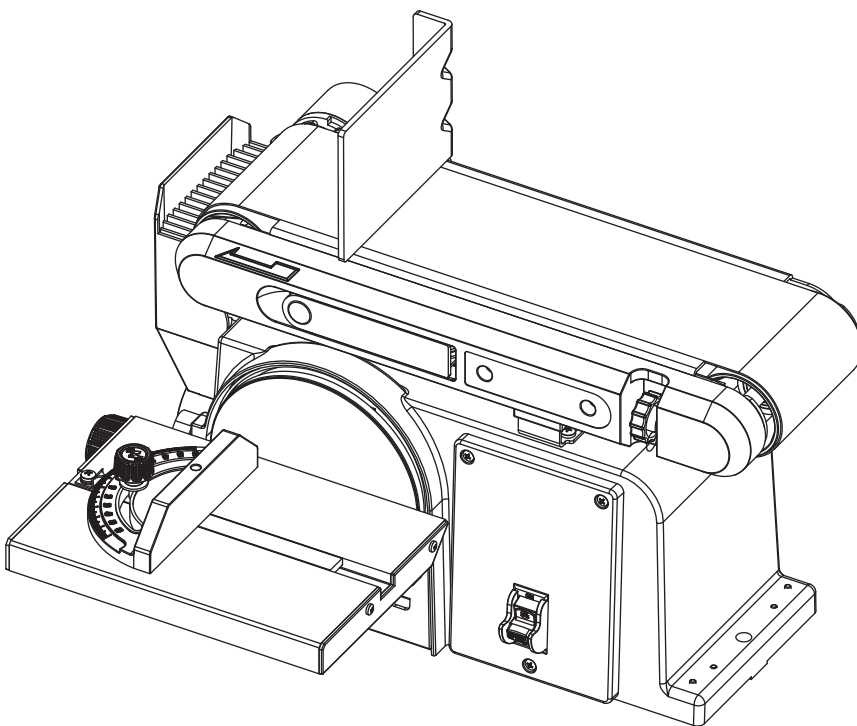




**model no. 055-3575-4**

## **BELT/DISC SANDER**



**Contact us 1-800-689-9928**

### **IMPORTANT:**

**For your own safety, read and follow all of the Safety Guidelines and Operating Instructions before operating this belt/disc sander.**

**OPERATING  
MANUAL**

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SPECIFICATIONS

Model	055-3575-4
Motor	120 V AC, 4.5 A, 60 Hz, 1/2 HP
Disc size	6" (15.2 cm)
Belt size	4 x 36" (10.2 x 91.4 cm)
Belt speed	1900 SFM (no load)
Belt tilt	0–90°
Net weight	25 lb 4.8 oz (11.5kgs)

- Always wear eye protection that complies with a recognized standard (CSA or ANSI).
- Wear a mask or respirator when dust is generated.
- Some dust created by power sanding contains chemicals that may cause cancer, birth defects or other harm. Some examples of these chemicals are: lead from lead-based paint, and arsenic and chromium from chemically treated lumber. To reduce exposure to these chemicals, work in a well-ventilated area, use approved safety equipment, and use dust masks that are specially designed to filter out microscopic particles.
- Keep bystanders out of the work area while operating the tool.
- Always ensure that the work area is clear of any flammable materials, liquids or gases, because the use of this tool may create sparks.
- Keep guards in place and working properly.
- Keep hands clear of sanding areas.
- Ensure sanding belt runs in the proper direction. Sanding belt must travel down at the front of the machine.
- Ensure sanding belt is tracking properly so that it does not come off the pulleys.
- Unplug from power supply before adjusting or servicing.
- To avoid electric shock, DO NOT use in damp conditions or expose to rain.
- Use only accessories that are recommended by the manufacturer for your model.
- Grounded tools must be plugged into an outlet that has been properly installed and grounded in accordance with all local codes and ordinances. Never remove the grounding prong from the plug or modify it in any way. Do not use adaptor plugs. If in doubt as to whether the outlet is properly grounded, consult a qualified electrician.
- Do not use the tool when tired or under the influence of drugs, alcohol or medication.
- Do not wear loose clothing or jewellery. Keep hair tied back.
- Ensure the power switch is off prior to plugging in the tool.
- Ensure sanding belt or disc is not torn or loose.
- Hold workpiece firmly while sanding.
- Firmly support workpiece with mitre gauge, backstop, jig or work table when sanding with the belt.
- Avoid kickback by sanding in accordance with directional arrows. Sand on downward side of disc only!
- DO NOT attempt to hold pieces of material that are too small to be safely supported by hand. Utilize special jigs or hand tools.
- Remove scrap pieces and other loose objects from the belt and disc tables before turning the machine on.
- When sanding metal, move the metal across the belt or disc and cool it when it becomes hot.
- WARNING! Do not operate your belt/disc sander until it is completely assembled and installed according to the instructions.
- Service on these tools should only be performed by an authorized, qualified technician.



DANGER!

Failure to observe any of the following instructions could result in severe personal injury to tool user and bystanders or cause damage to tool and property!

WARNING!

Read, understand and observe all instructions in this manual before using or operating the tool for which it is written and supplied. Ensure that anyone who is to use the tool has read and understood the instructions provided.

