



Code 107696

Original Instructions

AW82E

1.5HP Dust Extractor




AT: 11/01/2023
BOOK VERSION: 4

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EU DECLARATION OF CONFORMITY

| | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------|-------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------|
| <p>Cert No: FM230L3</p> <p>Axminster Tool Centre Ltd Axminster Devon EX13 5PH UK axminstertools.com</p> <p>declares that the machinery described:-</p> <table border="1"> <tr> <td>Type</td> <td>Dust Extractor</td> </tr> <tr> <td>Model</td> <td>AW82E</td> </tr> </table> <p>Signed </p> <p>Andrew Parkhouse Operations Director</p> | Type | Dust Extractor | Model | AW82E | <p>EU Declaration of Conformity</p> <p>This machine complies with the following directives:</p> <table border="1"> <tr> <td>2006/42/EC 2014/30/EU 06/42/EC - Annex I/05.2006 EN 62233:2008</td> <td>EN 60335-2-69:2012 EN 60335-1:2012+A11</td> </tr> </table> <p>and conforms to the machinery example for which the EC Type-Examination Certificate No AE 50352798, AE 50389324, AE 50398634 has been issued by Laizhou Planet Machinery Co., Ltd. at: Yutai West Street Laizhou, Shandong 261400 China</p> <p>and complies with the relevant essential health and safety requirements.</p> | 2006/42/EC 2014/30/EU 06/42/EC - Annex I/05.2006 EN 62233:2008 | EN 60335-2-69:2012 EN 60335-1:2012+A11 |
| Type | Dust Extractor | | | | | | |
| Model | AW82E | | | | | | |
| 2006/42/EC 2014/30/EU 06/42/EC - Annex I/05.2006 EN 62233:2008 | EN 60335-2-69:2012 EN 60335-1:2012+A11 | | | | | | |
| Date: 08/08/2016 | | | | | | | |

The symbols below advise the correct safety procedures when using this machine.



Fully read manual and safety instructions before use



Ear protection should be worn



Eye protection should be worn



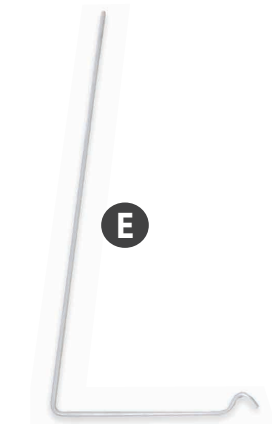
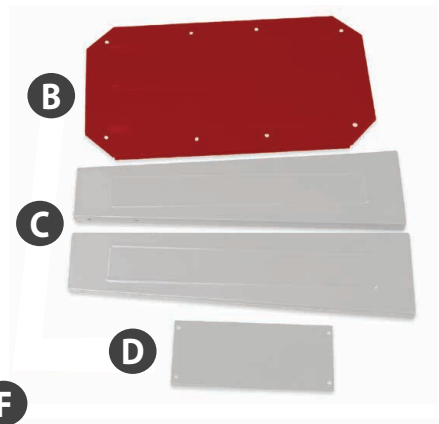
Dust mask should be worn



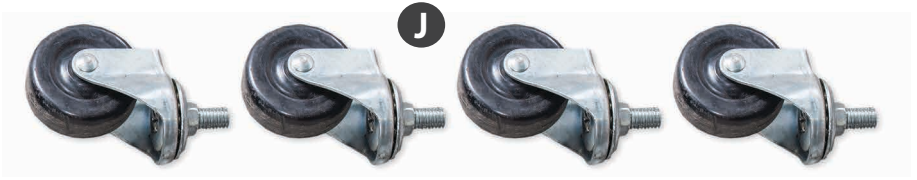
HAZARD
Motor gets hot

WHAT'S INCLUDED

| Quantity | Item | Part | Model Number |
|----------|--------------------------------|----------|--------------|
| | | | AW82E |
| 1 | Extractor Assembly | A | |
| 1 | Base | B | |
| 2 | Upright Support Panels | C | |
| 1 | Cross Member Panel | D | |
| 1 | Filter Bag Hanger Bar | E | |
| 1 | Hanger Mounting Bar | F | |
| 1 | 30 Micron Filter Bag | G | |
| 1 | Dust Collecting Bag | H | |
| 2 | Filter and Bag Retaining Belts | I | |
| 4 | Castor Wheels | J | |
| 12 | Dome Head Hex Screws | K | |
| 8 | Nuts | L | |
| 4 | Domed Nuts | M | |
| 12 | Flat Washers | N | |
| 4 | Washers | O | |
| 8 | Spring Washers | P | |
| 1 | Hex Key | Q | |



