



7140 Dust Collector

Owner's Manual



Oliver Machinery

Seattle, WA
info@olivermachinery.net

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**WARNING!**

- Do not operate this unit until the PVC hose is installed onto the dust inlet port.

**WARNING!**

- Do not vacuum or use this Dust Collection System near flammable or combustible liquids, gases, gasoline or other fuels, lighter fluid, cleaners, oil-based paints, natural gas, hydrogen, or explosive dusts like coal dust, magnesium dust, grain dust, or gun powder.

ADDITIONAL SAFETY RULES FOR DUST COLLECTOR

IMPORTANT SAFETY INSTRUCTIONS

When using your Dust Collection System, follow basic safety precautions including the following.

WARNING : To reduce the risk of fire, electric shock or injury:

- Read and understand this owner's manual and all labels on the Dust Collection System before operating. Use only as described in this manual. To avoid personal injury or damage to Dust Collection System, use only recommended accessories.

Sparks inside the electrical parts can ignite flammable vapors or dust. To avoid fire or explosion:

- Do not vacuum or use this Dust Collection System near flammable or combustible liquids, gases, gasoline or other fuels, lighter fluid, cleaners, oil-based paints, natural gas, hydrogen, or explosive dusts like coal dust, magnesium dust, grain dust, or gun powder.
- Do not vacuum anything that is burning or smoking, such as cigarettes, matches or hot ashes.
- To avoid health hazards from vapors or dusts, do not vacuum toxic materials.
- Do not use or store near hazardous materials.
- Do not use outdoors or on wet surfaces.
- Put unit on a stable, level surface.
- Route vacuum hose and electric cord out of traffic areas.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Do not leave appliance plugged in. Unplug from outlet when not in use and before servicing.

- To avoid injury from accidental starting, unplug power cord before changing or cleaning filter/ dust bag or chip bag.
- Do not use without filter/dust bag and or chip bag in place.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Turn off controls before unplugging.
- Do not use with damaged cord, plug or other parts. If your Dust Collection System is not working as it should, has missing parts, has been dropped, damaged, left outdoors, or dropped into water, return it to Service Center.
- Do not pull or carry by cord, use cord as handle, close a door on cord, or pull cord around sharp edges or corners. Do not run Dust Collection System over cord. Keep cord away from heated surfaces.
- Do not handle plug of the Dust Collection System with wet hands.
- Do not put any object into ventilation openings. Do not vacuum with any ventilation openings blocked. Keep free of dust, lint, hair or anything that may reduce air flow.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Extension cords in poor condition or that are too small can pose fire and shock hazards. When using an extension cord, be sure it is in good condition. See "Extension Cords" in the "Operation" section for proper wire sizes.
- Connect to properly, grounded outlet only (See "Grounding instructions" on page 11.)

SAVE THESE INSTRUCTIONS

SAFETY RULES FOR WORKING EQUIPMENT

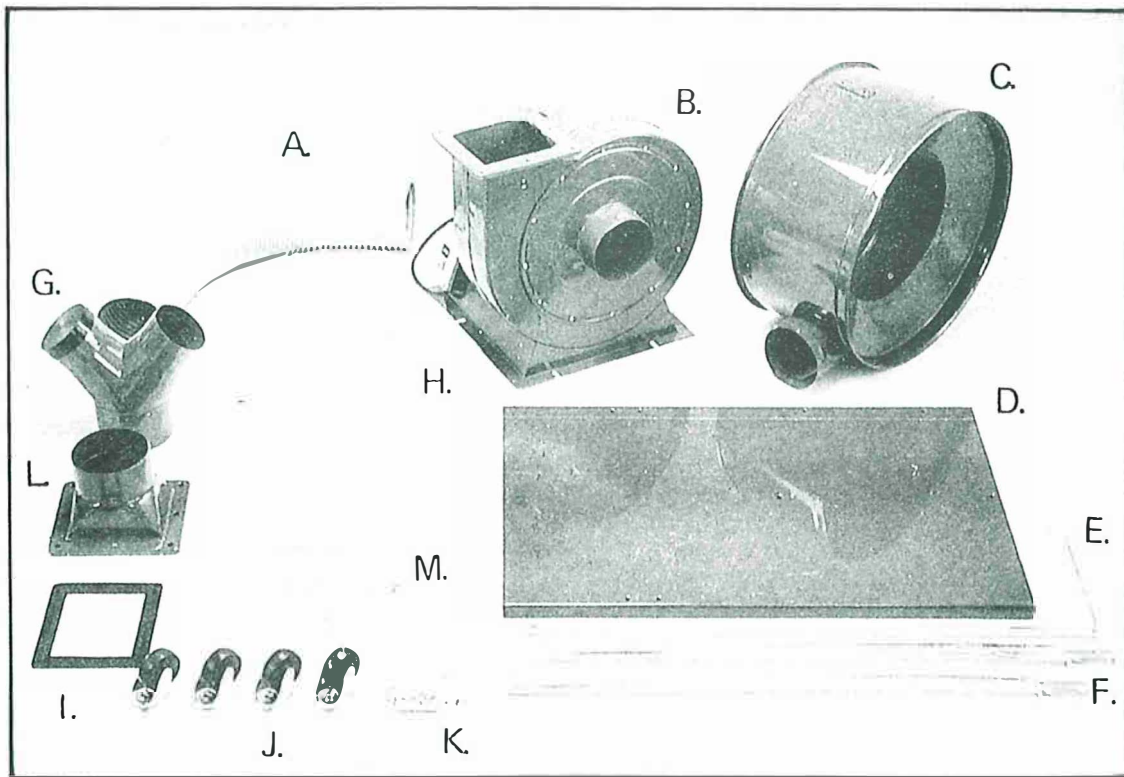
- 1. READ AND BECOME FAMILIAR** with the entire operating manual.
- 2. KEEP GUARDS AND COVER** in place and working order.
- 3. ALWAYS USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty. Everyday eye glasses only have impact resistant lenses, they are not safety glasses.
- 4. KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
- 5. DON'T FORCE TOOL.** It will do a better and safer job at the rate for which it was designed.
- 6. AVOID ACCIDENTAL STARTING.** Make sure switch is in "OFF" position before plugging in cord.
- 7. DISCONNECT TOOLS BEFORE SERVICING** and when changing accessories such as blades, cutters.
- 8. DON'T OVER REACH.** Keep your proper footing and balance at all times. For best footing wear rubber soled footwear. Keep floor clear of oil, scrap wood, etc.
- 9. WEAR PROPER APPAREL.** Loose clothing or jewelry may get caught in moving parts. Wear protective hair covering to contain long hair.
- 10. MAKE WORKSHOP CHILD PROOF.** Place a padlock on the switch when blade saw is not in use and store the key in a safe location.
- 11. REMOVE ADJUSTING KEYS AND WRENCHES.** Form the habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
- 12. AVOID DANGEROUS ENVIRONMENT.** Don't use power tools in damp or wet locations. Keep your work area well illuminated DO NOT USE in explosive atmosphere (around paint, flammable liquids, etc.)
- 13. KEEP CHILDREN AWAY.** All visitors should be kept a safe distance from work area, especially while operating unit.
- 14. USE THE PROPER TOOL.** Don't force tool or attachment to do a job for which it was not designed.
- 15. MAINTAIN TOOLS IN TOP CONDITION.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- 16. SECURE YOUR WORK.** Use clamps or a vise to hold work, when practical. It's safer than using your hand and prevents round or irregularly shaped pieces from turning.
- 17. CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be checked to assure that it will operate properly and perform its intended function check alignment of moving parts, breakage of parts, mounting or any other conditions that may affect its operations. A guard or other part that is damaged should be properly repaired or replaced.
- 18. USE RECOMMENDED ACCESSORIES** Consult Owner's Manual. Use of improper accessories could be hazardous.
- 19. NEVER STAND ON TOOL.** Injury could occur from a fall.
- 20. NEVER LEAVE TOOL RUNNING AND UNATTENDED.**
- 21. ALWAYS REMOVE CORD PLUG** from electrical outlet when adjusting, changing parts working on tool.

