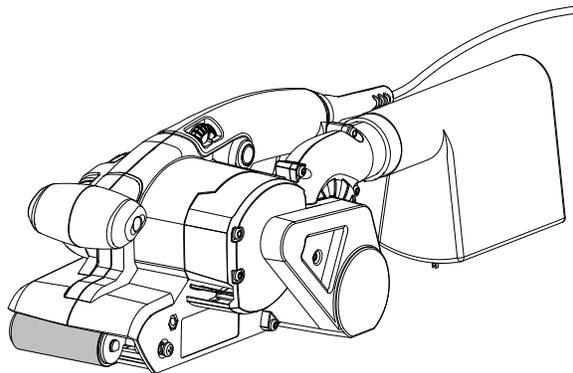


OPERATOR'S MANUAL

3 in. x 18 in. BELT SANDER

VARIABLE SPEED DOUBLE INSULATED

R2740



Your belt sander has been engineered and manufactured to our high standards for dependability, ease of operation, and operator safety. When properly cared for, it will give you years of rugged, trouble-free performance.

⚠ WARNING:

To reduce the risk of injury, the user must read and understand the operator's manual before using this product.

Thank you for buying a RIDGID® product.

SAVE THIS MANUAL FOR FUTURE REFERENCE

Cette ponceuse à bande a été conçue et fabriquée conformément à nos strictes normes de fiabilité, simplicité d'emploi et sécurité d'utilisation. Correctement entretenue, elle vous donnera des années de fonctionnement robuste et sans problème.

⚠ AVERTISSEMENT :

Pour réduire les risques de blessures, l'utilisateur doit lire et veiller à bien comprendre le manuel d'utilisation avant d'utiliser ce produit.

Merci d'avoir acheté un produit RIDGID®.

**CONSERVER CE MANUEL POUR
FUTURE RÉFÉRENCE**

Su lijadora de banda ha sido diseñada y fabricada de conformidad con nuestras estrictas normas para brindar fiabilidad, facilidad de uso y seguridad para el operador. Con el debido cuidado, le brindará muchos años de sólido y eficiente funcionamiento.

⚠ ADVERTENCIA:

Para reducir el riesgo de lesiones, el usuario debe leer y comprender el manual del operador antes de usar este producto.

Le agradecemos la compra de un producto RIDGID®.

**GUARDE ESTE MANUAL PARA
FUTURAS CONSULTAS**

TABLE OF CONTENTS

TABLE DES MATIÈRES / ÍNDICE DE CONTENIDO

■ Introduction	2
Introduction / Introducción	
■ General Power Tool Safety Warnings	3-4
Règles de sécurité relatives aux outils électriques / Advertencias de seguridad para herramientas eléctricas	
■ Belt Sander Saw Safety Rules	4
Avertissements de sécurité relatifs du ponceuse à bande / Advertencias de seguridad lijadora de bandar	
■ Symbols	5
Symboles / Símbolos	
■ Electrical	6
Caractéristiques électriques / Aspectos eléctricos	
■ Features	7
Caractéristiques / Características	
■ Assembly	7
Assemblage / Armado	
■ Operation	8-10
Utilisation / Funcionamiento	
■ Adjustments	11
Réglages / Ajustes	
■ Maintenance	11-12
Entretien / Mantenimiento	
■ Warranty	13
Garantie / Garantía	
■ Figure numbers (illustrations)	14-15
Figure numéros (illustrations) / Figura numeras (ilustraciones)	
■ Parts Ordering and Service	Back Page
Commande de pièces et réparation / Pedidos de piezas y servicio	Page arrière / Pág. posterior

INTRODUCTION

INTRODUCCIÓN

This product has many features for making its use more pleasant and enjoyable. Safety, performance, and dependability have been given top priority in the design of this product making it easy to maintain and operate.

* * *

Ce produit offre de nombreuses fonctions destinées à rendre son utilisation plus plaisante et satisfaisante. Lors de la conception de ce produit, l'accent a été mis sur la sécurité, les performances et la fiabilité, afin d'en faire un outil facile à utiliser et à entretenir.

* * *

Este producto ofrece numerosas características para hacer más agradable y placentero su uso. En el diseño de este producto se ha conferido prioridad a la seguridad, el desempeño y la fiabilidad, por lo cual se facilita su manejo y mantenimiento.

GENERAL POWER TOOL SAFETY WARNINGS

WARNING

Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference. The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

WORK AREA SAFETY

- **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- **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.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

- **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.
- **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.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **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.
- **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.
- **If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply.** Use of a GFCI reduces the risk of electric shock.

