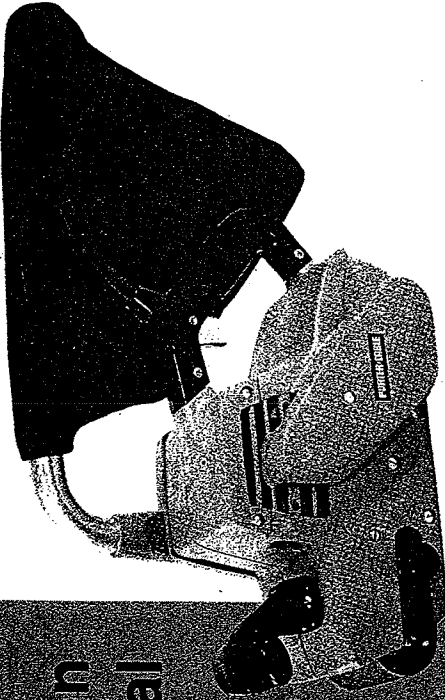
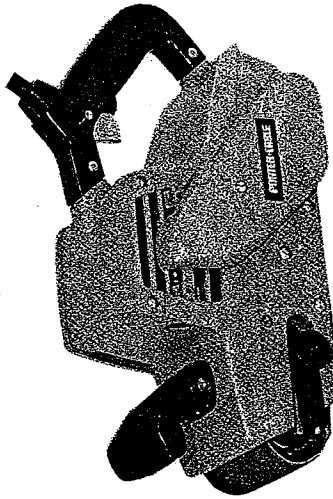


# Instruction manual

## Belt Sanders



MODEL 360 3" x 24" BELT  
MODEL 362 4" x 24" BELT



MODEL 361 3" x 24" BELT  
MODEL 363 4" x 24" BELT

### IMPORTANT

Please make certain that the person who is to use this equipment carefully reads and understands these instructions before starting operations.

The Model and Serial No. plate is located on the main housing of the tool. Record these numbers in the spaces below and retain for future reference.

Model No. \_\_\_\_\_

Type \_\_\_\_\_

Serial No. \_\_\_\_\_

P/C

363

352 VS

DW 432

No. Part No. Description

No. Part No. Description

No. Part No. Description

## SELECTING AN ABRASIVE BELT

The principal abrasive material used on belts for machine sanding are aluminum oxide and silicon carbide. The first is not as hard as the second, but is tougher and more suited for woods and soft (non-ferrous) metals. Silicon carbide is extremely hard and is best suited for surfacing stone, marble and glass.

Abrasives are classed as open-coated (spaced) or closed-coated, meaning that the grits are spaced apart or close together. Closed coatings provide hard, fast cutting action for hardwoods and dense metals while the open coatings are more suited to soft materials and painted surfaces.

To obtain the best finish, start with a "COARSE" grade of abrasive and change to "MEDIUM" and "FINE" grades as work progresses. A wide range of available PORTER-CABLE Sanding Belts are listed in the back of the Manual. It is recommended that you keep a full assortment on hand so you will always have the correct belt for any job you may encounter.

## INSTALLING AND REMOVING THE ABRASIVE BELT

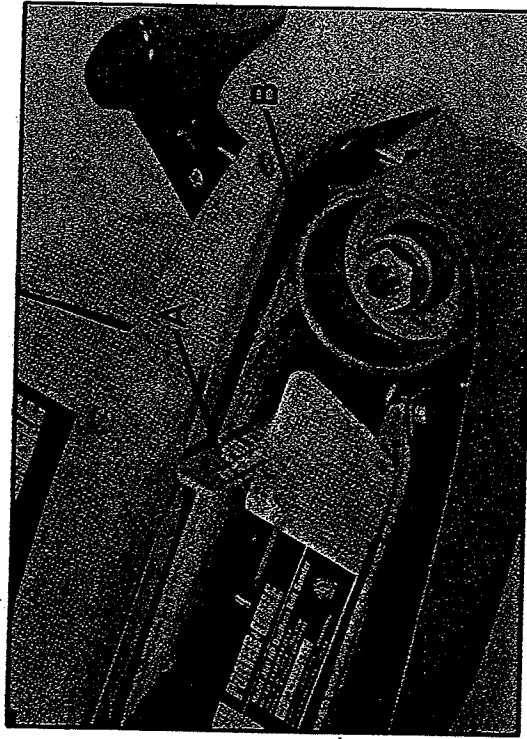


Fig. 1

1. **CAUTION: DISCONNECT Sander from Power source.**
2. Lay sander on its left side, Fig. 1.
3. Pull lever (A) out and towards front of machine as shown. This retracts idler pulley (B) and releases tension on abrasive belt.
4. Old belt may now be removed easily.
5. Install new belt so that the arrow, printed on the inside of the belt, is on the top and pointing TOWARD the idler pulley.
6. Engage front pulley by pushing lever (A) back to its original position.

