KING INDUSTRIAL

26" X 12" DRUM SANDER

MODEL: KC-26DS

INSTRUCTION MANUAL

IMPORTANT INFORMATION

2-YEAR LIMITED WARRANTY FOR THIS 26″ DRUM SANDER	KING CANADA TOOLS OFFERS A 2-YEAR LIMITED WARANTY FOR INDUSTRIAL USE.

PROOF OF PURCHASE

Please keep your dated proof of purchase for warranty and servicing purposes.

REPLACEMENT PARTS

Replacement parts for this tool are available at our authorized KING CANADA service centers across Canada. For servicing, contact or return to the retailer where you purchased your product along with your proof of purchase.

LIMITED TOOL WARRANTY

KING CANADA makes every effort to ensure that this product meets high quality and durability standards. KING CANADA warrants to the original retail consumer a 2-year limited warranty as of the date the product was purchased at retail and that each product is free from defects in materials. Warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence or accidents, repairs or alterations and lack of maintenance. KING CANADA shall in no event be liable for death, injuries to persons or property or for incidental, special or consequential damages arising from the use of our products. To take advantage of this warranty, the product or part must be returned for examination by the retailer. Shipping and handling charges may apply. If a defect is found, KING CANADA will either repair or replace the product.

GENERAL SAFETY INSTRUCTIONS FOR POWER TOOLS

1. KNOW YOUR TOOL

Read and understand the owners manual and labels affixed to the tool. Learn its application and limitations as well as its specific potential hazards.

2. GROUND THE TOOL.

This tool is equipped with an approved 3-conductor cord and a 3-prong grounding type plug to fit the proper grounding type receptacle. The green conductor in the cord is the grounding wire. **NEVER** connect the green wire to a live terminal.

3. KEEP GUARDS IN PLACE.

Keep in good working order, properly adjusted and aligned.

4. REMOVE ADJUSTING KEYS AND WRENCHES.

Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.

5. KEEP WORK AREA CLEAN.

Cluttered areas and benches invite accidents. Make sure the floor is clean and not slippery due to wax and sawdust build-up.

6. AVOID DANGEROUS ENVIRONMENT.

Don't use power tools in damp or wet locations or expose them to rain. Keep work area well lit and provide adequate surrounding work space.

7. KEEP CHILDREN AWAY.

All visitors should be kept a safe distance from work area.

8. MAKE WORKSHOP CHILD-PROOF.

Use padlocks, master switches or remove starter keys.

9. USE PROPER SPEED.

A tool will do a better and safer job when operated at the proper speed.

10. USE RIGHT TOOL.

Don't force the tool or the attachment to do a job for which it was not designed.

11. WEAR PROPER APPAREL.

Do not wear loose clothing, gloves, neckties or jewelry (rings, watch) because they could get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair. Roll up long sleeves above the elbows.

12. ALWAYS WEAR SAFETY GLASSES.

Always wear safety glasses (ANSI Z87.1). Everyday eyeglasses only have impact resistant lenses, they are **NOT** safety glasses. Also use a face or dust mask if cutting operation is dusty.

13. DON'T OVERREACH.

Keep proper footing and balance at all times.

14. MAINTAIN TOOL WITH CARE.

Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.

15. DISCONNECT TOOLS.

Before servicing, when changing accessories or attachments.

16. AVOID ACCIDENTAL STARTING.

Make sure the switch is in the ''OFF'' position before plugging in.

17. USE RECOMMENDED ACCESSORIES.

Consult the manual for recommended accessories. Follow the instructions that accompany the accessories. The use of improper accessories may cause hazards.

18. NEVER STAND ON TOOL.

Serious injury could occur if the tool tips over. Do not store materials such that it is necessary to stand on the tool to reach them.

19. CHECK DAMAGED PARTS.

Before further use of the tool, a guard or other parts that are damaged should be carefully checked to ensure that they will operate properly and perform their intended function. Check for alignment of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other parts that are damaged should be properly repaired or replaced.

20. NEVER LEAVE MACHINE RUNNING UNATTENDED.

Turn power ''OFF''. Don't leave any tool running until it comes to a complete stop.

