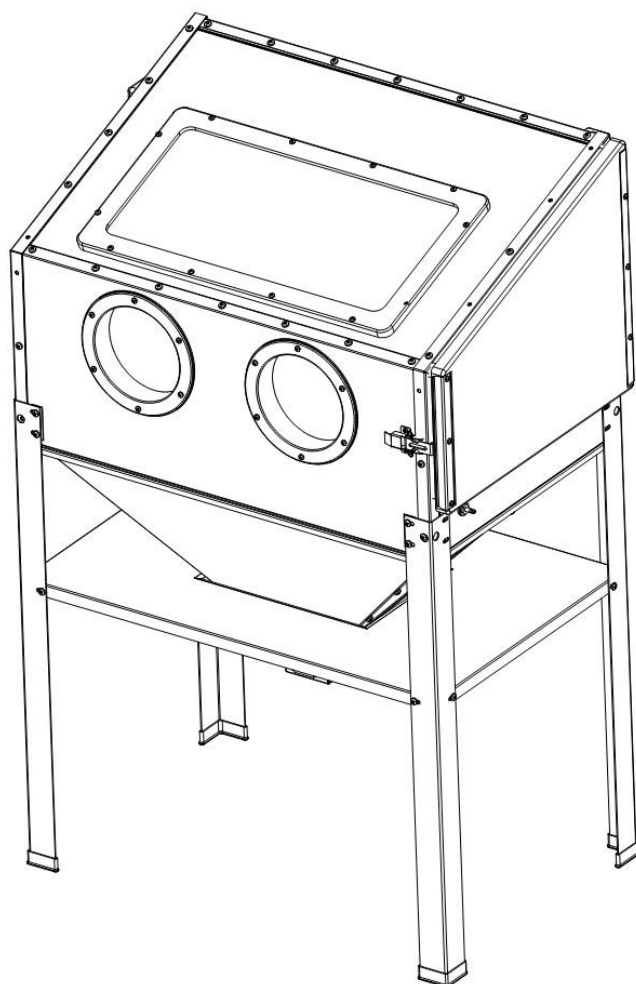


SAND BLASTER CABINET

MODEL:SBC200



IMPORTANT SAFETY INSTRUCTIONS

Instructions pertaining to a risk of fire, Electric shock, or injury to persons

General



Warning-To reduce the risk of injury, user must read instructions manual carefully.

When using tools, basic precautions should always be followed, including the following:

Work Area




1. **Keep the work area clean and well lighted.** Cluttered benches and dark areas increase the risks of electric shock, fire, and injury to persons.
2. **Do not operate the tool in explosive atmospheres, such as in the presence of flammable liquids,gases, or dust.** The tool is able to create sparks resulting in the ignition of the dust or fumes.
3. **Keep bystanders, children, and visitors away while operating the tool.** Distractions are able to result in the loss of control of the tool.

Personal Safety

1. Stay alert. Watch what you are doing and use common sense when operating the tool.Do not use the tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating the tool increases the risk of injury to persons.
2. Dress properly. Do not wear loose clothing or jewelry. Contain long hair.Keep hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair increases the risk of injury to persons as a result of being caught in moving parts.
3. Avoid unintentional starting. Be sure the trigger is released before connecting to the air supply. Do not connect the tool to the air supply with the switch on.
4. **Do not overreach.**

Keep proper footing and balance at all times.

Proper footing and balance enables better control of the tool in unexpected situations.

	Use safety equipment. A dust mask, non-skid safety shoes and a hard hat must be used for the applicable conditions.
	Always wear eye protection. Wear ANSI-approved safety goggles.
	Always wear hearing protection when using the tool. Prolonged exposure to high intensity noise is able to cause hearing loss.

Tool Use and Care

1. Use clamps or another practical way to secure and support the workpiece to a stable platform. Holding the work by hand or against the body is unstable and is able to lead to loss of control.
2. Do not force the tool. Use the correct tool for the application. The correct tool will do the job better and safer at the rate for which the tool is designed.
3. Do not use the tool if the switch does not turn the tool on or off. Any tool that cannot be controlled with the switch is dangerous and must be repaired.
4. Disconnect the tool from the air source before making any adjustments, changing accessories, or storing the tool. Such preventive safety measures reduce the risk of starting the tool unintentionally. Turn off and detach the air supply, safely discharge any residual air pressure, and release the throttle and/or turn the switch to its off position before leaving the work area.
5. Store the tool when it is idle out of reach of children and other untrained persons. A tool is dangerous in the hands of untrained users.
6. Maintain the tool with care.
7. Check for misalignment or binding of moving parts, breakage of parts, and any

other condition that affects the tool's operation. If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.

8. There is a risk of bursting if the tool is damaged.

9. Use only accessories that are identified by the manufacturer for the specific tool model. Use of an accessory not intended for use with the specific tool model, increases the risk of injury to persons.

Air Source

1. Never connect to an air source that is capable of exceeding 200 psi.



Over pressurizing the tool may cause bursting, abnormal operation, breakage of the tool or serious injury to persons. Use only clean, dry, regulated compressed air at the rated pressure or within the rated pressure range as marked on the tool.

Always verify prior to using the tool that the air source has been adjusted to the rated air pressure or within the rated air-pressure range.

2. Never use oxygen, carbon dioxide, combustible gases or any bottled gas as an air source for the tool. Such gases are capable of explosion and serious injury to persons.

Specific Safety Instructions

1. The warnings and precautions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

2. Obey the manual for the air compressor used to power this tool.

3. Install an in-line shutoff valve to allow immediate control over the air supply in an emergency, even if a hose is ruptured.

Assembly Precautions

1. Assemble only according to these instructions. Improper assembly can create hazards.

2. Wear ANSI-approved safety goggles and heavy-duty work gloves during assembly.
3. Keep assembly area clean and well lit.
4. Keep bystanders out of the area during assembly.
5. Do not assemble when tired or when under the influence of drugs or medication.