PERSONAL SAFETY

- **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.
- **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

- **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- **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 may result in personal injury.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
- **Do not wear loose clothing or jewelry. Contain long hair.** Loose clothes, jewelry, or long hair can be drawn into air vents.
- **Do not use on a ladder or unstable support.** Stable footing on a solid surface enables better control of the power tool in unexpected situations.

POWER TOOL USE AND CARE

- **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.
- **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- **Store idle power tools out of the reach of children and 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 untrained users.
- **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.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

GENERAL POWER TOOL SAFETY WARNINGS

- Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

SERVICE

- 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.
- When servicing a power tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance instructions may create a risk of shock or injury.

BELT SANDER SAFETY WARNINGS

- Hold power tool by insulated gripping surfaces, because the belt may contact its own cord. Cutting a “live” wire may make exposed metal parts of the tool “live” and could give the operator an electric shock.
- Know your power tool. Read operator’s manual carefully. Learn its applications and limitations, as well as the specific potential hazards related to this power tool. Following this rule will reduce the risk of electric shock, fire, or serious injury.
- Always wear safety glasses. Everyday eyeglasses have only impact-resistant lenses; they are NOT safety glasses. Following this rule will reduce the risk of serious personal injury.
- Protect your lungs. Wear a face or dust mask if the operation is dusty. Following this rule will reduce the risk of serious personal injury.
- Protect your hearing. Wear hearing protection during extended periods of operation. Following this rule will reduce the risk of serious personal injury.
- Inspect power tool cords periodically and, if damaged, have repaired at your nearest Authorized Service Center. Constantly stay aware of cord location. Following this rule will reduce the risk of electric shock or fire.
- Check damaged parts. Before further use of the power 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 any 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. Following this rule will reduce the risk of shock, fire, or serious injury.

- Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. A wire gauge size (A.W.G.) of at least 14 is recommended for an extension cord 50 feet or less in length. A cord exceeding 100 feet is not recommended. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating.
- Inspect for and remove all nails from lumber before using this power tool. Following this rule will reduce the risk of serious personal injury.
- If the power supply cord is damaged, it must be replaced only by the manufacturer or by an authorized service center to avoid risk.
- Save these instructions. Refer to them frequently and use them to instruct others who may use this power tool. If you loan someone this power tool, loan them these instructions also.

CALIFORNIA PROPOSITION 65

WARNING:

This product and some dust created by power sanding, sawing, grinding, drilling, and other construction activities may contain chemicals, including lead, known to the State of California to cause cancer, birth defects, or other reproductive harm. **Wash hands after handling.**

Some examples of these chemicals are:

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

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

SYMBOLS

The following signal words and meanings are intended to explain the levels of risk associated with this product.

SYMBOL	SIGNAL	MEANING
	DANGER:	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
	WARNING:	Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
	CAUTION:	Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.
	NOTICE:	(Without Safety Alert Symbol) Indicates important information not related to an injury hazard, such as a situation that may result in property damage.

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product better and safer.

SYMBOL	NAME	DESIGNATION/EXPLANATION
	Safety Alert	Indicates a potential personal injury hazard.
	Read Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product.
	Eye Protection	Always wear eye protection with side shields marked to comply with ANSI Z87.1.
	Wet Conditions Alert	Do not expose to rain or use in damp locations.
V	Volts	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watt	Power
min	Minutes	Time
~	Alternating Current	Type of current
n_0	No Load Speed	Rotational speed, at no load
	Class II Tool	Double-insulated construction
.../min	Per Minute	Revolutions, strokes, surface speed, orbits etc., per minute

ELECTRICAL

DOUBLE INSULATION

Double insulation is a concept in safety in electric power tools, which eliminates the need for the usual three-wire grounded power cord. All exposed metal parts are isolated from the internal metal motor components with protecting insulation. Double insulated tools do not need to be grounded.

WARNING:

The double insulated system is intended to protect the user from shock resulting from a break in the tool's internal wiring. Observe all normal safety precautions to avoid electrical shock.

NOTE: Servicing of a tool with double insulation requires extreme care and knowledge of the system and should be performed only by a qualified service technician. For service, we suggest you return the tool to your nearest authorized service center for repair. Always use original factory replacement parts when servicing.

ELECTRICAL CONNECTION

This product has a precision-built electric motor. It should be connected to a **power supply that is 120 volts, 60 Hz, AC only (normal household current)**. Do not operate this tool on direct current (DC). A substantial voltage drop will cause a loss of power and the motor will overheat. If your tool does not operate when plugged into an outlet, double-check the power supply.