SPECIFICATIONS

| | |
|---|--------------|
| Fan..... | 12" |
| Noise (dB)..... | 67-87 |
| Diameter of Hose Connections: Inlet..... | 5" |
| Diameter of Hose Connections: Outlet..... | 4"x 2 |
| Capacity (CFM)..... | 1059 |
| Static Pressure (in, H ₂ O)..... | 8.27 |
| Motor (HP)..... | 2 |
| Net Weight (kg)..... | 56 |
| Gross Weight (kg)..... | 61 |
| Packing Size (cm)..... | 92 x 58 x 58 |
| Cu. ft..... | 11 |
| Container 20 ft. (set) | 96 |

UNPACKING AND CHECKING CONTENTS

Unpack carton, check machine, to see parts listed Below :



- A. HOSE
- B. COLLECTOR BODY & FAN/MOTOR ASSEMBLY
- C. COLLECTOR BODY
- D. BASE PLATE
- E. UPPER BAG SUPPORT
- F. SUPPORT
- G. INLET
- H. TWO BAGS
- I. PACKING
- J. FOUR CASTERS
- K. NUTS, SCREWS, WASHERS, SPRING WASHERS, AND WRENCH
- L. OUTLET
- M. TWO HOSE CLAMP

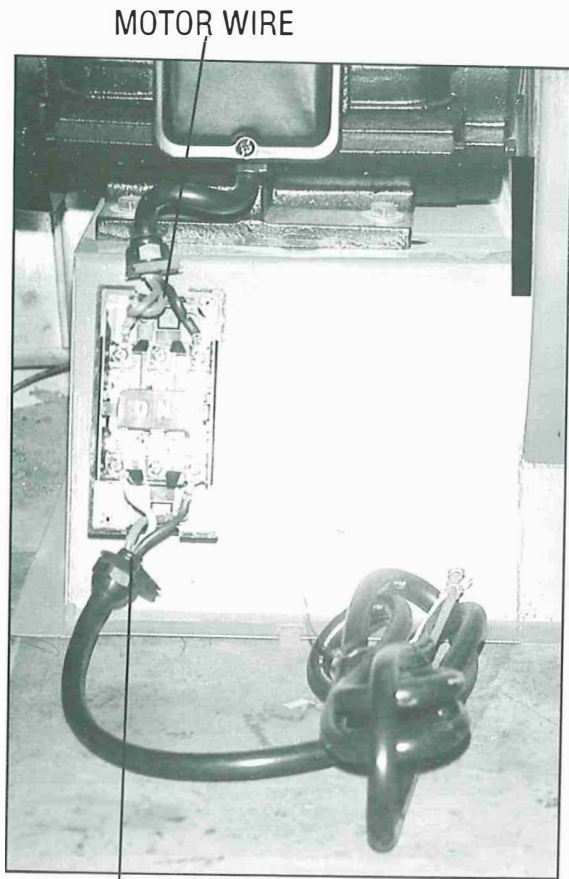
LOOSE PARTS BAG

Allen wrench (ø5 mm).....1 piece

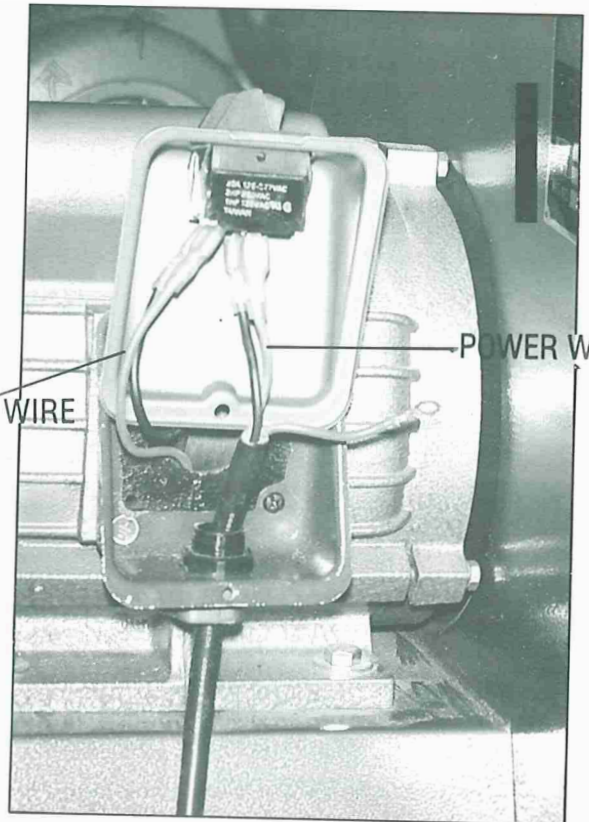
Open end wrench 10 x 12.....1 piece

POWER SWITCH WIRING DIAGRAM

17412



POWER WIRE



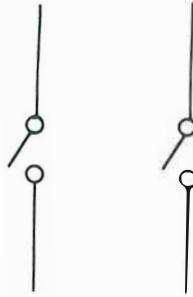
MOTOR WIRE

POWER WIRE

SWITCH WIRING DIAGRAM

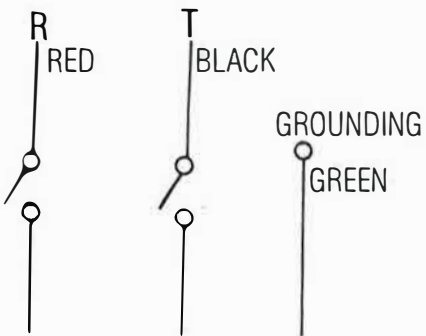
TOGGLE SWITCH

1 ϕ

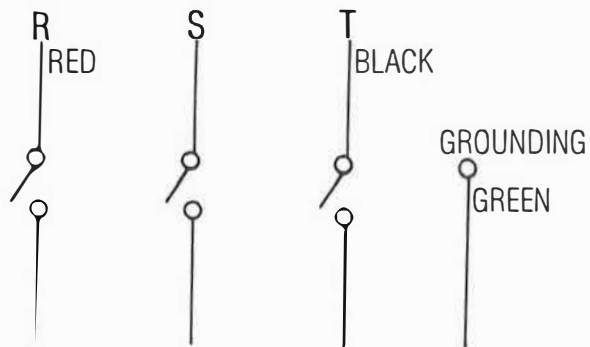


ON/OFF SWITCH

1 ϕ

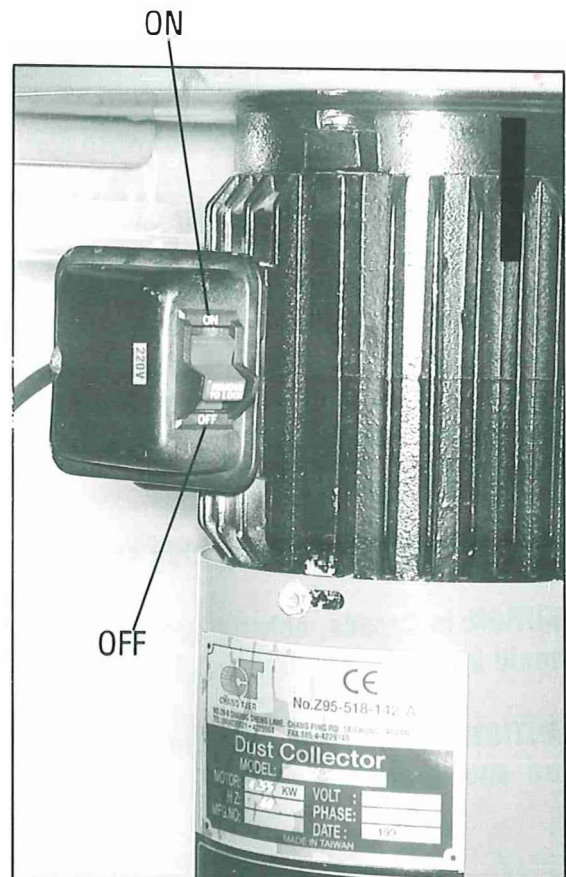
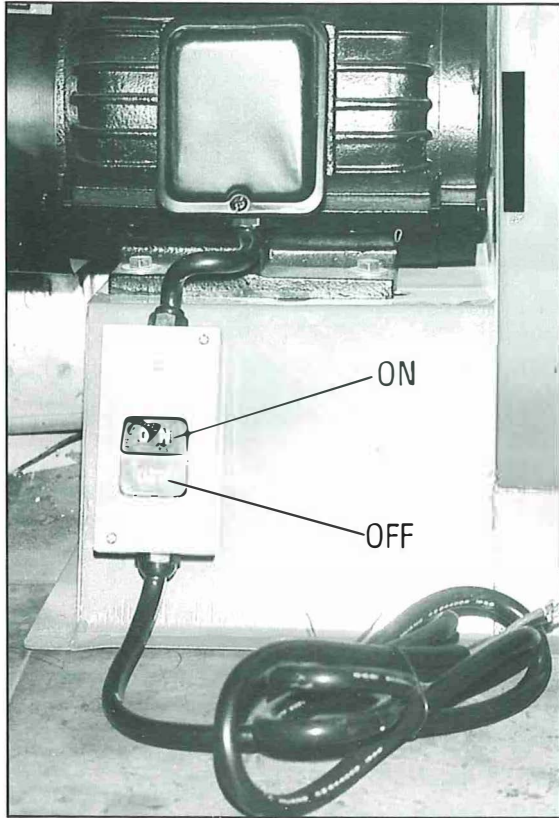


3 ϕ



MOTOR CONTROL

The dust collector switch is located on the left side of the collector body. To start the dust collector, press the "ON" button. To stop the dust collector, press the "OFF" button.



