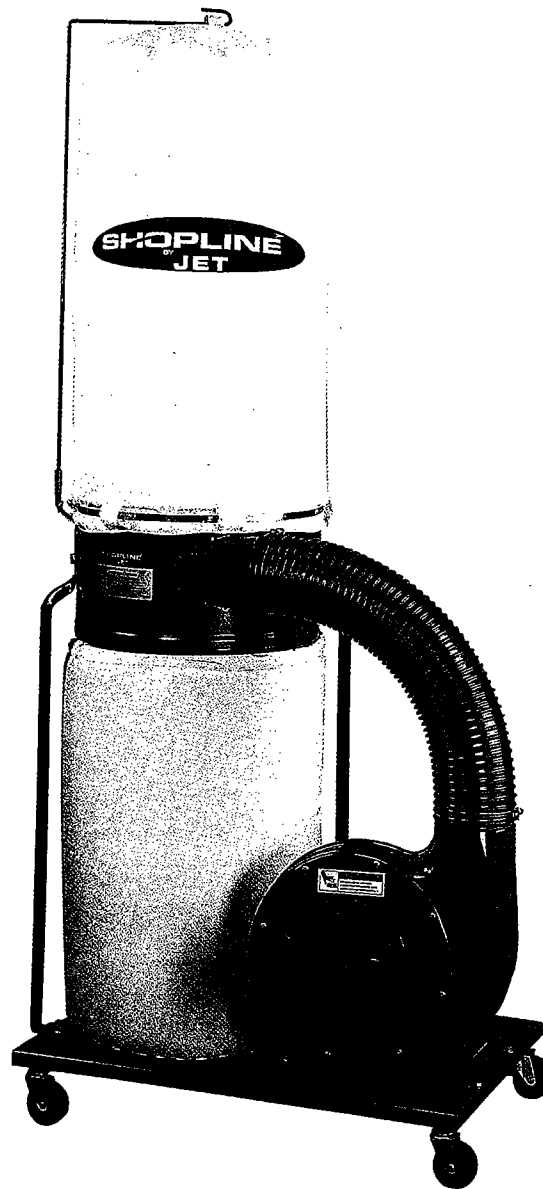


**J E T**  
EQUIPMENT & TOOLS

**FILE**

**OPERATOR'S MANUAL**  
**JSL-DC1100 Dust Collector**



**JET EQUIPMENT & TOOLS, INC.**  
A WMH Company

P.O. BOX 1349  
Auburn, WA 98071-1349

253-351-6000  
Fax 253-939-8001  
M-708907 10-98

# FILE

DC-1100

## WARNING

1. **Read and understand the entire contents of this manual before attempting assembly or operation. Do not use this machine until proper training and knowledge has been obtained.**
2. Do not leave appliance when plugged in. Unplug from outlet when not in use and before servicing.
3. Do not use outdoors or on wet surfaces.
4. Do not allow to be used as a toy. Close attention is necessary when used near children.
5. Use only as described in this manual. Use only manufacturer's recommended attachments.
6. Do not use with damaged cord or plug. If appliance is not working as it should, has been dropped, damaged, left outdoor, or dropped into water, return it to a service center.
7. Do not pull or carry by cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
8. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
9. Do not handle plug or appliance with wet hands.
10. Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
11. Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
12. Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
13. Do not use without dust bag and/or filters in place.
14. Turn off all controls before unplugging.
15. Use extra care when cleaning on stairs.
16. Do not use to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.
17. Do not operate without hose connected to suction chute. Hazardous moving parts inside. Unplug before removing suction chute.
18. Make sure the 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. An undersize cord will cause a drop in the line voltage resulting in loss of power and overheating. The table below shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.

Total Length of Cord in Feet		Gauge of Extension Cord
115 Volt	230 Volt	
25	50	14 AWG
50	100	12 AWG
100	200	Not Recommended
150	300	Not Recommended

**SAVE THESE INSTRUCTIONS**

## Grounding Instructions

**Caution: This tool must be grounded while in use to protect the operator from electric shock.**

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

Do not modify the plug provided. If it will not fit the outlet, have the proper outlet installed by a qualified electrician.

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor, with insulation having an outer surface that is green with or without yellow stripes, is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.

Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded. Use only three wire extension cords that have three-prong grounding plugs and three-pole receptacles that accept the tool's plug.

Repair or replace a damaged or worn cord immediately.

### 115 Volt Operation

As received from the factory, your dust collector is ready to run at 115 volt operation. This dust collector, when wired for 115 volt, is intended for use on a circuit that has an outlet and a plug that looks the one illustrated in Figure A. A temporary adapter, which looks like the adapter as illustrated in Figure B, may be used to connect this plug to a two-pole receptacle, as shown in Figure B if a properly grounded outlet is not available. The temporary adapter should only be used until a properly grounded outlet can be installed by a qualified electrician. **This adapter is not applicable in Canada.** The green colored rigid ear, lug, or tab, extending from the adapter, must be connected to a permanent ground such as a properly grounded outlet box, as shown in Figure B.

