79), a timing bracket (80), a timing cover (81), a timing seal (82), a timing gasket (83), a timing O-ring (84), a timing nut (85), a timing bolt (86), a timing washer (87), a timing spacer (88), a timing pin (89), a timing nut (90), a timing roller (91), a timing guide (92), a timing bracket (93), a timing cover (94), a timing seal (95), a timing gasket (96), a timing O-ring (97), a timing nut (98), a timing bolt (99), a timing washer (100), a timing spacer (101), a timing pin (102), a timing nut (103), a timing roller (104), a timing guide (105), a timing bracket (106), a timing cover (107), a timing seal (108), a timing gasket (109), a timing O-ring (110), a timing nut (111), a timing bolt (112), a timing washer (113), a timing spacer (114), a timing pin (115), a timing nut (116), a timing roller (117), a timing guide (118), a timing bracket (119), a timing cover (120), a timing seal (121), a timing gasket (122), a timing O-ring (123), a timing nut (124), a timing bolt (125), a timing washer (126), a timing spacer (127), a timing pin (128), a timing nut (129), a timing roller (130), a timing guide (131), a timing bracket (132), a timing cover (133), a timing seal (134), a timing gasket (135), a timing O-ring (136), a timing nut (137), a timing bolt (138), a timing washer (139), a timing spacer (140), a timing pin 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(505), a timing nut (506), a timing roller (507), a timing guide

91014030

Sanding belt driver unit

2001/10/25

| NO. | Description                   | Q'ty | NO. | Description | Q'ty |
|-----|-------------------------------|------|-----|-------------|------|
| 1   | Pillow type ball bearing unit | 2    |     |             |      |
| 2   | Washer                        | 4    |     |             |      |
| 3   | Spring washer                 | 4    |     |             |      |
| 4   | Screw                         | 4    |     |             |      |
| 5   | Shaft                         | 1    |     |             |      |
| 6   | Motor base                    | 1    |     |             |      |
| 7   | Set screw                     | 2    |     |             |      |
| 8A  | Motor                         | 1    |     |             |      |
| 9   | Washer                        | 4    |     |             |      |
| 10  | Spring washer                 | 4    |     |             |      |
| 11  | Screw                         | 4    |     |             |      |
| 12A | Bracket                       | 1    |     |             |      |
| 13  | Spring washer                 | 2    |     |             |      |
| 14  | Screw                         | 2    |     |             |      |
| 15  | Screw                         | 4    |     |             |      |
| 16  | Oscillating unit              | 1    |     |             |      |
| 17B | Reducer casing                | 1    |     |             |      |
| 18  | Bracket                       | 1    |     |             |      |
| 19  | Washer                        | 2    |     |             |      |
| 20  | Spring washer                 | 2    |     |             |      |
| 21  | Screw                         | 2    |     |             |      |
| 22  | Bearing housing               | 1    |     |             |      |
| 23  | Bearing                       | 1    |     |             |      |
| 24  | Spherical bearing             | 1    |     |             |      |
| 25  | Spring washer                 | 1    |     |             |      |
| 26  | Screw                         | 1    |     |             |      |
| 27  | Spring washer                 | 1    |     |             |      |
| 28  | Nut                           | 1    |     |             |      |
| 29  | Spring washer                 | 1    |     |             |      |
| 30  | Screw                         | 1    |     |             |      |
| 31  | Cam                           | 1    |     |             |      |
| 32  | Key                           | 1    |     |             |      |
| 33  | Washer                        | 1    |     |             |      |
| 34  | Spring washer                 | 1    |     |             |      |
| 35  | Screw                         | 1    |     |             |      |
| 36  | Drive wheel                   | 1    |     |             |      |
| 37  | Washer                        | 1    |     |             |      |
| 38  | Spring washer                 | 1    |     |             |      |
| 39  | Screw                         | 1    |     |             |      |
| 40  |                               |      |     |             |      |