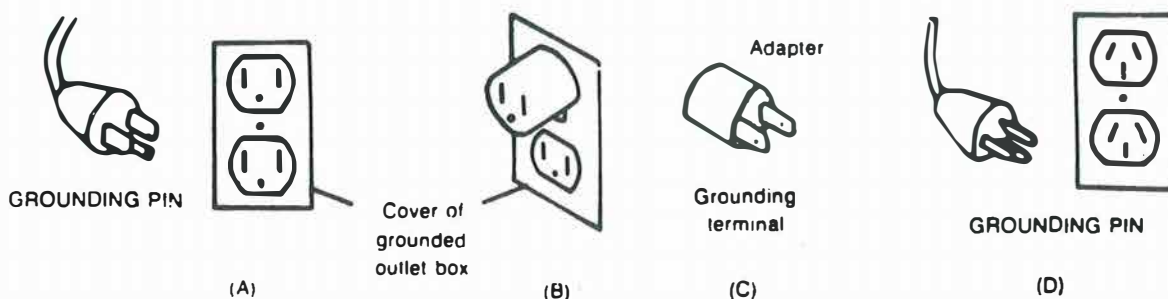
GROUNDING

1. In the event of a malfunction or breakdown, grounding provides a path of least resistance for the electric current, to reduce the risk of electric shock. This machine is equipped with an electrical cord that has 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.
2. Do not modify the plug provided. If it will not fit the outlet, have the proper outlet installed by a qualified electrician.
3. Improper connection of the equipment grounding conductor can result in the risk of electric shock. The conductor with the green outer insulation (with or without a yellow stripe), is the equipment grounding conductor. If repair or replacement of the electrical cord is necessary, do not connect the equipment grounding conductor to a live terminal.
4. Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if there is doubt as to whether the machine is properly grounded.
5. Using only three-wire extension cords that have three-prong grounding plugs and three pole receptacles that accept the tool's plug.
6. Repair or replace damaged or worn cord immediately.
7. This machine is intended for use on a circuit that has an outlet that looks like the one in illustration (A). The machine has a grounding plug that looks like the plug in illustration (A). A temporary adapter, which looks like the adapter in illustration (B) and (C), may be used to connect the plug to a one pole receptacle, as shown in illustration (B), if a properly grounded outlet is not available. The temporary adaptor should only be used until a properly grounded outlet can be installed by a qualified electrician. The three coloured rigid ear plug extending from the adapter, must be connected to a permanent ground such as a properly grounded outlet box.

NOTE: The type of electrical plug and receptacle differs from country to country.

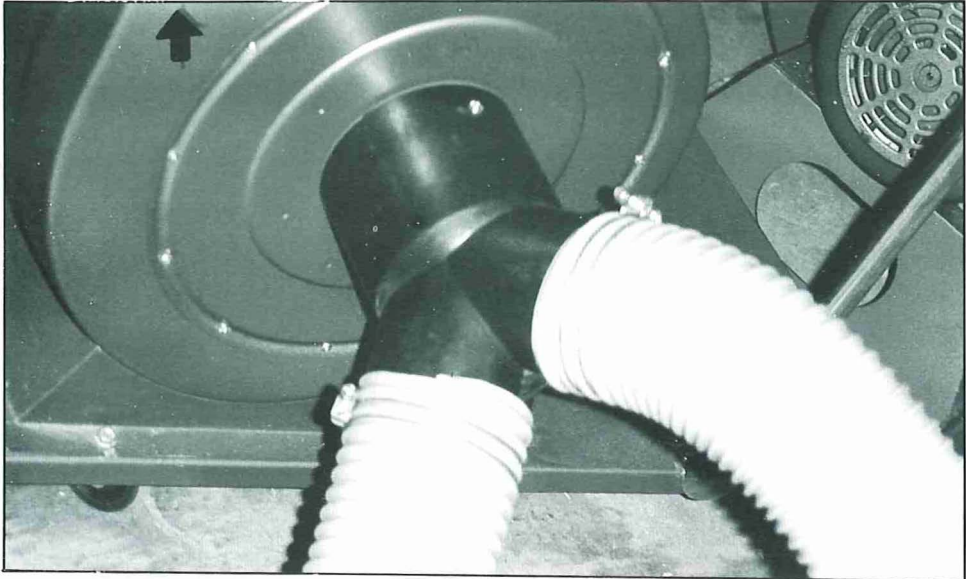
CAUTION: In Canada, only the grounding shown in figure (A) is acceptable. The extension cord should be a CSA certified S.J.T. type or something better.

CAUTION: In Australia, only the grounding shown in figure (D) is acceptable. The extension cord should be SSA certified.



INLET AND OUTLET CONNECTOR DIMENSIONS

ϕ 5" OUTLET



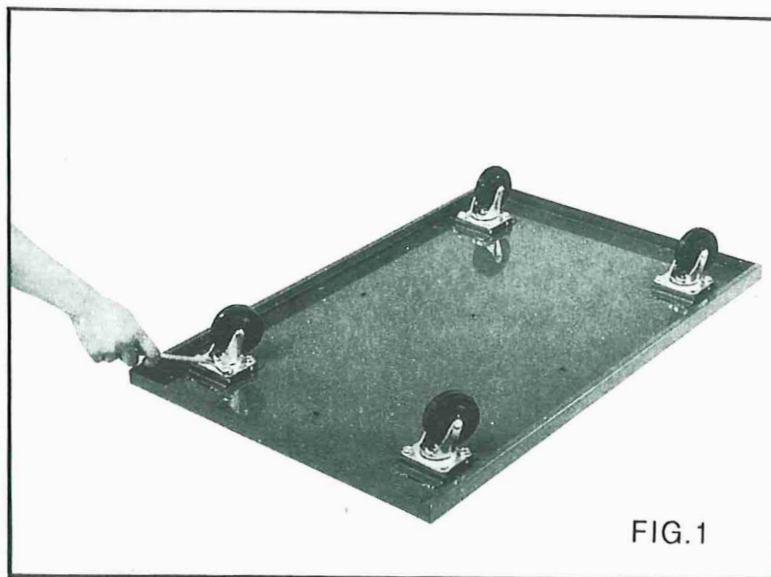
ϕ 4" INLET

ϕ 4" INLET

ASSEMBLY

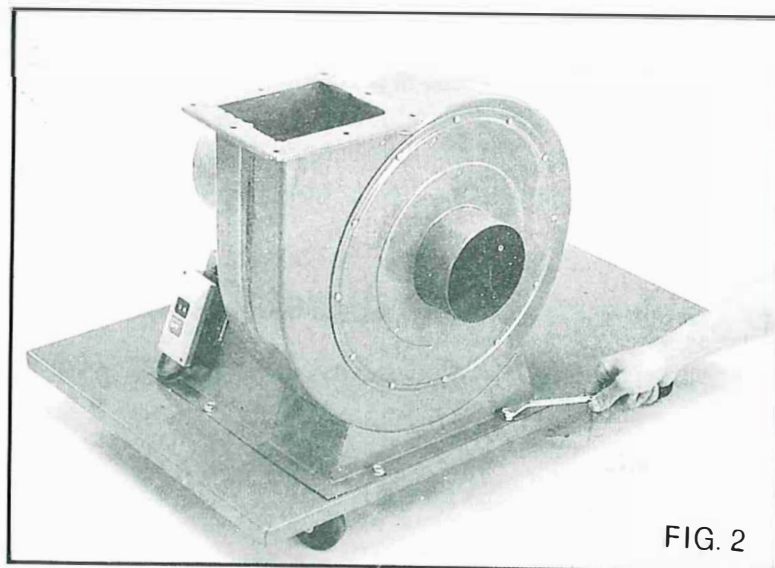
1.