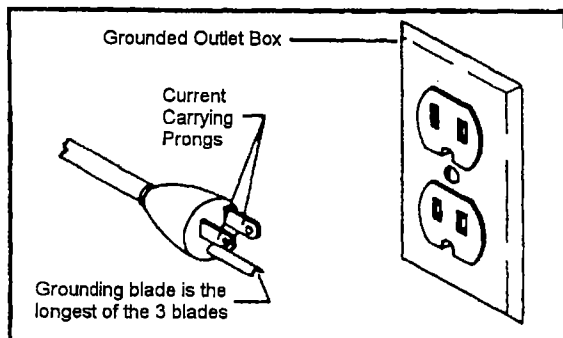


Fig. A

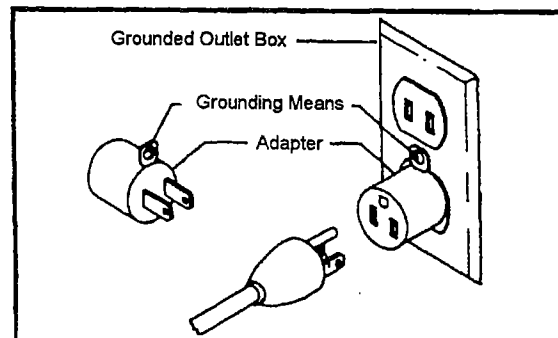


Fig. B

## 230 Volt Operation

If 230V, single phase operation is desired, the following instructions must be followed:

1. Disconnect the machine from the power source.
2. This dust collector is supplied with four motor leads that are connected for 115V operation, as shown in Figure C. Reconnect these four motor leads for 230V operation, as shown in Figure D.
3. The 115V attachment plug, supplied with the dust collector, must be replaced with a UL/CSA listed plug suitable for 230V operation. This plug is illustrated in Fig. E. Contact your local Authorized JET Service Center or qualified electrician for proper procedures to install the plug. The dust collector must comply with all local and national codes after the 230 volt plug is installed.
4. The dust collector with a 230 volt plug should only be connected to an outlet having the same configuration as illustrated by the grounded outlet box in Figure E. No adapter is available or should be used with the 230 volt plug.

**Important: In all cases (115 or 230 volts), make certain the receptacle in question is properly grounded. If you are not sure, have a registered electrician check the receptacle.**

