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Made in China

59001
Rev 59001-20090526



Owner's Manual and Operating Instructions



SAVE THESE INSTRUCTIONS

**Important Safety
Instructions are included in
this manual**

ABRASIVE BLAST CABINET

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Introduction

Congratulations on your purchase of a Champion Power Equipment abrasive blast cabinet. CPE designs and builds abrasive blast cabinets to strict specifications. With proper use and maintenance, this winch will bring years of satisfying service.

This Owner's Manual contains important safety instructions and information. **SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.**

Accessories

Champion Power Equipment manufactures and sells accessories designed to help you get the most from your purchase. To find out more about our products, please visit our web site at

www.championpowerequipment.com

Record the model and serial numbers as well as date and place of purchase for future reference. Have this information available when ordering parts and when making technical or warranty inquiries.

Champion Power Equipment Support
1-877-338-0999
Model Number
59001
Serial Number
Date of Purchase
Purchase Location

Manual Conventions

Manual Conventions

This manual uses the following symbols to help differentiate between different kinds of information. The safety symbol is used with a key word to alert you to potential hazards in operating and owning power equipment.

Follow all safety messages to avoid or reduce the risk of serious injury or death.

DANGER

DANGER indicates an imminently hazardous situation which, if not avoided, *will* result in death or serious injury.

WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, *could* result in death or serious injury.

CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, *may* result in minor or moderate injury.

CAUTION

CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, *may* result in property damage.

NOTE

If you have questions regarding your winch, we can help. Please call our help line at 1-877-338-0999.

Safety Rules

WARNING

Do not use any sand or silica based abrasives with this tool. Silica based abrasives have been linked to severe respiratory disease. Always use OSHA recommended abrasives.

CAUTION

Know your tool. Read this manual carefully. Learn the tool's applications and limitations, as well as potential hazards specific to it.

CAUTION

Do not expose tool to moisture. Don't use this tool in damp or wet locations. Keep out of rain.

CAUTION

Do not abuse cord. Never use the cord to carry tools or pull the plug from an outlet. Keep cord away from heat, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.

CAUTION

Keep work area clean and well lit. Cluttered or dark work areas invite accidents.

WARNING

Keep children away. All children should be kept away from the work area. Never let a child handle a tool without strict adult supervision.

WARNING

Use safety equipment. Eye protection should be worn at all times when operating this tool. Use ANSI approved safety glasses. Everyday eyeglasses are NOT safety glasses. Dust mask, non-skid safety shoes, hard hat, or hearing protection should be used in appropriate conditions.

WARNING

Wear proper apparel. Loose clothing, gloves, neckties, rings, bracelets, or other jewelry may present a potential hazard when operating this tool. Please keep all apparel clear of the tool.

WARNING

Don't overreach. Keep proper footing and balance at all times when operating this product.

WARNING

Always disconnect the tool from air supply and release pressure from the tank before making any adjustments, storing, servicing, or changing accessories. Such preventative safety measures reduce the risk of starting the tool accidentally.

WARNING

Always disconnect the tool from power source before making any adjustments, storing, servicing, or changing accessories. Such preventative safety measures reduce the risk of starting the tool accidentally.

WARNING

Do not force tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it was designed.

Safety Rules

WARNING

Check for damage. Check your tool regularly. If part of the tool is damaged it should be carefully inspected to make sure that it can perform its' intended function correctly. If in doubt, the part should be repaired. Refer all servicing to a qualified technician. Consult your dealer for advice.

WARNING

Keep away from flammables. Do not attempt to operate this tool near flammable materials or combustibles. Failure to comply may cause serious injury or death.

CAUTION

Use proper accessories. Using accessories not recommended may be hazardous. Be sure accessories are properly installed and maintained. Do not defeat a guard or other safety device when installing an accessory or attachment.

CAUTION

Store idle tools out of the reach of children and untrained persons. Tools may be dangerous in the hands of untrained users.