To assemble, first place the base plate upside down. Then attach the four casters to the plate using the holes provided and tighten with the wrench.



2.

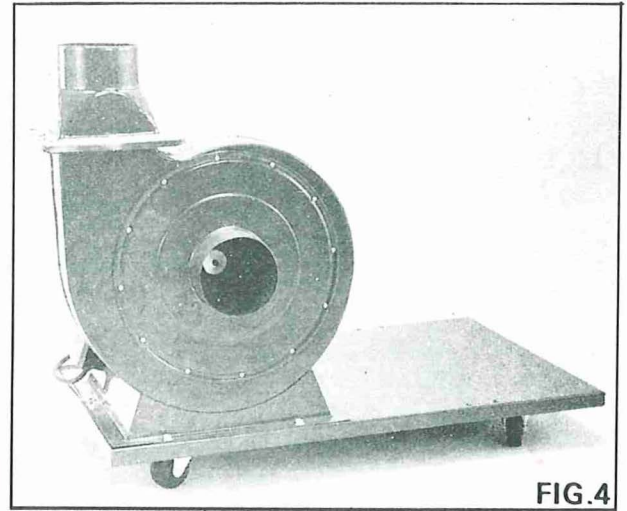
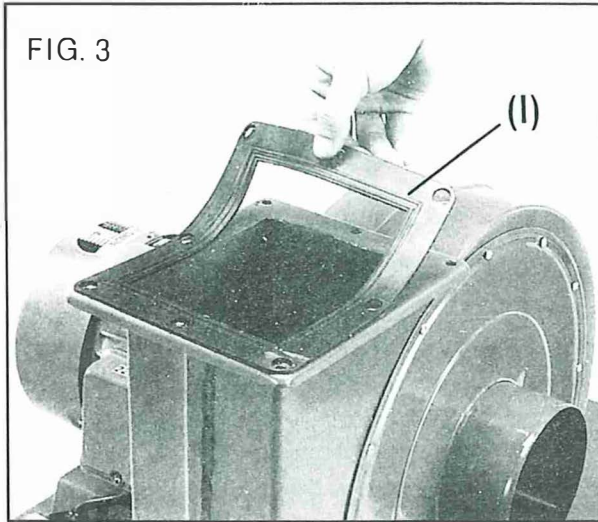
Position the collector body and fan / motor assembly into place. Secure it to the base plate using the nuts and washers provided, as shown in figure 2.



ASSEMBLY

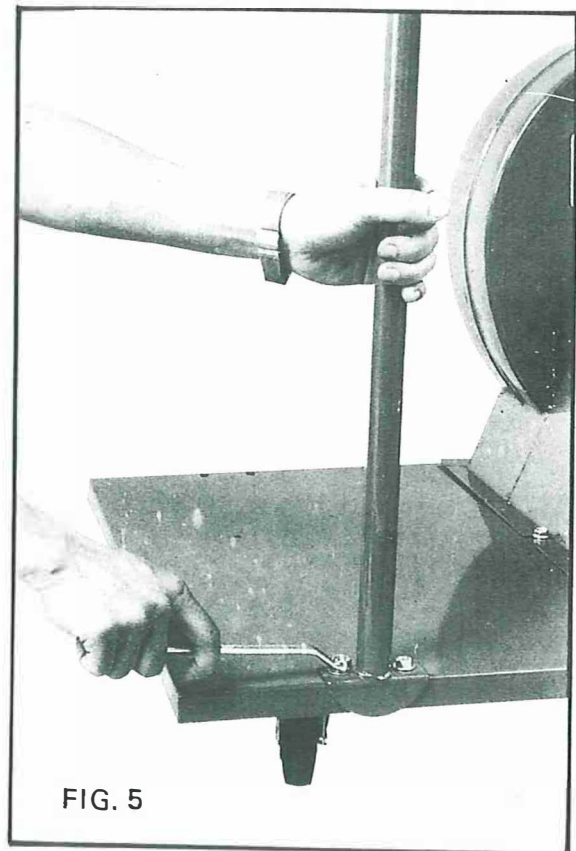
3.

Next, mount the outlet (I) to the collector body as shown in figures 3 and 4.



4.

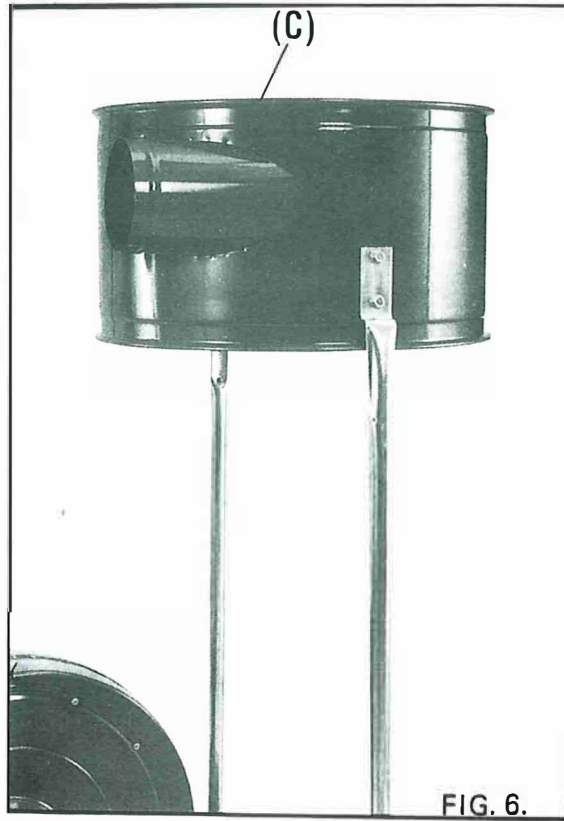
The collector support can now be mounted to the base plate as shown in figure 5.



ASSEMBLY

5.

Attach the collector (c) to the two collector supports, making sure the side hole is facing the collector body as shown in figure 6.



6.