EXTENSION CORDS

When using a power tool at a considerable distance from a power source, be sure to use an extension cord that has the capacity to handle the current the tool will draw. An undersized cord will cause a drop in line voltage, resulting in overheating and loss of power. Use the chart to determine the minimum wire size required in an extension cord. Only round jacketed cords listed by Underwriter's Laboratories (UL) should be used.

When working outdoors with a tool, use an extension cord that is designed for outside use. This type of cord is designated with "WA" or "W" on the cord's jacket.

Before using any extension cord, inspect it for loose or exposed wires and cut or worn insulation.

**Ampere rating (on tool data plate)

Cord Length	Wire Size (A.W.G.)					
	0-2.0	2.1-3.4	3.5-5.0	5.1-7.0	7.1-12.0	12.1-16.0
25'	16	16	16	16	14	14
50'	16	16	16	14	14	12
100'	16	16	14	12	10	—

**Used on 12 gauge - 20 amp circuit.

NOTE: AWG = American Wire Gauge

WARNING:

Keep the extension cord clear of the working area. Position the cord so that it will not get caught on lumber, tools or other obstructions while you are working with a power tool. Failure to do so can result in serious personal injury.

WARNING:

Check extension cords before each use. If damaged replace immediately. Never use tool with a damaged cord since touching the damaged area could cause electrical shock resulting in serious injury.

FEATURES

PRODUCT SPECIFICATIONS

Belt Size3 in. x 18 in.
Sanding Surface..... 17.5 sq. in.
No Load Speed 400 - 950 ft./min.

Input120 V, 60 Hz, AC only, 6.5 Amps
Net Weight..... 5.8 lbs.

KNOW YOUR BELT SANDER

See Figure 1, page 14.

The safe use of this product requires an understanding of the information on the tool and in this operator's manual as well as a knowledge of the project you are attempting. Before use of this product, familiarize yourself with all operating features and safety rules.

BELT TENSION RELEASE LEVER

The tension release lever aids in quick and easy belt changes.

DUST BAG

The dust bag attaches to the sander and keeps dust to a minimum.

ERGONOMIC DESIGN

The design provides for easy handling. It is designed for comfort and ease of operation in different positions and at different angles.

LOCK-ON BUTTON

The lock-on feature allows you to lock the switch trigger in the **ON** position. Locking the switch trigger on allows you to operate the sander for extended periods of time.

SWITCH TRIGGER

To turn the sander **ON**, depress the switch trigger. Release switch trigger to turn your sander **OFF**.

TRACKING SCREW

The tracking screw allows you to easily adjust the belt tracking.

VARIABLE SPEED CONTROL DIAL

The variable speed control feature allows the sander to develop a no load speed that can be adjusted from 400 to 950 feet/min. by rotating the dial from **A (slowest)** to **F (fastest)**.

ASSEMBLY

UNPACKING

This product has been shipped completely assembled.

- Carefully remove the product and any accessories from the box. Make sure that all items listed in the packing list are included.

WARNING:

Do not use this product if it is not completely assembled or if any parts appear to be missing or damaged. Use of a product that is not properly and completely assembled could result in serious personal injury.

- Inspect the product carefully to make sure no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the product.
- If any parts are damaged or missing, please call 1-866-539-1710 for assistance.

PACKING LIST

Variable Speed Belt Sander
Dust Collection Bag
Sanding Belt
Operator's Manual

WARNING:

If any parts are damaged or missing do not operate this product until the parts are replaced. Use of this product with damaged or missing parts could result in serious personal injury.

WARNING:

Do not attempt to modify this product or create accessories not recommended for use with this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

WARNING:

Do not connect to power supply until assembly is complete. Failure to comply could result in accidental starting and possible serious personal injury.

OPERATION

⚠ WARNING:

Do not allow familiarity with products to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.

⚠ WARNING:

Always wear eye protection marked to comply with ANSI Z87.1. Failure to do so could result in objects being thrown into your eyes resulting in possible serious injury.

⚠ WARNING:

Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

⚠ WARNING:

Before connecting the sander to a power supply, make sure it is not in the locked-on position. Failure to do so could result in accidental starting of the tool resulting in serious injury.

APPLICATIONS

You may use this product for the purposes listed below:

- Sanding wood, metals, and plastics
- Smoothing rough boards, chamfering, rounding edges
- Removing rust, paint, varnishes, and stains

⚠ WARNING:

If your sanding job becomes dusty or if you have a breathing condition, wear a dust mask or respirator to prevent damage to your health.