CAUTION

Guard against electric shock. Prevent body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators. Use a Ground Fault Circuit Interrupter (GFCI) to reduce shock hazards.

WARNING

Periodically check the abrasive medium delivery equipment. Hoses and nozzles that carry the abrasive medium are subjected to the abrasive blasting action so will wear out more quickly than other components.

Assembly

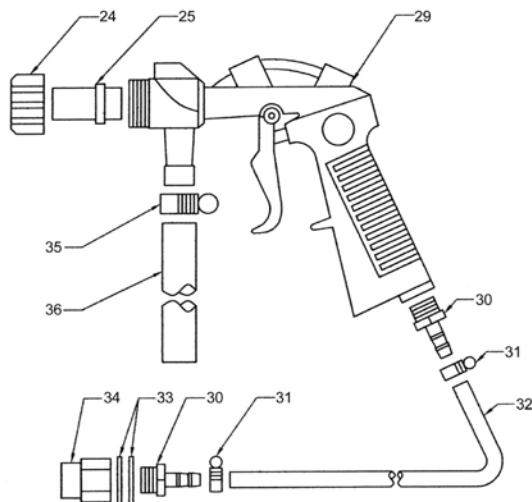
Your abrasive blast cabinet requires some assembly.

If you have any questions regarding the assembly of your abrasive blaster, call our help line at 1-877-338-0999. Please have your serial number and model number available.

Remove all contents from the shipping carton and prepare a clean, flat working surface for assembly.

Abrasive Gun Assembly

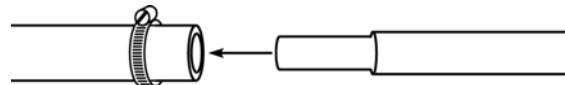
1. Wrap the threads of the Air Hose Adapter (30) with Teflon tape and place a Washer (33) onto Air Hose Adapter. Insert the threaded end of the Air Hose Adapter through the Hose Inlet Opening located on the side of the Cabinet. Place another Washer (33) onto threaded end of Air Hose Adapter and then securely tighten the Air Adapter Nut (34) onto threaded end of Air Hose Adapter. Connect the air hose from your air compressor the Air Adapter Nut.



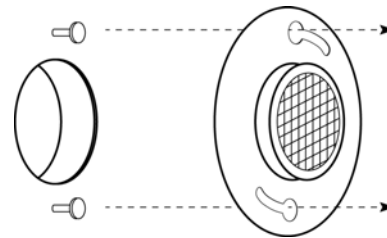
- 24 - Nozzle Adapter Nut
- 25 - Air Nozzle (4mm,5mm,6mm,7mm)
- 29 - Abrasive Gun
- 30 - Air Hose Adapter
- 31 - Small Hose Clamp
- 32 - Air Hose
- 33 - Flat Washer

- 34 - Air Adapter Nut
- 35 - Large Hose Clamp
- 36 - Abrasive Intake Hose

2. Place a Large Hose Clamp (35) over the end of the Abrasive Intake Hose (36).
3. Insert the tapered end of the Abrasive Pick-up Tube (37) firmly into the Abrasive Intake Hose.
4. Tighten Large Hose Clamp onto Abrasive Intake Hose, securing it to Abrasive Pick-up Tube.



5. With Abrasive Intake Hose firmly clamped to Abrasive Pick-up Tube, install Abrasive Pick-up Tube into bottom of cabinet, in the retaining clips provided.
6. Remove plastic air vent plug from rear panel of cabinet and install the Air Vent (20B) with foam packing. Slide the Air Vent onto the pegs on rear of cabinet and firmly twist into place.



Operation

Operation

WARNING

Always Close and latch the lid prior to operating the cabinet.

WARNING

Before operating your abrasive blaster, inspect each connection, double checking to make sure that all are tight and properly sealed.