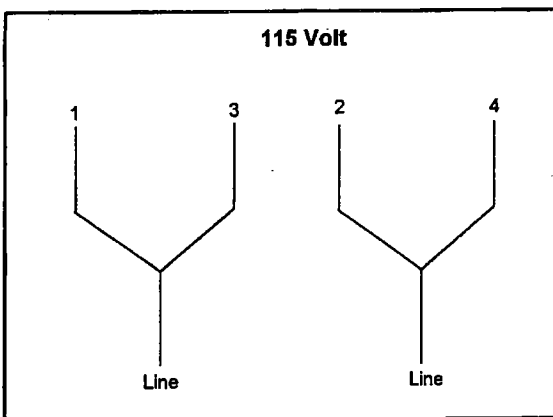


Fig. C

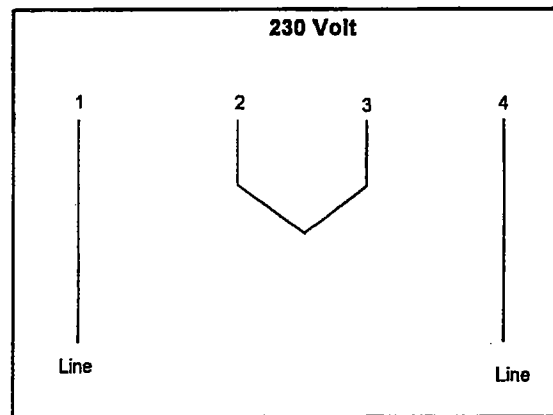


Fig. D

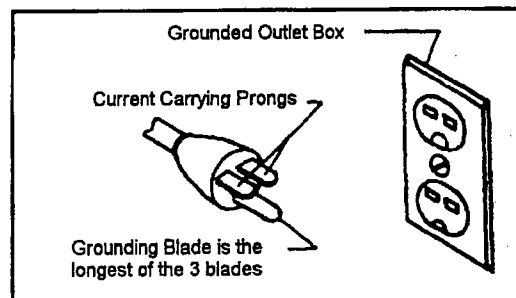


Fig. E

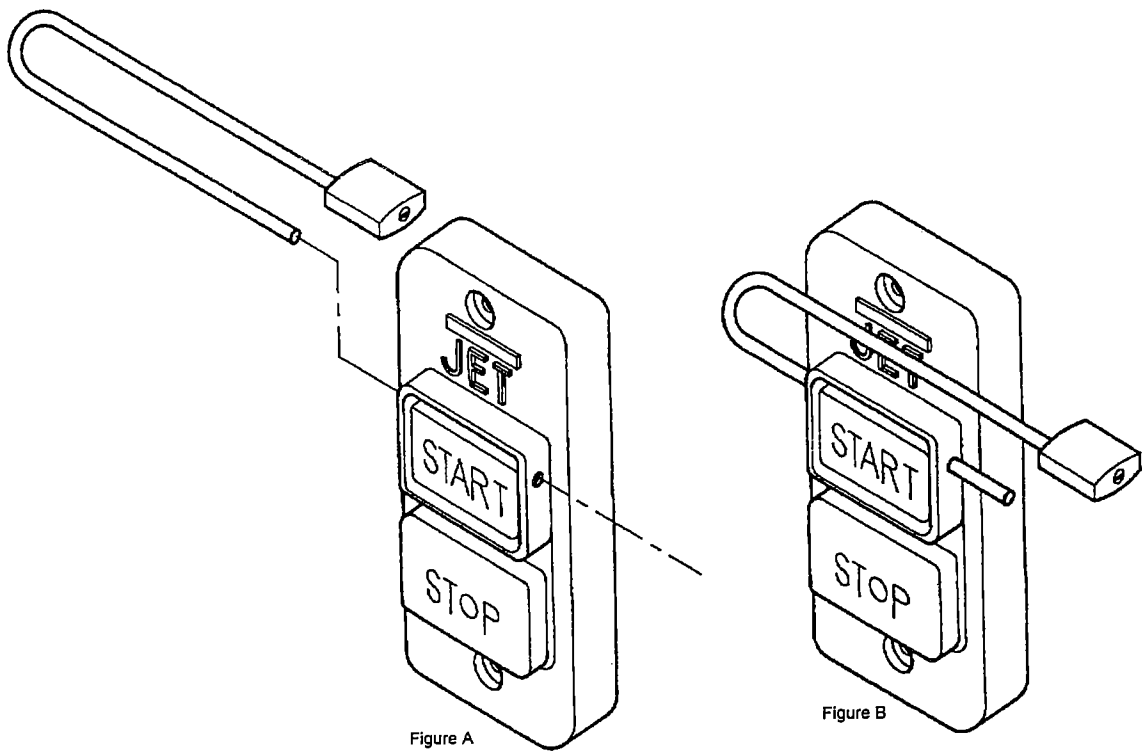
# FILE

DC-1100

## On-Off Switch Padlock

Model No. PB-1, Stock No. 709012

To safeguard your machine from unauthorized operation and to avoid accidental starting by young children, the use of a padlock is highly recommended. JET model PB-1 is available from your local authorized JET distributor or by calling JET Equipment & Tools at 800-274-6848.



To lock out an on-off switch:

1. Open the padlock. See Fig. A.
2. Insert through holes in the start button. See Fig. B
3. Close the padlock.
4. Place the key in a safe place.

## Specifications:

Stock Number .....	708907
Blower Wheel Diameter .....	11" Steel
Sound Rating .....	80-85 dB
Hose Diameter .....	4" & 6"
Air Flow .....	1100 CFM
Velocity .....	8,464 FPM
Static Pressure .....	11 Inch/Water
Bag Diameter .....	18"
Collector Bag Capacity .....	5.1 Cubic Feet
Overall Dimensions .....	37"L x 27"W x 79"H
Motor .....	1 1/2 HP, 1Ph TEFC
.....	115/230V Prewired 115V
Net Weight (approx.) .....	103 Lbs.
Shipping Weight (approx.) .....	110 Lbs.

## Table of Contents

### Page

Warranty .....	1
Warning .....	2
Electrical Requirements .....	3-4
On-Off Switch .....	5
Specifications .....	6
Table of Contents .....	6
Unpacking JSL-DC1100 .....	7
Assembly .....	8-10
Electrical Connections .....	11
Operational Hints .....	11
Parts Breakdown .....	12
Parts List .....	13-14
Electrical Schematic .....	15

The specifications in this manual are given as general information and are not binding. JET Equipment & Tools reserves the right to effect, at any time and without prior notice, changes or alterations to parts, fittings, and accessory equipment deemed necessary for any reason whatsoever.

M8 Flat Washer



M8x16 Hex Head Bolt



M8 Hex Nut



M6x12 Pan Head Bolt



**⚠ WARNING**  
Read and understand the entire contents of the manual before attempting assembly or operation of the dust collector!  
Failure to comply may cause serious injury!

## Unpacking

1. Finish removing all contents from the shipping carton.
2. Report any damage to your distributor.
3. Do not discard any shipping material until after the dust collector has been assembled and is running properly.

## Contents of the Shipping Carton

- |  |                         |
|--|-------------------------|
| 1 Bag Hanger   | 1 Warranty Card         |
| 1 Base   | 1 Hardware Detail Sheet |
| 1 Plastic Cover  | 4 Casters               |
| 1 Hanger Bracket   | 1 Inlet Cover & Adapter |
| 1 Hose   | 3 Support Legs          |
| 1 Operator's Manual                                      |                         |
| 1 Motor/Fan Assembly                                     |                         |
| 1 Collector Bag  |                         |
| 1 Filter Bag (SHOPLINE Logo)                             |                         |
| 2 Hose Clamps  |                         |
| 1 Retainer Strap   |                         |
| 1 Bag of Assembly Hardware (See Parts List for Contents) |                         |

## Tools Required for Assembly

6"-8" Adjustable Wrench or 13mm & 14mm wrenches.