WHAT'S INCLUDED



NOTE: Please read the Instruction Manual prior to using your new machine. As well as the operating procedures for your new machine, there are numerous hints and tips to help you to use the machine safely and to maintain its efficiency and prolong its life.

There is also a detailed description of the parts of your Extractor, which will enable you to become familiar with terminology we will use in this manual. Keep this Instruction Manual readily accessible for any others who may also be required to use the machine.

OPTIONAL ACCESSORIES

| Quantity | Item | Part | |
|----------|----------------------------------|----------|-------------|
| 1 | Axminster Craft Filter Cartridge | R | Code 105187 |

Air filter cartridge for the AW82E chip extractor. Upgrades the performance of this extractor, able to handle fine sawdust as well as chippings. Simply slots on with a stiff rubber seal. You must use plastic waste sacks with this filter.

Particle size 1 micron. Internal mounting size is 340mm diameter.



The AC82E is a compact, well made chip extractor for use in a home workshop. The main body can be mounted either way up, giving a choice of inlet positions on the top or bottom of the machine. It is powered by a 230V 1.1kW induction motor, which produces quite a vigorous airflow, ensuring better than average waste collection performance.

The base has castors fitted for easy mobility around the workshop.

As standard, 30 micron filter bag is fitted, along with a plastic waste sack. The filtration can be upgraded with an optional 1 micron cartridge filter. This has a very large surface area, so does not impede the airflow.

The inlet size is 100mm, allowing easy connection to many types of machines using flexible hose. Please do not step down the hose diameter below 75mm, as the airflow volume will drastically fall below this diameter.



HAVING UNPACKED YOUR MACHINE, PLEASE DISPOSE OF THE PACKAGING PROPERLY.

GENERAL INSTRUCTIONS FOR 230V MACHINES

The following will enable you to observe good working practices, keep yourself and fellow workers safe and maintain your tools and equipment in good working order.



WARNING!! KEEP TOOLS AND EQUIPMENT OUT OF REACH OF YOUNG CHILDREN



KEEP WORK AREA AS UNCLUTTERED AS IS PRACTICAL. UNDER NO CIRCUMSTANCES SHOULD CHILDREN BE ALLOWED IN WORK AREAS.

Mains Powered Tools

- Tools are supplied with an attached 13 Amp plug.
- Inspect the cable and plug to ensure that neither are damaged. Repair if necessary by a suitably qualified person.
- Do not use when or where it is liable to get wet.

Workplace

- Do not use 230V a.c. powered tools anywhere within a site area that is flooded.
- Keep machine clean.

- Leave machine unplugged until work is about to commence.
- Always disconnect by pulling on the plug body and not the cable.
- Carry out a final check e.g. check the cutting tool is securely tightened in the machine and the correct speed and function set.
- Ensure you are comfortable before you start work, balanced, not reaching etc.
- Wear appropriate safety clothing, goggles, gloves, masks etc. Wear ear defenders at all times.
- If you have long hair wear a hair net or helmet to prevent it being caught up in the rotating parts of the machine.
- Consideration should be given to the removal of rings and wristwatches.
- Consideration should also be given to non-slip footwear etc.
- If another person is to use the machine, ensure they are suitably qualified to use it.
- Do not use the machine if you are tired or distracted.
- Do not use this machine within the designated safety areas of flammable liquid stores or in areas where there may be volatile gases.
- Check cutters are correct type and size, are undamaged and are kept clean and sharp, this will maintain their operating performance and lessen the loading on the machine.
- **OBSERVE....** make sure you know what is happening around you and **USE YOUR COMMON SENSE.**

SPECIFIC SAFETY FOR DUST EXTRACTORS

DO NOT use this machine as a vacuum cleaner, try to keep the waste medium to wood by-products.