Adding Abrasive

1. Make sure Tank Drain Plug (38) is firmly inserted into the Drain located in the bottom of the cabinet.
2. Open the cabinet lid and pour your abrasive blasting media directly onto the steel screen. The media will flow through the holes in the steel screen and into the bottom of the cabinet.
3. Pour the abrasive media about 4" deep in the bottom of the cabinet.

CAUTION

Do not attempt to move Abrasive Blast Cabinet when it is loaded with abrasive blasting media. This may damage cabinet and cause injury to the user.

Connect Power

1. Plug power cord into the switch box, located on upper left panel of cabinet.
2. Plug wall adapter into receptacle.

Turning on the Light

The power switch, located on the upper left panel of cabinet provides power to the fluorescent work light mounted inside the cabinet.

To turn on the light, simply flip the switch to the ON position.

To turn off the light, simply flip the switch to the OFF position.

Holding the Gun

The best way to hold the gun is the way that feels most comfortable to you. While practicing to use your new abrasive blast cabinet, experiment with holding the gun in different positions until you find the one which seems to work best for you. Never aim the nozzle at your fingers, the rubber gloves or the light.

To Start Abrasive Blasting

WARNING

The air should be turned off until the workpiece is inside the cabinet to prevent accidental spraying of abrasive when loading.

1. Select the appropriate nozzle for your needs.
2. Open the door and place the workpiece in the center of the cabinet. Close door and latch **SECURELY** by rotating lid latches into place over viewing glass frame (see illustration below).
3. Set the compressor's pressure regulator to 40-80 psi. *Do not set the regulator above the maximum 80 psi.*
4. Place your hands into the rubber gloves (11) inside the cabinet. Make certain your fingers are in the proper positions and that you can easily move your hands and grip things.
5. Grip the gun with one hand. Point the nozzle at the bottom of the cabinet and operate the gun for a moment to make certain everything is working correctly. If leaking is detected, disconnect the air hose and have it repaired before using.
6. Hold the material you are working with in your other hand. Position your fingers so that the rubber glove is not in the way of the area you are blasting. You may have to reposition your fingers many different times during the blasting to ensure that you have blasted every area of your workpiece.

7. Press the trigger of the gun to begin blasting. Aim the nozzle directly at the surface of the workpiece. Bring the nozzle to within two (2) inches of the workpiece if necessary. Move the gun in a side-to-side or circular motion, always making sure that your fingers are not in the way.



WARNING

Do not aim the nozzle at your fingers, the rubber gloves or the light.

8. To check on the progress of your blasting, release the gun first and pull your hand from the glove. Remove your other hand. Once gun is OFF, disconnect air supply and open the door to inspect your material. If necessary to continue blasting, follow previous steps as needed.



WARNING

Do not aim the nozzle at your fingers, the rubber gloves or the light.

9. Once completed, remove your hands from the gloves and shut off the compressor. Open the door and remove your material.



NOTE

Your abrasive blast cabinet has a dust extraction port (located on rear right panel) for your shop vacuum in order to remove any dust created by blasting. Place shop vacuum hose end into dust extraction port. Be sure to follow all vacuum manufacturer's instructions when attaching your vacuum to dust extraction port. When using the vacuum, a paper filter should be placed over the standard filter.

Maintenance

Maintenance

The owner/operator is responsible for all periodic maintenance.



WARNING

Never operate a damaged or defective abrasive blaster.



WARNING

Improper maintenance will void your warranty.



NOTE

For service or parts assistance, contact our help line at 1-877-338-0999.

from air vent and gently clean with soapy water. Allow filter to dry before reinstalling it into air vent.

The Dust Extraction Filter should also be kept clean. This allows the free flow of air out of the cabinet when a vacuum is attached to cabinet. To clean dust extraction filter, remove it from cabinet and blow clean with compressed air. When filters become too dirty or clogged to clean, contact your authorized Clarke dealer for quality replacement parts.