Silicosis and Aluminum Oxide Warnings

WARNING! Abrasive blasting with sand containing crystalline silica can cause serious or fatal respiratory disease. Exposure to crystalline silica may cause silicosis (a serious lung disease), cancer and death. Exposure to aluminum oxide (a dust generated from material removing processes) can result in eye, skin and breathing irritation. Always use approved respirator and safety goggles. Avoid skin exposure. Proper ventilation in the work area is required. Read and understand the 10 recommended measures below to reduce crystalline silica exposures in the workplace and prevent silicosis and silicosis related deaths.

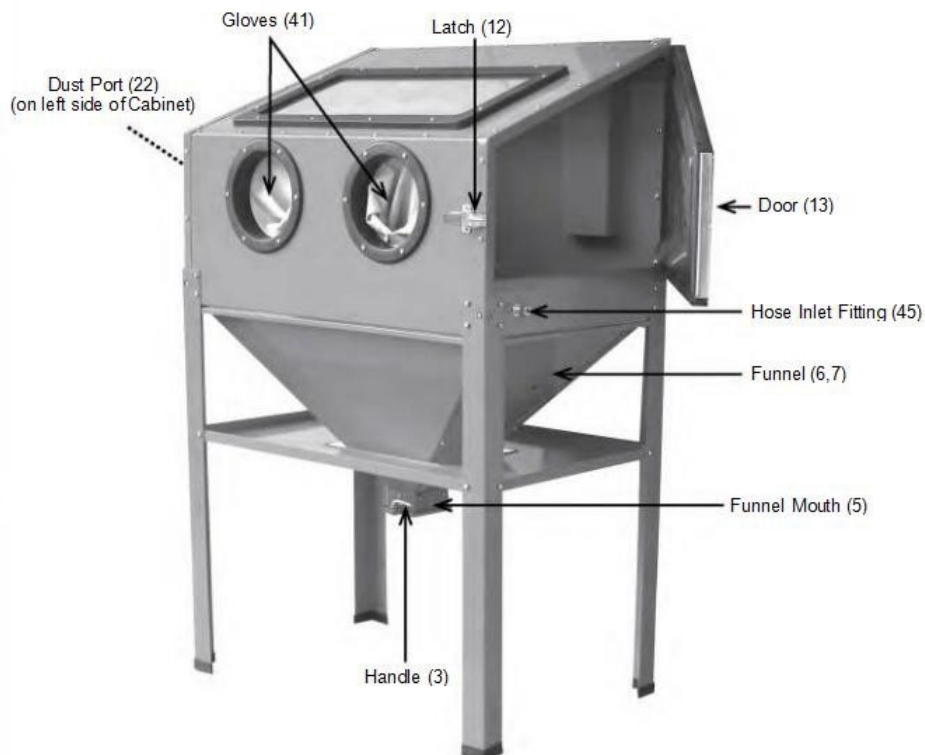
FUNCTIONAL DESCRIPTION

Specifications

Average Air Consumption	270 liter/min @ 6 bar
Maximum Working Pressure	40 - 120 PSI
Air Inlet	1/4" NPT
Abrasive Capacity	+/- 18 kg
Dust Port	63 mm
Viewing Window	54 cm x 25 cm
Working Area (LxWxHmin-Hmax)	840 x 550 x 370-550mm
Dimensions (LxWxHmin-Hmax)	890 x 560 x 1118-1380mm
Included Nozzles	4.5mm, 5mm, 6mm, 7mm

Components and Controls

Figure A: Components and Controls



INITIAL TOOL SET UP / ASSEMBLY



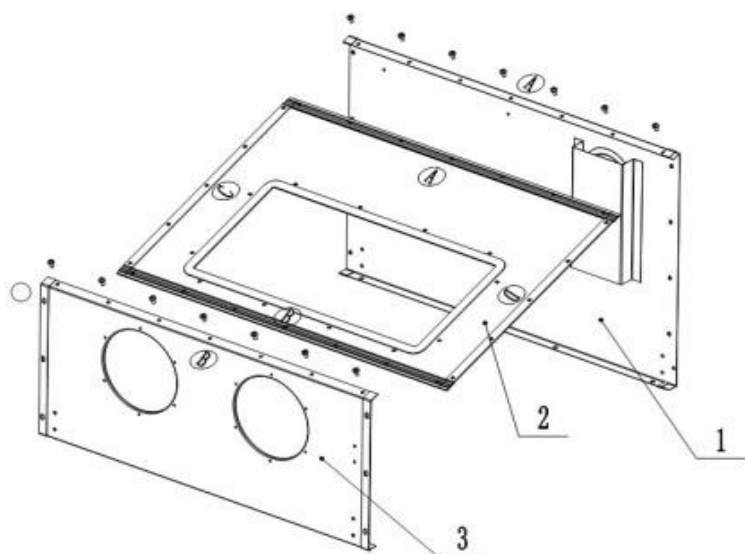
Read the **ENTIRE** IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Note: For additional information regarding the parts listed in the following pages, refer to the Assembly Diagram near the end of this manual.

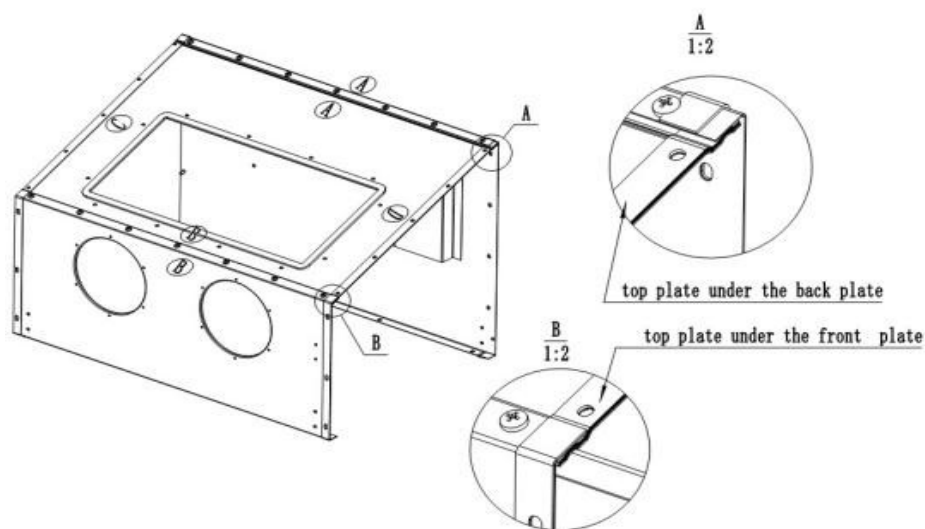
Note: This air tool may be shipped with a protective plug covering the air inlet. Remove this plug before set up.