UNPACKING & GETTING TO KNOW YOUR DRUM SANDER

UNPACKING AND CLEANUP

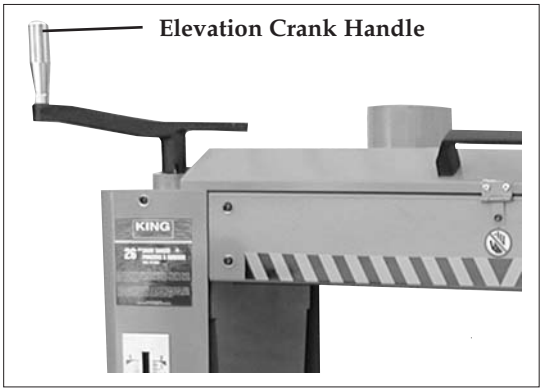
To ensure maximum performance from your KING CANADA horizontal drum sander KC-26DS , clean it properly; and install it accurately before use. As soon as you receive the sander, we recommend you follow these procedures:

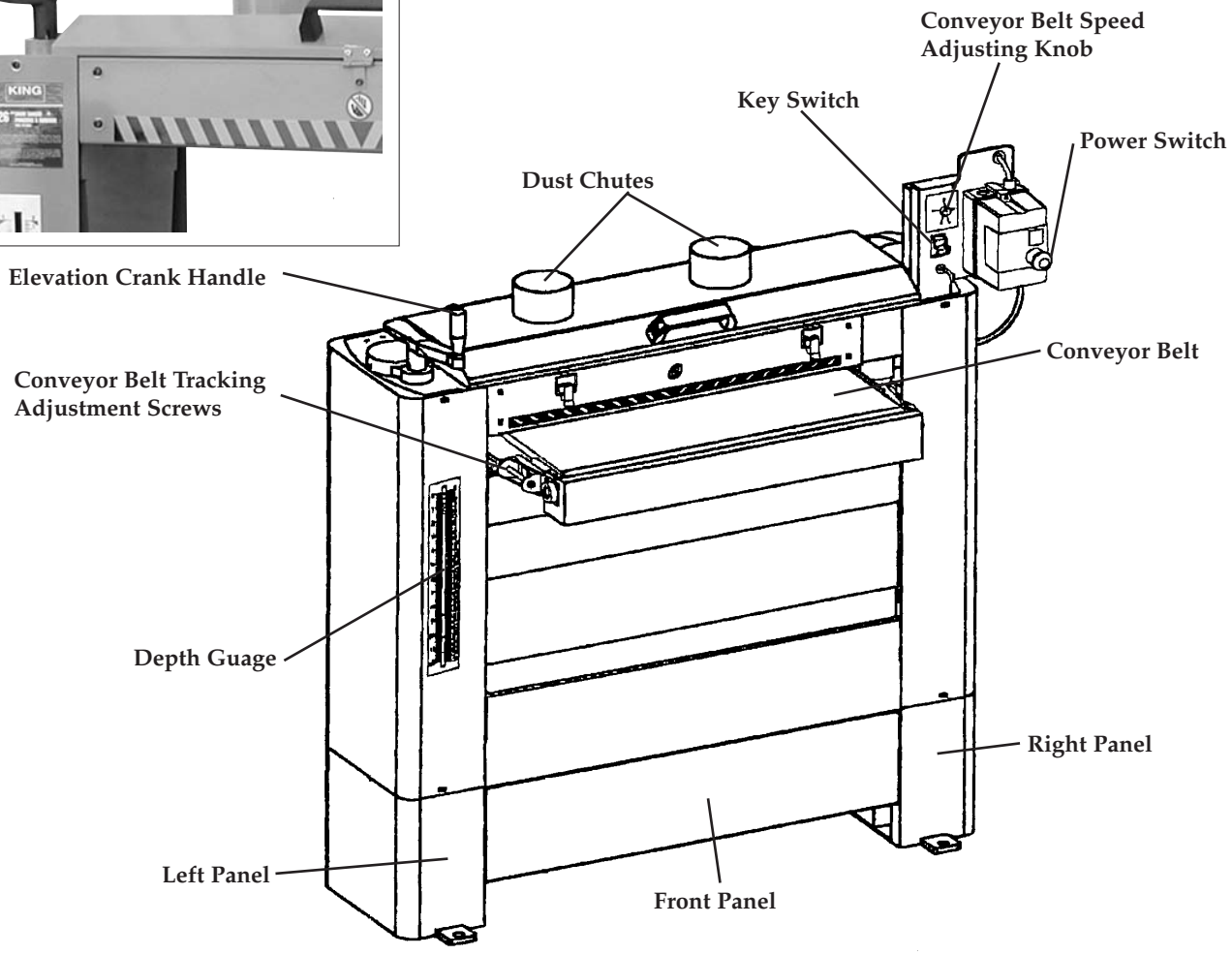
1. Finish removing the contents of the shipping carton.
2. Report damage, if any to your local distributor.
3. Clean all rust protected surfaces with a mild solvent or kerosene. Do not use lacquer thinner; paint thinner, or gasoline. These will damage painted surfaces.
4. To prevent rust, apply a light coating of paste wax to surface.

