



KING KING CANADA

FLOOR MODEL SANDBLAST CABINET WITH LED LIGHT



MODEL: KSB-350-LED

INSTRUCTION MANUAL

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WARRANTY INFORMATION

2-YEAR LIMITED WARRANTY FOR THIS SANDBLAST CABINET	KING CANADA TOOLS OFFERS A 2-YEAR LIMITED WARRANTY FOR NON-COMMERCIAL USE.
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PROOF OF PURCHASE

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

REPLACEMENT PARTS

Replacement parts for this product are available at our authorized King Canada service centers across Canada. Please use the 10 digit part numbers listed in this manual for all part orders where applicable.

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, normal wear and tear, negligence or accidents, repairs done by an unauthorized service center, 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 limited warranty, return the product at your expense together with your dated proof of purchase to an authorized King Canada service center. Contact your retailer or visit our web site at www.kingcanada.com for an updated listing of our authorized service centers. In cooperation with our authorized service center, King Canada will either repair or replace the product if any part or parts covered under this warranty which examination proves to be defective in workmanship or material during the warranty period.

NOTE TO USER

This instruction manual is meant to serve as a guide only. Specifications and references are subject to change without prior notice.

KING CANADA INC. DORVAL, QUÉBEC, CANADA H9P 2Y4

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GENERAL SAFETY INSTRUCTIONS



GENERAL SAFETY RULES

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. KEEP WORK AREA CLEAN.

Cluttered areas and benches invite accidents. Make sure the floor is clean and not slippery.

3. AVOID DANGEROUS ENVIRONMENT.

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

4. KEEP CHILDREN AWAY.

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

5. USE RIGHT TOOL.

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

6. 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.

7. ALWAYS WEAR SAFETY GLASSES.

Always wear safety glasses (ANSI Z87.1). Everyday eye-glasses only have impact resistant lenses, that are **NOT** safety glasses.

8. DON'T OVERREACH.

Keep proper footing and balance at all times.

9. MAINTAIN TOOL WITH CARE.

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

10. USE RECOMMENDED ACCESSORIES.

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

11. NEVER STAND ON TOOL.

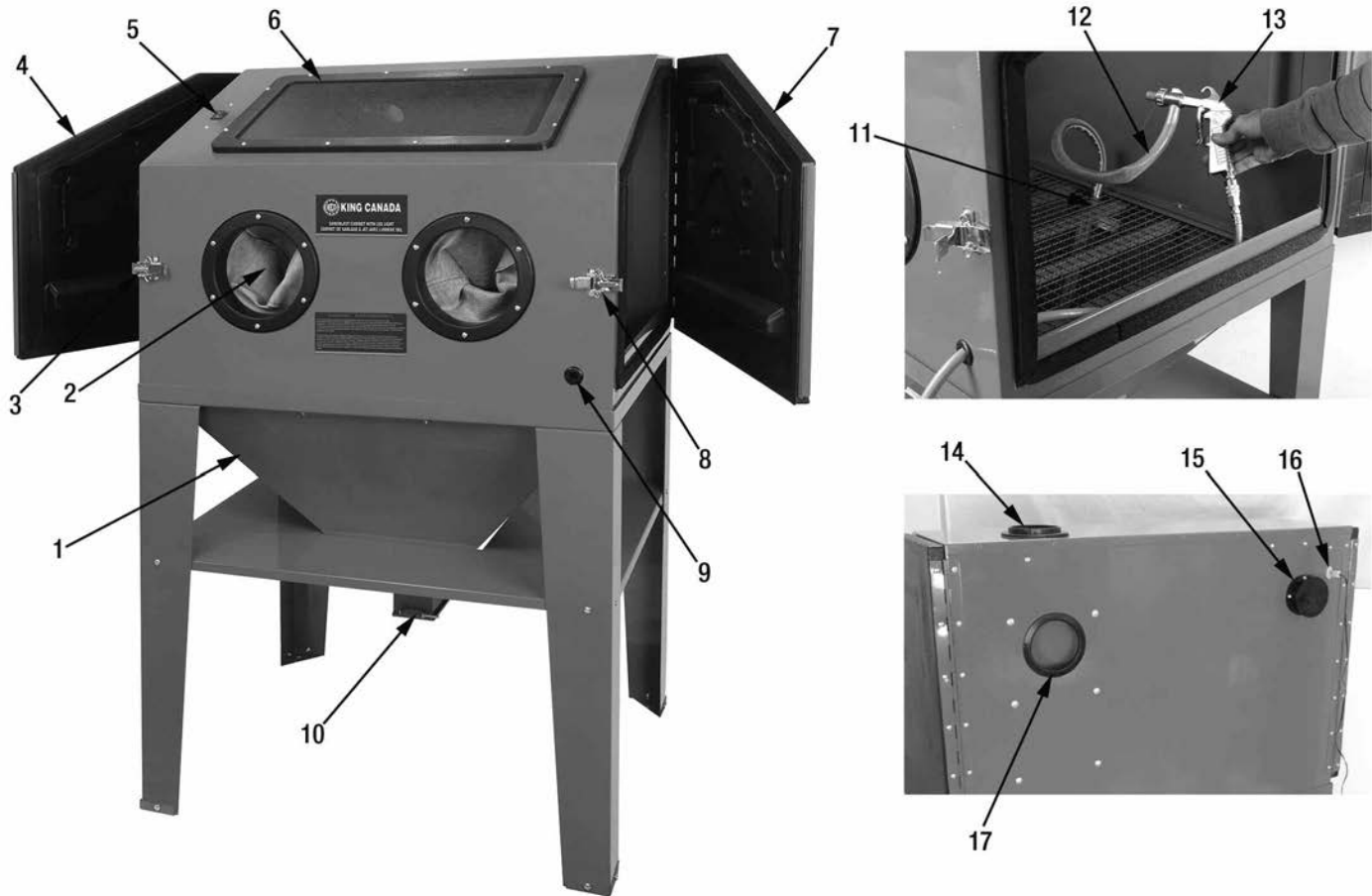
Serious injury could occur if the tool tips over. Do not store materials such that it is necessary to stand on the tool to reach them.