Assembly Steps

Step1. Assemble cabinet



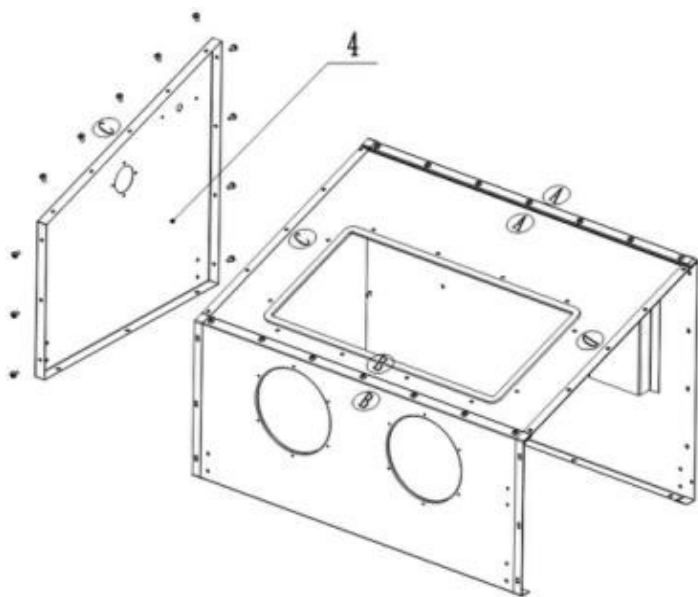
Installation completed



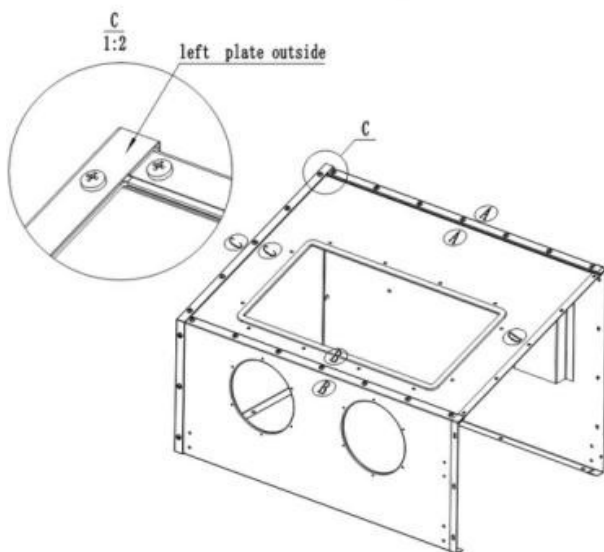
1. Connect the window plate(No.2) with rear plate (No.1)by screw M6*12 , washer and nut. Please note the window plate should be under rear plate.
Pic. A.

2. Connect the front plate(No.3) with window plate by screw M6*12 , washer and nut. Please note the window plate should be under front plate.
Pic. B.

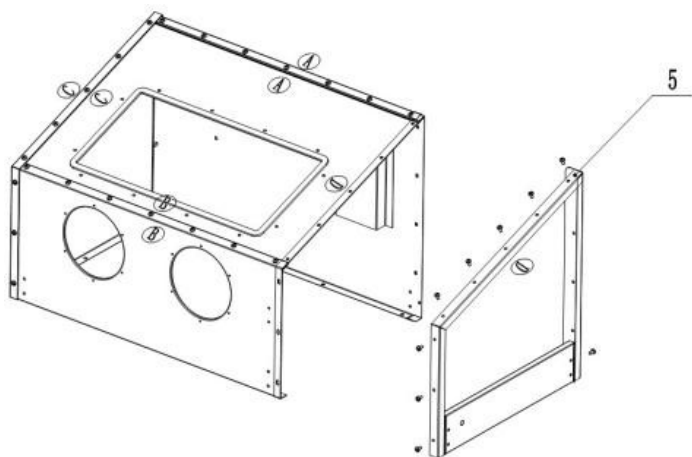
Note: When assemble window plate, please take care the direction, A-A,B-B. The side with sealing foam should be upwards. The window frame should be near front plate.



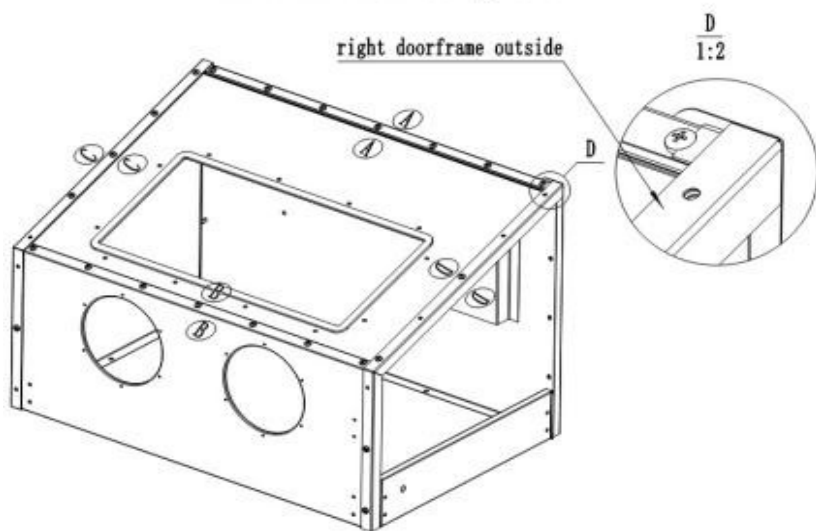
Installation completed



3. Cover the left plate(No.4) on the outside of rear plate, window plate and front plate. Screw them with washer and nut M6*12. C-C