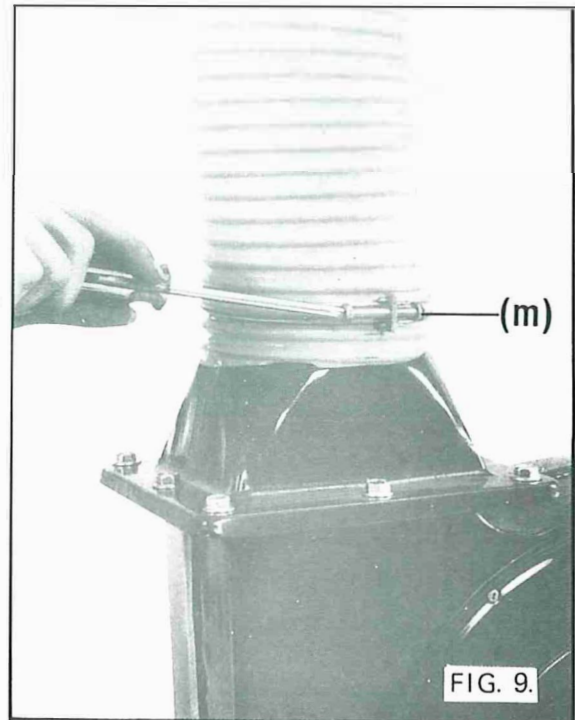
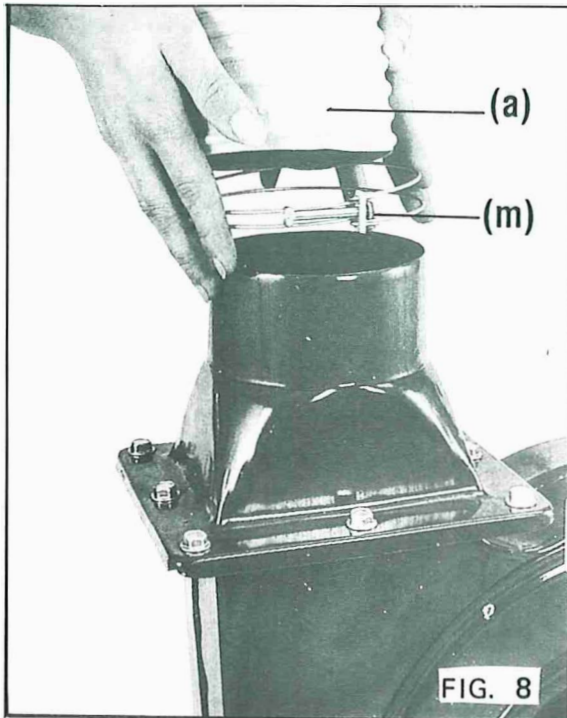
The upper bag support should be attached to the collector support as shown in figure 7.



ASSEMBLY

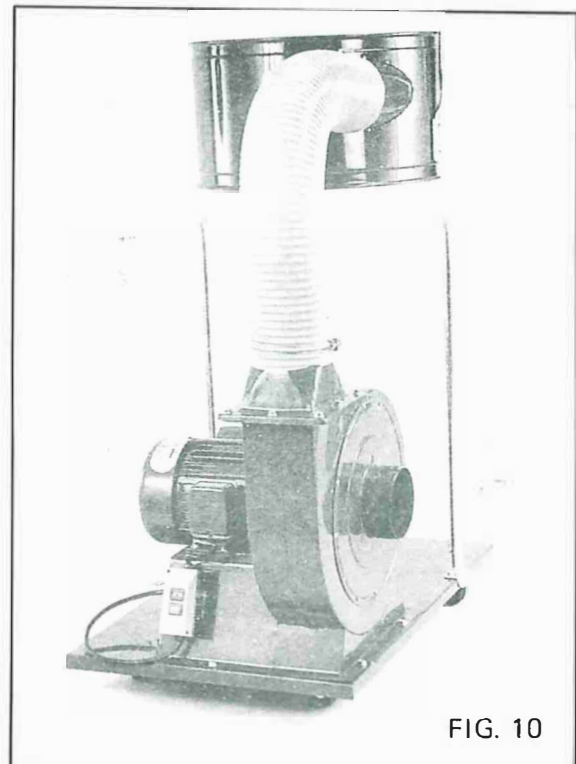
7.

Now attach one end of the hose (a) to the collector body and the other end to the side hole of the collector. Secure with the hose clamps (m), as shown in figure 8 and 9.



8.

Your dust collector should now look like the one in figure 10.



ASSEMBLY

9.

Place the collector and filter bags (h) onto the collector and secure with the belts as shown in figure 11.

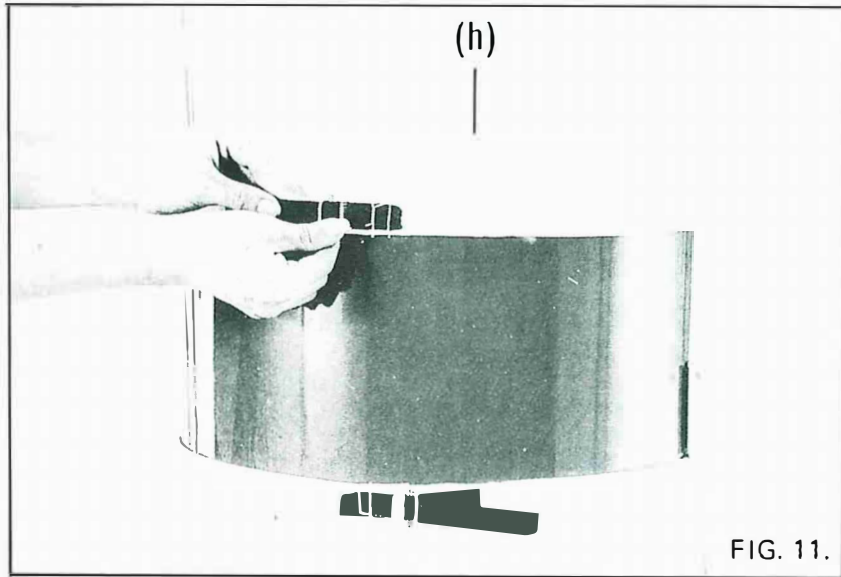


FIG. 11.

10.

After the bags are secured, the upper bag should hang from the upper bag support as in figure 12.