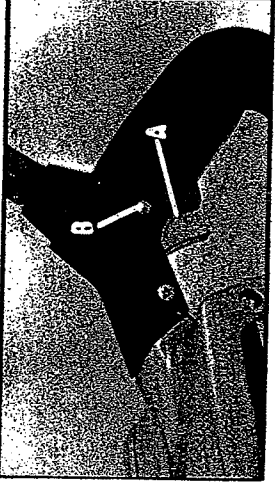


Fig. 2

## TO START AND STOP BELT SANDERS

1. Make sure switch is off and power circuit voltage is the same as the voltage shown on specification plate on the sander. Connect machine to power circuit.
2. Squeeze Trigger Switch (A) (Fig. 2) to start motor. Release Trigger to stop motor.
3. **LOCK BUTTON** - A lock button (B) is provided to keep motor running without holding the trigger switch ON.

To lock the trigger switch ON, squeeze the trigger as far as it will go, push in lock button and release trigger.

To unlock lock button, squeeze trigger and release, leaving lock button free to spring out.



Fig. 3

## TRACKING THE ABRASIVE BELT

**NEVER** allow abrasive belt to rub on frame of sander. This causes excessive wear to both the sander and belt. To prevent this, track the belt in the following manner:

1. **CAUTION:** Make sure trigger switch is OFF before connecting machine to power circuit.
2. Turn machine over, grasping rear handle with left hand so last two fingers rest on trigger switch (Fig. 3).
3. Start motor by squeezing trigger.

Turn the belt tightening screw (A) in either direction until edge of belt runs flush with outer edge of rear rubber covered pulley. The edge of belt will extend beyond edge of the front pulley.

5. Turn motor OFF and allow sander to come to a COMPLETE STOP before setting it down.

### ATTACHING AND CARE OF DUST BAG - MODELS 360 AND 362

The dust bag is completely assembled at the factory. To attach to the sander, merely push the dust bag tube into vacuum housing.

For most efficient operation, empty the dust bag when it is not more than half filled. To remove, grasp dust bag tube where it enters vacuum housing and pull straight out. Unzip rear of bag and shake out dust. Occasionally turn bag inside out and brush the dust accumulations from the inside.

### HOW TO USE THE SANDER

1. **CAUTION:** SECURE WORK and maintain a FIRM GRIP on sander. Friction between sanding belt and work will try to move the work backwards and the sander forwards.
2. **CAUTION:** ALWAYS be sure switch is OFF before connecting sander to power circuit.
3. HOLD sander OFF the work and start motor.
4. LOWER sander to work, letting the rear part of the belt touch first. Level the machine as it is moved forward.
5. GUIDE the machine over the work in overlapping strokes allowing the sander to do the work.
6. AVOID applying excessive pressure when sanding. The weight of the machine is usually sufficient for a fast smooth finish. A slight increase in pressure may speed removal of material, while too much pressure will slow the motor and decrease removal.
7. WORK BACK and FORTH over a fairly wide area to obtain an even surface.
8. DO NOT let the machine tilt or the edge of the belt will make a deep cut into the surface.
9. Do not pause in any one spot during the sanding operation because the belt will quickly remove material making the surface uneven.
10. Lift sander from work before turning off motor.
11. ALWAYS be sure motor has completely stopped before setting sander down.



Fig. 4

### FAST SANDING ON ROUGH WORK

To smooth a rough surface quickly, use 2½ grit abrasive belt. With the belt positioned diagonally across the grain, move the sander in the direction of the grain as shown in Fig. 4. Overlap the strokes well and cover the entire surface, working from both sides of the board. That is, once with the sander angled to the left and once angled to the right. Smooth the surface by guiding the sander back and forth with the grain. Change the belt to a #1 or 1½ grit and follow the same procedure. Finish off by thoroughly working over the grain lengthwise. Change again to a #2/0 or 3/0 grit and work entirely back and forth with the grain. Always finish your work by sanding with the grain.

### REMOVING OLD PAINT AND VARNISH

Your sander is an excellent tool for removing old paint and varnish from flat surfaces. Two problems are common to such work. One is loading the abrasive with the material being removed and the other is overheating the paint or varnish by working too long in one place. Use a spaced grain or open coat abrasive belt and a single stroke action to overcome the loading problem. Lower the sander at the end of the work and pull back. Raise the machine and do the same in a different location. Overheating can be avoided by using a fairly quick stroke and moving to another area for the next. A piece of felt about ¼" thick can be inserted under the shoe for fast spot sanding and for working on stubborn areas of paint and varnish.

### SPECIAL SANDING PROCEDURES

Ordinarily the sanding stroke is back and forth. Some materials and some types of operations, however, require a different technique. In rough sanding, use the machine at an angle. In spot sanding, use the machine with only the front pulley touching the surface. This is especially required in smoothing excess glue from wood joints. On metals, slate, marble or plastic materials, there is no grain to worry about so the sanding may be done in different directions.

When sanding doors, cabinet frames, sash, storm windows and screens, care must be taken to avoid working into the cross grain where one member meets another. Notice that the right edge of the belt is visible on your sander and you should watch it closely as work progresses. Work carefully along the edge where the rail meets the stile. If the joint is slightly uneven, use a 2/0 abrasive and very light sanding pressure to get it smooth before making the finishing runs.