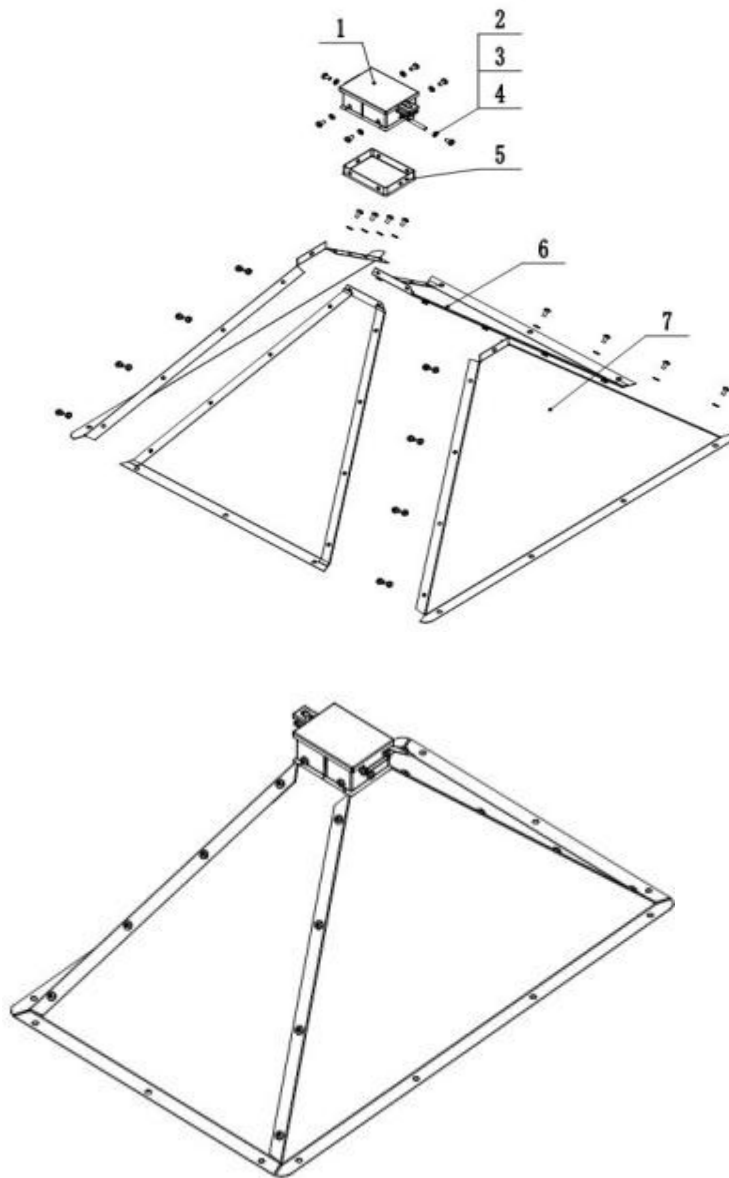


Installation completed



4. Cover the right plate(No.5) on the outside of rear plate, window plate and front plate. Screw them with washer and nut M6*12. D-D

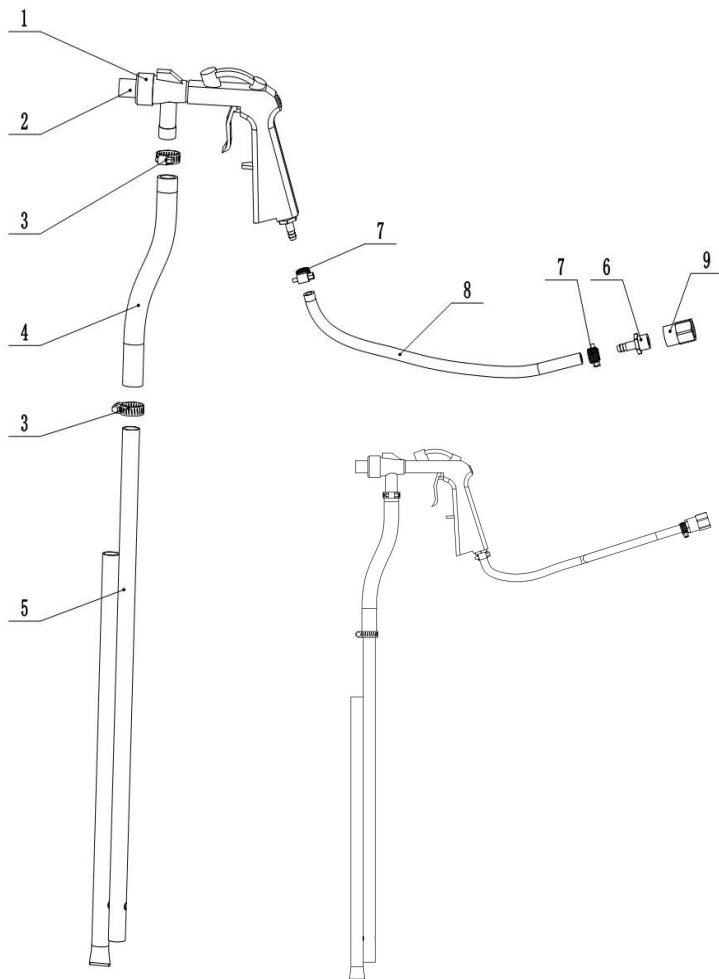
Step2. Assemble cabinet



1. Connect big funnel plate(No.7) with small funnel plate(No.6) by M6*8 pan head screw(No.2),washer and flange nut(No.4). Wrap around the funnel mouth with sealing foam (No.5) 2 circles. Fix the funnel box (No.1) with funnel by M6*12 pan head screw and flange nut.