#2 Cross Point Screw Driver



# FILE

DC-1100

## Assembly

1. Install four casters to the under side as pictured in Fig. 1. Thread the hex nut (B, Fig. 1) onto the caster shaft. Then slide the lock washer (A, Fig. 1) over the caster shaft. Thread the caster shaft into the threaded hole on the underside of the base, turn until snug. Tighten the nut (B, Fig. 1) with a wrench. This will give the caster proper clearance.

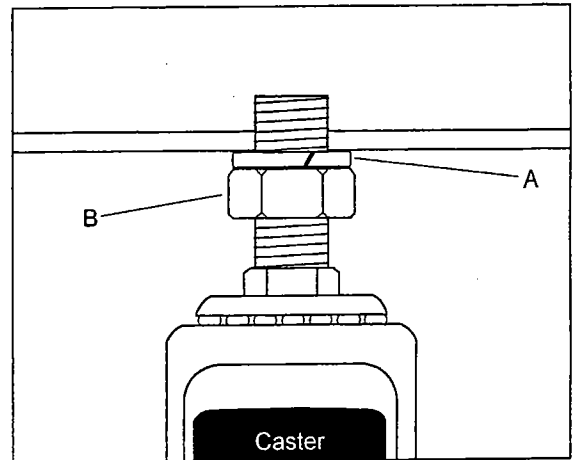


Fig. 1

2. Place the base with casters on the ground. Attach the motor and fan assembly (A, Fig. 2) to the base using four M8 x 16 hex cap bolts and four M8 flat washers (B, Fig. 2).

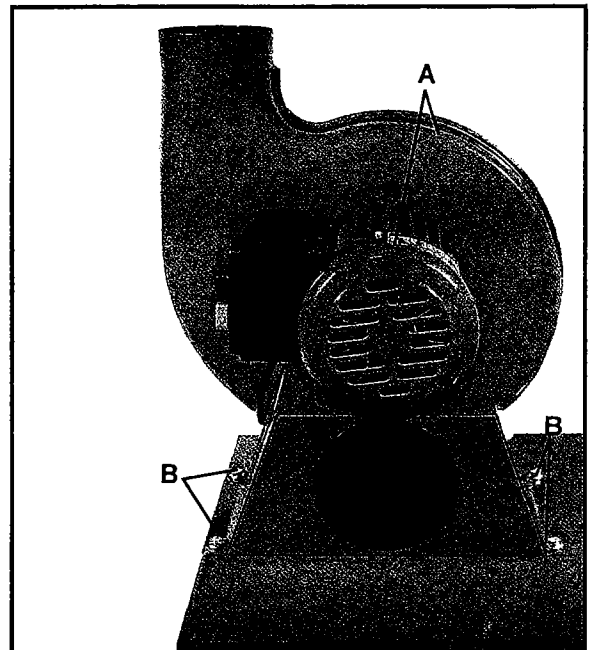


Fig. 2

**⚠ WARNING**  
The dust collector must be disconnected from the power source. Failure to comply may result in serious injury!

3. Attach inlet cover (A, Fig. 3) to fan housing using eight M6 x 12 pan head screws (B, Fig. 3).

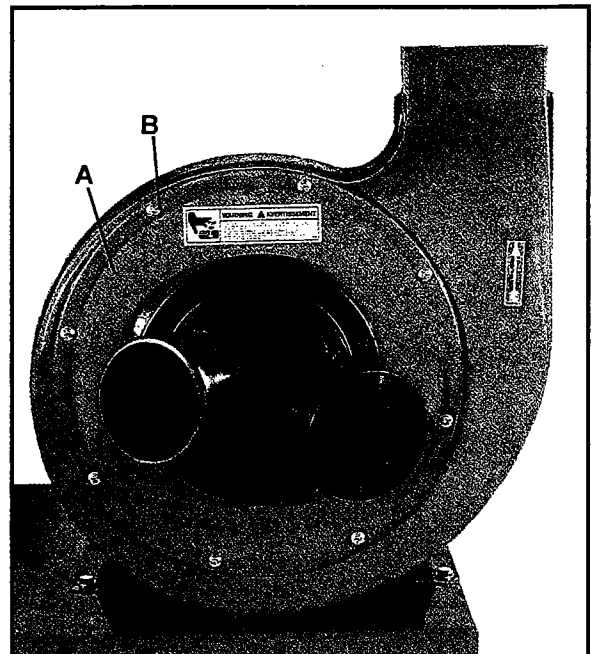


Fig. 3



4. Attach three support brackets (A, Fig. 4) to base using six M8 x 16 hex cap bolts and six M8 flat washers (B, Fig. 4). Hand tighten only at this time.