5. Pay particular attention to the Blast Gun, Abrasive Hose and Nozzles as they will wear out much more quickly than the other pieces. The abrasive hose and air hose must be replaced immediately if their side walls develop leaks or show blisters in the surface. *Do not use if any of these problems are present!*

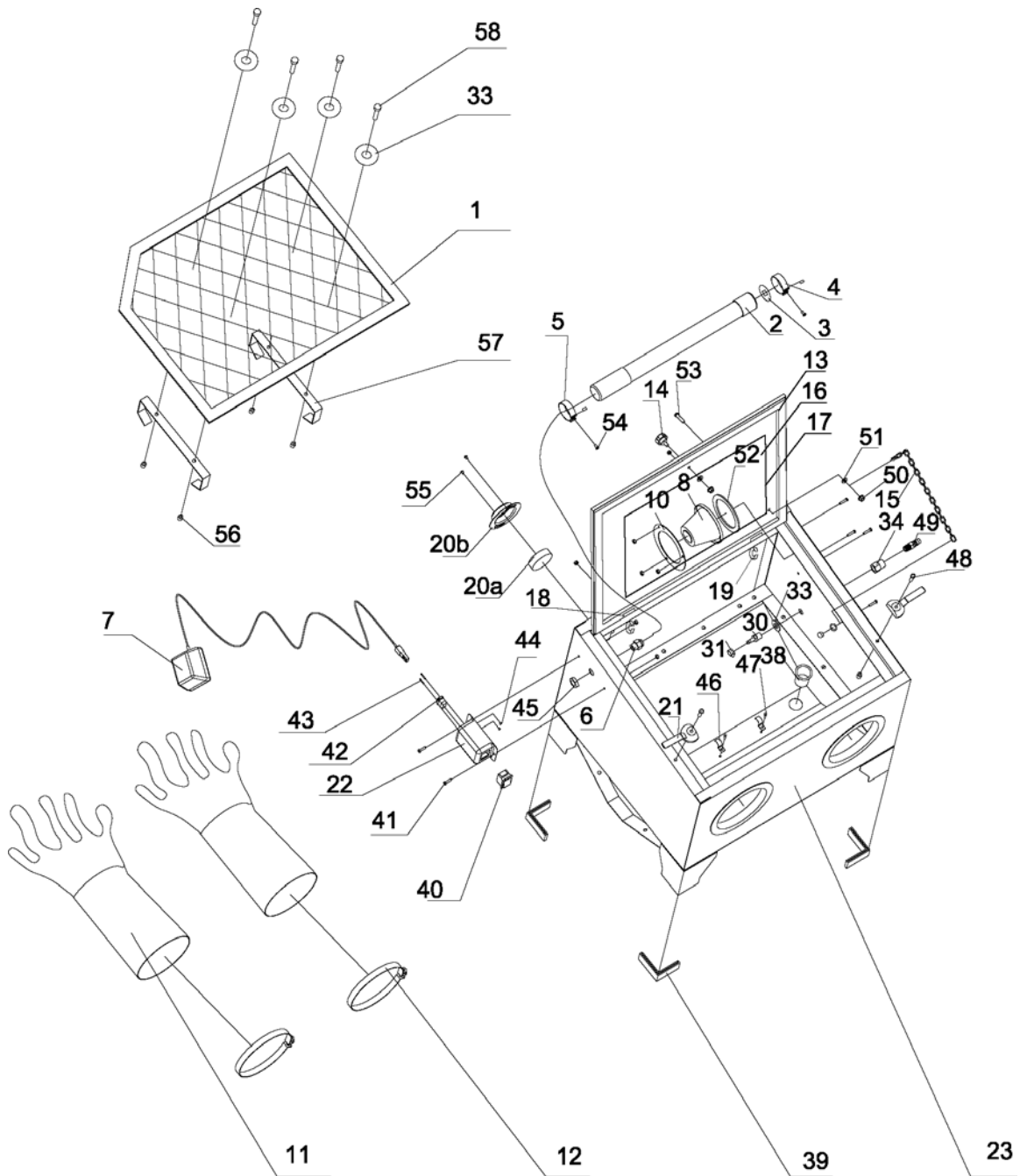
1. **Blasting Gun** - After 10-12 hours of blasting time, the nozzle should be checked. If it shows uneven wear it should be turned 1/4 turn every 10 hours of use. Release pressure from the tank after each use.
2. **Caking of Media** - Media caking is caused by moisture in the air supply or from oily or greasy parts. If this is not corrected, media will not flow correctly and will plug up the hoses and the gun. Check air supply; if water is present, install a good moisture trap. If oily or greasy parts are being blasted, you should degrease and dry the parts first.
3. **Poor Visibility** (viewing window) - The viewing window comes with a clear plastic protective film on it. As this film becomes pitted and worn, it can easily be replaced. Simply peel old film from viewing window and install new film. Your abrasive blast cabinet includes two replacement films.
4. **Poor Visibility** (Excessive Dust) - The foam filter of the Air Vent located on the rear panel of the cabinet should be kept clean – this allows air to flow into the cabinet. To clean foam filter, remove it