DO NOT uplift workshop floor debris (stones, nails, screws, paper etc., etc). Be aware that wood dust is an explosive medium.

DO NOT allow any 'naked light' source to occur anywhere near the machine. This includes cigarettes, matches, etc, and do not place the machine near any unprotected light bulbs, that could possibly get broken.

The suction force is generated by a high speed fan unit. This has the potential to amputate fingers, grab loose clothing (ties etc.,) and 'bat' large chips etc, at high speeds. Keep all guarding in place, and if access to the fan becomes necessary (due to blockage etc.,) Disconnect the machine from the mains supply and ensure the fan has come to a complete stop before putting your hands anywhere near to it.

If you are not using 'clear' extraction hose, periodically remove the hose to check that the inlet to the machine is not getting restricted.

The safety guard grill of the inlet duct can be particularly irksome in this way, as long strand shavings etc., can wrap around the grill fret.

KEEP the particle filter clean. The machine relies on its ability to 'blow' air through the filter, to generate good suction. If the particle filter starts to clog, this reduces the air flow and hence the machine becomes less efficient. The particle filter can be cleaned, by using an 'M' class vacuum cleaner, clean the inside of the filter.

BE AWARE that in dry air periods or areas, the movement of the air through the machine can generate static electric fields. These are not normally a problem as the machine is bonded together via its construction and the whole is earthed back through the electrical supply; problems can occur with isolated items, such as stands or hosing that are insulated from the ground (standing on rubber feet?, suspended in the air etc). If possible, try to connect everything together electrically, to eliminate static shocks.

(Use the integral metal coil in flexible hosing to connect the units together). Try to route the power cable and the hosing away from busy walkways.



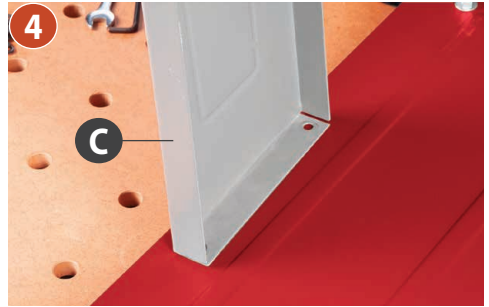
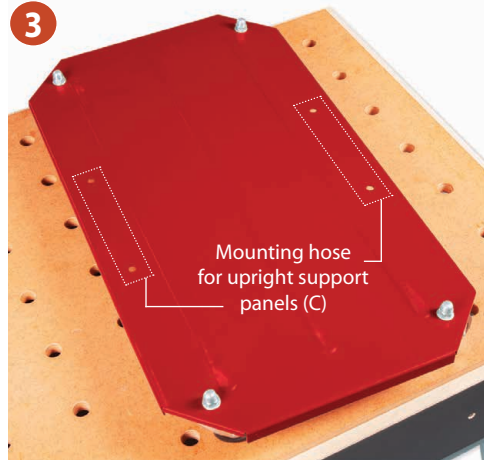
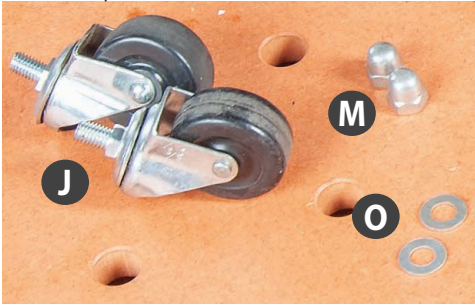
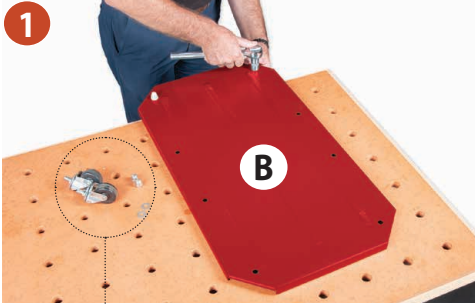
ONLY USE DUST EXTRACTION BAGS WITH THIS MACHINE NOT DOMESTIC WASTE BAGS!