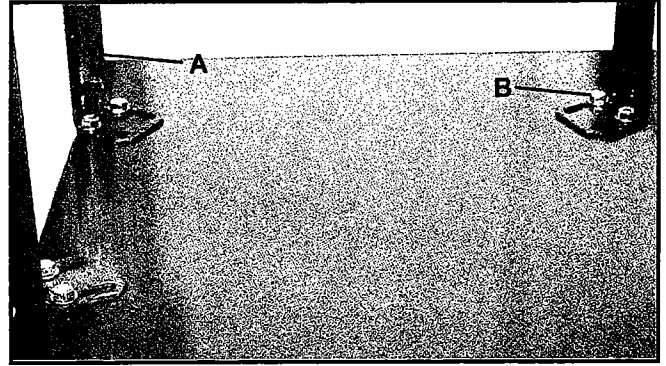


Fig. 4

5. Install the housing (A, Fig. 5) to three support brackets using six M8 x 16 hex cap bolts, twelve M8 flat washers, and six M8 hex nuts (B, Fig.5). Be sure hose opening faces fan housing. Before attaching third support bracket place the hanger bracket (C, Fig.5) between the support bracket and the housing. Tighten all nuts and bolts at this time.

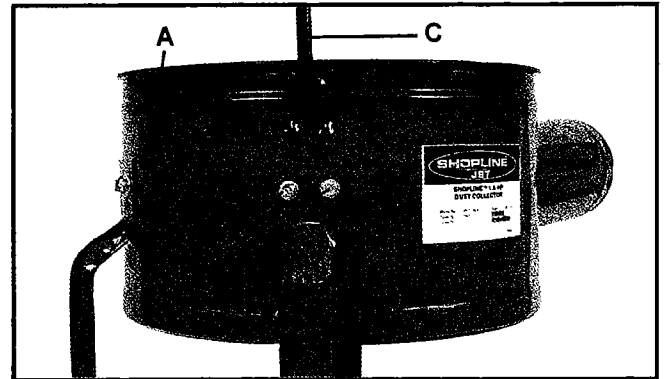


Fig. 5

6. Attach the hose (A, Fig. 6) between the fan housing and the collector housing with two clamps (B, Fig. 6). Tighten the clamps to secure the hose.

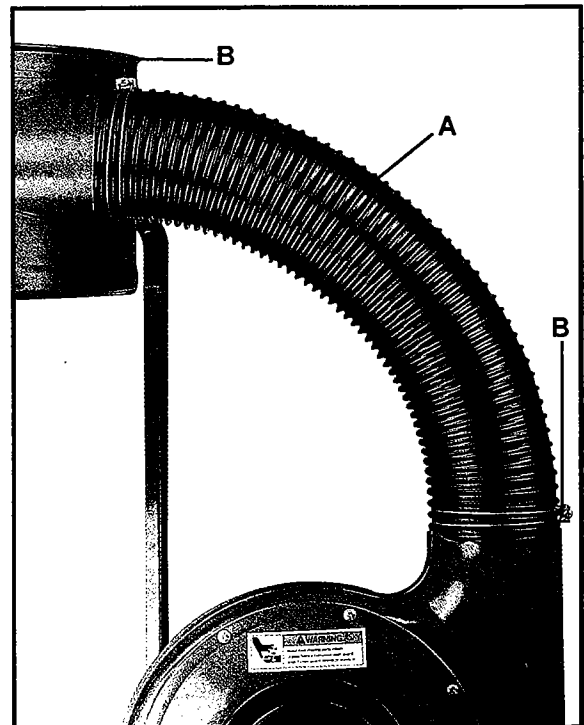


Fig. 6

- Slide the hook on the bag hanger (A, Fig. 7) through the top loop on the filter bag (SHOPLINE logo). Insert the hanger into the hanger bracket (B, Fig. 7). Thread the retainer strap (C, Fig. 7) through the loops on the filter bag (D, Fig. 7), and fasten to the collector housing. The retainer strap should be tight enough to provide a good seal.