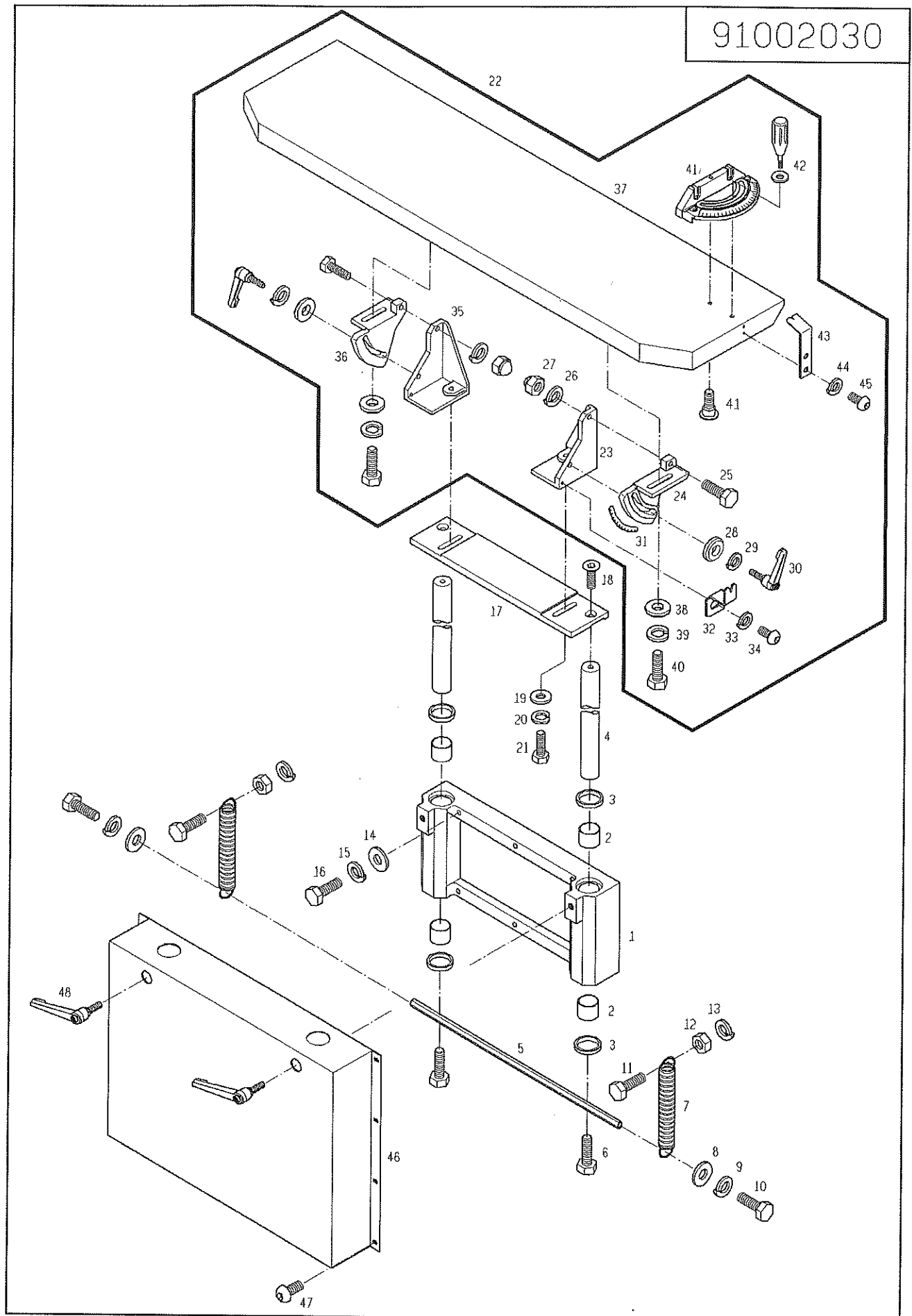
91002030

Outside table unit

2001/10/25

| NO. | Description           | Q'ty | NO. | Description               | Q'ty |
|-----|-----------------------|------|-----|---------------------------|------|
| 1   | Elevation block       | 1    | 41  | Miter gauge & dowel screw | 1    |
| 2   | DU bush               | 4    | 42  | Lock Handle               | 1    |
| 3   | Seal                  | 4    | 43  | Pointer                   | 1    |
| 4   | Shaft                 | 2    | 44  | Spring washer             | 2    |
| 5   | Link                  | 1    | 45  | Screw                     | 2    |
| 6   | Screw                 | 2    | 46  | Cover                     | 1    |
| 7   | Spring                | 2    | 47  | Screw                     | 8    |
| 8   | Washer                | 2    | 48  | Adjustable hand lever     | 2    |
| 9   | Spring washer         | 2    |     |                           |      |
| 10  | Screw                 | 2    |     |                           |      |
| 11  | Screw                 | 2    |     |                           |      |
| 12  | Nut                   | 2    |     |                           |      |
| 13  | Spring washer         | 2    |     |                           |      |
| 14  | Washer                | 6    |     |                           |      |
| 15  | Spring washer         | 6    |     |                           |      |
| 16  | Screw                 | 6    |     |                           |      |
| 17  | Adjustment plate      | 1    |     |                           |      |
| 18  | Screw                 | 2    |     |                           |      |