### **SANDING VERTICAL SURFACES**

For lengthy work on walls or other vertical surfaces, the sander can be counterbalanced with a length of sash cord, two small pulleys, a light wood frame and a weight the same as or slightly less than the weight of the sander. The frame consists of two pieces leaned against the wall with a third piece nailed across their top ends. The two pulleys are located so the weight on one end of the cord will be out of the way, but will balance the sander fastened to the other end. When starting vertical work, angle the sander so you can see the belt make contact with the material. As the belt touches, level the machine and make the stroke away and to the left. This movement will offset any tendency to cut heavily into the work at the start of the stroke.



Fig. 5

### **GOOD SANDING TECHNIQUE**

Getting the feel of your sander is most important in obtaining smooth results with a minimum of labor. You will quickly learn how to start the stroke with a sweeping motion that will produce the best results. Use a long even stroke without any additional pressure on the machine. Overlap each stroke and vary the length of movement so the results will be even over the entire surface. Always lift the sander from the work before starting and stopping the motor. **BE CAREFUL WHEN RUNNING OUT TO THE END OF A BOARD NOT TO LET THE FRONT OF THE MACHINE DROP, AS SHOWN IN Fig. 5.** This will have the effect of rounding the edge. Keep the sander flat on the work surface.

Your sander will do a perfect job for you if you will follow these few suggestions. It works very fast and can do a thorough job in a fraction of the time required by hand sanding. Do not rush the job. Give every surface a thorough working over with each grade of abrasive before changing to finer grits. Always use the abrasive material and grit size recommended for the job at hand.

### **SANDING METAL**

Belt Sanders may be used to sand metal surfaces to obtain a grained satin finish. Special graphite-asbestos pads are available to replace the steel shoe on the bottom of the sander. The softness of these pads aids in blending the graining while the sander is being passed over the surface. (See the accessories listed in the back of this manual for catalog numbers of these pads.) The 3" wide pad is the proper length for sanders using a 3" x 24" belt, and the 4" wide pad is the proper length for sanders using a 4" x 27" belt. For sanders using shorter belt lengths, cut the pad with scissors so that it is the same length as the steel shoe on the bottom of the sander. To assemble, remove the screws and clamp bar retaining the steel shoe. Replace the steel shoe with the asbestos pad and reassemble.

## **MAINTENANCE**

### **KEEP TOOL CLEAN**

Periodically blow out all air passages with compressed air. Remove built up grime resulting from working green or sappy woods. **ALL PLASTIC PARTS SHOULD BE CLEANED WITH SOFT CLOTHS. NEVER USE SOLVENTS WHEN CLEANING PLASTIC PARTS.**

**CAUTION:** Wear safety glasses while using compressed air.

### **LUBRICATION**

This tool has been lubricated with a sufficient amount of high grade lubricant for the life of the unit under normal operating conditions. No further lubrication is necessary.

### **BRUSH INSPECTION**

At approximately 100 hours of use, take or send your tool to your nearest Authorized Porter-Cable Service Station to be thoroughly cleaned and inspected; worn parts replaced, when necessary; re-lubricated with fresh lubricant, if required; reassembled with new brushes; and performance tested.

Any loss of power before the above maintenance check may indicate the need for immediate servicing of your tool. **DO NOT CONTINUE TO OPERATE TOOL UNDER THIS CONDITION.** If proper operating voltage is present, return your tool to the Service Station for immediate service.

## BELT GUIDE

The belt guide, or traction block, is made of hardened steel. It is located to the left and at the rear of the idler pulley and is fastened to the frame. This block protects the frame of the machine when tracking the abrasive belt. Always adjust the belt so it moves evenly across (without rubbing) the guide block. When this block becomes worn and uneven, it may be reversed for further use. Once both ends are worn and uneven, replace the block with a new one specified in the parts list for your model sander. To reverse the block do not turn the block over, merely rotate it until the hole that was towards the front of the machine is now towards the rear.

## DRIVE PULLEY

The rubber-covered drive pulley at the rear of the machine is crowned or tapered from the center to either side to make the abrasive belt run true and in line with the idler pulley at the front of the machine. After considerable use, the crown will wear away and the belt will begin to run off the side of the pulley and cut into the guide block or frame. When the crown is worn to this extent, have the drive pulley replaced by your Authorized Porter-Cable Service Station. This action can be checked each time the abrasive belt is replaced and tracked. After the belt is tracked to the front pulley, watch it for a few seconds to see that it runs true and stays in place on the back pulley. Avoid getting oil and grease on the rubber cover. It will cause it to fail.

## FAILURE TO START

Should your tool fail to start, check to make sure the prongs on the cord plug are making good contact in the outlet. Also, check for blown fuses or open circuit breakers in the line.

## SERVICE AND REPAIRS

All quality tools will eventually require servicing or replacement of parts due to wear from normal use. These operations, including brush inspection and replacement, should ONLY be performed by either an AUTHORIZED PORTER-CABLE SERVICE STATION or a PORTER-CABLE SERVICE CENTER. All repairs made by these agencies are fully guaranteed against defective material and workmanship. We can not guarantee repairs made or attempted by anyone other than these agencies.