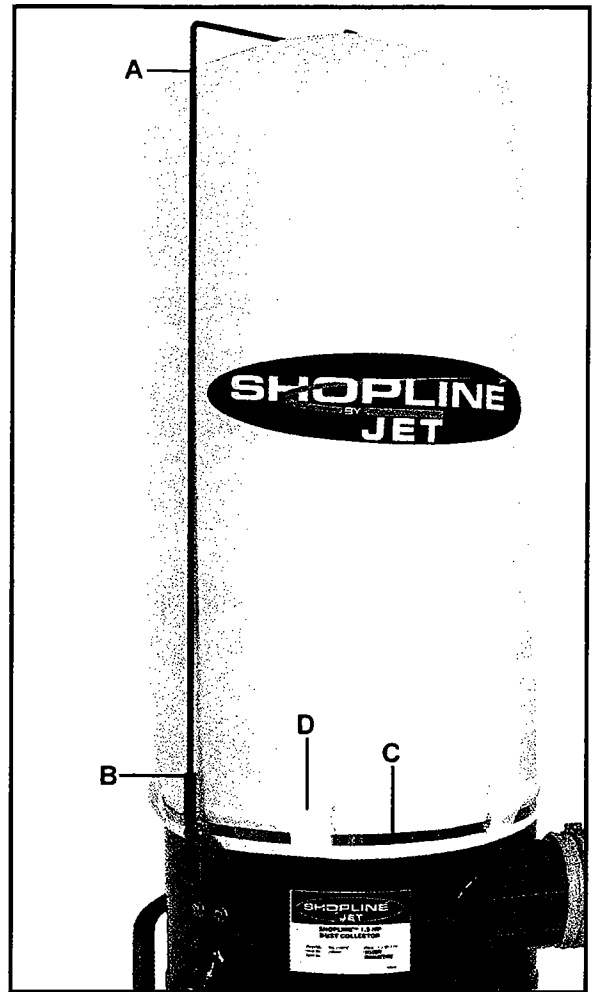


Fig. 7

- Place the ring (A, Fig. 8) of the collector bag into the bottom of the housing. Pull on the bag to make sure it "seats" in the housing.

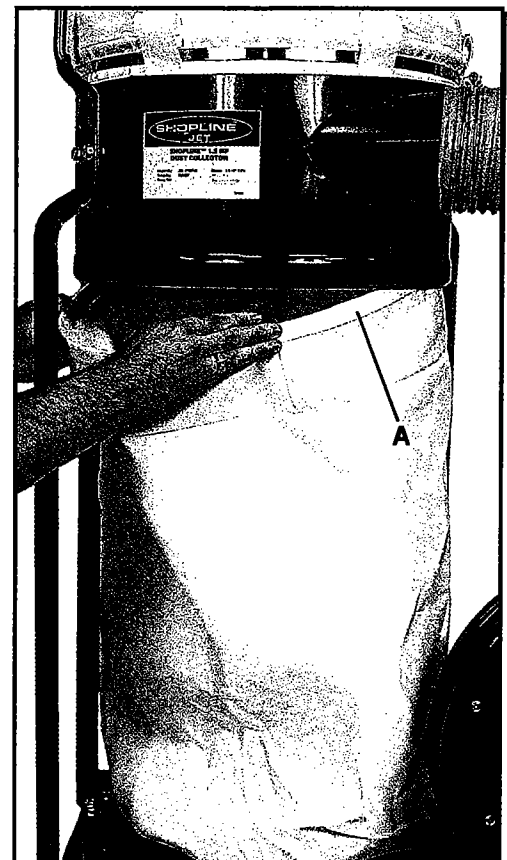


Fig. 8

## Electrical Connections

 **WARNING**

**All electrical connections must be done by a qualified electrician.  
All adjustments or repairs must be done with the dust collector disconnect from the power source. Failure to comply may result in serious injury!**

The JSL-DC1100 dust collector is rated at 115/230V and comes from the factory prewired at 115V.

Before hooking up to the power source, make sure that the switch is in the off position.

### Operational Hints

During first use and after cleaning, the filter bag may allow some dust to escape. This is normal and will stop after a short period of time.