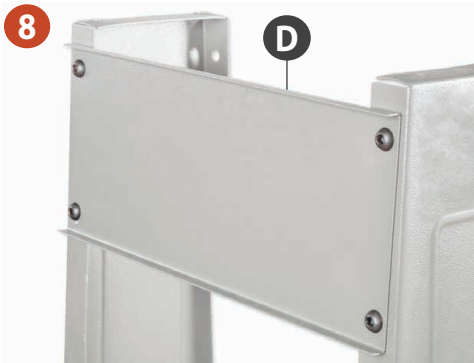
DO NOT PLACE DUST EXTRACTION BAGS OVER THE FILTER ASSEMBLY!

SPECIFICATION

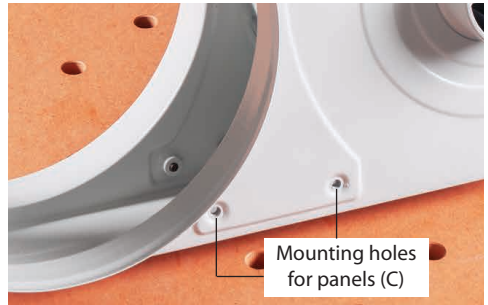
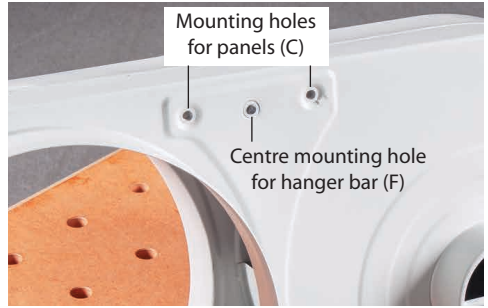
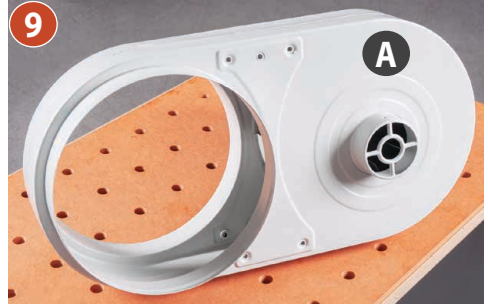
| | |
|-------------------|-----------------------------------|
| Code | 107696 |
| Model | AW82E |
| Rating | Workshop |
| Power | 1.1 kW |
| Air Flow | 1,050 m ³ /hr @ 100 mm |
| Filtration | 30 micron |
| Hose Diameter | 100 mm |
| Bag Capacity | 84 litre |
| Overall L x W x H | 715 x 400 x 1,814 mm |
| Weight | 31.5 kg |



ASSEMBLY

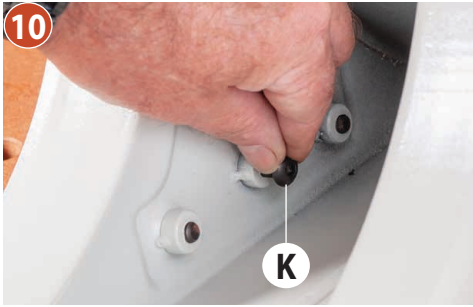


The extractor assembly (A) can be mounted either way up, giving a choice of inlet positions on the top or the bottom of the machine.



Mounting holes on both sides of extractor assembly

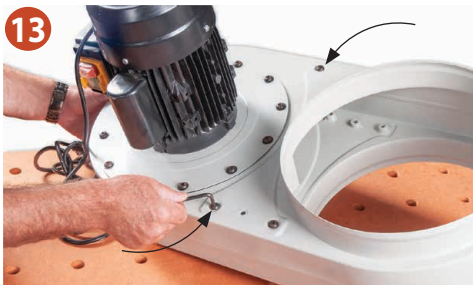
- Place one dome head Hex screw (K) into one of the centre mounting hole from inside the extractor assembly (A) casting, see step 10.
- Turn the extractor (A) over, locate another four Hex screws (K) and screw them into the two threaded mounting holes on either side of the extractor, see step 11-12.