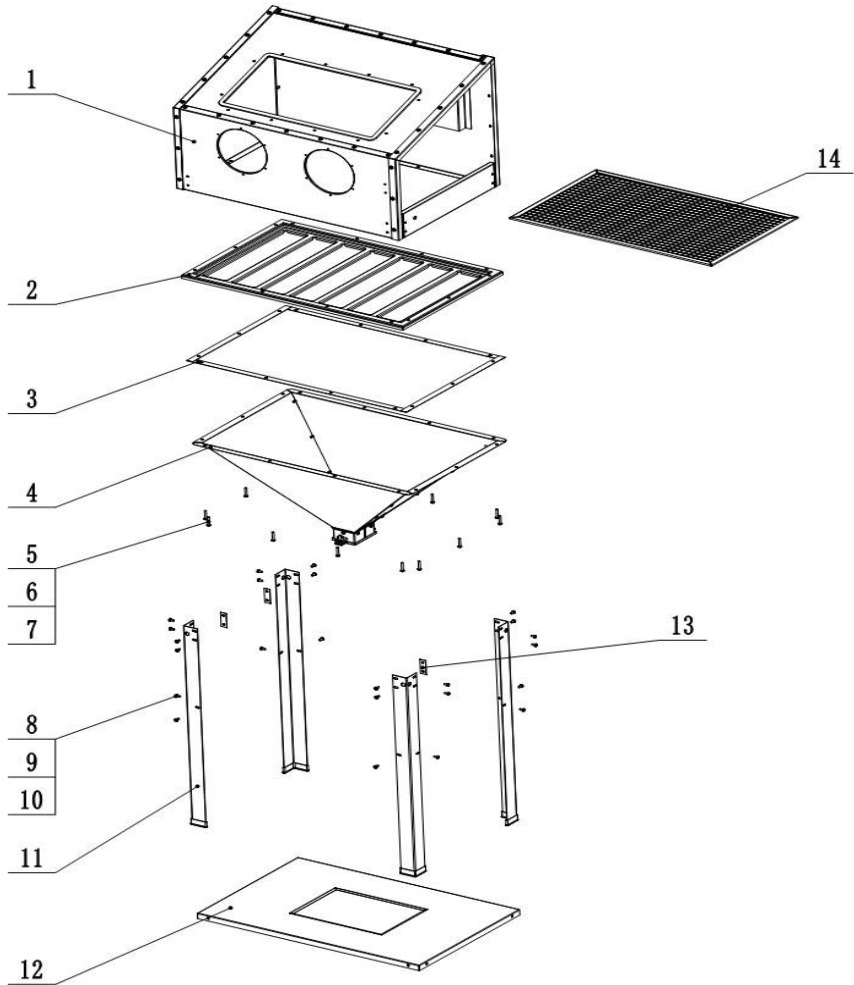
Note: the small funnel plate should be under big funnel plate.

Step3 Assemble blasting gun



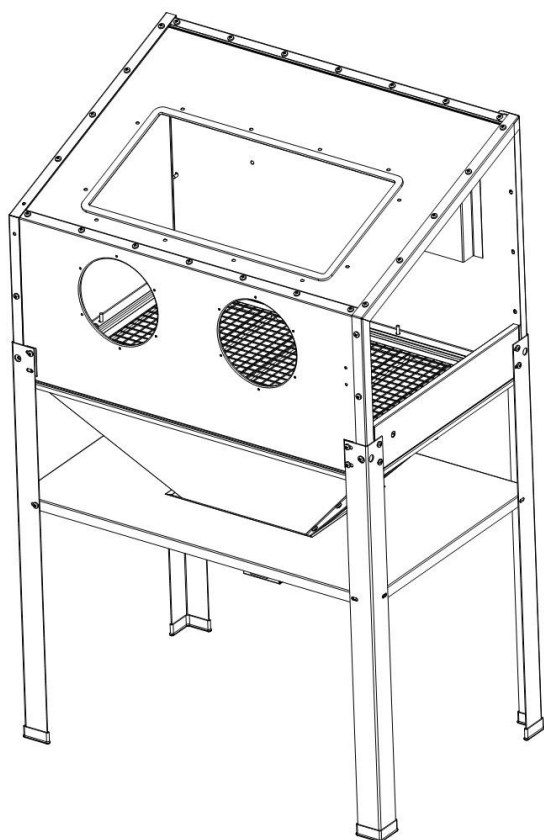
1. Connect sand hose (No.4) with gun(No.2), clamp (No.3)it.Connect sand pipe (No.5) into sand hose and clamp it tightly.
2. Connect air hose (No.8) with gun and clamp(No.7) it. Then connect air connector (No.6), inner thread connector(No.9). Please wrap 5 circles Teflon tape by clockwise rotation on the air connector to avoid leakage.