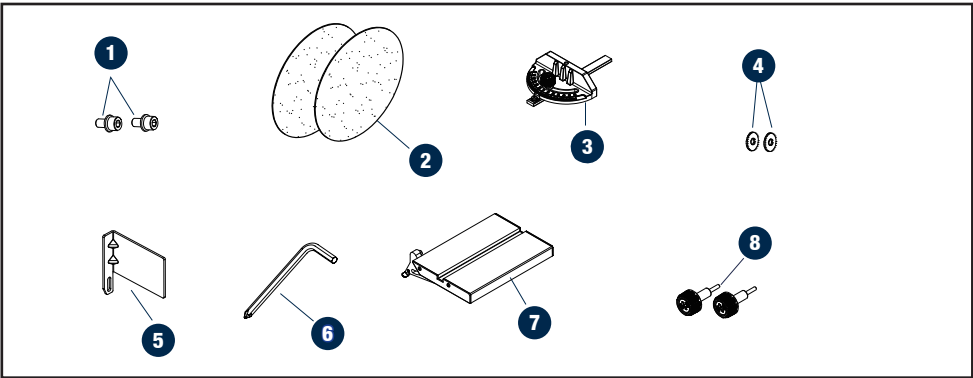
Before You Start – Unpacking

Your Mastercraft® Belt/Disc Sander has been shipped completely assembled with the exception of the sanding disc, disc guard, mitre gauge, work support and work table. Carefully remove all parts from the shipping carton. Do not discard the packing material until you have carefully inspected the belt and disc sander, identified and located all parts.If all parts are present, proceed to assembly.

Examine all parts to ensure no breakage has occurred during shipping. Missing or damaged parts should be replaced before use. Should you discover or suspect that parts are missing or damaged, do not return to the store. Call (toll-free) the number on the front of this Operating Manual.

Package Contents

No.	Description	Qty.
1	Hexagon socket cheese head screws and flat washers	2
2	Sanding disc	2
3	Mitre gauge	1
4	Big flat washer D6	2
5	Limiting plate	1
6	Hex key with cross-head end	1
7	Work table	1
8	Table lock handle	2



**WARNING!**  
Always ensure the sander is unplugged prior to attempting any assembly, installation or changing of parts and accessories.

Before You Start – Electrical

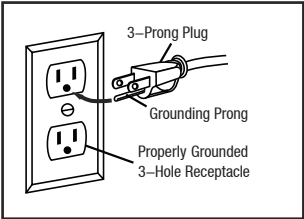
In the event of a malfunction or short circuit, grounding provides the path of least resistance for electrical current and reduces the risk of electric shock for the operator. This tool is equipped with an electric cord that has an equipment grounding conductor and a grounding plug. The plug must be 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 an electrician.

IMPROPER CONNECTION of the equipment grounding conductor can result in increased risk of electric shock. The conductor with the green insulation (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 you do not completely understand the grounding instructions or if you are not sure if the tool is properly grounded.

This tool is intended for use on a circuit that has an outlet that looks like the one illustrated. The original tool has a grounding plug that looks like the plug illustrated as the shown.



Use of Extension Cords

USE ONLY THREE-WIRE EXTENSION CORDS that have 3-pronged plugs and 3-hole outlets that accept the tool’s plug. Repair or replace damaged or worn cords immediately.

Be sure your extension cord is properly wired and in good condition. Do not use damaged extension cords. Always replace a damaged extension cord.

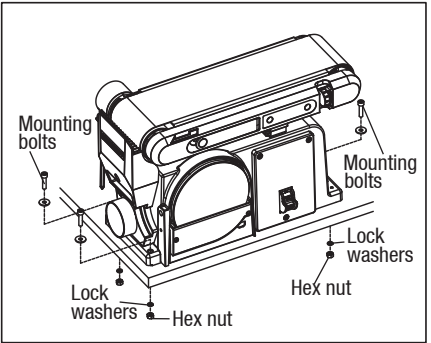
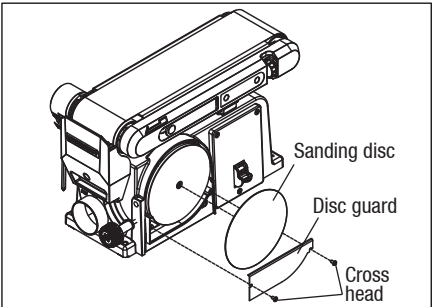
When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage, resulting in loss of power and overheating. The table on the next page shows the correct size to use according to the cord length and the amperage draw of the tool (specified on the nameplate). When in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord. (AWG = American Wire Gauge).

Minimum Gauge for Extension Cords (AWG)  
(when using 120 V only)

Ampere Rating		Total Length of Cord			
More Than	Not More Than	25' (7.6 m)	50' (15 m)	100' (30.4 m)	150' (45.7 m)
0	6	18	16	16	14
6	10	18	16	14	12
10	12	16	16	14	12
12	16	14	12	Not Recommended	

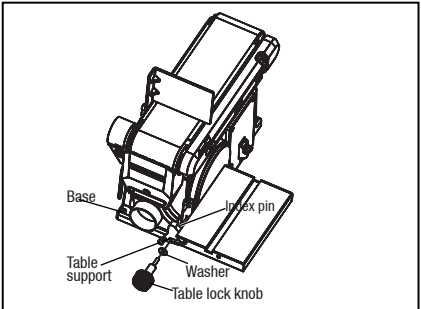
Use a separate electrical circuit for your tools. This circuit should not be less than a #12 gauge wire, and should be protected with a 15 A time-lag fuse. Before connecting the motor to the power line, ensure the switch is in the "0" position and the electric current is rated the same as the current stamped on the motor's nameplate. Running at a lower voltage will damage the motor and is not covered by warranty.