12. 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.



GETTING TO KNOW YOUR SANDBLAST CABINET



1. Funnel
2. Glove access opening (1 of 2).
3. Door latch (left).
4. Left door.
5. LED light switch.
6. Clear window with screen protector.
7. Right door.
8. Door latch (right).
9. Air hose hole.

10. Funnel door (to empty funnel).
11. Sandblast media collecting pipe.
12. Sandblast media hose.
13. Sandblast gun.
14. Vent cap.
15. 2-1/2" dust port with cap.
16. LED light power adaptor connector.
17. Vent.

MODEL	KSB-350-LED
LED light	110V
Maximum operating pressure	116 PSI
Required compressor output	15-25 CFM @ 40-80 PSI
Maximum amount of abrasive	35 lbs
Cabinet dimensions	37" x 26-3/4" x 17-1/2" to 25-1/2"
Assembled dimensions	37" x 26-3/4" x 59"
Weight	176 lbs

ASSEMBLY



UNPACKING

Remove all the components and the Sandblast Cabinet from the carton. Empty the contents inside the cabinet. Remove the white protective film on the clear window.

ASSEMBLY

- 1) Position the stand frame (A) Fig.1 with its mounting holes on top on a level surface. Install the 4 legs (B) to the stand frame using only two countersunk head screws and hex. nuts in each corner, exactly as shown in Fig.2. Only hand tighten hardware at this point.