SELECTING SANDING BELTS

Selecting the correct size and type of sanding belt is an important step in achieving a high quality sanded finish. Aluminum oxide, silicon carbide, and other synthetic abrasives are best for power sanding.

In general, when sanding, coarse grit removes the most material and fine grit produces the best finish. The condition of the surface to be sanded determines which grit will do the best job. If the surface is rough, start with a coarse grit and sand until the surface is uniform. Then use medium grit to remove scratches left by the coarser grit. Finally, use finer grit for finishing the surface. Always continue sanding with each grit until the surface is uniform.

SETTING THE BELT SANDER SPEED

Refer to the chart below for belt sander speed selections.

MATERIAL	SPEED						BELT GRIT					
	A	B	C	D	E	F	40	60	80	100	150	240
UNDRESSED LUMBER					★	★	●	●				
SOFTWOOD		★								●	●	
CHIPBOARD				★	★			●	●			
LUMBER	★	★										●
RUST REMOVAL			★	★			●	●				
PAINTED SURFACE					★	★	●	●				
NON-FERROUS METAL			★						●	●		

OPERATION

VARIABLE SPEED CONTROL DIAL

See Figure 2, page 14.

The sander has a variable speed control dial, **A (slowest)** to **F (fastest)**, designed to allow operator control of belt speed. To increase belt speed, turn the variable speed control dial to a higher setting. Turn to a lower setting to decrease belt speed. Refer to the chart on page 9 for proper speed selections.

PROPER HAND PLACEMENT

See Figure 3, page 14.

The front and rear handles allow two-handed operation which aids in maintaining control, keeping sander level with workpiece, and keeping hands clear of sanding belt. When carrying or operating the sander always hold the front handle with the left hand and the rear handle with the right hand as shown.

WARNING:

Keep hands and fingers clear of moving sanding belt, front pulley, and drive roller assembly. Failure to do so will result in the sanding of the hands or fingers possibly causing serious injury.

WARNING:

Do not let your fingers rest over the front or right edge of the sander. If the sanding belt were to run off, or if it were not properly adjusted, your fingers could come in contact with the moving sanding belt resulting in possible serious injury.

TURNING ON/OFF THE SANDER

See Figure 4, page 14.

- To turn on the sander: Depress the switch trigger.
- To turn off the sander: Release the switch trigger.

SOFT START FEATURE

Soft start is a feature whereby the motor gradually ramps up to the selected top speed. For example, when a speed is selected with the speed limiting dial and the sander is stopped and then activated again, the sander will gradually ramp up to the previous speed setting once the switch trigger is pressed again.

TO INSTALL/CHANGE SANDING BELT

See Figures 5 - 6, page 14.

- Unplug the sander.
- Position sander as shown.

WARNING:

Keep hands and fingers clear of front roller and spring mechanism at all times. Failure to do so could result in fingers getting pinched, causing possible serious injury.

Belt tension must be released in order to install and remove sanding belt:

- Release belt tension by lifting tension release lever.
- Install sanding belt; make sure arrow inside of belt is pointing in the direction of rotation, which is clockwise when looking into open side of sander.

NOTE: Match the arrow on the sanding belt to that of the housing.

CAUTION:

If the sanding belt is not a bidirectional belt, ensure that the arrow inside the belt is pointing in the direction of the rotation (clockwise when looking into the open side of the sander). Installing unidirectional sanding belts backwards can create a hazardous condition.

- Align the sanding belt to its correct position.
- Lower tension release lever to secure the sanding belt.

NOTE: This sander is equipped with automatic tracking, which in most instances will cause the sanding belt to remain centered. If the sanding belt does not stay in the center area, manual adjustment of the belt tracking may be necessary. To manually adjust, see **Manually Adjusting Sanding Belt Tracking** in the *Adjustments* section of this manual.

LOCKING ON THE SANDER

See Figure 7, page 15.

The lock-on feature allows you to lock the switch trigger in the **ON** position. Locking the switch trigger on allows you to operate the sander for extended periods of time.

If you have the lock-on feature engaged during use and the sander is accidentally disconnected from the power supply, disengage the lock-on feature immediately. Also, do not lock the switch trigger if you might need to suddenly stop the sander.

To lock-on the sander:

- Depress the switch trigger.
- Push in the lock-on button.
- Release the switch trigger.
- Release the lock-on button.

NOTE: To release the lock, depress and release the switch trigger.