## ACCESSORIES

The testing of this tool has been accomplished with the following accessories. For safest operation, it is recommended that only these accessories be used with this product.

**WARNING** - Since accessories other than those listed have not been tested with this product, use of such accessories could be hazardous.

## BELT SANDER ACCESSORIES



**ABRASIVE BELTS** (10 Belts Per Carton)  
Aluminum Oxide and Silicon Carbide Belts are available in various grits ranging from fine #120-3/0 to coarse #24-3. As a general rule use Aluminum Oxide Open Coat Belts (Type SA) for finishing non-ferrous metals, sanding soft woods and compositions or removing paint and varnish.

Size	Type	Fine Grit	
		120-3/0	80-1/0
3" x 24"	SA	13213-10	13207-10
4" x 24"	SA	13333-10	13237-10

Size	Type	Medium Grit	
		60-1/2	40-1/4
3" x 24"	SA	13204-10	13198-10
4" x 24"	SA	13324-10	13318-10

Size	Type	Coarse Grit	
		36-2	24-3
3" x 24"	SA	13195-10	
4" x 24"	SA	13315-10	

**No. 39331 Dust Bag**—For Models 360 and 362.  
**Graphite Belt Sander Shoe** used in place of steel shoe for sanding and graining metal.  
**No. 48118**—3" wide  
**No. 48119**—4" wide



# Belt Sander

76 mm (3") MODEL 9900B

## INSTRUCTION MANUAL



### Specifications

Belt size	Belt speed	Continuous rating (Input)	Overall length	Net weight	Power supply cord
76 mm x 533 mm (3" x 21")	360 m /min. (1,180 ft.)	850 W	316 mm (12-1/2")	4.6 kg (10.1 lbs)	5 m (16.4 ft.)

Manufacturer reserves the right to change specifications of parts and accessories without notice. Note: Specifications of parts and accessories may differ from country to country.

## IMPORTANT SAFETY INSTRUCTIONS

**WARNING:** When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following:

### READ ALL INSTRUCTIONS.

- KEEP WORK AREA CLEAN.** Cluttered areas and benches invite injuries.
- CONSIDER WORK AREA ENVIRONMENT.** Don't use power tools in damp or wet locations. Keep work area well lit. Don't expose power tools to rain. Don't use tool in presence of flammable liquids or gases.
- KEEP CHILDREN AWAY.** All visitors should be kept away from work area. Don't let visitors contact tool or extension cord.
- STORE IDLE TOOLS.** When not in use, tools should be stored in dry, and high or locked-up place - out of reach of children.
- DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was intended.
- USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended.
- DRESS PROPERLY.** Don't wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty.
- DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
- SECURE WORK.** Use clamps or advise to hold work. It's safer than using your hand and it frees both hands to operate tool.
- DON'T OVERREACH.** Keep proper footing and balance at all times.
- MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have repaired by authorized service facility. Keep handles dry, clean, and free from oil and grease.
- DISCONNECT TOOLS.** When not in use, before servicing, and when changing accessories, such as blades, bits, cutters.
- REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
- AVOID UNINTENTIONAL STARTING.** Don't carry plugged-in tool with finger on switch. Be sure switch is OFF when plugging in.
- OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
- STAY ALERT.** Watch what you are doing, use common sense. Don't operate tool when you are tired.
- 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 other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or

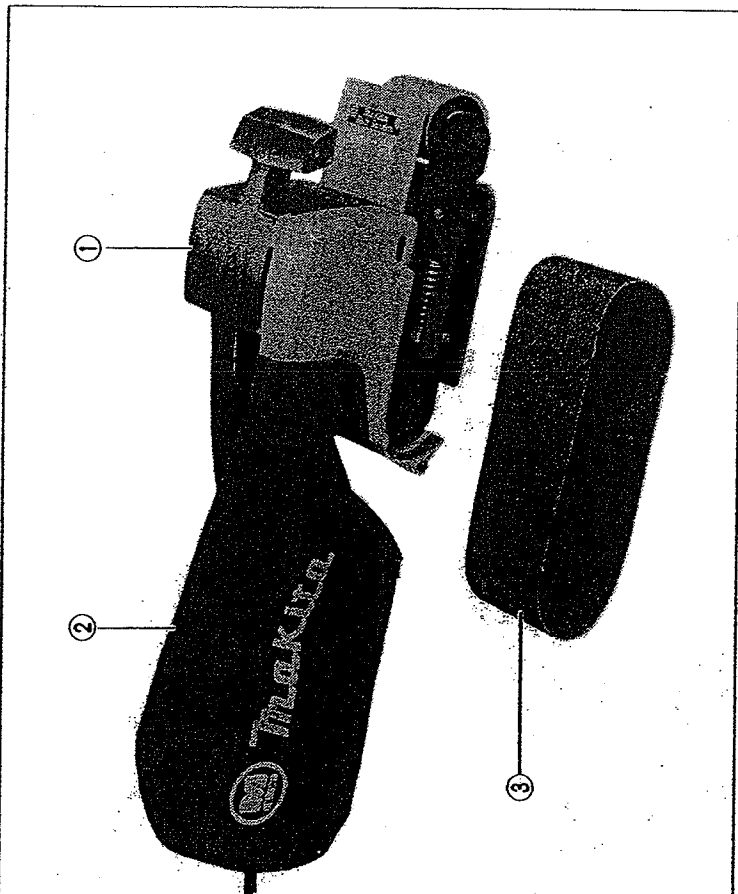
replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Don't use tool if switch does not turn it on and off.