| 19  | Washer                | 2    |     |                           |      |
| 20  | Spring washer         | 2    |     |                           |      |
| 21  | Screw                 | 2    |     |                           |      |
| 22  | Table unit            | 1    |     |                           |      |
| 23  | Bracket (R)           | 1    |     |                           |      |
| 24  | Adjustment base (R)   | 1    |     |                           |      |
| 25  | Screw                 | 2    |     |                           |      |
| 26  | Spring washer         | 2    |     |                           |      |
| 27  | Nut                   | 2    |     |                           |      |
| 28  | Washer                | 2    |     |                           |      |
| 29  | Spring washer         | 2    |     |                           |      |
| 30  | Adjustable hand lever | 2    |     |                           |      |
| 31  | Indicator scale       | 1    |     |                           |      |
| 32  | Pointer               | 1    |     |                           |      |
| 33  | Spring washer         | 1    |     |                           |      |
| 34  | Screw                 | 1    |     |                           |      |
| 35  | Bracket (L)           | 1    |     |                           |      |
| 36  | Adjustment base (L)   | 1    |     |                           |      |
| 37  | Outside table         | 1    |     |                           |      |
| 38  | Washer                | 2    |     |                           |      |
| 39  | Spring washer         | 2    |     |                           |      |
| 40  | Screw                 | 2    |     |                           |      |