OPERATION

OPERATING THE SANDER

See Figure 8, page 15.

Clamp or otherwise secure the work to prevent it from moving under the sander.

WARNING:

Unsecured work could be thrown back toward operator causing injury.

Before placing sander on work surface, squeeze the switch trigger and let the motor reach its maximum speed, then lower the sander to the work surface with a slight forward motion. Using the rear handle to control the sander and the front handle only to guide it, move it slowly over the work. Allowing the sander to remain in one place will result in an uneven surface.

WARNING:

Keep a firm grip on sander with both hands at all times. Failure to do so could result in loss of control leading to possible serious injury.

The sander was designed to provide the proper weight on the sanding belt.

Excessive pressure will result in the following:

- Uneven work.
- Clogged sanding belts.
- Premature sanding belt wear. Removal rate will **not** increase.
- Motor damage.
- Irregular sanding belt tracking.

NOTE: If the sanding belt moves while sanding, you may be applying too much pressure. When this occurs, remove sander from workpiece. If belt tracking is properly adjusted, sanding belt will return to its normal and correct position on the drive roller and front roller.

Use a coarser belt when heavy sanding is desired, not heavy pressure. The importance of this cannot be over-emphasized. Weight has been built into the tool to give the most efficient pressure at the proper location.

NOTE: The front roller of the sander was not designed for contour sanding. Sanding on the front roller could cause irregularity in sanding belt tracking and will damage the front roller.

CAUTION:

Sanding on the front roller may cause the tool to kickback toward the operator, creating a risk of possible injury.

WARNING:

The sander is designed to be operated as shown in Figure 8, page 15 with both hands on the tool at all times for maximum control. Never operate the tool overhead or inverted from the proper operating position; serious personal injury may result.

WARNING:

Do not use the dust collection bag when sanding metal. Using the dust collection bag when sanding metal creates a fire hazard, which could damage the tool and lead to serious personal injury.

DUST BAG

See Figure 9, page 15.

The dust bag provides a dust collection system for the sander. It should be installed over the exhaust hole located on the side of the sander. For more efficient operation, empty dust bag when half full.

Do not connect sander to power supply before installing dust bag.

To install/remove dust bag:

- Unplug the sander.
- Place the opening of dust bag over dust exhaust of the sander.

EMPTYING THE DUST BAG

See Figure 10, page 15.

For more efficient operation, empty dust bag when no more than half full. This will permit the air to flow through the bag better. Always empty and clean the dust bag thoroughly upon completion of a sanding operation and before placing the sander in storage.

WARNING:

Collected sanding dust from sanding surface coatings such as polyurethanes, linseed oil, etc., can self-ignite in the sander dust bag or elsewhere and cause fire. To reduce the risk of fire, always empty the dust bag frequently while sanding. **Never** store or leave a sander without totally emptying its dust bag. Also follow the recommendations of the coatings manufacturers.

To empty the dust bag:

- Unplug the sander.
- Remove dust bag from sander.
- Open zipper.
- Shake out dust.
- Replace dust bag on sander.

ADJUSTMENTS

MANUALLY ADJUSTING SANDING BELT TRACKING

See Figure 11, page 15.

This sander features an automatic tracking system designed to keep the sanding belt centered. If edge sanding is desired, manual adjustment of the belt will be necessary.

To manually adjust belt position:

- Connect the sander to power supply.
- Set the variable speed control dial to the lowest setting (A).
- With sander positioned as shown, pull switch trigger.

NOTE: This position is for adjustments only. Sanding belt should not be in contact with workpiece or any foreign objects when making belt tracking adjustments.

- Slowly turn the tracking screw clockwise until the sanding belt is positioned at the edge of the platen. Do not allow the sanding belt to extend past the edge of the platen.

WARNING:

Keep hands and fingers away from moving sanding belt. Any part of body coming in contact with moving sanding belt could result in serious injury. Do not wear loose clothing or jewelry when operating sander. They could get caught in moving parts and foreign objects could get thrown from sander causing injury.

-
- When edge sanding is completed, return the belt to the default centered position by turn the tracking screw counterclockwise until the belt is positioned correctly.

MAINTENANCE

WARNING:

When servicing use only identical replacement parts. Use of any other parts may create a hazard or cause product damage.

WARNING:

Always wear eye protection marked to comply with ANSI Z87.1. Failure to do so could result in objects being thrown into your eyes resulting in possible serious injury.

GENERAL MAINTENANCE

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.