19. **GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces. For example: pipes, radiators, ranges, refrigerator enclosures.

20. **REPLACEMENT PARTS.** When servicing, use only identical replacement parts. **SAVE THESE INSTRUCTIONS.**

**VOLTAGE WARNING:** Before connecting the tool to a power source (receptacle, outlet, etc.) be sure the voltage supplied is the same as that specified on the nameplate of the tool. A power source with voltage greater than that specified for the tool can result in **SERIOUS INJURY** to the user — as well as damage to the tool. If in doubt, **DO NOT PLUG IN THE TOOL.** Using a power source with voltage less than the nameplate rating is harmful to the motor.

### Belt Sander & Standard Equipment



- ① Tool body
- ② Dust bag
- ③ Abrasive belt

### How to use

#### Switch action

To start the tool, simply pull the trigger. Release the trigger to stop. For continuous operation without having to keep your finger on the trigger, just pull the trigger and then push in the lock button with your thumb. To stop the tool from lock position, just pull the trigger again and release it.



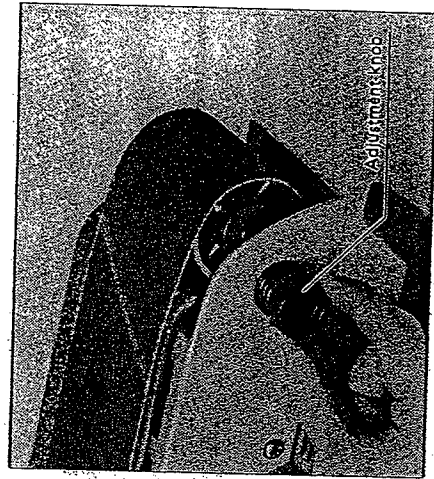
#### Mounting belt

With the tool unplugged and the lever pulled out all the way, slip the belt over the rollers with the arrow direction on the belt the same as that of tool revolution (or belt life is shortened).



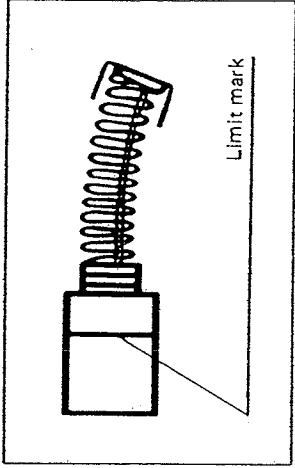
#### Belt adjustment

Flip sander over on its back and use the adjustment knob to obtain equal tension of belt over the front and back rollers. Then plug in sander and switch it on, using the adjustment knob to center the belt as it runs over the rollers. Failure to adjust belt properly over rollers can result in frayed belt edges.



### Replacing carbon brushes

Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only Makita carbon brushes.



### Optional accessories

**CAUTION:** The accessories specified in this manual are recommended for use with your Makita Belt Sander. The use of any other accessory might be hazardous.

#### Abrasive belts

##### • Belt type and use

- AA — For wood, iron and steel.
- CC — For stone and plastics.



Grit	Part No.	Use	Sheets per pack
AA40	742306-7	Coarse	10
AA60	742307-5		
AA80	742308-3		
AA100	742309-1	Medium	10
AA120	742310-6		
AA150	742311-4	Fine	10
AA180	742350-4		
AA240	742312-2		

Grit	Part No.	Use	Sheets per pack
CC40	742313-0	Coarse	10
CC60	742314-8		
CC80	742315-6	Medium	10
CC100	742316-4		
CC120	742317-2	Fine	10
CC150	742318-0		
CC180	742351-2		
CC240	742319-8		

#### Carbon plate

Part No. 423027-7



#### Steel plate

Part No. 342466-1



##### CAUTION:

Install the steel plate so that THE EDGE OF THE STEEL PLATE WILL NOT PROTRUDE FROM THE EDGE OF THE BASE PLATE ON THE SIDE WITH THE BELT INSTALLING LEVER. IF THE PLATE IS ALLOWED TO PROTRUDE, IT MAY CAUSE INJURY.



DEWALT Industrial Tool Co., 701 East Joppa Road, Baltimore, MD 21286  
Form No. 399951-01 RW432 432

New  
2/21/09

If you have questions or comments, contact us.  
Pour toute question ou tout commentaire, nous contacter.  
Si tiene dudas o comentarios, contáctenos.