Specifications

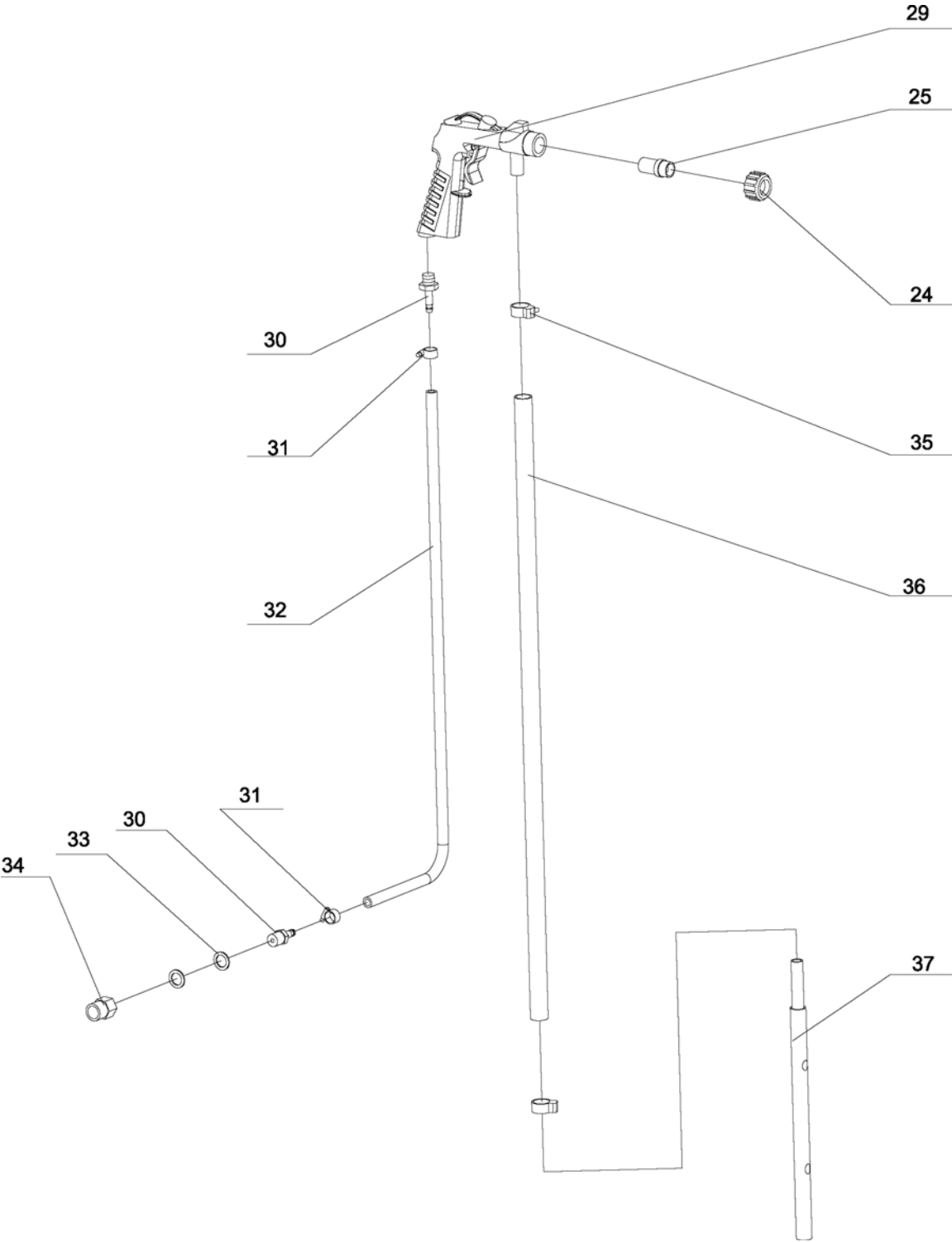
Capacity	32 lbs (14,5 kg)
Arm Hole Openings	5.5 inches
Work Area	2.5 Cubic feet
Air consumption	5 CFM @ 40-80psi
Weight	43 lbs
Height	25 inches (635mm)
Width	19 inches (495 mm)
Length	19.5 inches (482 mm)