 **WARNING**

**Wearing a particle mask/respirator for protection against fine dust particles during cleaning is highly recommended.**

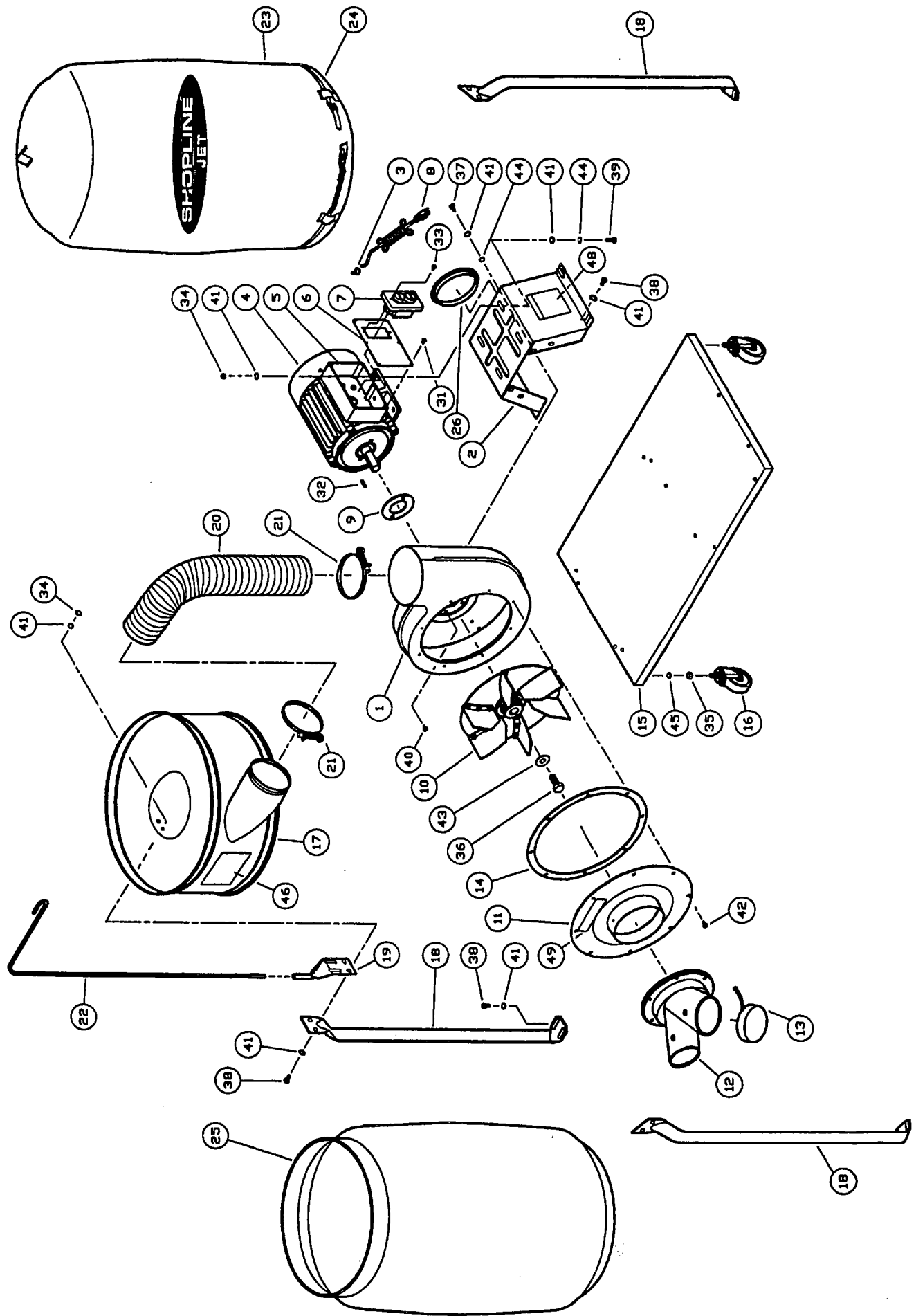
Clean both the filter and collector bags frequently to keep the collector's performance at its optimum. To clean:

1. **Disconnect the machine from the power source.**
2. Loosen the retaining strap, remove the bag from the housing, and empty the contents.
3. Turn the bag inside out and shake vigorously.
4. Turn the bag outside in and re-attach to the housing using the retainer strap to secure.
5. Connect the machine to the power source.

Use the proper type hose to connect the dust collector to the machine being operated. Dryer vent hose is not acceptable for this purpose. Contact your nearest JET distributor for the full line of JET Dust Collector Hoses and Accessories. Customize your installation and obtain maximum performance with JET's dust hoods, hoses, clamps, fittings, and blast gates.

DC-1100

FILE



# FILE

## Parts List for the JSL-~~951100~~ Dust Collector

Index No.	Part No.	Description	Size	Qty.
1	411035	Fan Housing		1
2	411026	Motor Bracket		1
3	998621	Strain Relief		1
4	MA2041J1	Motor		1
5	411051	Switch Box		1
6	411053	Switch Plate		1
7	994542U	Switch		1
8	999910	Power Cord		1
9	420051	Motor Gasket		1
10	AB411040	Fan Complete		1
11	411036	Inlet Cover		1
12	427028	Hose Adapter		1
13	420203	Plastic Cap		1
14	430034	Rubber Inlet Gasket		1
15	411041	Base		1
16	402036	Caster		4
17	411031	Housing		1
18	402004	Support Bracket		3
19	523011	Hanger Bracket		1
20	411009	Hose		1
21	420010	Clamp		2
22	402040	Hanger		1
23	411032	Filter Bag		1
24	AB411012	Retainer Strap		1
25	411033	Collector Bag		1
26	450038	Plastic Cover		1
31	ST050204	Tapping Screw	M5x10	6
32	KS050525	Key	5x5x25	1
33	ST059200	Tapping Screw	M5x8	2
34	TS-1540061	Nut*	M8	10
35	TS-0561031	Nut	3/8	4
36	SH080402	Hex Head Bolt (L)	M8x20	1
37	TS-1490011	Hex Head Bolt	M8x12	4
38	TS-1490021	Hex Head Bolt*	M8x16	16
39	TS-1490041	Hex Head Bolt	M8x25	4
40	TS-1554041	Pan Head Screw	M6x12	2
41	TS-0680031	Flat Washer*	M8x18	34
42	TS-1554041	Pan Head Screw*	M6x12	8
43	WF083030	Flat Washer	M8x30	1
44	TS-0720081	Lock Washer	M8	8
45	TS-0680041	Lock Washer	3/8	4
46	999912	Machine Label (housing)		1
48	DC1100-48	Warning Label (motor bracket)		1
49	DC1100-49	Warning Label (inlet cover)		1
	C-400125	Capacitor 400MFD 125VAC (not shown)		1
	C-020250	Capacitor 20MFD 250VAC (not shown)		1
	DC1100-50	Motor Fan Cover (not shown)		1