WARNING:

Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

Electric tools used on fiberglass material, wallboard, spackling compounds, or plaster are subject to accelerated wear and possible premature failure because the fiberglass chips and grindings are highly abrasive to bearings, brushes, commutators, etc. Consequently, we do not recommended using this tool for extended work on these types of materials. However, if you do work with any of these materials, it is extremely important to clean the tool using compressed air.

LUBRICATION

All of the bearings in this tool are lubricated with a sufficient amount of high grade lubricant for the life of the unit under normal operating conditions. Therefore, no further lubrication is required.

BRUSH REPLACEMENT

See Figure 12, page 15.

NOTE: This belt sander is equipped with externally accessible brushes.

- Unplug the sander.

WARNING:

Failure to unplug the tool could result in accidental starting causing possible serious injury.

-
- Remove brush caps (2) using a screwdriver.
 - Remove brush assemblies (2).

MAINTENANCE

- Check for wear. Replace both brush assemblies when either has less than 1/4 in. length of carbon remaining.

NOTE: Do not replace one side without replacing the other.

- Reassemble using new brush assemblies. Make sure curvature of brush matches curvature of motor and that brush moves freely in brush tube.
- Reassemble by reversing the steps listed above.
- Tighten all brush caps securely. **Do not** over tighten.

TIMING BELT REPLACEMENT

See Figure 13, page 15.

- Unplug the sander.
- Remove dust bag.
- Remove sanding belt from sander. Follow instructions on page 9 to remove sanding belt.

NOTE: Removing sanding belt will simplify the process of installing a new timing belt.

- Remove belt cover screw and belt cover.

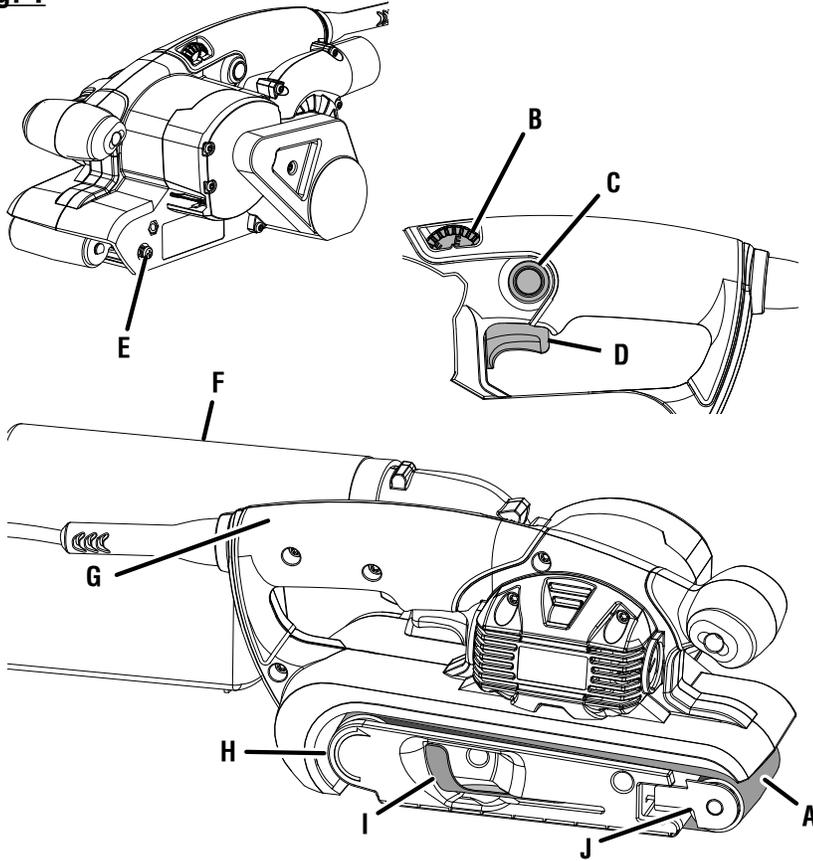
- Force old timing belt from one of the small pulleys with a screwdriver and remove it while turning the large pulley. If it is worn out, simply cut the old timing belt and remove.
- Install new timing belt over large pulley and one of the small pulleys first.
- Press the belt onto the other small pulley, turning the large pulley as you press the belt on.
- Reinstall belt cover and screw.
- Tighten screw securely.
- Reinstall the sanding belt.