• Turn the base assembly, see step 6 over. Line up the holes in the upright support panels (C) with the mounting holes on the extractor (A). Secure using the domed Hex screws (K) you removed earlier with four flat washers (N) and spring washers (P), see step 15-16-17.



• Turn the extractor assembly over again and remove the four domed Hex screws (K) already mounted to unit and place safely aside, see step 13-14.



ASSEMBLY

18



Remove screws
Hex (K)



Polystyrene

Use the polystyrene packing to support the extractor (A) when mounting the base assembly the opposite way round.

19



20



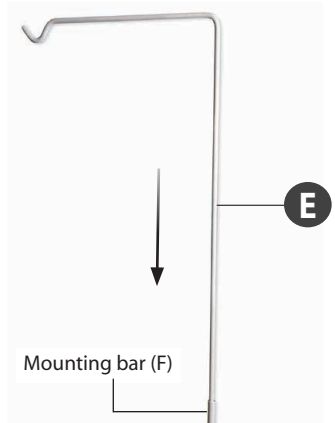
F Screw the hanger mounting bar (F) into the extractor assembly (A)

21



Tighten the nut to lock the mounting bar (F) in place

22



E
Mounting bar (F)

Lower the filter bag hanger bar (E) down into the mounting bar (F), see step 22.



ASSEMBLY

Optional Filter Cartridge Code 105187



• Remove the retaining belt (I) and remove the 30 micron filter bag (G), place to one side.



• Remove the hanger bar and mounting bar (E & F) and place safely aside.



• Locate the filter cartridge (R) and lower the assembly down over the extractors cavity and secure using the retaining belt (I).



ILLUSTRATION AND PARTS DESCRIPTION

Extractor Set Up 1



ILLUSTRATION AND PARTS DESCRIPTION

Extractor Set Up 2



Extractor assembly with the inlet below

Extractor Set Up 3



Extractor assembly with optional filter cartridge

Testing the Extractor

Connect the extraction hose/s to the extractor's inlet.



WARNING! MAKE SURE CHILDREN ARE KEPT AWAY FROM THE EXTRACTOR WHILE IN OPERATION.



CONNECT THE POWER SUPPLY TO THE MAINS AND SWITCH ON!



NOTE: ALWAYS TURN ON/OFF THE EXTRACTOR BY THE NVR CONTROL SWITCH NOT THE MAINS SWITCH!



NVR ON/OFF control switch



WAIT UNTIL IT'S UP TO FULL SPEED AND CHECK FOR SIGNS OF VIBRATION, IF ALL IS WELL SWITCH OFF AND WAIT UNTIL THE EXTRACTOR HAS COME TO A COMPLETE STOP.



IF THE EXTRACTOR FAILS TO START UP OR THERE ARE ANY OTHER STRANGE NOISES APART FROM VIBRATION SOUNDS, CONTACT THE "TECHNICAL SALES" FOR SUPPORT.

PHONE: 03332 406406
EMAIL:
TECHNICALSUPPORT@AXMINSTERTOOLS.COM

Reduced Suction Performance

After a period of time dust, sawdust and shavings can build up causing blockages and reduced suction performance. Carry out the following checks to keep your extractor working at peak performance.



DISCONNECT THE POWER SUPPLY FROM THE MAINS!



ALWAYS WEAR A DUST MASK AND EYE PROTECTION.

- Remove the micron filter bag and check for signs of build up of sawdust and clean with an 'M' class vacuum cleaner.
- If you have the cartridge filter fitted, move the shaker paddle handle back and forth to remove any built up dust and debris from inside the filter.
- Check the hose/s for blockages.
- Check the dust collecting bag and empty if full.
- After a period of time remove the cartridge filter if installed and using a 'M' class vacuum cleaner clean the interior and exterior of the filter.

Remove the filter cartridge



MAINTENANCE



DISCONNECT THE POWER SUPPLY FROM THE MAINS!



ALWAYS WEAR A DUST MASK AND EYE PROTECTION.

Daily

- Empty the collection bag before it overflows, wear a dust mask whilst removing and emptying the bag.