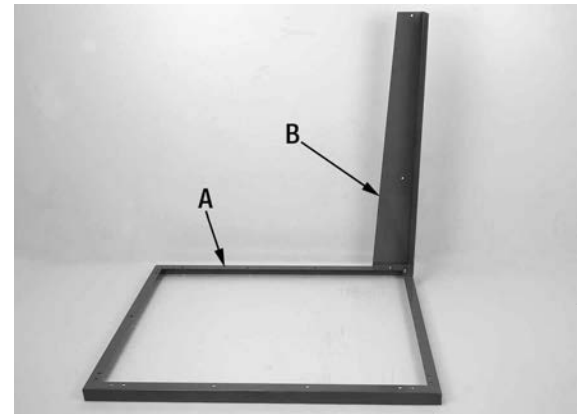


FIGURE 1

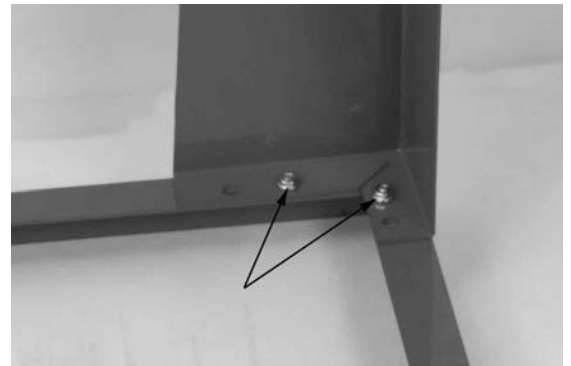


FIGURE 2

- 2) Install the 4 feet (A) Fig.3 to each leg (B) using two pan head screws and hex. nuts for each foot.

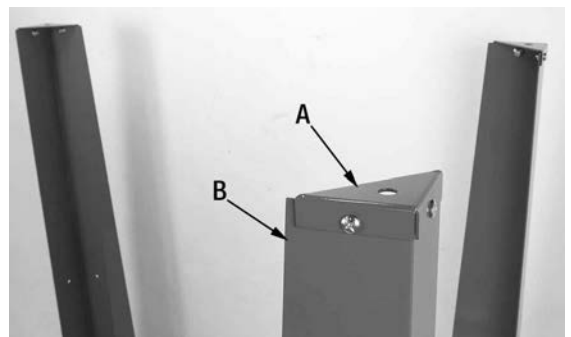


FIGURE 3

- 3) Install the shelf (A) Fig.4 in between the 4 legs using two pan head screws and hex. nuts for each leg. Only hand tighten hardware at this point. Pivot the stand assembly and place it on its feet as shown in Fig.4.



FIGURE 4



ASSEMBLY

ASSEMBLY

- 4) Inside the inner lip of the stand frame (A) Fig.5, install the adhesive foam stripes (B) all around as shown.

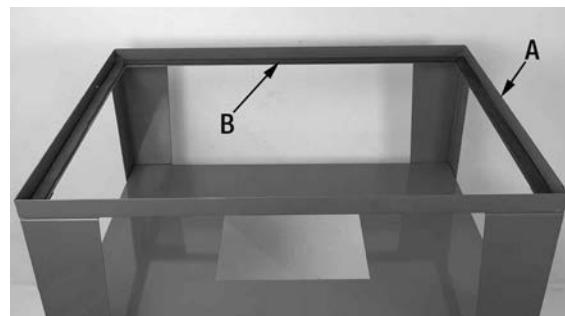


FIGURE 5

- 5) Position the funnel (A) Fig.6 inside the stand frame as shown.



FIGURE 6

- 6) Position the wire mesh bracket (A) Fig.7 on top of the funnel as shown.



FIGURE 7

- 7) Position the wire mesh (A) Fig.8 over the wire mesh bracket as shown.



FIGURE 8

ASSEMBLY



ASSEMBLY

- 8) Now the sandblast cabinet gets installed on top of the wire mesh bracket. It is recommended to do this step with the help of another person. Once positioned, the cabinet and all the components installed previously all need to be secured together from the inside of the cabinet using 14 pan head screws (A) Fig.9 and hex. nuts.

Note: Once the cabinet is secured to the stand frame, go back and securely tighten all pan head screws which secure the legs and the shelf.

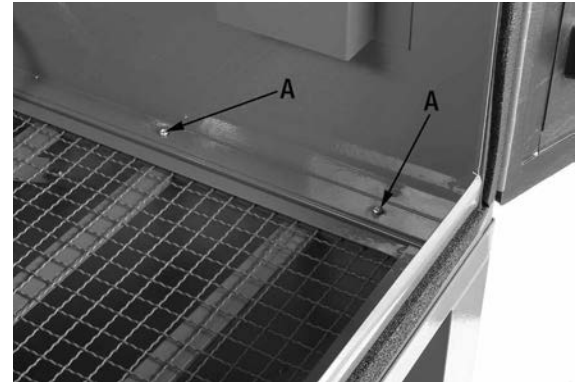


FIGURE 9

- 9) Slide the large media hose (A) Fig.10 onto the media collecting pipe (B). Connect the other end of the large media hose to the large opening (C) of the sandblast gun (D).