WARNING:

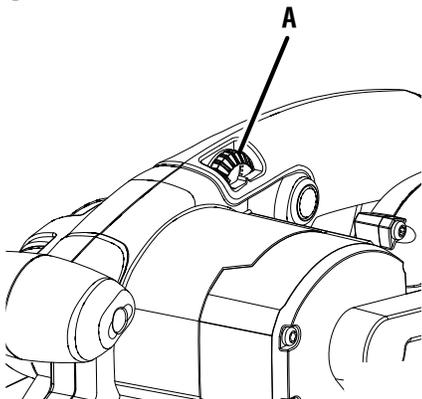
Never attempt to operate the belt sander without the belt cover in place.

Fig. 1



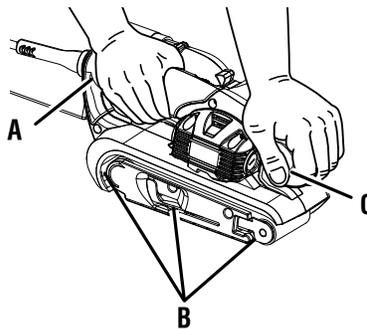
- A - Sanding belt (bande abrasive, banda de lija)
- B - Variable speed control dial (commande de vitesse variable, selector de velocidad)
- C - Lock-on button (bouton de verrouillage, botón del seguro de encendido)
- D - Switch trigger (gâchette, gatillo del interruptor)
- E - Tracking screw (vis de centrage, tornillo de alineación)
- F - Dust bag (sac à poussière, sacco captapolvero)
- G - Rear handle (poignée arrière, mango trasero)
- H - Drive roller (rouleau d'entraînement, rodillo de impulsión)
- I - Belt tension release lever (levier de soulagement de tension de la bande, palanca de afloje de tensión de la banda)
- J - Front roller (rouleau avant, rodillo frontal)

Fig. 2



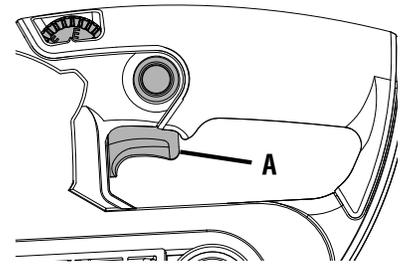
- A - Variable speed control dial [A to F] (commande de vitesse variable [réglages A à F], selector de control de velocidad variable [de la 'A' a la 'F'])

Fig. 3



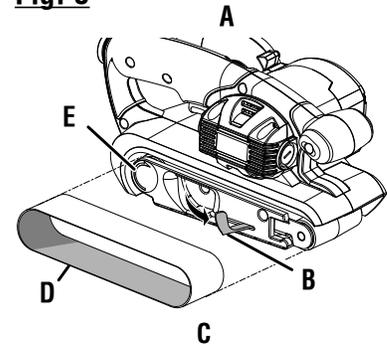
- A - Rear handle (poignée arrière, mango trasero)
- B - Keep hands and fingers away from these areas at all times (toujours garder les mains à l'écart de ces points, mantenga alejados de estas áreas los dedos y las manos en todo momento)
- C - Front handle (poignée avant, mango delantero)

Fig. 4



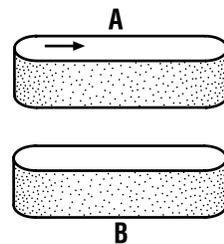
- A - Switch trigger (gâchette, gatillo del interruptor)

Fig. 5



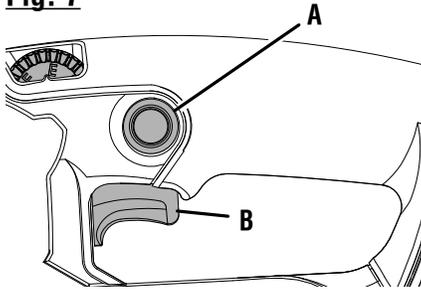
- A - Lift belt tension release lever to remove sanding belt (relevier le levier de tension pour retirer la bande, levante la palanca de liberación de tensión de la banda para retirar la banda de lija)
- B - Belt tension release lever (levier de soulagement de tension de la bande, palanca de afloje de tensión de la banda)
- C - Lower belt tension release lever to secure sanding belt (abaisser le levier de tension pour tendre la bande, baje la palanca de liberación de tensión de la banda para fijar la banda de lija)
- D - Sanding belt (bande abrasive, banda de lija)
- E - Arrow (flèche, flecha)

Fig. 6



- A - Sanding belts with direction of rotation arrows must be installed correctly (les bandes abrasives unidirectionnelles doivent être installées dans le sens correct, las bandas de lija con flechas de dirección de giro deben instalarse correctamente)
- B - Sanding belts without direction of rotation arrows can be used in either direction (les bandes abrasives bidirectionnelles peuvent être installées dans un sens ou dans l'autre, las bandas de lija sin dirección de giro se pueden utilizar en cualquier dirección)