Weekly

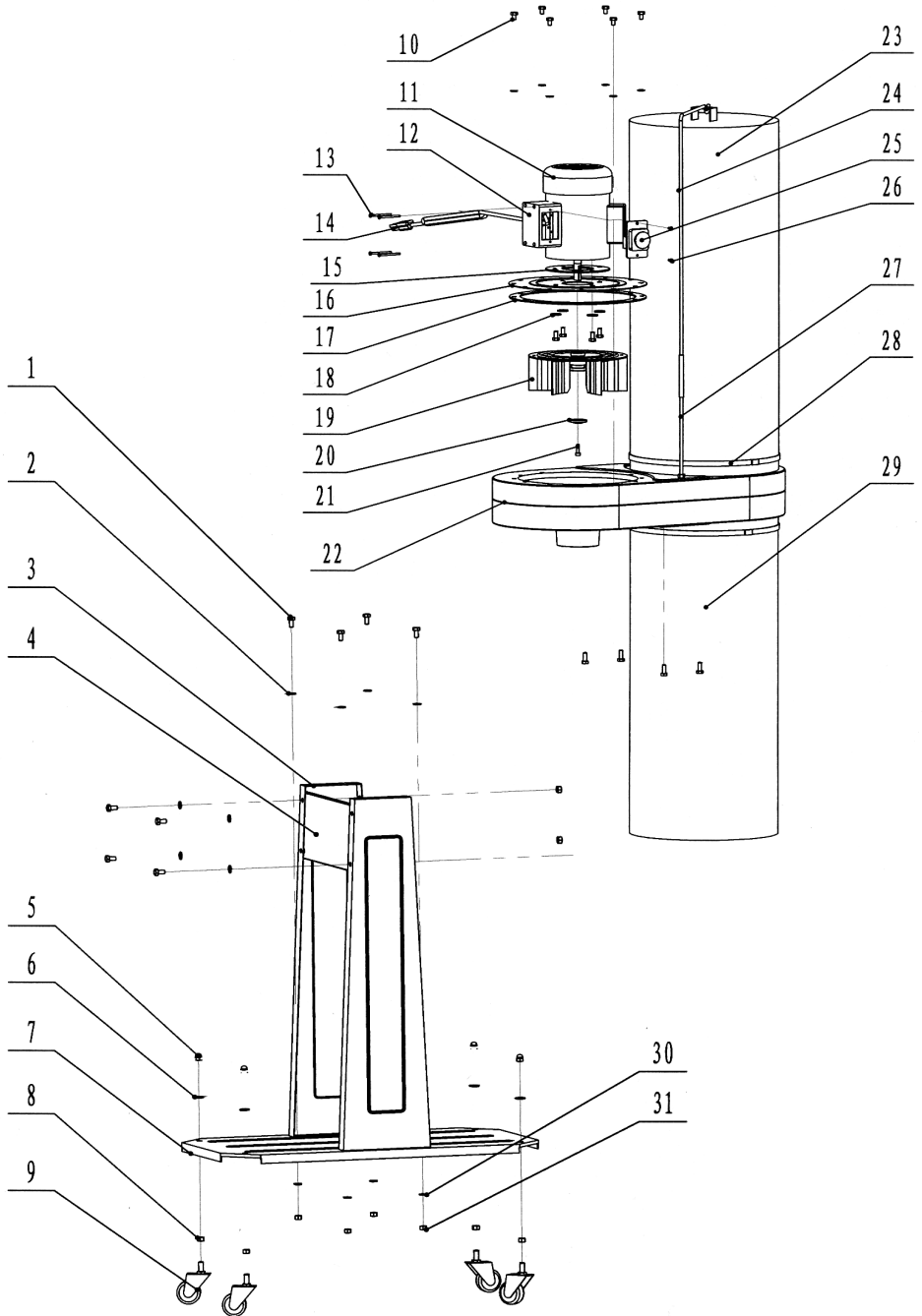
- Check the inlet and outlet duct and remove any accumulated sawdust.
- Check the inlet hoses for splits and cracks, repair as necessary.
- Check the dust collection bag for wear and tear, especially around the neck of the retaining belt. If wear or fraying is occurring, replace the bag.
- Check the motor for dust, sawdust, shavings etc, build up. If this has occurred, clean with an 'M' class vacuum cleaner.
- Move the shaker paddle handle on top of the filter cartridge assembly, if fitted, back and forth to remove any built up dust and debris from inside the filter.