Step4 Assemble Body

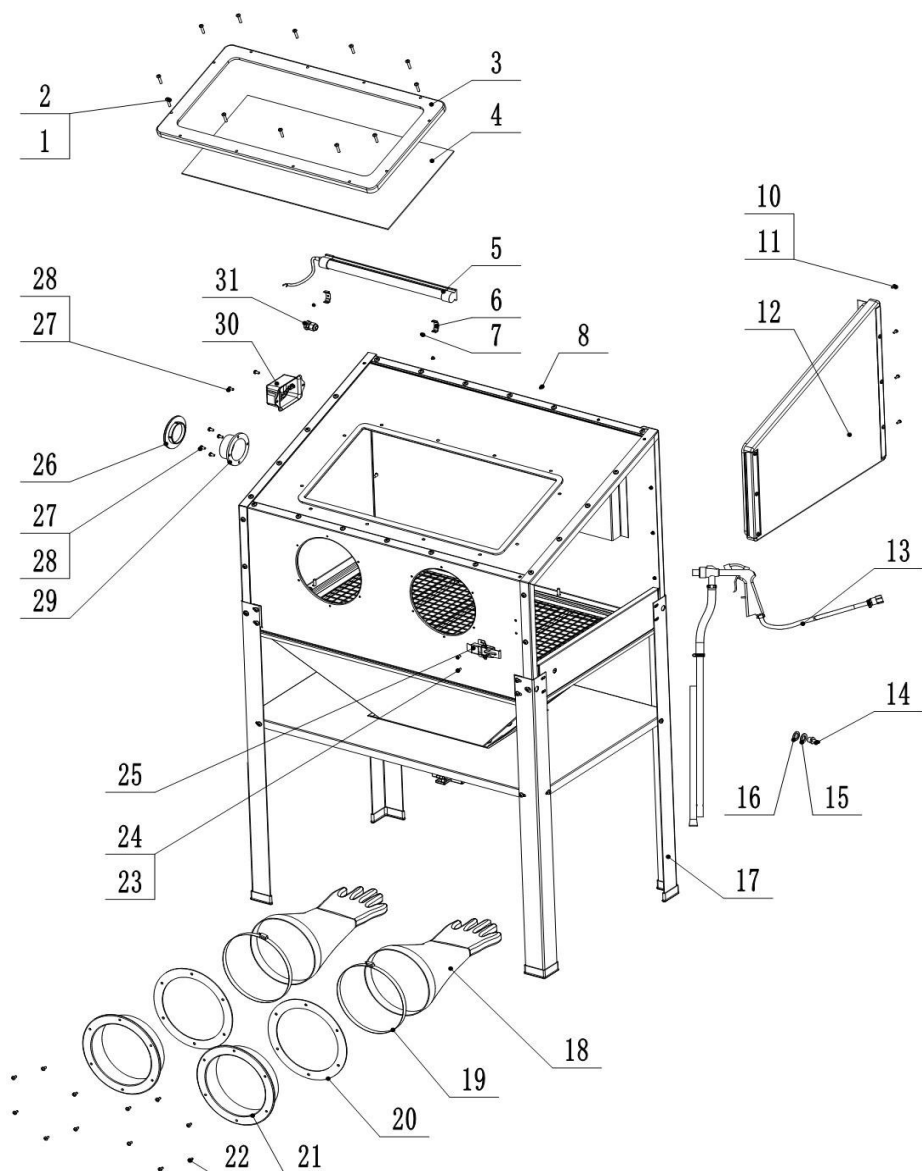


1. Fix the full cabinet (Step 1) with the net frame(No.2), net washer (No.3), full funnel (Step2) by screw M6*35(No.5), washer(No.6) and nut (No.7).
2. Fix the full cabinet (Step 1) with legs(No.11) by screw M6*12(No.8), washer(No.9) and nut (No.10).
3. Connect the square board(No.12) by screw M6*12, washer and nut .
4. Put the net into cabinet.

Note: Insert a shim (No.13) when fix the leg and front plate. Insert the other two shims again when fix the legs and rear plate.



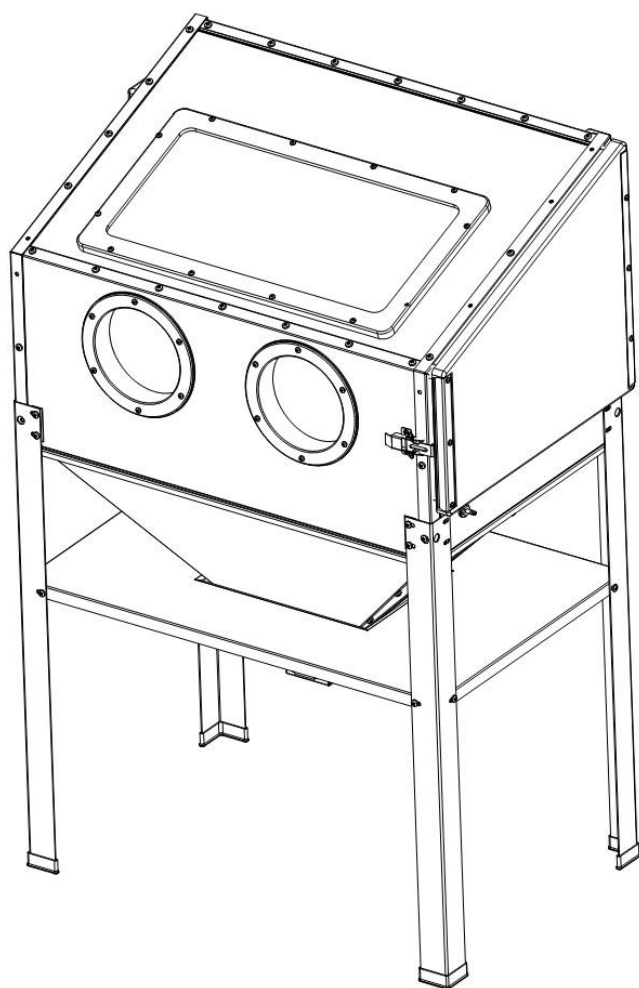
Step5 Assemble full machine



1. Install sandblasting gun assembly (Step3)(No.13) inside cabinet (No.17) , put the metal washer (No.15) and rubber seal (No.16) to the air connector (No.14). Then insert from hole of right cabinet plate and screw with inner thread connector. Please note to wrap the Teflon tape for connector if necessary. To make sure no air leakage.
2. Assemble the glove mounting ring(No.21)with big rubber seal ring (No.20) to the front cabinet plate by ST4.8*14 screws (No.22). Fix the gloves(No.18) to the plastic plastic edge and clamp (No.19)them tightly. It should be operated from inside direction.
3. Install the door locker(No.25) in the front cabinet plate by M4*10 screw (No.24) and nut(No.23).
4. Fix the lamp clips (No.7) to rear cabinet plate by M4*10 screw (No.8) and nut. Lock the LED lamp(No.6) Put the lamp cable into the plastic sealing joint(No.31) , insert the joint into the hole of left cabinet plate and screw it tightly. Connect the lamp cable to switch box(No.30) and fix the switch box on the cabinet by M5*10 screw (No.27) and nut(No.28).
5. Install the flange (No.29) by M5*10 screw (No.27) and nut(No.28) to left cabinet plate. Block it by flange cover (No.26) if the machine is noworking.
6. Assemble the right door to the cabinet by screw (No.11) and nut(No.12).
- 7.Put the plexiglass on the window plate (the side with PVC film should be downwards). Cover the window frame(No.3) and fix with cabinet by screwM5*25 (No.1) and nut(No.2).