Fig. 7



- A - Lock-on button (bouton de verrouillage, botón del seguro de encendido)
- B - Switch trigger (gâchette, gatillo del interruptor)

Fig. 8

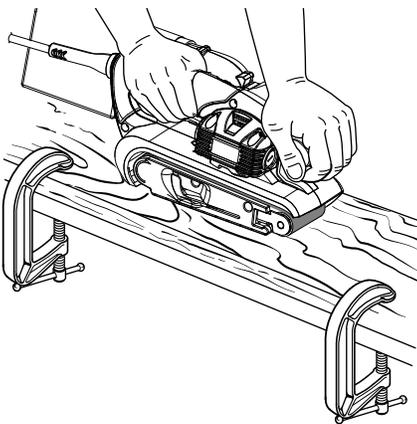
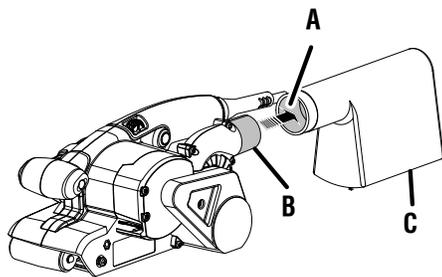
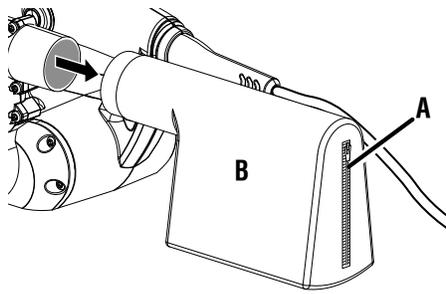


Fig. 9



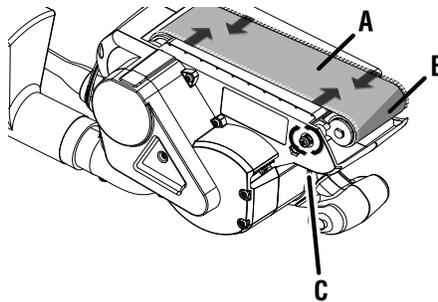
- A - Dust bag opening (ouverture du sac à poussière, abertura del saco captapolvo)
- B - Dust exhaust (sortie de poussière, escape de polva)
- C - Dust bag (sac à poussière, saco captapolvo)

Fig. 10



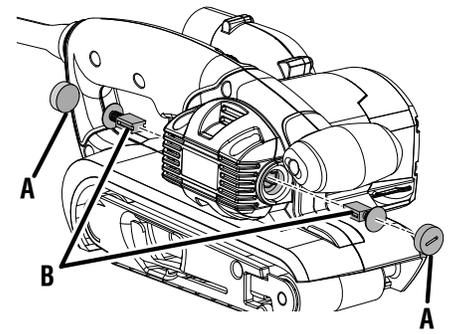
- A - Zipper (fermeture à glissière, cremallera)
- B - Dust bag (sac à poussière, saco captapolvo)

Fig. 11



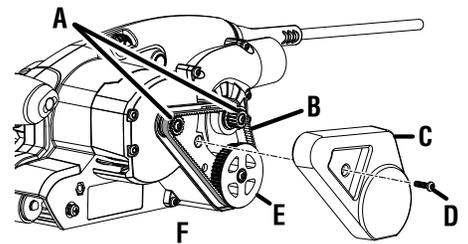
- A - Platen (platine, platina)
- B - Sanding belt (bande abrasive, banda de lija)
- C - Turn tracking screw to adjust sanding belt (tourner la vis de guidage pour ajuster la bande, para ajustar la banda de lija, gire la perilla de alineación)

Fig. 12



- A - Brush cap (couverture de balai, tapa de la escobilla)
- B - Brush assembly (balais, conjunto de la escobilla)

Fig. 13



- A - Small pulley (petite poulie, polea pequeña)
- B - Timing belt (courroie crantée, banda de temporización)
- C - Belt cover (carter de courroie, cubierta de la correa)
- D - Screw (vis, tornillo)
- E - Large pulley (grande poulie, polea grande)
- F - Sander shown with dust bag and sanding belt removed (ponceuse avec le sac à poussière et la courroie crantée retirés, la lijadora se muestra sin el saco captapolvo ni la banda de lija)