

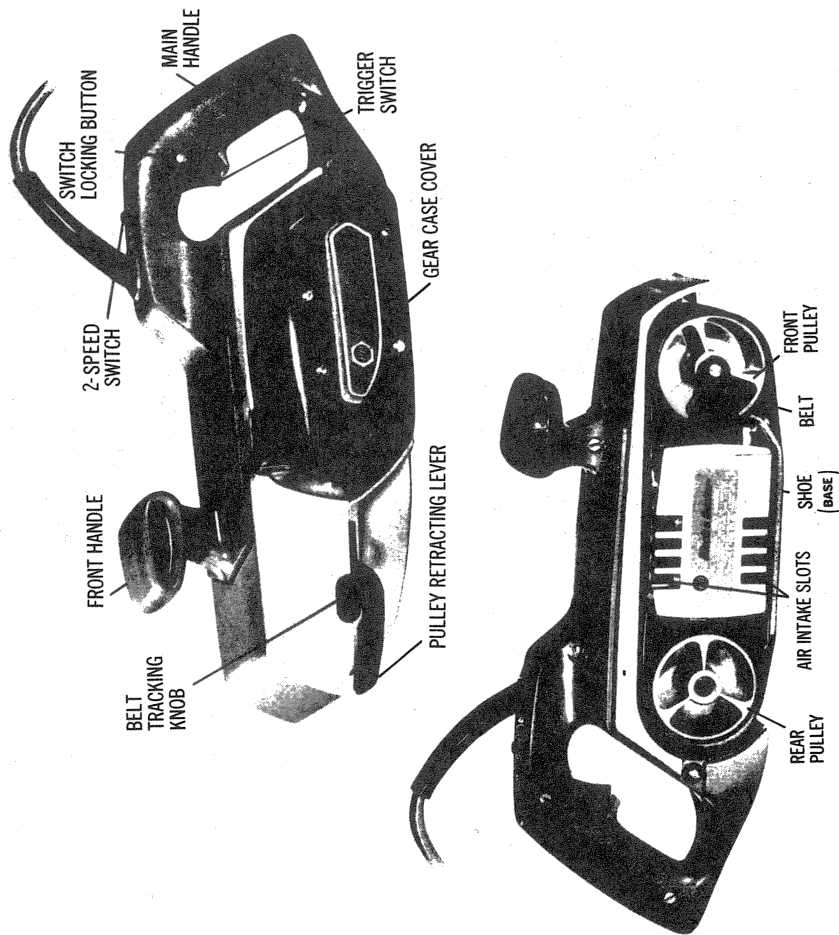


**Black & Decker®**

# OWNER'S MANUAL



**Black & Decker®**  
**POWER TOOLS**



BELT SIZE: 3" x 24"  
 BELT SPEED: High — 1250, Low — 1050 Feet per Minute  
 SANDING SURFACE: 13.8 Sq. Inches  
 115 Volts A.C. 5.7 Amps. 3/4 H.P.