- 1 Mark the workbench through the mounting holes located in the sander base. Drill holes in the workbench at the marks. Using long bolts, washers, locking washers and nuts, as shown (not supplied), secure the sander to the workbench.

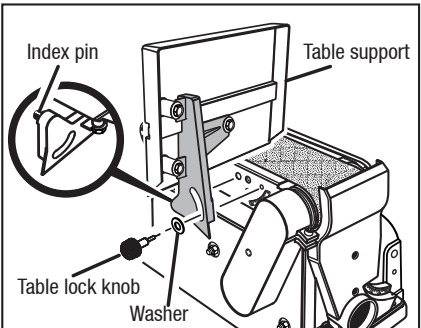


- 2 Align perimeter of sanding disc with hook-and-loop adhered to the disc plate, and press sanding disc firmly into position on disc plate, leaving no loose edges. Position disc guard against lower 1/3 of disc, aligning holes as shown. Use a screwdriver to fasten the provided screws securely.

- 3 a. Locate table-lock knob and washer in parts bag. Position table-support bracket so that "index pin" fits into corresponding slot on sander frame and semi-circular hole aligns with threaded hole in frame. Place washer on threaded shaft of table-lock knob, insert through semi-circular slot, and tighten into threaded hole.

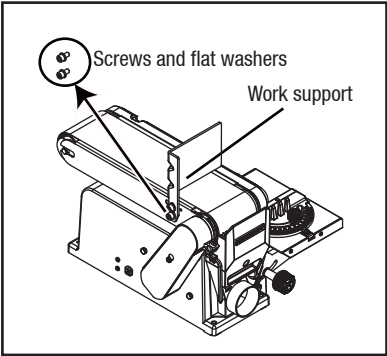
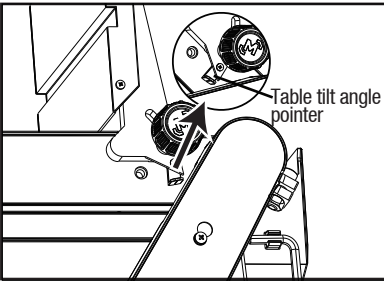
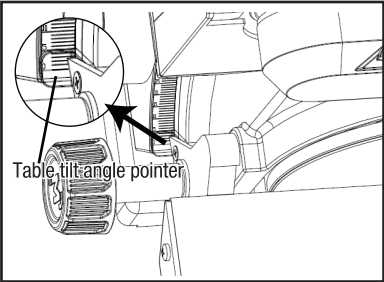


- b. Work table also could be mounted to end of sanding belt. Insert the work table index pin into the hole in the sanding belt arm. Position a washer over the table lock knob, then tighten the table lock knob securely. Adjust table to level or to angle desired for sanding then tighten the table lock knob securely.



- c. 1. When using the sanding disc, adjust the table tilt angle pointer to 0.
2. When using the sanding belt, adjust the table tilt angle pointer to the position that does not interfere with the work table.

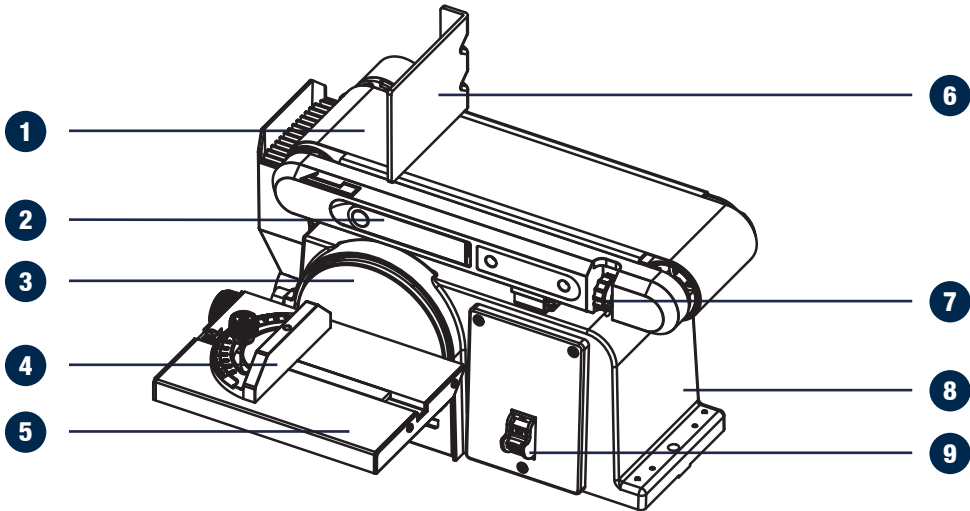
Note:When using the work table on the sanding disc for the first time, the table tilt angle pointer needs to be adjusted to 0 position. After using the work table on the sanding belt, if want to use it on the sanding disc,please adjust the table tilt angle pointer to 0 position again.



- 4 Locate work support and hexagon socket cheese head screws and flat washers. Hold work support in position and fasten as shown. Do not overtighten.

No.	Description	Qty.
1	Sanding belt	1
2	Belt tension lever	1
3	Sanding disc	2
4	Mitre gauge	1
5	Work table	1

No.	Description	Qty.
6	Limiting plate	1
7	Tracking control knob	1
8	Base	1
9	I/O switch	1



### Safety – Locking ON/OFF Switch

The rocker I/O power switch is located on the front of the sander, and incorporates a removable safety switch.

