

CRL C.R. LAURENCE CO., INC.

3" x 24" Belt Sander

Instruction Manual

CAT. NO. LD324 and LD324AU



**Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL**



**Care for the environment!
Tool must not be discarded with household waste!
This product contains electrical or electronic components that should be
recycled. Leave the product for recycling at the designated station e.g.
the local authority's recycling station.**

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GENERAL SAFETY RULES

WARNING! Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term "power tool" in all of the warnings listed below refers to your corded power tool or battery operated (cordless) power tool.

SAVE THESE INSTRUCTIONS

1) WORK AREA

- a) Keep work area clean and well lit. Cluttered and dark areas increase the risk of accidents.
- b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. *Power tools create sparks which may ignite the dust or fumes.*
- c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2) ELECTRICAL SAFETY

- a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. *Unmodified plugs and matching outlets will reduce risk of electric shock.*
- b) Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators. *There is an increased risk of electric shock if your body is earthed or grounded.*
- c) Do not expose power tools to rain or wet conditions. *Water entering a power tool will increase the risk of electric shock.*
- d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. *Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.*
- e) When operating a power tool outdoors use an extension cord suitable for outdoor use. *Use of a cord suitable for outdoor use reduces the risk of electric shock.*
- f) Inspect tool cords periodically and, if damaged, have them repaired by an authorized service facility. Inspect extension cords periodically and replace if damaged.

3) PERSONAL SAFETY

- a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication. *A moment of inattention while operating power tools may result in serious personal injury.*
- b) Use safety equipment. Always wear eye protection. *Safety equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection used for appropriate conditions will reduce the risk of personal injuries.*
- c) Avoid accidental starting. Ensure the switch is in the OFF position before plugging in the tool. *Carrying power tools with your finger on the switch or plugging in power tools that have the switch ON increases the risk of accidents.*
- d) Remove any adjusting key or wrench before turning the power tool ON. *A wrench or a key left attached to a rotating part of the power tool increases the risk of personal injury.*

GENERAL SAFETY RULES

- e) Do not overreach. Keep proper footing and balance at all times. *This enables better control of the power tool in unexpected situations.*
- f) Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing, and gloves away from moving parts. *Loose clothes, jewelry or long hair can be caught in moving parts.*
- g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. *Use of these devices can reduce dust related hazards.*

4) POWER TOOL USE AND CARE

- a) Do not force the power tool. Use the correct power tool for your application. *The correct power tool will do the job better and safer at the rate for which it was designed.*
- b) Do not use the power tool if the switch does not turn ON and OFF. *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
- c) Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
- d) Store idle power tools out of the reach of children. Do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. *Power tools are dangerous in the hands of children.*
- e) Properly maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. *Many accidents are caused by poorly maintained power tools.*
- f) Keep cutting tools sharp and clean. *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
- g) Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. *Use of the power tool for operations different than intended could result in a hazardous situation.*

5) SERVICE

- a) Have your power tool serviced by a qualified repair person using only identical replacement parts. *This will ensure that the safety of the power tool is maintained.*

SPECIFIC RULES FOR SAFE OPERATION

- 1) AVOID ACCIDENTAL STARTING.** Make sure the switch is in the "OFF" position before plugging in.
- 2) ALWAYS SWITCH OFF AND WAIT.** Wait for the sanding belt to come to a complete stop before any type of adjustment or maintenance.
- 3) KEEP HANDS AWAY FROM MOVING PARTS.**
- 4) ALWAYS WEAR A DUST MASK OR RESPIRATOR.** The mask filter should be replaced regularly.
- 5) NO EATING, DRINKING OR SMOKING** should be done in the work area to prevent ingesting glass particles.

GENERAL SAFETY RULES

6) MAINTAIN TOOL WITH CARE. Keep tool clean for safest and best performance. Follow instructions for operation and changing accessories.

WARNING!: If any parts are missing, do not operate your belt sander until missing parts are replaced. Failure to do so could result in serious personal injury.

WARNING!: Do not use this tool as a component of other tools. Also, do not use attachments or accessories not recommended for use with this product. Any such use could result in possible serious injury.

TECHNICAL SPECIFICATIONS: LD324

Belt Size.....3" x 24"
 Belt Speed.....350M/MIN
 Voltage.....120V
 Amperage.....10A
 Cycle/Phase.....60Hz, 1 Phase

TECHNICAL SPECIFICATIONS: LD324AU

Belt Size.....76 x 610 mm
 Belt Speed.....350M/MIN
 Voltage.....240V
 Amperage.....1200W
 Cycle/Phase.....50Hz, 1 Phase

GETTING TO KNOW YOUR BELT SANDER



Figure 1

OPERATING THE SANDER

TURNING YOUR BELT SANDER ON/OFF

Warning! Always hold the belt sander firmly with both hands while sanding. To start the belt sander, press the On/Off Switch (A) Fig. 2. To stop the belt sander, release the On/Off Switch. For continuous operation press and hold the On/Off Switch (A) and then press the Lock-On Button (B). You can now release the On/Off Switch and the belt sander will continue to operate without holding the switch. To stop the belt sander, press and release the On/Off Switch.