# No. 4022-836 2-SPEED BELT SANDER

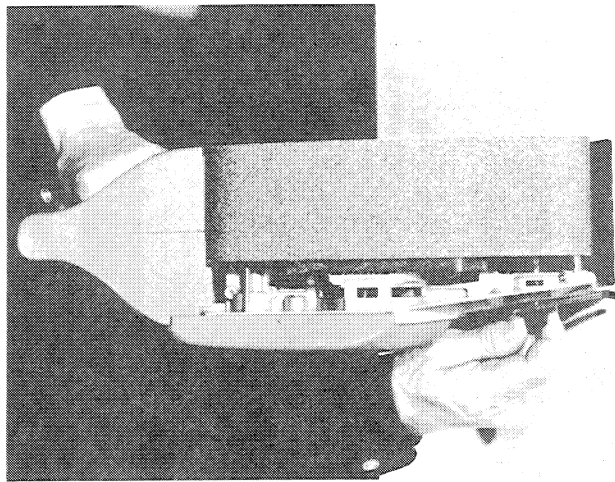
THE BLACK & DECKER MFG. CO., TOWSON, MD. 21204, U.S.A.  
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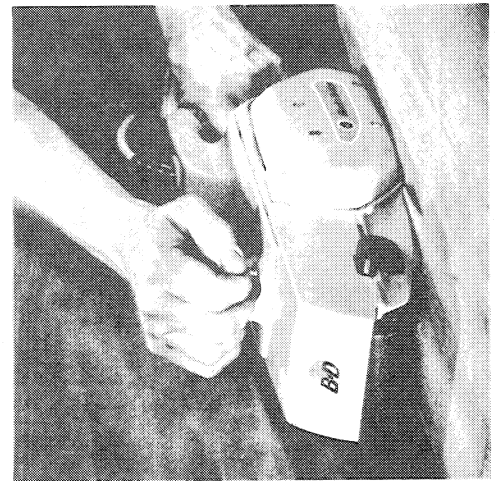
## BELT TRACKING ADJUSTMENT

Before sanding with a new belt, plug in the tool and hold it in the position shown in figure at right. Depress the switch and note whether the belt "tracks" evenly, keeping its outer edge flush with the outer edge of the shoe. If the belt starts to deviate from a straight track, rotate the Tracking Adjustment Knob slightly forward or backward until belt tracks evenly. When sanding, occasionally check to see if belt is tracking properly and adjust when necessary.



## OPERATION

Start the tool with the belt off of the work. Hold both handles firmly and begin your initial sanding stroke as the tool contacts the work. Keep the Sander moving to insure even sanding, and, in most cases, the weight of the tool provides sufficient pressure for proper sanding. Lift the Sander from the work before turning tool "OFF" to prevent gouging. High speed operation can be used for fast removal of material. Low speed is recommended for a final smooth finish.

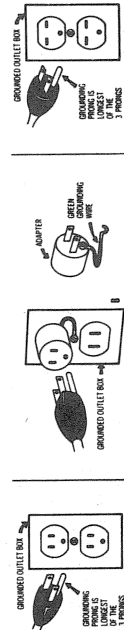


## SAFETY WITH BELT SANDERS

1. Before changing belts, or at any time the tool is not actually being used, be sure that the trigger switch is in the "OFF" position and that the cable is unplugged from the power supply.
2. Before plugging in the cable, be sure that the trigger switch is in the "OFF" position.
3. When starting or stopping the Sander hold the tool off of the work surface to prevent it from "running away" or gouging.
4. Use correct size belts — 3" x 24".

## GROUNDING

EVERY ELECTRIC TOOL SHOULD BE GROUNDED while in use to protect the operator against shock. This unit is equipped with approved 3-conductor cord and 3-blade grounding type attachment plug to be used with the proper grounding type receptacle. The green colored conductor in the cord is the grounding wire. Never connect the green wire to a "live" terminal. If your unit requires less than 150 volts, it has a plug that looks like fig. "A". A special grounding adapter (Fig. "B") is available from your dealer to permit using 2-wire receptacle until the correct receptacle is properly installed. The green grounding wire extending from the side of the adapter must be connected to a PERMANENT GROUND such as a properly grounded outlet box. If the unit requires from 150 to 250 volts it has a plug like Figure "C". No adapter is available and it should be used in the proper standard matching 3-wire grounding receptacle.



## CABLE

When using the tool at a considerable distance from power source, a properly grounded extension cable of adequate size must be used to prevent loss of power and over-heating. Use table at right for 115 Volt tools.