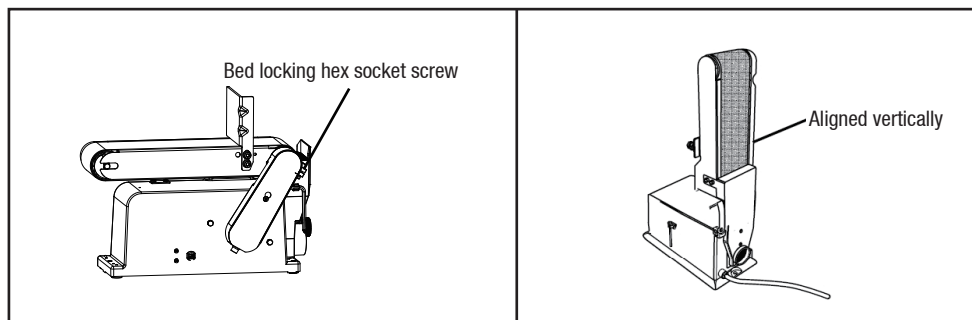
1. Press the side marked I to turn the sander on.
2. Press the side marked O to turn the sander off.

In situations where the sander may be left unattended, the operator has the option of removing the “yellow” safety portion of the ON/OFF switch to render the sander inoperable. When the operator is ready to use the machine again, the “yellow” safety portion of the switch may be reinstalled simply by inserting it into the opening in the switch and pushing it in until it “seats.”

### Belt Sander – Horizontal and Vertical Sanding

Your Mastercraft® Belt/Disc Sander can sand vertically as well as horizontally. Depending on operator needs and the workpiece, the work support can be used in either a horizontal or vertical position. To change from one position to the other:

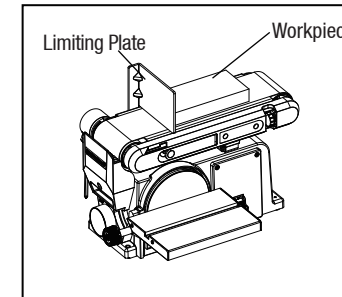
1. Locate the 15/64” (6 mm) hex wrench
2. Loosen the bed-locking hex socket screw by turning it counter-clockwise.
3. Manually move the work support station into the vertical or horizontal position, as required.
4. Retighten the bed-locking hex socket screw by turning it clockwise (using the 15/64” (6 mm) hex wrench).



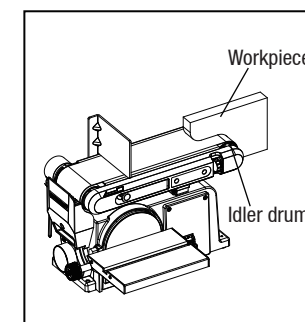
### Surface Sanding on the Sanding Belt

When sanding flat, broad surfaces on the belt sander, hold the workpiece firmly but lightly onto the surface of the belt and against the limiting plate, keeping fingers away from the sanding belt. Consider using a push or hold-down stick.

Apply only enough pressure to allow the sanding belt to remove material.



### Sanding Curved Pieces

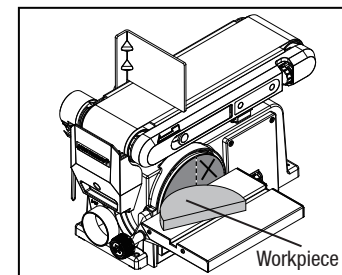


When sanding inside curves on the belt sander, always sand on the idler drum end of the work-support station (right side of the machine as shown in diagram).

Hold the workpiece firmly, keeping fingers away from the sanding belt. Keep the curve pressed firmly against the idler drum, moving the work evenly back and forth across the drum.

### Sanding Disc Station – Sanding Outside Curves

Always sand outside curves using the sanding disc and moving the workpiece from the left side of centre, as shown. Keep the curve pressed firmly against the sanding disc, moving the work evenly from the left side of the sanding disc. Be sure to hold the workpiece firmly onto the surface of the sanding-disc table.



### Mitre Gauge – Disc Sander

A mitre gauge is supplied with your sander, and can be used on the disc table. The mitre gauge head can be set anywhere up to 60° (right or left) by loosening the lock-knob, setting the mitre gauge head to the desired angle, and retightening the lock-knob.

### Sanding Small End Grain and Other Small Surfaces Using the Mitre Gauge

Use of the mitre gauge is recommended for sanding small end surfaces on the sanding disc. Always move the workpiece across the sanding disc from the left side towards the right side, and be sure to hold the workpiece down tightly onto the table surface.



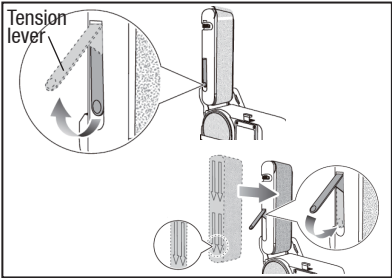
#### NOTE:

Sand long workpieces with the sanding belt in the vertical position by moving the work evenly across the sanding belt.