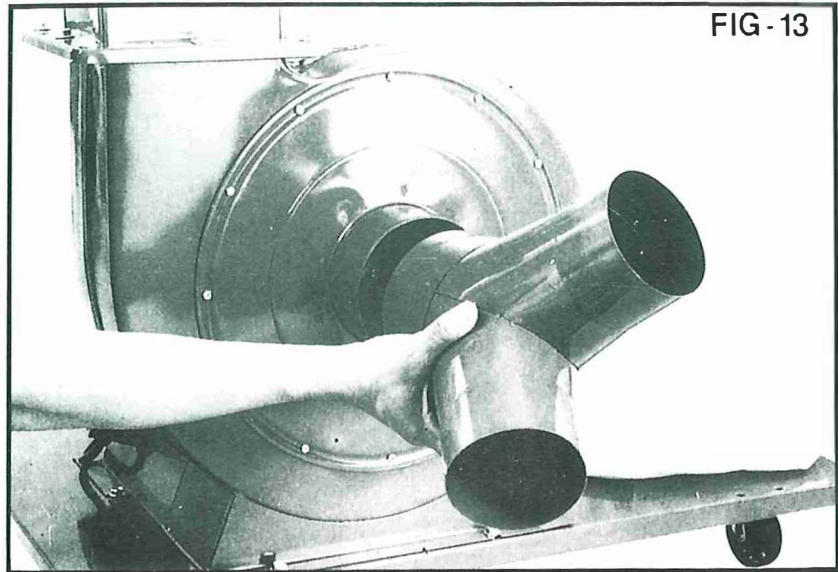


FIG. 12.

ASSEMBLY

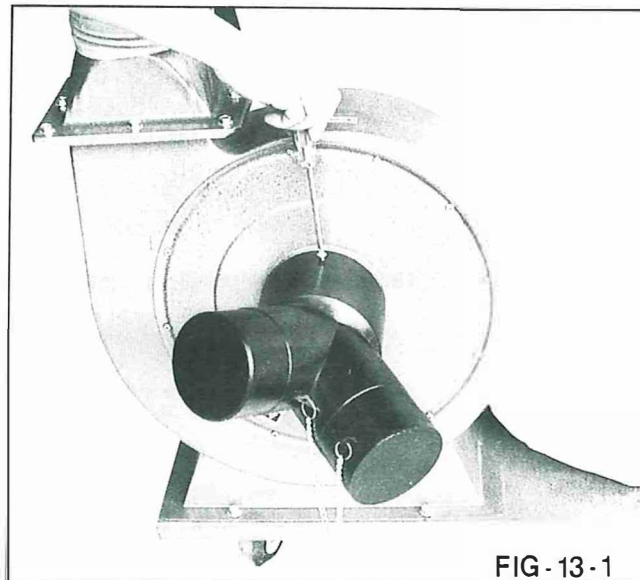
11.

The shutter can now be placed on the intake hole of the fan / motor assembly as shown in figure 13.



12.

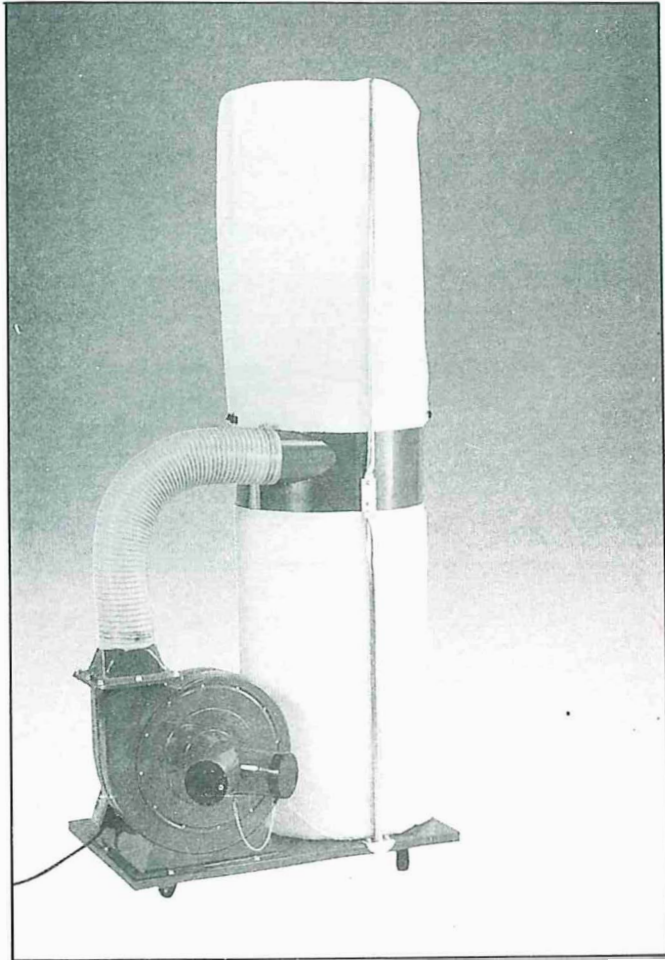
Install the inlet shutter to the collector fan / motor assembly using a 3/16" pan flange head screw. Tighten with a screwdriver , as shown in figure 13.1.



ASSEMBLY

13.

The dust collector is now ready for use. Before connecting to a power source, be sure the power source is properly grounded and is the correct voltage and amperage.



MAINTANENCE

Build up of dust in motor can cause motor damage. Periodic cleaning of motor is not only recommended, but mandatory for normal performance of the dust collector.

Periodically remove and empty the lower bag of the dust collector. Periodically clean the upper bag of the dust collector.



Always disconnect the dust collector from the power source before commencing any maintenance.