TRANSPORT

Transport the machine to the required work area with the use of a forklift or a lifting hook. The equipment used for the transportation must be of adequate capacity to move the sander.

Install the table elevation crank as illustrated. The slots on the shaft and crank handle must be aligned, fasten the crank handle to the shaft with the pin supplied.





ELECTRICAL CONNECTIONS

WARNING

ALL ELECTRICAL CONNECTIONS MUST BE DONE BY A QUALIFIED ELECTRICIAN. FAILURE TO COMPLY MAY RESULT IN SERIOUS INJURY! ALL ADJUSTMENTS OR REPAIRS MUST BE DONE WITH THE SANDER DISCONNECTED FROM THE POWER SOURCE. FAILURE TO COMPLY MAY RESULT IN SERIOUS INJURY!

POWER SUPPLY

WARNING: YOUR SANDER MUST BE CONNECTED TO A 220V, 15-AMP, BRANCH CIRCUIT AND USE A 15-AMP TIME DELAY FUSE OR CIRCUIT BREAKER. FAILURE TO CONNECT IN THIS WAY CAN RESULT IN INJURY FROM SHOCK OR FIRE.

Your Sander must be properly grounded. Not all outlets are properly grounded. If you are not sure if your outlet is properly grounded, have it checked by a qualified electrician.

WARNING: IF NOT PROPERLY GROUNDED, THIS SANDER CAN CAUSE ELECTRICAL SHOCK, PARTICULARLY WHEN USED IN DAMP LOCATIONS. TO AVOID SHOCK OR FIRE, IF THE POWER CORD IS WORN OR DAMAGED IN ANY WAY, HAVE IT REPLACED IMMEDIATELY.

GROUNDING

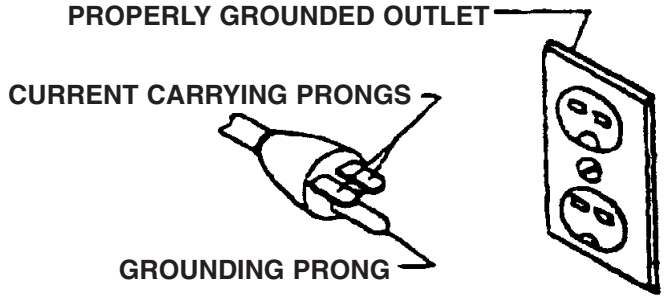
This Sander must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current, to reduce the risk of electric shock. This Sander is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

220V OPERATION

A Sander with a 220V plug should only be connected to an outlet having the same configuration as illustrated by the grounded outlet box. No adaptor is available or should be used for 220V operation. If the machine must be connected with additional electrical configurations, please contact a qualified electrician to set up and connect your system.

EXTENSION CORDS

The use of any extension cord will cause some loss of power. The use of an extension cord is not reccomended; if an extension cord is necessary, it must be of an adequate size and capacity to support the amperage and distance between the machine and the power source.

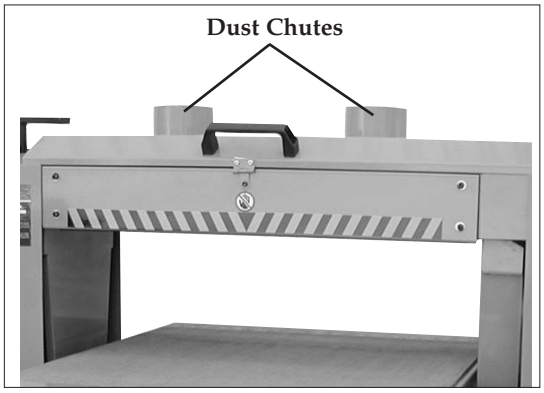


DUST COLLECTOR CONNECTION

DUST COLLECTOR CONNECTION

The 26" horizontal drum sander is equipped with two 4" dust chutes. Ring clamps must be used to connect the dust collection hoses to the chutes.

WARNING!
NEVER ATTEMPT TO OPERATE YOUR MACHINE WITHOUT A DUST CONNECTOR ATTACHED AND RUNNING!