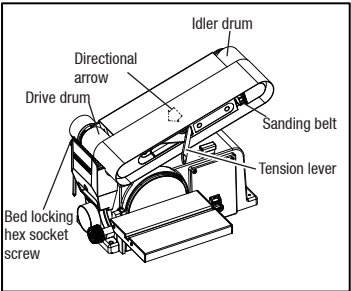
Maintenance Required	Frequency
Check power cord	Before each use
Check sanding belts and discs for damage	Before each use
Check moving parts for alignment and binding issues	Before each use
Dress sanding surfaces	As needed
Replace sanding belts or discs	As needed
Clean and vacuum dust	As needed
Replace worklight bulb	As needed

Installing or Changing Accessories – Sanding Belts

Installation



- 1. Pull tension lever up to release tension.
- 2. Slide new belt over the belt rotating mechanism / sanding drums. Ensure the belt is centred on both drums (ends of mechanism).
- 3. Push tension lever back to apply tension to the belt.
- 4. Place the sanding belt over the drive roller and idler roller with the directional arrows running counter-clockwise.
- 5. Before using, check belt tracking as described in "Belt Tracking" section, and adjust as necessary.



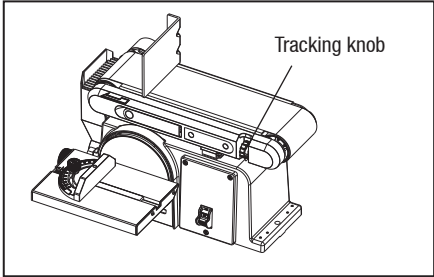
Removal

- 1. Pull tension lever up to release the belt tension.
- 2. Slide the used sanding belt off of the rotating mechanism.

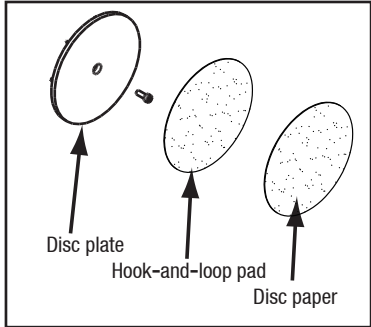
The belt-tracking adjustment is set at the factory so that the abrasive belt will run true on the drums. If, however, the belt should track to one side or the other, an adjustment can be made by turning the tracking knob, which is located on the front right-hand side of the machine. Turning the knob clockwise will cause the belt to track to the right (towards the disc sander mechanism). Turning the knob counter-clockwise will cause the belt to track to the left side of the machine.

To Properly Track the Sanding Belt

- 1. Plug in the sander.
- 2. Turn power switch ON, then immediately OFF, noting whether the belt tends to slide off its track, and to which side (front or back) of the sander.
- 3. If the sanding belt did not tend to either side, it is tracking properly.
- 4. If the sanding belt moves towards the disc (the front side of the sander), turn the tracking knob clockwise ¼ turn.
- 5. If the sanding belt moves away from the disc (towards the back side of the sander), turn the tracking knob counter-clockwise ¼ turn.
- 6. Turn power switch ON, then immediately OFF again, again taking note of any belt movement.
- 7. Readjust tracking knob another ¼ turn, as necessary.



Installing or Changing Accessories – Sanding Discs



- 1. Remove and set aside mitre gauge.
- 2. Completely remove the work table.
- 3. Align perimeter of hook-and-loop with disc plate, press new sanding disc firmly onto disc plate.
- 4. If the hook-and-loop needs to be changed, please remove the hook-and-loop from the disc plate. Ensure disc plate is clear. Peel backing from new hook-and-loop, press new hook-and-loop firmly onto disc plate.

Dust Chute/Port – Operation

Sanding operations are inherently dusty. To help minimize the amount of dust that escapes into the surrounding air, this Mastercraft® Belt/Disc Sander is equipped with a 2 1/4" (57 mm) dust chute/port that can be easily connected to a dust-collection system. It is strongly recommended that users employ a dust-collection system when using this belt/disc sander.

Use of a mask or respirator is still recommended even when a dust-collection system is in use.



WARNING!

Turn the power off and remove the plug from the outlet before changing the accessories.

**WARNING!**

For your own safety, turn the switch OFF and remove the plug from the electrical outlet before adjusting or performing maintenance or lubrication work on the belt/disc sander.

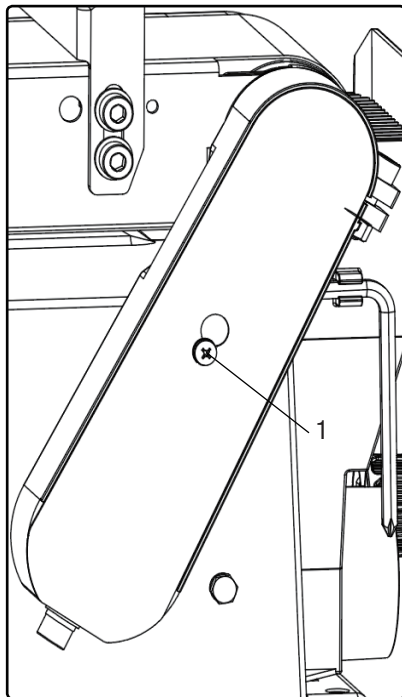
Before using, check to make sure parts are not damaged, missing, or worn. Check for alignment of moving parts, binding of moving parts, improper mounting, or any other condition that may affect the sander's operation. If any of these conditions exist, do not use the sander until parts are replaced or the sander is properly repaired. Frequently blow or vacuum dust from all sanding parts and motor housing.

**WARNING!**

Any attempt to repair or replace electrical parts on this tool may be hazardous. Repairs should be done by a qualified service technician.