- 10) Connect an air hose (E) Fig.10 (not included) from your compressor (compressor capable of maintaining 15-25 CFM at 40-80 PSI) and insert the air hose into the small opening (F) at the front of the cabinet, as shown. Install a quick connect fitting (G) (not supplied) at the end of the air hose.

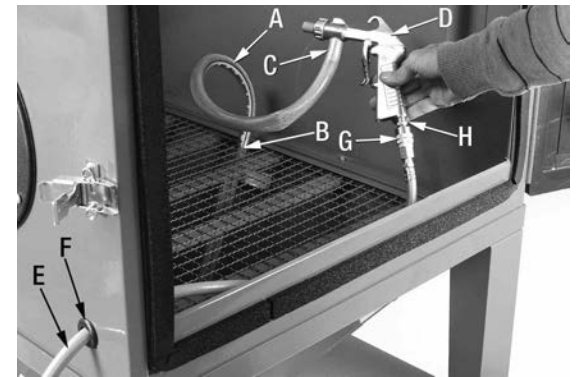


FIGURE 10

Note: Because of the variation in air supply systems, a standard 1/4" NPT air inlet is not provided. If you want to use a 1/4" NPT air inlet, simply unscrew the standard inlet (A) Fig.11 and replace it with a 1/4" NPT air inlet (B) (not supplied).

***DO NOT OPERATE THIS SANDBLAST CABINET AT OVER 116 PSI.**

- 11) Connect an 1/4" NPT air inlet (H) Fig.10 (not included) to the sandblast gun (D). Connect the 1/4" NPT air inlet to the quick connect fitting.

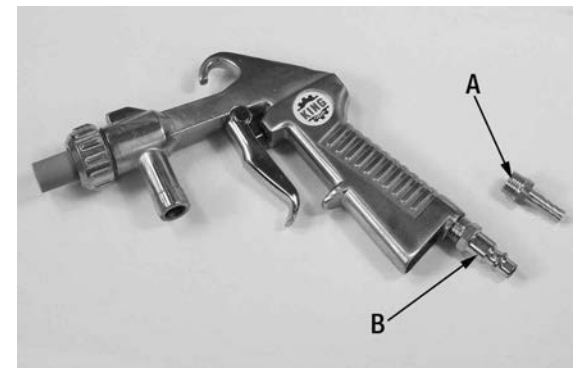


FIGURE 11

- 12) Install the 2-1/2" dust port (A) Fig.11 to the rear of the cabinet using 4 small pan head screws, washers and hex. nuts. It is highly recommended to connect a vacuum or a dust collector to the 2-1/2" dust port. This will greatly reduce airborne dust inside the cabinet, increasing visibility. If the dust port is not used, it can be blocked by using the dust port cover (B).

- 13) This Sandblast Cabinet comes with an LED light inside the cabinet. To use the LED light, connect the power adaptor connector (C) Fig.12. Connect the 120V plug end (D) into a suitable power outlet, and turn the LED light on by using the On/Off switch (E) at the front of the cabinet.

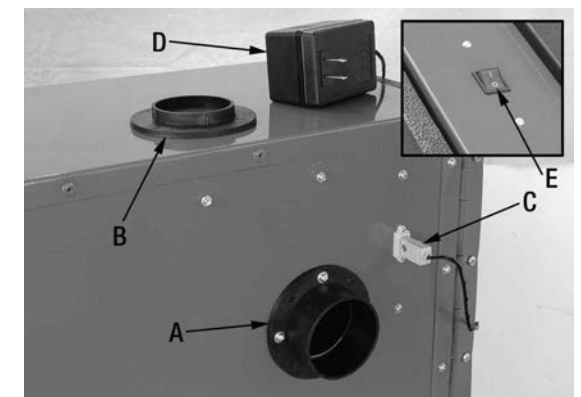


FIGURE 12



OPERATION & MAINTENANCE

OPERATION

Sandblasting presents a real hazard of silicosis and other lung contamination injuries! These injuries are permanent and can get worse over time. If you use sandblasting equipment without the proper protection, your lungs and eyes may become irreversibly contaminated. DO NOT use this sandblaster unless you know how to use it and protect yourself correctly.