MOUNTING

MOUNTING AND REPLACING SANDING BELTS

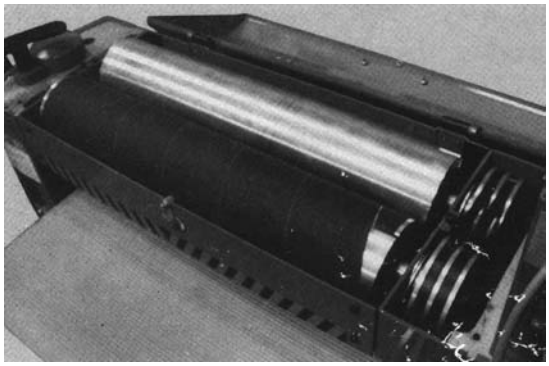
REMOVING THE SANDING BELTS

In order to access the sanding drums; lift and tilt the upper guard towards the rear. The sanding belts are fixed at either end of the drums by spring loaded clamps.

To Remove The Sanding Belts:

- Push the right clamp forward, the tab of the sanding belt must be pulled out of the right drum slot.
- Unwind the sanding belt from the drum, and push the clamp forward at the left side of the drum to remove the sanding belt tab from the left drum slot.

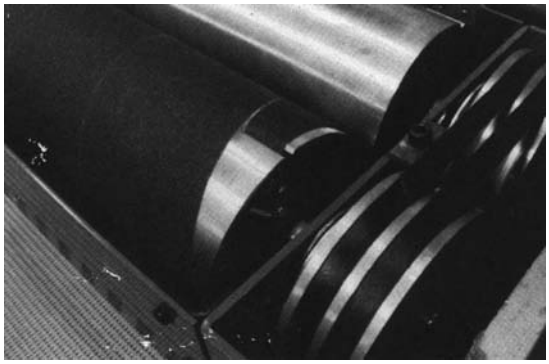
MOUNTING NEW SANDING BELTS



- Insert the tab of the belt on the left end of the drum.
- Push the left clamp forward to allow the tab to slide under the clamp.
- Release the clamp to lock the belt tab into place.
- Roll the sanding belt onto the drum, keeping the edges snug.
- Insert the tab (right end of the sanding belt) into the slot at the other end of the drum.
- Push the clamp forward so that the tab will slide in.
- The clamps are spring loaded, and will hold the belt tightly as the drum rotates.
- Replace and mount sanding belts on both sanding drums using the same methods.

The rear sanding drums should be fitted with a finer sanding paper than the front drum, allowing for coarse and fine sanding to be achieved with one pass.

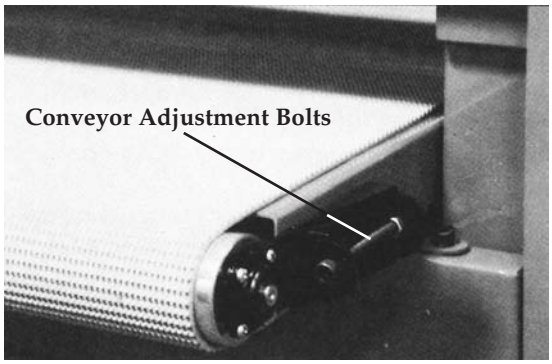
CAUTION!
VERIFY THAT THE MACHINE IS DISCONNECTED FROM THE POWER SOURCE BEFORE MOUNTING THE SANDING BELT!



ADJUSTMENTS & REPLACING CONVEYOR BELT

CONVEYOR BELT TENSION & TRACKING

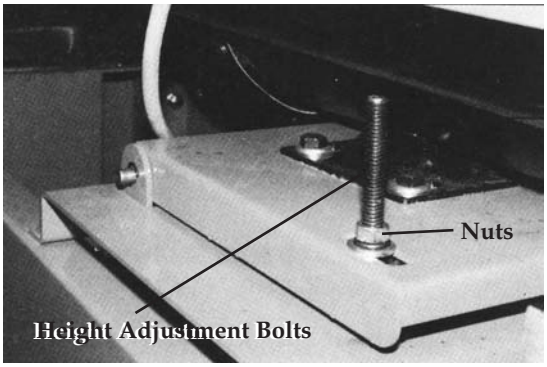
The conveyor belt may slide to the right or left during operations, or the tension of the conveyor belt is too loose or too tight. To adjust follow these procedures:
- Turn the adjustment bolts on either side of the conveyor table.
- The conveyor belt should run at the centre of the conveyor table, and should be tensioned so that there is good traction during stock feeding.