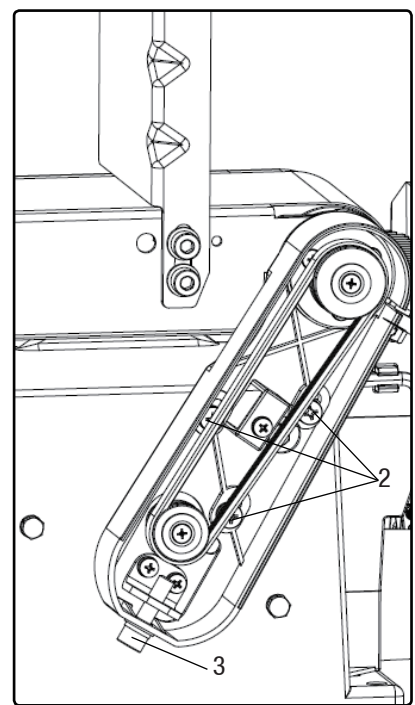
**Lubrication**

Ball bearings are grease packed at the factory and require no further lubrication. Use a spray lubricant on all moving table parts to ensure smooth operation.



**Adjusting the Drive Belt**

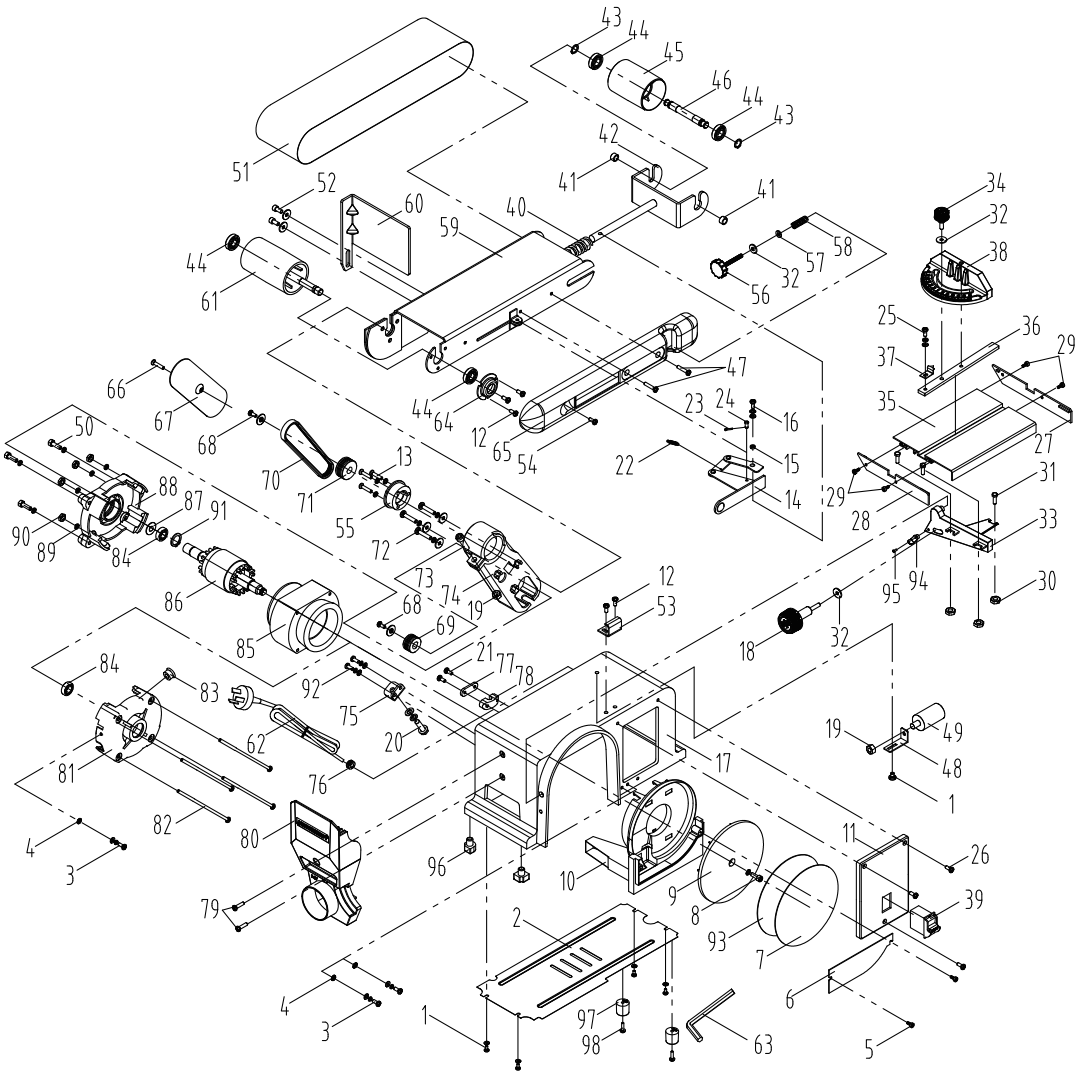
1. Loosen the screw (1) securing the drive belt housing cover to the drive belt housing. Lift the cover up and over the screw and remove it.
2. Using a cross-head screwdriver, loosen the 3 screws (2) securing the drive belt housing to the sander body.
3. Using the included hex wrench, loosen (turn counter-clockwise) the hex screw (3) at the bottom of the drive belt housing. This will release the tension on the drive belt and allow you to perform adjustments or install a new drive belt.
4. Reseat the belt on the pulleys, making sure the belt is properly seated in the grooves of both pulleys.
5. Retighten the belt by tightening (turning clockwise) the hex screw at the bottom of the drive belt housing.
6. Tighten all three screws (2).
7. Test belt tension by squeezing both sides of the belt. If properly adjusted, the belt should "give" between 1/8–1/4" (3–6 mm). Make sure that the belt grooves are properly seated in the pulleys.
8. Carefully reinstall the drive belt housing cover. Tighten the screw.