Specifications

Parts Diagram



Parts Diagram



Specifications

Parts List

Item	Part Number	Description	Qty
1	SB9006-0001	Steel Screen	1
2	SB9006-0002	Fluorescent Tube	1
3	SB9006-0003	End Connector	1
4	SB9006-0004	Plastic Cover	2
5	SB9006-0005	Input Cable Assembly	1
6	SB9006-0006	Cable Clamp	1
7	SB9006-0007	Adapter	1
8	SB9006-0008/9	Filter	1
10	SB9006-0010	Retaining Disc	1
11	SB9006-0011	Rubber Gloves Pair	2
12	SB9006-0012	Clamp	2
13	SB9006-0013	Lid	1
14	SB9006-0014	Knob	2
15	SB9006-0015	Lid Retaining Chain M4	1
16	SB9006-0016	Window Retaining Strip	1
17	SB9006-0017	Protective Film (replaceable)	1
18	SB9006-0018	Lid Hinge	2
19	SB9006-0019	Fluorescent Tube Clip	2
20A	SB9006-0020A	Foam Filter	1
20B	SB9006-0020B	Air Vent	1
21	SB9006-0021	Lid Swivel Clamp	2
22	SB9006-0022	Cable Transformer Box	1
23	SB9006-0023	Cabinet Only (w/out lid)	1
24	SB9006-0024	Nozzle adapter nut	1
25	SB9006-0025-4	Nozzle 4mm	1
25	SB9006-0025-5	Nozzle 5mm	1
25	SB9006-0025-6	Nozzle 6mm	1
25	SB9006-0025-7	Nozzle 7mm	1
29	SB9006-0029	Gun	1
30	SB9006-0030	Air Hose Adapter	1
31	SB9006-0031	Small Hose Clamp	2
32	SB9006-0032	Air Hose	1
33	SB9006-0033	Flat Washer	6
34	SB9006-0034	Air Adapter Nut	1
35	SB9006-0035	Large Hose Clamp	2
36	SB9006-0036	Abrasive Intake Hose	1
37	SB9006-0037	Abrasive Pick Up Tube	1
38	SB9006-0038	Plug	1
39	SB9006-0039	Feet	4
40	SB9006-0040	Switch	1
41	SB9006-0041	Screw M4*20	1
42	SB9006-0042	Plug Adapter	1
43	SB9006-0043	Screw M2*15	2
44	SB9006-0044	Hex Nut M2	2
45	SB9006-0045	Nut	1
46	SB9006-0046	Clamp	2
47	SB9006-0047	Screw M4*10	2
48	SB9006-0048	Screw M6*25	6
49	SB9006-0049	Connector	1
50	SB9006-0050	Hex Nut	1
51	SB9006-0051	Washer	4