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INSTRUCTION MANUAL  
GUIDE D'UTILISATION  
MANUAL DE INSTRUCCIONES

INSTRUCTIVO DE OPERACIÓN, CENTROS DE SERVICIO Y PÓLIZA DE GARANTÍA. ADVERTENCIA: LEÁSE ESTE INSTRUCTIVO ANTES DE USAR EL PRODUCTO.



DW432 3"x 21" Belt Sander

DW433 3"x 21" Variable Speed Belt Sander

DW432 Ponceuse à courroie (7,6 x 53,3 cm ou 3 x 21 po)

DW433 Ponceuse à courroie à vitesse variable (7,6 x 53,3 cm ou 3 po x 21 po)

DW432 3" x 21" Lijadora de correa

DW433 3" x 21" Lijadora de correa de velocidad variable

**ADDITIONAL SPECIFIC SAFETY INSTRUCTIONS FOR BELT SANDERS**

- Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord. Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.
- Do not sand metal of any kind with your belt sander. Sparks may be generated by sanding screws, nails or other metals which may ignite dust particles.
- Do not wet sand with this sander. Liquids may enter the motor housing and cause electric shock.
- Empty dust bag frequently. Especially when sanding resin coated surfaces such as polyurethane, varnish, shellac, etc. The accumulation of fine sanding dust particles may self ignite and cause fire.
- Do not operate this tool for long periods of time. Vibration caused by the operating action of this tool may cause permanent injury to fingers, hands, and arms. Use gloves to provide extra cushion, take frequent rest periods, and limit daily time of use.
- Clean out your tool often, especially after heavy use. Dust and grit containing metal particles often accumulate on interior surfaces and could create a risk of serious injury, electric shock or electrocution. ALWAYS WEAR SAFETY GLASSES.

**CAUTION:** Wear appropriate personal hearing protection during use. Under some conditions and duration of use, noise from this product may contribute to hearing loss.

**WARNING:** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paints.
- crystalline silica from bricks and cement and other masonry products.
- arsenic and chromium from chemically-treated lumber (CCA).

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

- Avoid prolonged contact with dust from power sanding, sawing, grinding, drilling, and other construction activities. Wear protective clothing and wash exposed areas with soap and water. Allowing dust to get into your mouth, eyes, or lay on the skin may promote absorption of harmful chemicals.

**CAUTION:** Use of this tool can generate and/or disburse dust, which may cause serious and permanent respiratory or other injury. Always use NIOSH/OSHA approved respiratory protection appropriate for the dust exposure. Direct particles away from face and body.

## **ASSEMBLY**

### **Replacing the Sanding Belt**

**⚠ WARNING: BE SURE SANDER IS TURNED OFF AND DISCONNECTED FROM THE POWER SUPPLY WHEN CHANGING THE SANDING BELT. BEFORE RECONNECTING THE TOOL, DEPRESS AND RELEASE THE TRIGGER SWITCH TO ENSURE THAT THE TOOL IS OFF.**

#### **TO REMOVE SANDING BELT (FIG. 2)**

1. Rotate the belt release lever (A) up until the top front wheel of the sander retracts releasing the tension on the abrasive belt.
2. Set the sander on its side so all three wheels are visible.
3. Remove the worn out belt.

#### **TO INSTALL SANDING BELT**

1. Slip a new belt around the wheels. Arrows printed on the inside of the belt point in the direction in which the wheels turn. Orient the belt in the direction of wheel rotation. Be sure the belt does not go over the tracking flange (B) located on the inside of the top, front wheel as shown in Figure 3.
2. Rotate the belt release lever (A) down into position to reapply tension to the belt.

**NOTE:** Some sanding belts are multi-directional and do not have arrows. The direction of rotation is also indicated on the brush cover (C) in Figure 1.

## **MOTOR**

Your DEWALT tool is powered by a DEWALT-built motor. Be sure your power supply agrees with the nameplate marking. Volts 50/60 Hz or "AC only" means your tool must be operated only with alternating current and never with direct current. Voltage decrease of more than 10% will cause loss of power and overheating. All DEWALT tools are factory tested, if this tool does not operate, check the power supply.

## **OPERATION**

### **Switch Operation**

To start the belt sander, depress the trigger switch (D). Allow the belt sander to reach operating speed before touching the work surface.

To slow or stop the belt sander, release the trigger switch.

For continuous operation, press in the lock button (E) while the trigger switch is depressed and the belt sander is running (Fig. 2).

To release from continuous operation, squeeze the trigger and the lock will disengage.

**⚠ WARNING: BE SURE THE LOCK BUTTON IS NOT DEPRESSED BY CYCLING THE SWITCH SEVERAL TIMES OR BY DEPRESSING AND RELEASING THE SWITCH SEVERAL TIMES BEFORE PLUGGING IN YOUR BELT SANDER! DAMAGE TO YOUR TOOL OR PERSONAL INJURY MAY RESULT.**

### **Variable Speed (DW433 ONLY)**

The speed control dial, located on the back of the rear handle, moves the speed of the sanding belt from approximately 850 surface feet per minute on speed #1 (light sanding; fine grit sanding belts) to approximately 1400 surface feet per minute on speed #6 (more aggressive sanding; coarse sanding belts). Low speeds also prevent excessive belt wear and overheating when removing paint with the belt sander.