**NOTE:**

Excessive tightness on the pulley belt will cause increased noise and motor overload. Premature failure will occur if belt is too loose.

EXPLODED VIEW



PARTS LIST

NO.	Description	Spec.	Qty.
1	Cross-head screw and flat washer	M4X6	5
2	Base plate		1
3	Cross-head screw, flat washer and spring washer	M4X7	3
4	Toothed lock washer $\phi 4$	$\phi 4$	3
5	Self-tapping screw ST4.2x10	ST4.2X10	2
6	Disc cover		1
7	6" Disc paper	150mm	2
8	Inner hex socket set screw and toothed lock washer M6X16	M6X16	1
9	Disc		1
10	Wheel box		1
11	Switch plate		1
12	Cross-head screw M5X8	M5X8	5
13	Cross-head screw and spring washer	M5X25	3
14	Tension knob		1
15	Sleeve		1
16	Cross-head screw and toothed lock washer M5x16	M5X16	1
17	Base		1
18	Table lock handle		2
19	Hex nut M8	M8	2
20	Inner hex socket set screw, spring washer and flat washer M8x30	M8X30	1
21	Cross-head screw M4x20	M4X20	2
22	Spring		1
23	Pin 1.6x10	1.6X10	1
24	Pin shaft	5X10	1
25	Cross-head screw, spring washer and flat washer	M5x8	1
26	Cross-head screw M4x10	M4X10	3
27	Work table right baffle		1
28	Work table left baffle		1
29	Self-tapping screw 3.5"x9.5	3.5"x9.5	4
30	Hex flange nut M6	M6	3
31	Hex screw M6x14	M6*14	3
32	Big flat washer $\phi 6$	$\phi 6$	3
33	Table bracket		1
34	Mitre gauge handle		1
35	Work table		1
36	Mitre bar		1
37	Mitre gauge pointer		1
38	Mitre gauge		1
39	Switch		1
40	Compressed spring		1

NO.	Description	Spec.	Qty.
41	Sheath		2
42	Guide frame		1
43	External circlip D12	D12	2
44	Bearing 6001-2RS	6001-2RS	4
45	Driven drum		1
46	Driven shaft		1
47	Cross-head screw M5x25	M5*25	2
48	Capacitor bracket		1
49	Capacitor		1
50	Hex screw and spring washer M6x20	M6X20	3
51	Sanding belt	100*914mm	1
52	Inner hex socket set screw and flat washer M8x16	M8X16	2
53	Bracket support		1
54	Cross-head screw M5x16	M5x16	1
55	Bearing seat		1
56	Belt adjustable handle		1
57	Rubber washer		1
58	Adjustable spring		1
59	Bracket assembly		1
60	Limiting plate		1
61	Driving drum assembly		1
62	Power cord with plug		1
63	Hex wrench		1
64	Bearing cap		1
65	Bracket cover		1
66	Cross-head screw and flat washer	M5x25	1
67	Wedge belt cover plate		1
68	Cross-head screw and special nut	M5x16 Left	2
69	Motor wheel shaft		1
70	Wedge belt		1
71	Driven pulley		1
72	Cross-head screw, flat washer and spring washer	M6x25	3
73	Hex screw M8x25	M8X25	1
74	Wedge belt cover		1
75	Belt bracket plate		1
76	Cord clip 6P4	6P4	1
77	Cord clip subplate		1
78	Cord clip plate		1
79	Cross-head screw M5x20	M5*20	2
80	Dust hood		1

NO.	Description	Spec.	Qty.
81	Front end cap		1
82	Cross-head screw M6x113	M6*113	4
83	Retainer		1
84	Bearing 6003-2RS	6003-2RS	2
85	Stator		1
86	Rotor		1
87	Wave spring washer φ35	φ35	1
88	Rear end cap		1
89	Light-duty spring washer φ6	φ6	4

NO.	Description	Spec.	Qty.
90	Hex nut M6	M6	4
91	External circlip D17	D17	1
92	Cross-head screw, spring washer and flat washer M5x12	M5X12	2
93	Hook-and-loop		1
94	Table tilt angle pointer		1
95	Cross-head screw M3x8	M3X8	1
96	Rubber feet		2
97	Fixed rubber feet		2
98	Cross-head screw M4x16	M4x16	2

Service on these tools should only be performed by an authorized, qualified technician.

SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
Sanding grains easily rub off belt or discs.	1. Sanding belt/disc has been stored in an incorrect environment. 2. Sanding belt/disc has been damaged or folded.	1. Ensure sanding accessories are stored away from extremely hot or dry temperatures. 2. Store sanding accessories flat—not bent or folded.
Deep sanding grooves or scars in workpiece.	1. Sanding belt/disc grit is too coarse for the desired finish. 2. Workpiece sanded across the grain. 3. Too much sanding force on the workpiece. 4. Workpiece held still against the belt-disc for too long.	1. Use a finer grit sanding accessory. 2. Sand with the grain of the wood. 3. Reduce pressure on workpiece while sanding. 4. Keep workpiece moving while sanding on the sanding accessory.
Sanding accessories clogs quickly.	1. Too much pressure against belt/disc. 2. Sanding soft wood.	1. Reduce pressure on workpiece while sanding. 2. Use different stock, different sanding accessories, or accept that this will happen and plan on cleaning or replacing belts/discs frequently.
Burns on workpiece.	1. Using a sanding grit that is too fine. 2. Using too much pressure. 3. Work held still for too long.	1. Use a coarser grit sanding accessory. 2. Reduce pressure on workpiece while sanding. 3. Do not keep workpiece in one place for too long.
Motor will not start.	1. Low voltage. 2. Open circuit in motor or loose connections. 3. Blown fuse or breaker.	1. Check power source for proper voltage. 2. Inspect all lead connections on motor for loose or open connections. (Send for Servicing) 3. Change fuse or reset breaker. (Send for Servicing.)
Motor will not start; fuses or circuit breakers tripping or blowing.	1. Short circuit in line, cord or plug. 2. Short circuit in motor or loose connections. 3. Incorrect fuses or circuit breakers in power line.	1. Inspect cord or plug for damaged insulation and shorted wires. 2. Inspect all connections on motor for loose or shorted terminals and/or worn insulation. 3. Install correct fuses or circuit breakers or switch tool to an appropriately sized circuit.

SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
Motor overheats.	1. Motor overloaded.  2. Extension cord too long and of insufficient gauge (weight).	1. Reduce the motor load.  2. Use an extension cord of the correct gauge and length or plug the tool directly into the outlet.
Motor stalls (resulting in blown fuses or tripped circuit).	1. Short circuit in motor or loose connections.  2. Low voltage.  3. Incorrect fuses or circuit breakers in power line.  4. Motor overload.	1. Inspect connections on motor for loose or shorted terminals or worn insulation. (Send for Servicing.) 2. Correct low voltage conditions (for example: improper extension cord length and/or gauge). 3. Install CORRECT fuses or circuit breakers or plug tool into an appropriate circuit, matched to an appropriate fuse or breaker. 4. Reduce the load on the motor.
Machine slows when operating.	1. Feed rate too great.  2. Undersized circuit or use of undersized extension cord.	1. Reduce the rate at which the workpiece is fed into the working area of the tool. 2. Ensure circuit wires or extension cords are proper gauge, or eliminate use of extension cords.
Machine vibrates excessively.	1. Incorrect motor mounting.  2. Incorrect sanding-belt tension.  3. Weak or broken tension spring. 4. Idler roller is too loose. 5. Broken/defective sanding accessories.	1. Have motor mountings inspected by service technician. 2. Adjust tension adjustment lever. Follow belt-tensioning/tracking instructions in this manual. 3. Have tension spring replaced by service technician. 4. Have service technician adjust idler roller. 5. Replace sanding belt/disc.
Workpiece frequently gets pulled out of operator's hands.	1. Not supporting the workpiece against the stop. 2. Attempting to sand (unaided) a workpiece that is too small.	1. Use the platen (backstop) or mitre gauge to support the workpiece. 2. Use another hand tool or jig to grasp or hold the workpiece.
Workpiece lifts up from the sanding disc/table.	1. Sanding on the "up" side of the wheel.	1. Sand on right side of sanding disc (as operator faces the disc).

3-Year Limited Warranty

This Mastercraft product is guaranteed for a period of three (3) years from the date of original retail purchase against defects in workmanship and materials, except for the following component:

Component A: Accessories, which are guaranteed for a period of one (1) year from the date of original retail purchase against defects in workmanship and materials.

Subject to the conditions and limitations described below, this product, if returned to us with proof of purchase within the stated warranty period and if covered under this warranty, will be repaired or replaced (with the same model, or one of equal value or specification), at our option. We will bear the cost of any repair or replacement and any costs of labour relating thereto.

These warranties are subject to the following conditions and limitations:

- a) a bill of sale verifying the purchase and purchase date must be provided;
- b) this warranty will not apply to any product or part thereof which is worn or broken or which has become inoperative due to abuse, misuse, accidental damage, neglect or lack of proper installation, operation or maintenance (as outlined in the applicable owner's manual or operating instructions) or which is being used for industrial, professional, commercial or rental purposes;
- c) this warranty will not apply to normal wear and tear or to expendable parts or accessories that may be supplied with the product that are expected to become inoperative or unusable after a reasonable period of use;
- d) this warranty will not apply to routine maintenance and consumable items such as, but not limited to, fuel, lubricants, vacuum bags, blades, belts, sandpaper, bits, fluids, tune-ups or adjustments;
- e) this warranty will not apply where damage is caused by repairs made or attempted by others (i.e., persons not authorized by the manufacturer);
- f) this warranty will not apply to any product that was sold to the original purchaser as a reconditioned or refurbished product (unless otherwise specified in writing);
- g) this warranty will not apply to any product or part thereof if any part from another manufacturer is installed therein or any repairs or alterations have been made or attempted by unauthorized persons;
- h) this warranty will not apply to normal deterioration of the exterior finish, such as, but not limited to, scratches, dents, paint chips, or to any corrosion or discolouring by heat, abrasive and chemical cleaners; and
- i) this warranty will not apply to component parts sold by and identified as the product of another company, which shall be covered under the product manufacturer's warranty, if any.

Additional Limitations

This warranty applies only to the original purchaser and may not be transferred. Neither the retailer nor the manufacturer shall be liable for any other expense, loss or damage, including, without limitation, any indirect, incidental, consequential or exemplary damages arising in connection with the sale, use or inability to use this product.

Notice to Consumer

This warranty gives you specific legal rights, and you may have other rights, which may vary from province to province. The provisions contained in this warranty are not intended to limit, modify, take away from, disclaim or exclude any statutory warranties set forth in any applicable provincial or federal legislation.