91002030



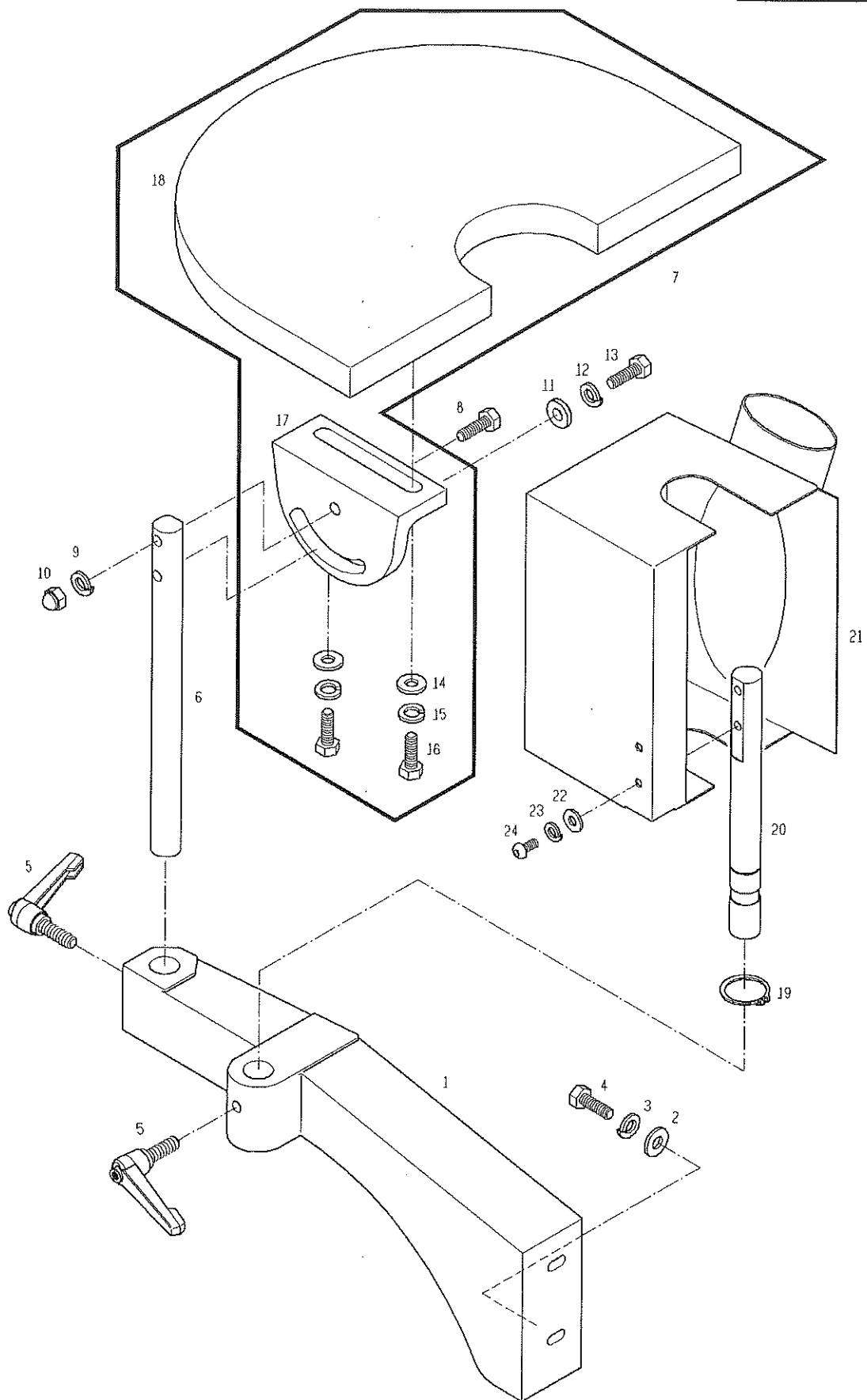
91002040

Corner sanding table unit

2001/10/25

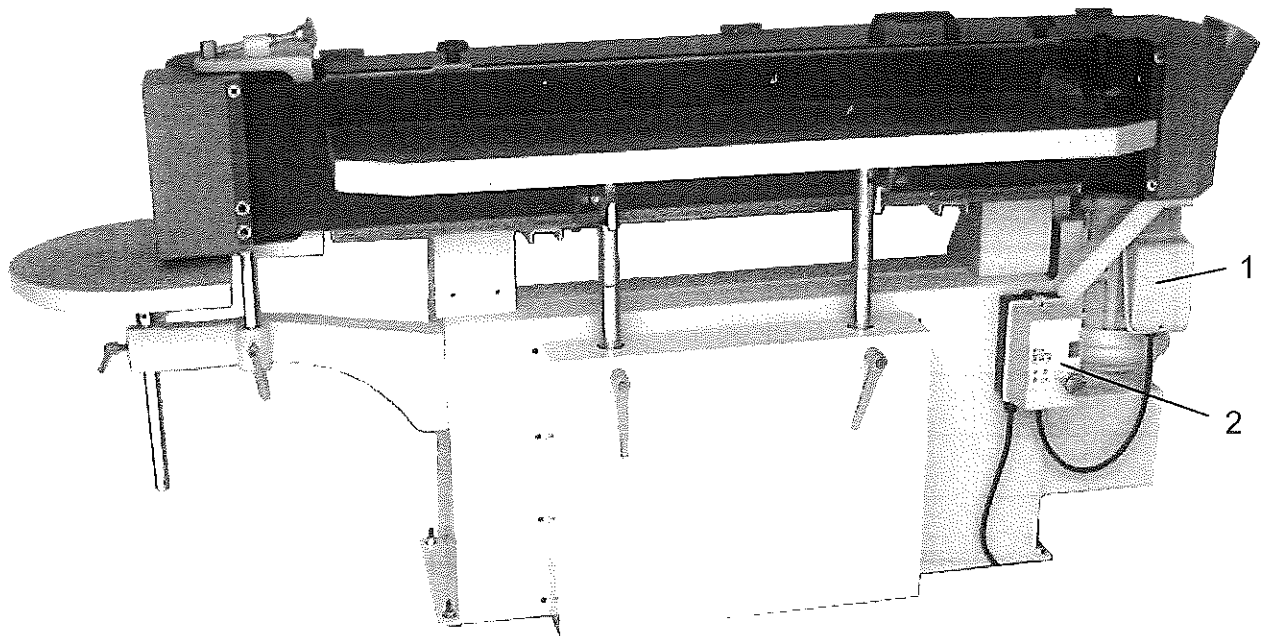
| NO. | Description           | Q'ty | NO. | Description | Q'ty |
|-----|-----------------------|------|-----|-------------|------|
| 1   | Support Base          | 1    |     |             |      |
| 2   | Washer                | 2    |     |             |      |
| 3   | Spring washer         | 2    |     |             |      |
| 4   | Screw                 | 2    |     |             |      |
| 5   | Adjustable hand lever | 2    |     |             |      |
| 6   | Shaft                 | 1    |     |             |      |
| 7   | Corner table unit     | 1    |     |             |      |
| 8   | Screw                 | 1    |     |             |      |
| 9   | Spring washer         | 1    |     |             |      |
| 10  | Nut                   | 1    |     |             |      |
| 11  | Washer                | 1    |     |             |      |
| 12  | Spring washer         | 1    |     |             |      |
| 13  | Screw                 | 1    |     |             |      |
| 14  | Washer                | 2    |     |             |      |
| 15  | Spring washer         | 2    |     |             |      |
| 16  | Screw                 | 2    |     |             |      |
| 17  | Adjustment base       | 1    |     |             |      |
| 18  | Corner sanding table  | 1    |     |             |      |
| 19  | Retaining ring        | 1    |     |             |      |
| 20  | Shaft                 | 1    |     |             |      |
| 21  | Dust hood             | 1    |     |             |      |
| 22  | Washer                | 2    |     |             |      |
| 23  | Spring washer         | 2    |     |             |      |
| 24  | Screw                 | 2    |     |             |      |
| 25  |                       |      |     |             |      |
| 26  |                       |      |     |             |      |
| 27  |                       |      |     |             |      |
| 28  |                       |      |     |             |      |