Important Notice:

1. *Due to logistics reasons, few metal sheets may become slightly deformed, which could to be corrected by simple tools. Normally it is easily done. But please consult customer service if the correction is still not in place after you try. Customer service staff will provide proper solutions in time.*
2. *The sealing foam can be punctured with a screwdriver before assembly to facilitate the installation of screws (the holes would be hidden by sealing foam).*



Parts list

Part	Description	Qty
1	Cross pan head screw M5*25	12
2	Hex flange nut M5	12
3	Window frame	1
4	Plexiglass with Protective Film	1
5	LED lamp	1
6	Lamp clip	2
7	Cross countersunk screw M4*6	2
8	Cross pan head screw M4*10	2
9	Silicone sealant	1
10	Cross pan head screw M4*10	4
11	Hex nut M4	4
12	Right door	1
13-1	Blasting gun +1 nozzle(Ø4.5)+1air connector	1
13-2	Air hose	1
13-4	Sand hose	1
13-5	Sand pipe	1
13-6	Hose clamp Ø16-Ø25	2
13-7	Hose clamp Ø8-Ø12	2
13-8	Inner thread connector 1/4"	1
14	Air connector 1/4-Ø6	1
15	Steel washer Ø13	1
16	Rubber washer Ø12.5	1
17	Leg with foot sleeve	4
18	Glove	2
19	Glove clamp	2
20	Glove seal r ing	2
21	Glove m ounting r ing	2

22	Tapping screw of glove ring ST4.8x14	12
23	Cross pan head screw M4*10	2
24	Hex nut M4	2
25	Door latch	1
26	Dust Collector Port Cover	1
27	Cross pan head screw M5*10	4
28	Hex nut M5	4
29	Dust collector flange	1
30	Switch box	1
30-1	Cross pan head screw M5*10	2
30-2	Hex nut M5	2
31	Plastic sealing joint	1
32	Hinge pre- assembled on Door (13) M4x10	1
33	PVC protective Film	3
34	Leg Shim	3
35	Transformer	1
36	PTFE Teflon tape	1
37	Nozzle Ø5,6,7	3
38	Sealing foam 760MM	1
39	Manual	1

Air Supply

TO PREVENT SERIOUS INJURY FROM EXPLOSION:

Use only clean, dry, regulated, compressed air to power this tool.

Do not use oxygen, carbon dioxide, combustible gases, or any other bottled gas as a power source for this tool.

1. Incorporate a filter, regulator with pressure gauge, dryer, in-line shutoff valve, and quick coupler for best service, as shown on Figure L on page 12 and Figure M on page 13. An in-line shutoff ball valve is an important safety device because it controls the air supply even if the air hose is ruptured. The shutoff valve should be a ball valve because it can be closed quickly.

Note: An oiler system should not be used with this tool. The oil will mix with the material being propelled, causing tool to clog.

2. Attach an air hose to the compressor's air outlet. Connect the air hose to the air inlet of the tool. Other components, such as a coupler plug and quick coupler, will make operation more efficient, but are not required.

WARNING! TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:

1. Do not install a female quick coupler on the tool. Such a coupler contains an air valve that will allow the air tool to retain pressure and operate accidentally after the air supply is disconnected.

Note: Air flow, and therefore tool performance, can be hindered by undersized air supply components. The air hose must be long enough to reach the work area with enough extra length to allow free movement while working.

2. Turn the tool's throttle or switch to the off position; refer to Operation section for description of controls.

3. Close the in-line shutoff valve between the compressor and the tool.

4. Turn on the air compressor according to the manufacturer's directions and allow it to build up pressure until it cycles off.



5. 6. Adjust the air compressor's output regulator so that the air output is enough to properly power the tool, but the output will not exceed the tool's maximum air pressure at any time. Adjust the pressure gradually, while checking the air output gauge to set the right pressure range.

6. Inspect the air connections for leaks. Repair any leaks found.

7. If the tool will not be used at this time, turn off and detach the air supply, safely

discharge any residual air pressure, and release the throttle and/or turn the switch to its off position to prevent accidental operation.

Note: Residual air pressure should not be present after the tool is disconnected from the air supply. However, it is a good safety measure to attempt to discharge the tool in a safe fashion after disconnecting to ensure that the tool is disconnected and not powered.

OPERATING INSTRUCTIONS

Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product. Inspect tool before use, looking for damaged, loose, and missing parts. If any problems are found, do not use tool until repaired.

Tool Set Up

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:

Turn off the tool, detach the air supply, safely discharge any residual air pressure in the tool, and release the trigger before performing any inspection, maintenance, or cleaning procedures.

TO PREVENT SERIOUS INJURY:

Do not adjust or tamper with any control or component in a way not specifically explained within this manual. Improper adjustment can result in tool failure or other serious hazards.

1. Remove the Dust Port Cover (29) on the left side of the Cabinet and install a dust collection system (sold separately) to the Dust Port opening to remove media dust while blasting.
2. If not using a dust collection system, check that the Dust Port Cover is in place over the Dust Port opening on the left side of the Cabinet.



3. Fill the bottom of the Cabinet with no more than 40 pounds of fine abrasive material. Fill the funnel area about 1/2 full. To prevent clogging, do not overfill. Do not use harsh abrasive media, such as steel shot or aluminum oxide.

WARNING! Do not use sand or abrasives that contain crystalline silica. Abrasive blasting with sand containing crystalline silica can cause serious or fatal respiratory disease. See "Silicosis and Aluminum Oxide Warnings" .

General Operating Instructions

1. Connect the air compressor hose to the Hose Inlet Fitting.
2. Plug in and turn on the Cabinet light.
3. Turn on the vacuum of the dust collection system (sold separately).

Note: When using a vacuum dust collector, clean the filter periodically to maintain adequate suction and effectiveness of the vacuum.

4. Open the Door of the Blast Cabinet and place the workpiece in the center of the Cabinet.
5. Close the door and secure the latch.
6. Set the compressor's air pressure between 6 and 8 bar.
7. Place your hands into the Gloves inside the Cabinet. Make sure your fingers are in the proper positions and that you can easily move your hands and grip objects.
8. Hold the workpiece in one hand, positioning your fingers so that the glove is not in the way of the area you will be blasting. While working, reposition your grip as needed to ensure that all areas of the workpiece will be contacted with the blast material.
9. Grip the Abrasive Gun with the other hand and point the nozzle at the bottom of the Cabinet.
10. Squeeze the trigger.
11. Check that the abrasive media is flowing through the suction hose with no leaks. Release the trigger and correct any leaks if needed.
12. Otherwise begin blasting the workpiece.