### **Front Handle**

There are two positions for the front handle: top position and front position. The unit comes with the handle installed in the top position (F) as shown in Figure 1.

#### **TO POSITION THE HANDLE**

1. Loosen the screw in the center of the handle using a Phillips screwdriver.
2. Attach the handle to the threaded hole in the front (G) or the top (F) of the unit.
3. Tighten the screw.

**NOTE:** The handle must be properly seated over the mounting surface before tightening the screw.

### **Tracking the Belt**

Your belt sander is equipped with an automatic tracking system that prevents the belt from moving into the housing while the sander is operating. The automatic tracking system prevents damage to the sander housing and the destruction of the sanding belt.

#### **TO PROPERLY TRACK THE SANDING BELT (FIG. 2)**

1. Grasp the rear handle (H) of the unit firmly and flip the sander so that the belt is facing the operator.
2. Depress the trigger (D) to begin rotation of the belt.
3. Turn the tracking knob (I) counterclockwise to move the belt toward the housing. Turn the knob clockwise to move it away from the housing.

**NOTE:** The belt should be aligned with the flush edge of the platen (J) while the sander is in operation (Fig. 4).

4. Release the trigger and make sure the belt has come to a complete stop before setting the unit down.

## Proper Hand Position

Safe belt sanding is a two-handed operation. One hand is used to grip the rear handle of the unit while the other hand is used to grip the front handle as seen in Figure 4.

## Dust Collection System

**▲ WARNING:** Turn off and unplug sander before making any adjustments or removing or installing accessories. Before reconnecting the tool, depress and release the trigger switch to ensure that the tool is off.

### TO ATTACH THE DUST COLLECTOR (FIG. 5)

1. Pull the locking dust chute collar (K) up.
2. Insert the rubber dust ejection chute into the collar. Make sure the slots on the collar are aligned with the nubs (L) on the ejection chute.
3. Push the dust collector from the rear of the bag until the ejection chute snaps into the dust chute collar and the locks onto the belt cover (M).
4. Push the locking dust chute collar down to secure the dust collector to the unit.

### TO EMPTY THE DUST COLLECTOR

1. Pull up on the locking dust chute collar.
2. Remove the dust collector, the rubber ejection chute, and dust collector from the unit together.
3. Once the dust collector is disconnected from the unit, release the dust seal latch (N) on the underside of the collector (Fig. 6).
4. Squeeze the dust chute in the spaces indicated (O) to release the collector.
5. Pull the dust bag up to release it from the chute.
6. Slide the dust collector off of the rubber dust ejection chute.
7. Shake the bag and ejection chute over a trash can, tapping the bag lightly against the can to loosen any compacted dust particles.
8. When the dust collector is empty, reattach it to the dust ejection chute and then to the sander.

### DUST COLLECTION SHUT-OFF VALVE (FIG. 2)

When sanding in tight places, the dust collector may be removed.

**▲ CAUTION:** With the dust collector removed, the stream of dust will be blown through the exhaust port toward the operator unless the dust collection valve is closed.

To close the dust collection valve, push the lever (P) forward. This will prevent the flow of dust from the exhaust port.

To open the dust collection valve, pull the lever (P) backward. This will allow the flow of dust to exit the exhaust port.

## ACCESSORIES

Two accessories are offered for DeWALT belt sanders, DW432, DW433, at extra cost from your local service center. They are the DW4050-Vacuum Adapter and DW4055-Integrated Sanding Frame and Inversion Stand.

**▲ CAUTION:** The use of any other accessory not recommended for use with this tool could be hazardous.

## MAINTENANCE

**▲ WARNING:** Turn off and unplug sander before making any adjustments or removing or installing accessories. Before reconnecting the tool, depress and release the trigger switch to ensure that the tool is off.

The brushes on your belt sander may require replacement at some point during the life of the tool. Contact your local DeWALT authorized service center to obtain additional brushes.

### TO REMOVE THE BRUSHES

1. To remove the brush cover (C), use a flat head screwdriver or a T20 Torx Bit (Fig. 1).
2. Remove the brushes.

The cork under the platen on your belt sander may require replacement at some point during the life of the tool. A new platen/cork is available through your DeWALT service center.

### TO INSTALL A NEW PLATEN/CORK ON YOUR BELT SANDER

1. Remove the sanding belt from the sander as described in Assembly.
2. Use an M3 hex wrench to remove the existing steel platen/cork on the underside of the unit.
3. Attach the new platen/cork to the sander and discard the old one.
4. Install a sanding belt as described in Assembly.

## Cleaning and Lubrication

Use only mild soap and a damp cloth to clean the tool.

**▲ CAUTION:** Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

**▲ CAUTION:** Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool.

Self lubricating ball and roller bearings are used in the tool and relubrication is not required. However, it is recommended that, once a year, you take or send the tool to a DeWALT certified service center for a thorough cleaning, inspection and lubrication of the gear case.