| 29  |                       |      |     |             |      |
| 30  |                       |      |     |             |      |
| 31  |                       |      |     |             |      |
| 32  |                       |      |     |             |      |
| 33  |                       |      |     |             |      |
| 34  |                       |      |     |             |      |
| 35  |                       |      |     |             |      |
| 36  |                       |      |     |             |      |
| 37  |                       |      |     |             |      |
| 38  |                       |      |     |             |      |
| 39  |                       |      |     |             |      |
| 40  |                       |      |     |             |      |

91002040



**6.1. SAFETY RULES FOR ELECTRICAL CONTROL SYSTEM**

1. All electrical/electronic trouble shooting and repair should be undertaken only by personnel who are properly trained and have adequate knowledge and skill.
2. Do not alter or bypass protective interlocks.
3. Before starting, read and observe all warning labels.
4. When troubleshooting makes sure the power source has been disconnected.
5. Take extra precautions in damp areas to protect you from accidental grounding.
6. Before applying power to any equipment it must be established, without a doubt, that all persons are clear.
7. Do not open the electrical control panel unless it is necessary to check the electrical equipment.
8. Do not alter the electrical circuits unless authorized to do so by the manufacturer.
9. When replacing electrical components, make sure they conform to the manufacturer's specifications, including proper colour coding.
10. Do not wear metal frame glasses, metallic necklaces or chains while working on any electrical equipment. Also do not wear any ring, watch or bracelet while operating electrical equipment.

**6.2. INSTALLATION DIAGRAM**

1. M1 Sanding drive motor

2. Electrical control box

### 6.3. ELECTRICAL COMPONENTS

[illegible]

6.4. ELECTRICAL WIRING DIAGRAM