SANDING DRUM DRIVE BELTS

Both sanding drums are driven by two belts and powered by one motor. If the belt becomes too loose, follow these procedures:

- Remove the right end guard, and the front guard.
- Adjust the height position of the motor by turning the M12 nuts located on the height adjustment bolts. (See illustration).
- If the motor becomes damaged and needs to be replaced, remove the bolts on the bottom of the motor base plate, and remove the entire motor assembly.

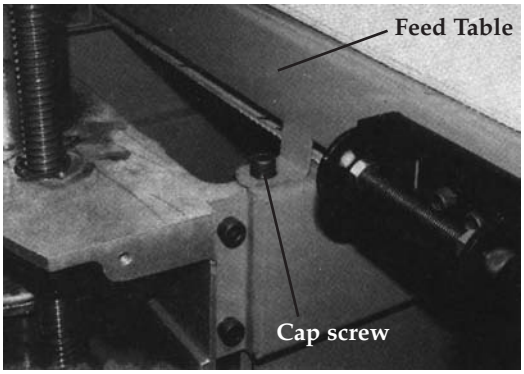


REPLACING THE CONVEYOR BELT

If the conveyor belt gets too worn out, the material being fed will not result in satisfactory results. The conveyor belt will need to be replaced for perfect results.

To replace follow these procedures:

- Remove the guards at both ends of the sander.
- The four cap screws at the bottom of the feed table assembly must be removed.
- You can now remove the feed table; this will allow you to replace the feed belt. (See illustration).

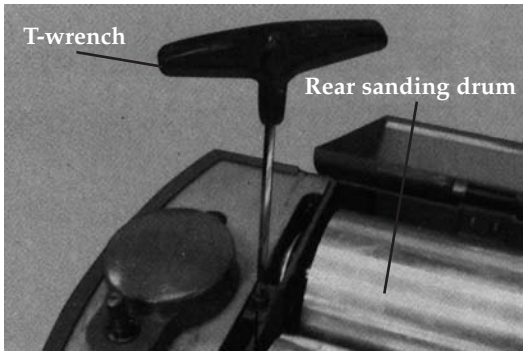


PARALLELISM ADJUSTMENT OF SANDING DRUM

The front sanding drum has been factory adjusted and needs no further adjustment. The rear sanding drum must be adjusted for parallelism.

To Adjust follow these procedures:

- Adjust using the cap screws on either end of the sanding drums, use a T-wrench.
- Adjust the position of the rear drum until it is parallel with the front drum.



SANDING OPERATIONS & MAINTENANCE

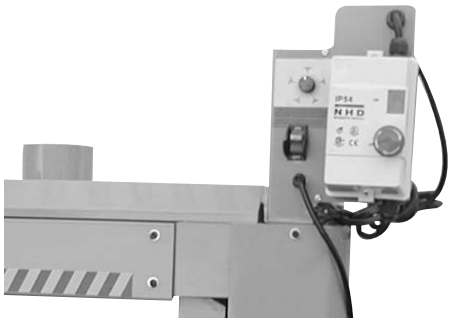
SANDING OPERATIONS

Always start the dust collector before turning on the sander.

Press the green "ON" button on the control box to start the machine. Key switch must be engaged to start running the conveyor belt. Position the conveyor speed adjustment knob to the required stock feed. Press the red "OFF" button on the control box to stop the machine.

To set the sanding height to the required thickness, use the crank handle. When the height thickness is unknown, set the workpiece to be sanded on the table, under the sanding drums. Raise the conveyor table until the sanding drums contact the workpiece, observe the depth gauge on the front of the machine, it will indicate the thickness of the present position. Place the workpiece at the center of the conveyor belt when feeding, to verify that its in proper position. Observe the centering gauge on the inside feed of the machine frame. It will indicate the center position of the conveyor belt.

The maximum workpiece thickness allowed for this machine is 12". The minimum workpiece thickness is 1/4". Never attempt to sand a workpiece greater or less than the mentioned dimensions.



LUBRICATION AND MAINTENANCE

NOTE: Disconnect machine from power source, before performing any maintenance or lubrication.

1. The table height adjustment screw shafts, located at either end of the machine must be well lubricated with grease at all times.
2. Verify that all nuts and screws are properly tightened before sanding. Verify that the sanding belts are mounted properly and have not become loose or torn.
3. Remove any dust or particles from machine; never allow dust to accumulate on or in the machine.

PARTS DIAGRAM & PARTS LISTS

Refer to the Parts section of the King Canada web site for the most updated parts diagram and parts list.