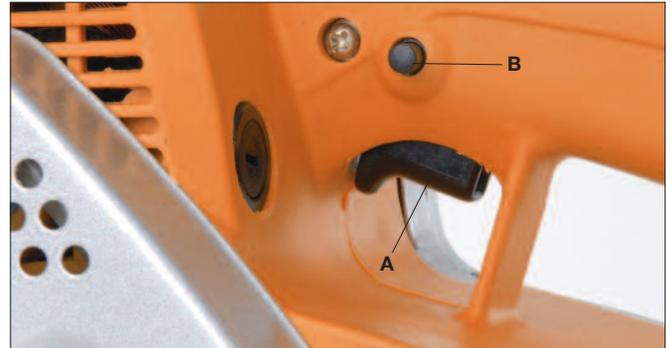


Figure 2

CHANGING THE SANDING BELT

To change the sanding belt, pull Lever (A) Fig. 3 which will release the belt tension. Pull the sanding belt off the two rollers (B). Also make sure the rear roller is free of all debris before installing belt. Place the new sanding belt in place around the two rollers. The belt should be centered between the front and the rear rollers. Push the Lever (A) towards the rear to increase the tension on the sanding belt.

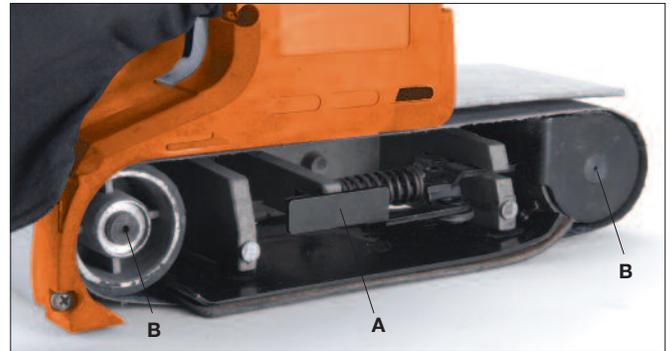


Figure 3

ADJUSTING SANDING BELT TRACKING

To adjust the sanding belt tracking, turn the sander upside down. Hold the sander firmly with one hand, start the motor and release the On/Off Switch immediately after observing the belt tracking. If the sanding belt runs outward, turn the Tracking Knob (A) Fig. 4 clockwise and counterclockwise if the sanding belt runs inward. Make this adjustment until the outer edge of the belt is even with the outer edge of both rollers (B).

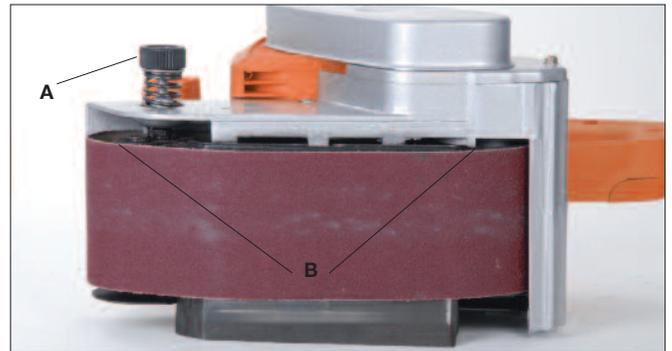


Figure 4

DUST COLLECTION

Warning! Before installing dust bag, unplug the belt sander from its source of power. When using your belt sander, dust and grit are produced, therefore it is important to use a dust bag (A) Fig. 5. To connect the dust bag to the dust collection port on the belt sander, place the right edge collection port as shown on Fig. 5. Press the dust bag spring at the top of the dust bag (B) together, this will widen opening. Slide the dust bag over dust collection port and release.

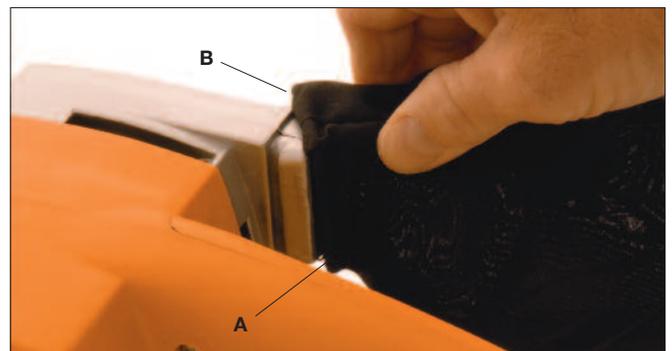


Figure 5

OPERATING THE SANDER

Caution! Do not allow the dust bag to get too full. Empty the dust bag regularly to improve the dust collection. Do not dispose of the dust particulate in an open fire. You should always empty the dust bag each time before you store the tool away.

Caution! When working on metal surfaces, do not use dust bag or a vacuum cleaner because sparks are generated. Wear safety glasses and a dust mask. Due to the danger of fire, do not use your belt sander to sand magnesium surfaces. Do not use for wet sanding.

OPERATION HINTS

Always start your belt sander before it is in contact with the workpiece. When possible, clamp your workpiece to a work bench. Use the correct grit sanding belt for your application.

MAINTAINING

- 1) Never apply excessive force on your belt sander. This may cause overloading and motor damage.
- 2) Keep your machine clean at all times. Always keep the air cooling vents clear of debris using a clean dry paint brush. Compressed air is not recommended because of the airborne particulates it creates.
- 3) Remove the electrical plug from the socket before carrying out any work on the device.
- 4) Never use caustic agents to clean the plastic parts.
- 5) Check the carbon brushes regularly (dirty or worn carbon brushes may result in excessive sparking).
- 6) This electric appliance is built in accordance with the relevant safety rules. Repair of electric appliance must only be carried out by experts, otherwise it may cause considerable danger for the user.