Clean the filter cartridge with an 'M' class vacuum cleaner



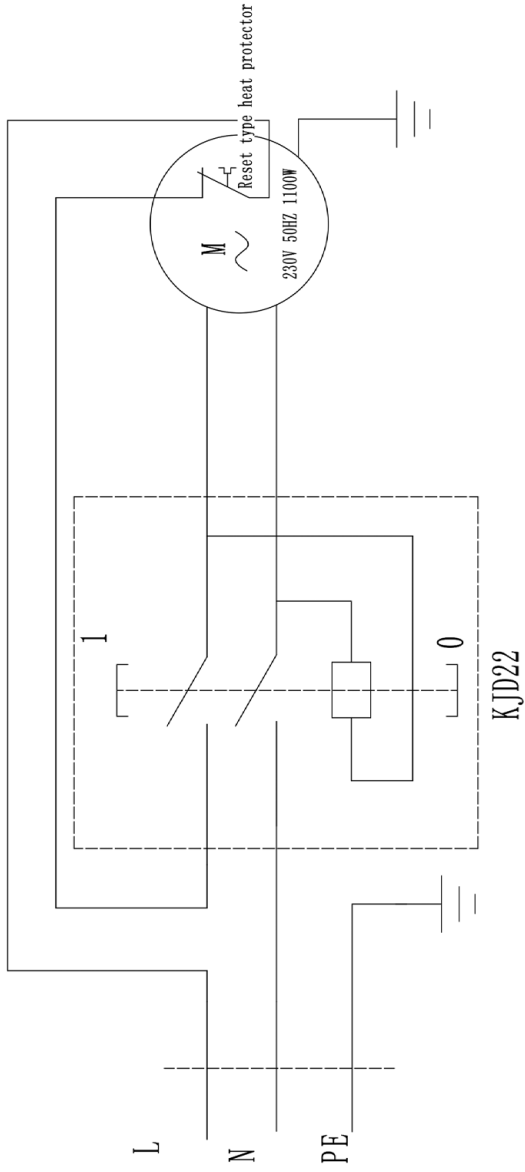
EXPLODED DIAGRAMS/LISTS



EXPLODED DIAGRAMS/LISTS

| PART NO | DESCRIPTION | QTY |
|---------|-------------------|-----|
| 1 | HEX-BOLT M8 x 12 | 12 |
| 2 | FLAT WASHER M8 | 24 |
| 3 | SUPPORT PLATE | 2 |
| 4 | REINFORCE PLATE | 1 |
| 5 | NUT M10 | 4 |
| 6 | FLAT WASHER M10 | 4 |
| 7 | BASE PLATE | 1 |
| 8 | 1-HEX-BOLT M10 | 4 |
| 9 | CASTER | 4 |
| 10 | HEX-BOLT M8 x 12 | 12 |
| 11 | MOTOR | 1 |
| 12 | SWITCH BOX | 1 |
| 13 | SCREW HEX M4 x 60 | 4 |
| 14 | PLUG | 1 |
| 15 | GASKET | 1 |

| | | |
|----|--------------------|---|
| 16 | MOTOR PLATE | 1 |
| 17 | SEAL PAD FOR MOTOR | 1 |
| 18 | WASHER M8 | 4 |
| 19 | TURBO FAN | 1 |
| 20 | RING | 1 |
| 21 | SCREW HEX M6 x 20 | 1 |
| 22 | FAN HOUSING | 1 |
| 23 | FILTER BAG | 1 |
| 24 | UPPER BAG SUPPORT | 1 |
| 25 | EMERGENCY SWITCH | 1 |
| 26 | SCREW M4 x 12 | 2 |
| 27 | COLLECTOR SUPPORT | 1 |
| 28 | BAG CLAMP | 2 |
| 29 | COLLECTOR BAG | 1 |
| 30 | SPRUNG WASHER | 8 |
| 31 | 1-HEX-BOLT M8 | 9 |



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Do not dispose of electric tools together with household waste material.
By law they must be collected and recycled separately.



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