Specifications

Item	Part Number	Description	Qty
52	SB9006-0052	Rubber Washer	1
53	SB9006-0053	Screw M4*20	1
54	SB9006-0054	Screw M4*10	2
55	SB9006-0055	Rivet	2
56	SB9006-0056	Hex Nut	6
57	SB9006-0057	Steel Screen Bracket	2
58	SB9006-0058	Screw M6*15	1

Warranty

Warranty

CHAMPION POWER EQUIPMENT ONE YEAR LIMITED WARRANTY

Effective September 1, 2006. Replaces all undated warranties and all warranties dated before September 1, 2006.

Warranty Qualifications

Champion Power Equipment (CPE) will register this warranty upon receipt of your Warranty Registration Card and a copy of your sales receipt from one of CPE's retail locations as proof of purchase.

Please submit your warranty registration and your proof of purchase within ten (10) days of the date of purchase.

Repair/Replacement Warranty

CPE warrants to the original purchaser that the mechanical and electrical components will be free of defects in material and workmanship for a period of one (1) year from the original date of purchase (90 days for commercial & industrial use). Transportation charges on product submitted for repair or replacement under this warranty are the sole responsibility of the purchaser. This warranty only applies to the original purchaser and is not transferable.

Do not return the unit to the place of purchase

Contact CPE's Technical Service and CPE will troubleshoot any issue via phone or e-mail. If the problem is not corrected by this method, CPE will, at its option, authorize evaluation, repair or replacement of the defective part or component at a CPE Service Center. CPE will provide you with a case number for warranty service. Please keep it for future reference. Repairs or replacements without prior authorization, or at an unauthorized repair facility, will not be covered by this warranty.

Warranty Exclusions

This warranty does not cover the following repairs and equipment:

Normal Wear

Abrasive blast cabinets need periodic parts and service to perform well. This warranty does not cover repair when normal use has exhausted the life of a part or the equipment as a whole.

Installation, Use and Maintenance

This warranty will not apply to parts and/or labor if this abrasive blast cabinet is deemed to have been misused, neglected, involved in an accident, abused, loaded beyond the tank's limits, modified, installed improperly or connected incorrectly to any electrical component. Normal maintenance is not covered by this warranty.

Other Exclusions

This warranty excludes:
Cosmetic defects such as paint, decals, etc.
Accessory parts such as storage covers.
Failures due to acts of God and other force majeure events beyond the manufacturer's control.
Problems cause by parts that are not original Champion Power Equipment parts.

Limits of Implied Warranty and Consequential Damage

Champion Power Equipment disclaims any obligation to cover any loss of time, use of this product, freight, or any incidental or consequential claim by anyone from using this winch. **THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE**

A unit provided as an exchange will be subject to the warranty of the original unit. The length of the warranty governing the exchanged unit will remain calculated by reference to the purchase date of the original unit.

This warranty gives you certain legal rights which may change from state to state. Your state may also have other rights you may be entitled to that are not listed within this warranty.

Contact Information

Address

Champion Power Equipment, Inc.
Customer Service
10006 Santa Fe Springs Rd.
Santa Fe Springs, CA 90670

Customer Service

Mon – Fri 8:30 AM – 5:00 PM (PST/PDT)
Toll Free: 1-877-338-0999
Fax no.: 1-562-236-9429

Technical Service

Mon – Fri 8:30 AM – 5:00 PM (PST/PDT)
Toll Free: 1-877-338-0999
tech@championpowerequipment.com

Notes

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