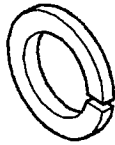
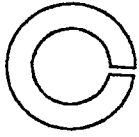
DC-1100

**FILE**

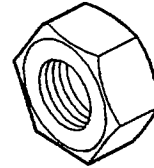
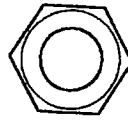
.....DC1100-51 .....	Motor Fan (not shown).....	1	
.....DC1100-52 .....	Centrifugal Switch (not shown) .....	1	
.....DC1100-53 .....	Centrifugal Switch Rotor (not Shown).....	1	
* .....	DC1100-HP .....	Hardware Package (not shown) .....	1

\* Included in Hardware Package

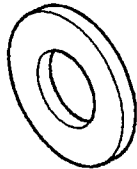
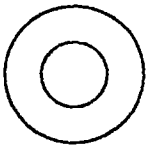
## JSL-1100DC Hardware Package Details



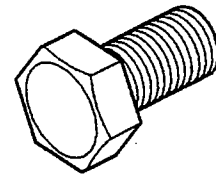
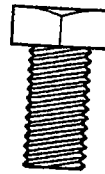
4 – 3/8" Lock Washer  
Caster to Base ( Pre Assembled to Caster )



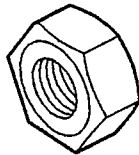
4 – 3/8" Hex Nut  
Caster to Base ( Pre Assembled to Caster )



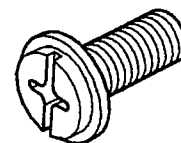
22 – M8 Flat Washer  
(4) – Motor Bracket [ Index # 2 ] to Base  
[ Index # 15 ]  
(6) – Support Bracket [ Index # 18 ] to Base  
[ Index # 15 ]  
(12) – Support Bracket [ Index # 18 ] to Housing  
[ Index # 17 ]



16 – M8 x 16 Hex Head Bolt  
(4) – Motor Bracket [ Index # 2 ] to Base  
[ Index # 15 ]  
(6) – Support Bracket [ Index # 18 ] to Base  
[ Index # 15 ]  
(6) – Support Bracket [ Index # 18 ] to Housing  
[ Index # 17 ] and Hanger Bracket [ Index # 19 ]



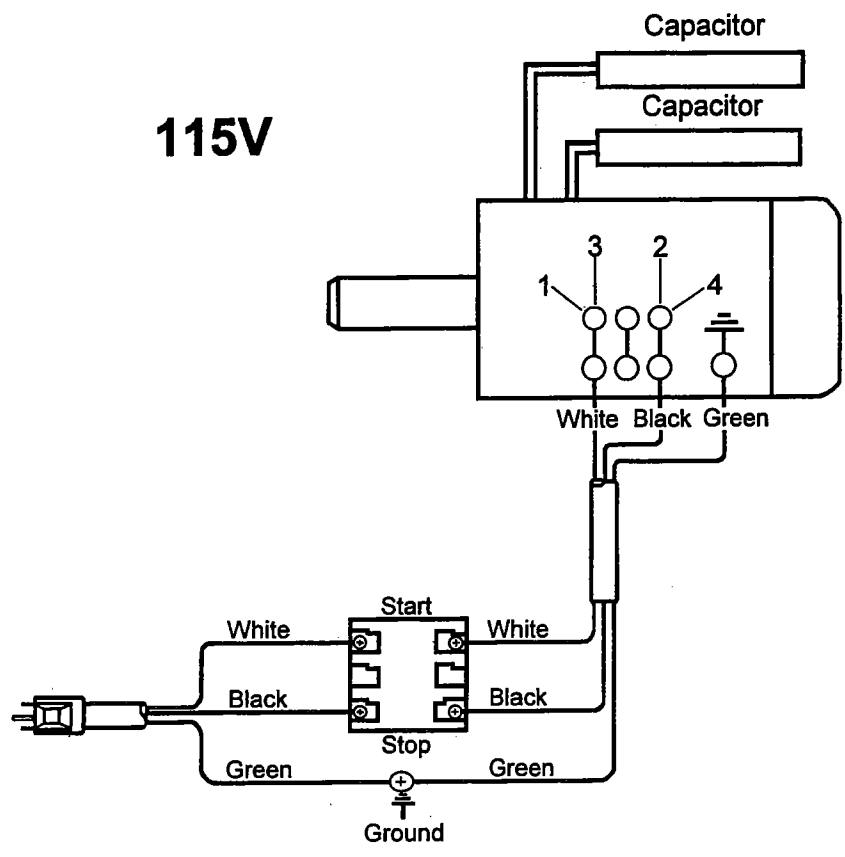
6 – M8 Hex Nut  
(6) Support Bracket [ Index # 18 ] to Housing  
[ Index # 17 ]



8 – M6 x 12 Pan Head Bolt  
(8) Inlet Cover [ Index # 11 ] to Impeller Housing  
[ Index # 1 ]

**FILE**  
DC-1100

**115V**



**230V**