WARNING! Do not aim the nozzle at your fingers or the Blast Gloves. If Gloves are punctured or you feel air blowing in the Glove, replace them immediately. Do not use a damaged or punctured Glove.

13. If the tool requires more force to accomplish the task, verify that the tool receives sufficient, unobstructed airflow (CFM) and increase the pressure (PSI) output of the regulator up to the maximum air pressure rating of this tool.

**CAUTION! TO PREVENT INJURY FROM
TOOL OR ACCESSORY FAILURE:**

Do not exceed the tool's maximum air pressure rating.

If the tool still does not have sufficient force at maximum pressure and sufficient airflow, then a larger tool may be required.

14. When finished, or to check the progress of your blasting:

a. Release the trigger, lay the workpiece on the floor of the Cabinet and remove your hands from the gloves.

b. Turn off the compressor and dust collection system (if equipped). Wait for the air inside the Cabinet to clear.

c. Open the Cabinet door and remove the workpiece. If the workpiece needs more blasting, resume from step 4 of these operating instructions.

15. To prevent accidents, release the trigger, detach the air supply, then squeeze and release the trigger once more to safely discharge any residual air pressure in the tool. Empty the Funnel of blast media (see User-Maintenance Instructions section). Clean external surfaces of the tool with a clean, dry cloth.

Then store the tool indoors out of children's reach.

Cleaning, Maintenance, and Lubrication

Note: These procedures are in addition to the regular checks and maintenance explained as part of the regular operation of the air-operated tool.

1. Daily - Air Supply Maintenance:

Everyday, maintain the air supply according to the component manufacturers' instructions. Drain the moisture filter regularly. Performing routine air supply maintenance will allow the tool to operate more safely and will also reduce wear on the tool.

2. After use, empty the Cabinet Funnel of blast media:

CAUTION! Wear ANSI-approved Safety Goggles and NIOSH-approved dust mask/respirator when emptying the abrasive media.

a. Place a container (sold separately), which is large enough to hold all the blast media, under the mouth of the Funnel.

b. Turn the handle on the Funnel Mouth to open the Funnel and allow all the abrasive media to flow into the container.

c. Close the Funnel Mouth.

Troubleshooting

Problem	Possible Causes	Likely Solutions
Decreased output.	<ol style="list-style-type: none"> 1. Not enough air pressure and/ or air flow. 2. Obstructed trigger. 3. Blocked air inlet screen (if equipped). 4. Air leaking from loose housing. 5. Mechanism contaminated. 6. Abrasive media level too low. 7. Lubrication being used. 	<ol style="list-style-type: none"> 1. Check for loose connections and make sure that air supply is providing enough air flow (l/min) at required pressure (bar) to the tool's air inlet. Do not exceed maximum air pressure. 2. Clean around trigger to ensure free movement. 3. Clean air inlet screen of buildup. 4. Make sure housing is properly assembled and tight. 5. Have qualified technician clean and lubricate mechanism. Install in-line filter in air supply as stated in Setup: Air Supply. 6. Add more abrasive media to the Funnel. 7. An oiler system should not be used with this cabinet. The oil will mix with the material being propelled, causing gun to clog.
Housing heats during use.	Worn parts.	Have qualified technician inspect internal mechanism and replace parts as needed.
Severe air leakage. (Slight air leakage is normal, especially on older	<ol style="list-style-type: none"> 1. Cross-threaded housing components. 2. Loose housing. 3. Damaged valve or housing. 4. Dirty, worn or damaged valve. 	<ol style="list-style-type: none"> 1. Check for incorrect alignment and uneven gaps. If cross-threaded, disassemble and replace damaged parts before use. 2. Tighten housing assembly. If housing cannot tighten properly,

tools.)		internal parts may be misaligned. 3. Replace damaged components. 4. Clean or replace valve assembly.
Abrasive media not effective.	Abrasive media has become worn down from use.	Replace abrasive media.
Abrasive media does not fire from Abrasive Gun.	<ol style="list-style-type: none"> 1. Lubrication being used. 2. Abrasive media size is too large for Nozzle. 3. Abrasive media too moist and is sticking together. 	<ol style="list-style-type: none"> 1. An oiler system should not be used with this tool. The oil will mix with the material being propelled, causing gun to clog. 2. Replace Nozzle with a nozzle large enough to handle abrasive media size or use finer media. 3. Replace media with dry, fresh media. <p>Incorporate an air drier on the air supply.</p>
Light inside Cabinet does not work.	<ol style="list-style-type: none"> 1. Bulb is burned out. 2. Power cord is not plugged in. 3. Switch is off. 4. Outlet is non-functioning. 	<ol style="list-style-type: none"> 1. Replace light bulb. 2. Check that the power cord is properly plugged into an outlet. 3. Turn the Light Power Switch on. 4. Have electrical outlet serviced by a qualified electrician.
Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect air supply before service.		

PARTS LIST AND DIAGRAM

Please read the following carefully the manufacturer and/or distributor has

provided the parts list and assembly diagram in this manual as a reference tool only. Neither the manufacturer or distributor makes any representation or warranty of any kind to the buyer that he or she is qualified to make any repairs to the product, or that he or she is qualified to replace any parts of the product. In fact, the manufacturer and/or distributor expressly states that all repairs and parts replacements should be undertaken by certified and Licensed technicians, and not by the buyer. The buyer assumes all risk and liability arising out of his or her repairs to the original product or replacement parts
There to, or arising out of his or her installation of replacement parts thereto.

FCC Information

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment!

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This product may cause harmful interference.
- 2) This product must accept any interference received, including interference that may cause undesired operation.

WARNING: Changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the product.

Note: This product has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This product generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the product off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the distance between the product and receiver.
- Connect the product to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for assistance.

CORRECT DISPOSAL



This product is subject to the provision of european Directive 2012/19/EU. The symbol showing a wheelie bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices.

Made In China