If you have never used this type of machine or equipment before, WE STRONGLY RECOMMEND that you read books, trade magazines, or get formal training before beginning any projects.

WEAR SAFETY GLASSES AND RESPIRATOR AT ALL TIMES WHEN USING OR MAINTAINING THIS SANDBLAST CABINET.

- 1) Before using the Sandblast Cabinet, it is recommended to turn on the LED light for improved visibility.
- 2) 4 nozzles are provided with this Sandblast Cabinet, each nozzle has a different inner diameter. Install the nozzle that best suits your needs.
- 3) Without creating a large dust cloud, slowly empty up to 35 lbs of abrasive media into the cabinet.
- 4) Place your workpiece inside the cabinet.
- 5) It is recommended to connect a vacuum or dust collector to the rear 2-1/2" dust port of the cabinet. This will greatly reduce airborne dust inside the cabinet, increasing visibility.

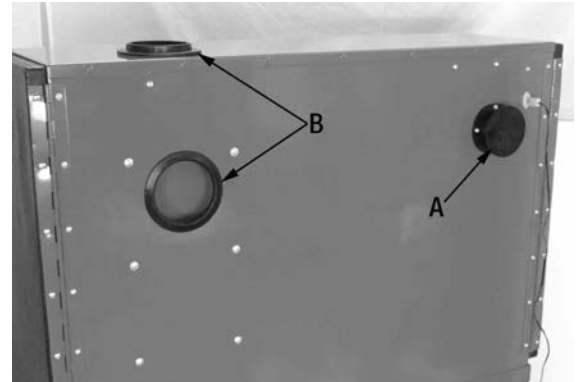


FIGURE 13

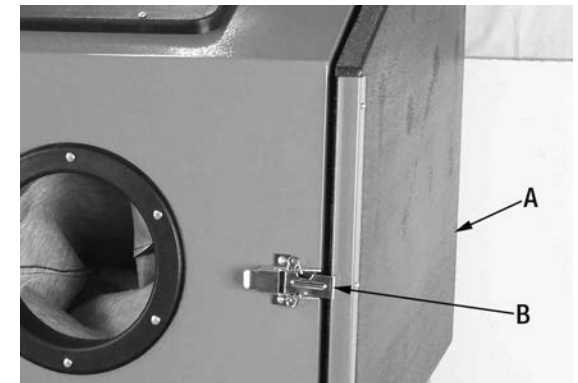


FIGURE 14

Note: If a vacuum or dust collector are not used to reduce airborne dust inside the cabinet, install the dust port cover (A) Fig.13 as shown, and remove the large plastic cover (B) to uncover large opening (B). This will allow air to flow out of the sandblast cabinet.

- 6) Close and secure both side doors (A) Fig.14 using the locking latches (B) .
- 7) Turn on your air compressor and vacuum/dust collector (if used).
- 8) Position both hands into the glove openings, and begin sandblasting your workpiece. It is recommended to keep the nozzle approximately 2" away from the workpiece. Start at a lower air compressor setting, adjust as needed. Different pressures and different abrasives will produce different results, experimentation is needed.

MAINTENANCE

ALWAYS DISCONNECT POWER AND THE AIR SUPPLY TO THE MACHINE BEFORE PERFORMING MAINTENANCE. FAILURE TO DO THIS MAY RESULT IN SERIOUS PERSONAL INJURY.

Always check the following each time you use the Sandblast Cabinet. Replace any parts that are found to be worn or damaged:

- Excessively worn or cracked nozzles.
- Make sure all fittings are tight and not leaking using soapy water and a spray bottle.
- Check the media collecting hose for thin walls and signs of bubbling.

Keep sandblast media moisture-free at all times. If moisture gets into the sandblast media, it will frequently clog the sandblast gun. Cleaning the gun and its nozzle will be required if this happens. Reduce moisture in the sandblast media before using again.

PARTS DIAGRAM & PARTS LISTS

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