Ext. cable length in feet	25	50	75	100	150	200
Required wire size (A.W.G.) in cable	.18	.16	.14	.12	.12	.10



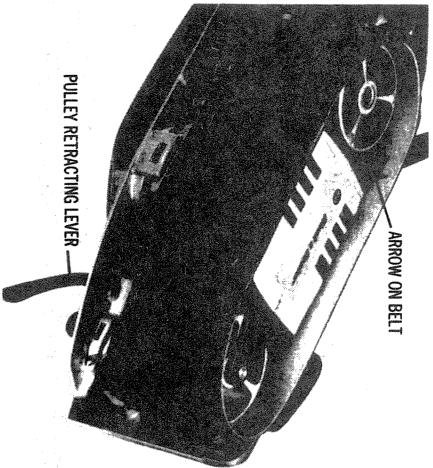
## SWITCHES

### PRACTICE THE FOLLOWING BEFORE PLUGGING TOOL INTO POWER SUPPLY:

1. Pulling the Trigger Switch turns the motor "ON" and puts the belt in motion. Releasing the Trigger turns the motor "OFF" and stops the belt.
2. To lock the motor "ON" for continuous sanding —
  - (a) Pull and hold back the Trigger.
  - (b) Depress and hold in the Locking Button.
  - (c) Release Trigger and release Locking Button and tool will stay "ON".
  - (d) To turn tool "OFF," pull and release Trigger.
3. 2-Speed Switch is located on top of handle. Push forward for high speed, push back for low speed. Switch position may be changed while motor is in operation. High speed 1250 feet per minute, low speed 1050 feet per minute.
4. Always lift the Sander so that the belt is free from contact with any material before turning the tool "ON." This will prevent a sudden forward "jump" of the tool as the belt begins to move.

## CHANGING BELTS

1. UNPLUG TOOL FROM POWER SUPPLY.
2. Pull out the Pulley Retracting Lever which releases the tension on the belt.
3. The worn belt can then be slipped off the pulleys and be replaced by a new one. See figure at right. Be sure that the arrow stamped on the belt points in the direction around the pulleys as shown.
4. The outer edge of the new belt should be lined up flush with the outer edge of the shoe. Push Pulley Retracting Lever back in close to the tool.
5. Adjust for proper belt tracking as follows on next page.



## BELT SANDER CARE & CLEANING

All bearings in your Belt Sander are of the sealed-lubricant type and do not require any lubrication.

Frequent cleaning of all accessible areas in and around the housing, with a vacuum cleaner nozzle, will keep your tool running cooler and more efficiently. If you notice the tool motor running slower than usual or losing power, or, you notice heavy sparking through the air intake slots, immediately take or send the tool to your nearest B&D Service Center for possible motor-brush replacement and a thorough cleaning and inspection.

## COMMUTATOR AND BRUSHES

Inspect carbon brushes often. The brushes are located under the motor housing cover, to which the name plate is secured, on the flush side of the sander. Make certain cable is unplugged from power supply. Remove the two screws at the top of this cover. The name plate will act as a hinge, and the top half of the cover can be lowered providing access to the motor brushes. Replace when brushes are worn down to the identifying letter or groove or when spring exerts insufficient pressure to hold brush against commutator. Keep brushes clean and sliding freely in guides. Inspect commutator for dirt and excessive wear. If dirty or rough, clean lightly with very fine sandpaper (NOT emery cloth). If badly worn or grooved, send tool to our nearest service station for repair.

## 3" x 24" SANDING BELTS

These Belts are precision-made, cut and bonded for accurate fit. Use on Black & Decker and other make Belt Sanders using a 3" x 24" belt.

C58368	36 coarse	CLOSED COAT ALUMINUM OXIDE for unfinished or new wood, ferrous metal, non-ferrous metals (aluminum, lead, copper, solder).
C58370	40 coarse	
C58372	50 medium	
C58374	60 medium	
C58376	80 medium	
C57378	100 fine	
C58380	120 fine	

C58367	24 coarse	OPEN COAT ALUMINUM OXIDE for removing lacquer, paint or varnish. Also for Green or resinous wood.
C58369	36 coarse	
C58371	40 coarse	
C58373	50 medium	
C58375	60 medium	
C58377	80 medium	
C58379	100 fine	

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