TROUBLE SHOOTING

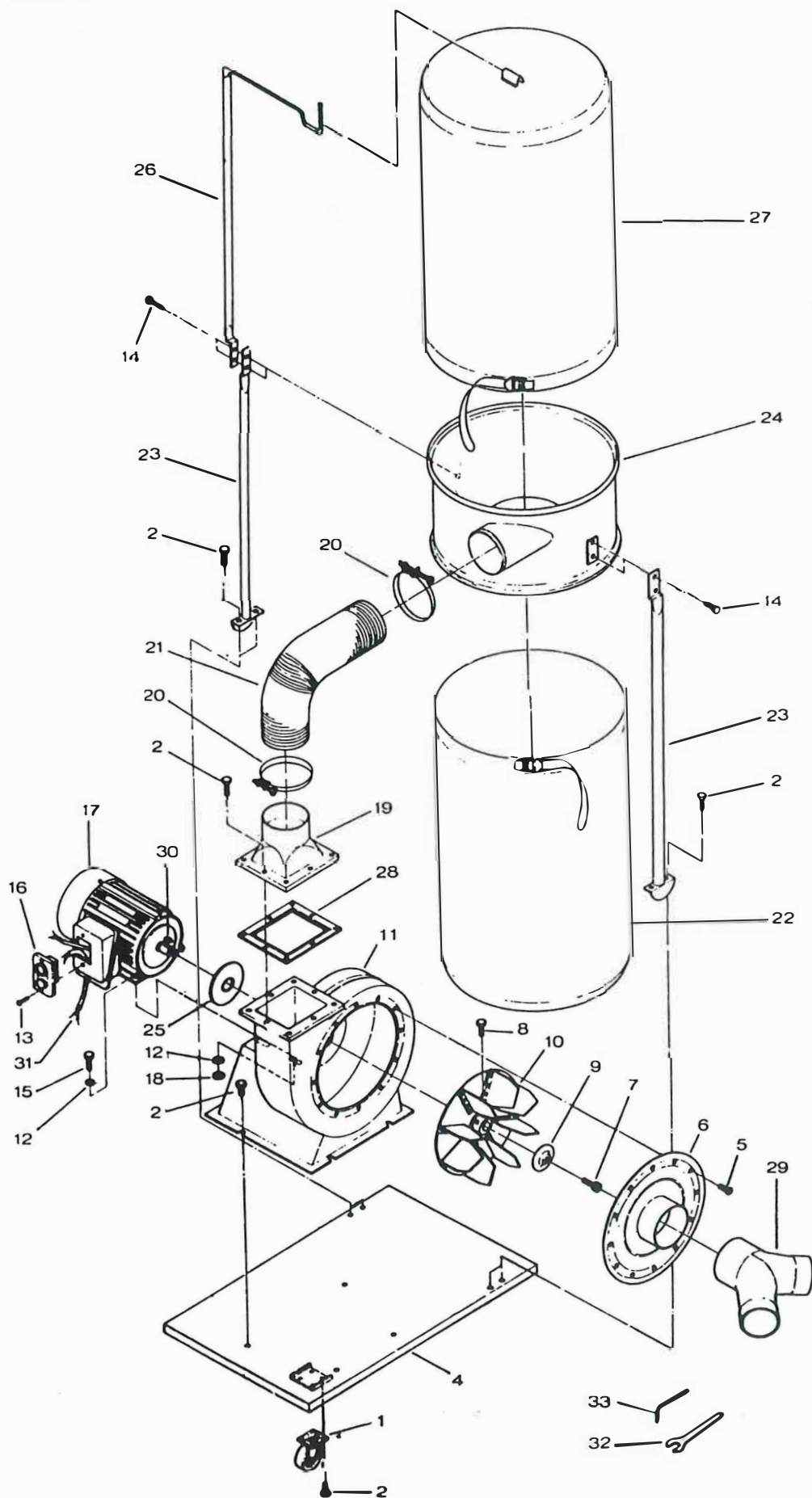
| TROUBLE | PROBABLE CAUSE | CORRECTION |
|---|--|---|
| Motor does not run when power switch is pressed "ON". | <ol style="list-style-type: none"> 1. Switch is burnt out. 2. Connection wire is loose or damaged. | <ol style="list-style-type: none"> 1. Replace the switch. 2. Tighten wire or replace wire. |
| Motor does not run at full speed. | <ol style="list-style-type: none"> 1. Power voltage is too low. 2. Motor is damaged. | <ol style="list-style-type: none"> 1. Test voltage. 2. Check and repair motor. |
| Motor does not reach full power. | <ol style="list-style-type: none"> 1. Incorrect power wiring. 2. Overloaded. | <ol style="list-style-type: none"> 1. Replace with the correct size power wiring. 2. Reduce load. |
| Motor overheating | <ol style="list-style-type: none"> 1. Motor is dirty. 2. Motor is damaged. | <ol style="list-style-type: none"> 1. Clean motor. 2. Check and repair motor. |
| Insufficient suction power | <ol style="list-style-type: none"> 1. Inlet port blocked. 2. Lower bag is full. 3 Flexible hose is broken. 4. Hose clamp is too loose. | <ol style="list-style-type: none"> 1. Remove flexible hose and clean inlet port. 2. Empty dust from lower bag. 3. Replace flexible hose. 4. Tighten Hose clamp. |
| Dust collector can not be moved. | <ol style="list-style-type: none"> 1. Casters are damaged. 2. Casters are jammed by dust or wood chips. | <ol style="list-style-type: none"> 1. Replace casters. 2. Remove dust or wood chips. |

ORDERING REPLACEMENT PARTS

Replacement parts may be ordered from your local distributor. When ordering replacement parts, always provide the following information:

1. The model number and serial number of the dust collector.
2. The parts number.
3. The parts name.
4. The desired quantity of the part.

EXPLODED DIAGRAM OF DUST COLLECTOR PARTS



PARTS LIST

| NO. | DESCRIPTION | QTY. | |
|-----|-----------------------|---------------------|----|
| 1 | Caster | 4 | |
| 2 | Screw Hex Flange Head | 5/16" - 18UNCx 1/2" | 32 |
| 3 | * * * * | | |
| 4 | Base Plate | | 1 |
| 5 | Screw Pan Flange Head | 10- 24 UNCx3/8" | 12 |
| 6 | Inlet cover | | 1 |
| 7 | Screw Hex Soc. Head | M6x1.0x19MM-LH | 1 |
| 8 | Screw Hex Head | 3/8" -16 UNCx1/2" | 2 |
| 9 | Washer | | 1 |
| 10 | Turbo Fan | | 1 |
| 11 | Collector Body | | 1 |
| 12 | Washer | 5/16" | 8 |
| 13 | Screw Pan Head | 10x24 UNCx1" | 2 |
| 14 | Screw Hex Flange Head | 5/16" - 18UNCx 3/4" | 4 |
| 15 | Screw Hex Head | 5/16" - 18UNCx1" | 4 |
| 16 | Switch | | 1 |
| 17 | Motor | | 1 |
| 18 | Nut | 5/16" - 18UNC | 4 |
| 19 | Outlet | | 1 |
| 20 | Hose clamp | | 2 |
| 21 | Hose | | 1 |
| 22 | Collector bag | | 1 |
| 23 | Collector support | | 2 |
| 24 | Collector | | 1 |
| 25 | Packing | | 1 |
| 26 | Upper bag support | | 1 |
| 27 | Filter bag | | 1 |
| 28 | Packing | | 1 |
| 29 | Inlet | | 1 |
| 30 | Key | 7MMx7MMx29MM | 1 |
| 31 | Cord Power | | 1 |
| 32 | Open end wrench | 10MMx12MM | 1 |
| 33 | Wrench Hex | 5MM | 1 |