FIG. 1

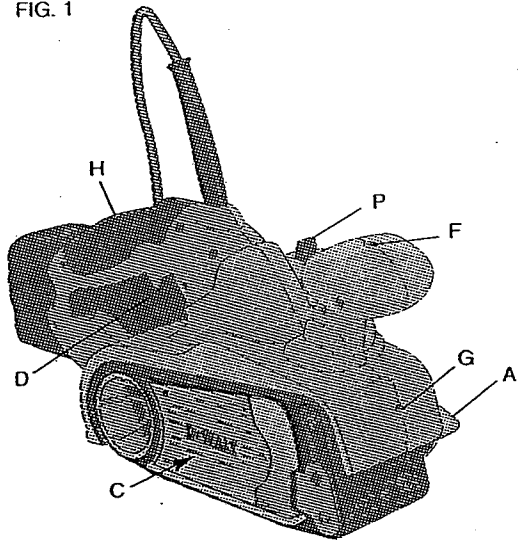


FIG. 2

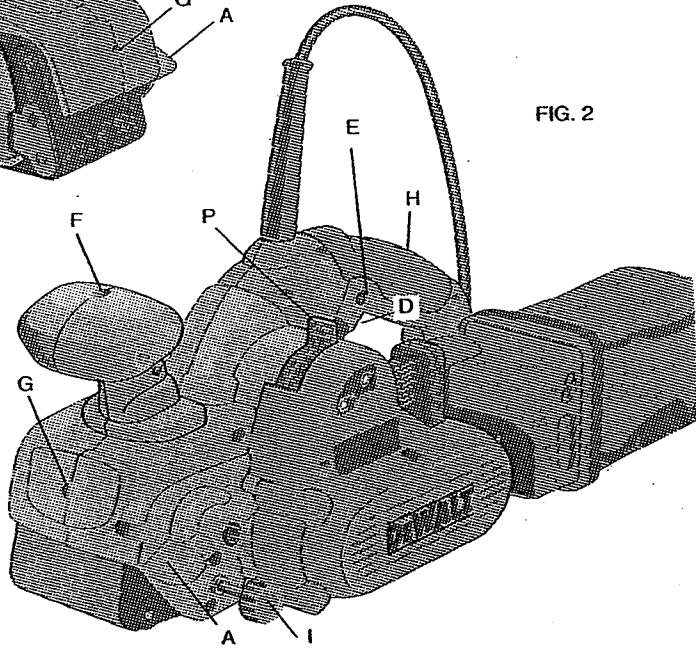


FIG. 3

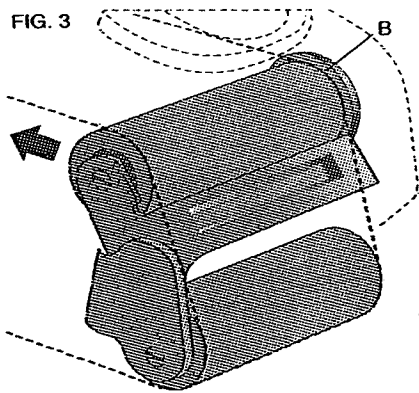


FIG. 4

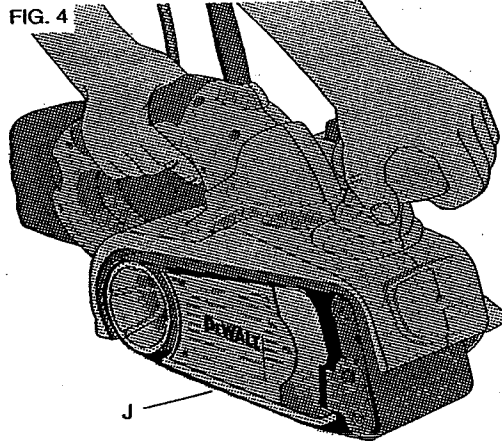


FIG. 5

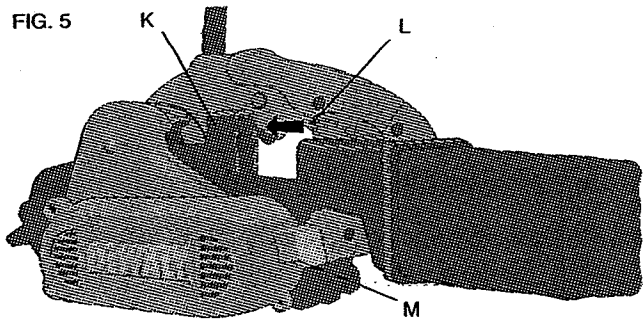


FIG. 6

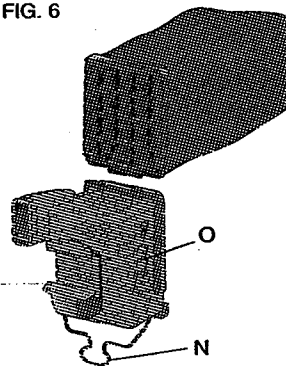


FIG. 7

