



Immersion Blender

Item# 92698(12"), 87870(16")
67877(18"), 92688(22")

INSTRUCTION MANUAL



Keep these instructions with the appliance.
Read this user manual carefully before using the appliance.

Made
in
China

KRATOS Heavy Duty Commercial Immersion Blender



1. INTENDED USE

- 1.1 This machine is designed for food processing in restaurants, canteens and similar catering establishments.
- 1.2 The machine is not intended to process meat which has bone, tough skin, shells or fish scales. Neither use this machine to cut vegetable or fruit with nut or tough skin. Otherwise, it might lead to damage of the machine, property or personal injury.
- 1.3 The machine is intended for commercial and indoor use by trained and skilled personnel familiar with these instructions.

The model is made up of 4 different sizes:

- 12" (92698)
- 16" (87870)
- 18" (67877)
- 22" (92688)

The machine body is constructed from plastic (PA66+GF30%) and stainless steel for easy cleaning and maintenance. It has safety features compliant with the applicable safety directives.



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2. SAFETY REGULATIONS



2.1 Safety regulations

- 2.1.1 This appliance is intended for commercial use only and must not be used for household use.
- 2.1.2 The appliance must only be used for the purpose for which it was intended and designed. The manufacturer is not liable for any damage caused by incorrect operation and improper use.
- 2.1.3 Keep the appliance and electrical plug away from water and any other liquids. In the event that the appliance should fall into water, immediately remove plug from the socket and do not use until the appliance has been checked by a certified technician. Failure to follow these instructions could cause a risk to lives.
- 2.1.4 Never attempt to open the casing of the appliance yourself.
- 2.1.5 Do not insert any objects in the casing of the appliance.
- 2.1.6 Do not touch the plug with wet or damp hands.
- 2.1.7 **Danger of electric shock!** Do not attempt to repair the appliance yourself. In case of malfunctions, repairs are to be conducted by qualified personnel only.
- 2.1.8 **Never use a damaged appliance!** Disconnect appliance from the electrical outlet and contact the retailer if it is damaged.
- 2.1.9 Do not immerse the electrical parts of the appliance in water or other liquids. Never hold the appliance under running water.
- 2.1.10 Regularly check the power plug and cord for any damage. If the power plug or power cord is damaged, it must be replaced by a service agent or similarly qualified persons in order to avoid danger or injury.
- 2.1.11 Make sure the cord does not come in contact with sharp or hot objects and keep it away from open fire. To pull the plug out of the socket, always pull on the plug and not on the cord.
- 2.1.12 Ensure that the cord (or extension cord) is positioned so that it will not cause a trip hazard.
- 2.1.13 Always keep an eye on the appliance when in use.
- 2.1.14 As long as the plug is in the socket the appliance is connected to the power source.
- 2.1.15 Turn off the appliance before pulling the plug out of the socket.
- 2.1.16 Never carry the appliance by the cord.
- 2.1.17 Do not use any extra devices that are not supplied along with the appliance.
- 2.1.18 Only connect the appliance to an electrical outlet with the voltage and frequency mentioned on the appliance label.
- 2.1.19 Connect the power plug to an easily accessible electrical outlet so that in case of emergency the appliance can be unplugged immediately. To completely switch off the appliance pull the power plug out of the electrical outlet.
- 2.1.20 Always turn the appliance off before disconnecting the plug.
- 2.1.21 Never use accessories other than those recommended by the manufacturer. Failure to do so could pose a safety risk to the user and could damage the appliance. Only use original parts and accessories.
- 2.1.22 This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge.
- 2.1.23 This appliance must not be used by children under any circumstances.
- 2.1.24 Keep the appliance and its cord out of reach of children.
- 2.1.25 Always disconnect the appliance from the outlet if it is left unattended or is not in use, and before assembly, disassembly or cleaning.
- 2.1.26 Never leave the appliance unattended during use.



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2.2 SPECIAL SAFETY REGULATIONS

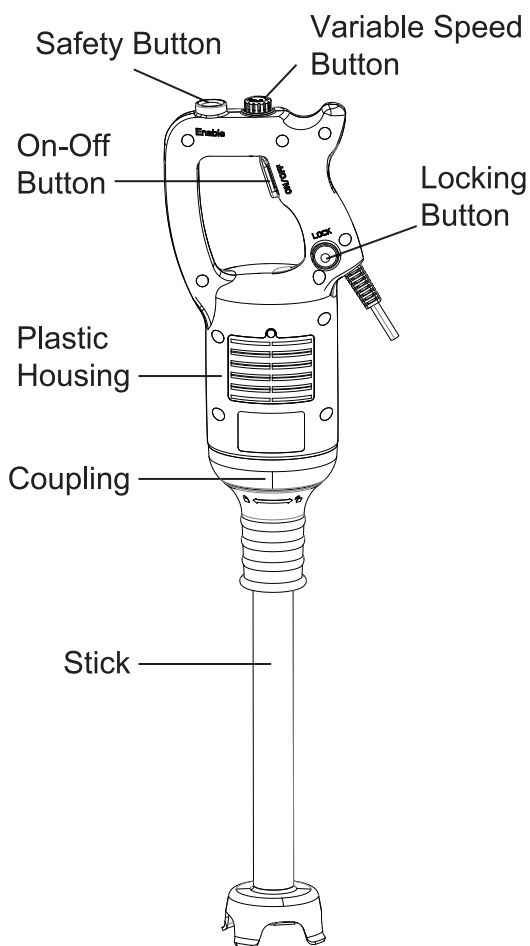
- 2.2.1 The appliance is intended for commercial and indoor use by trained and skilled personnel familiar with these instructions.
- 2.2.2 This machine is designed for food processing in restaurants, canteens and similar catering establishments.
- 2.2.3 Any other use might lead to damage to the appliance or personal injury.
- 2.2.4 Do not place the appliance on a heating object (gasoline, electric, charcoal cooker, etc.) Keep the appliance away from any hot surfaces and open flames. Always operate the appliance on a level, stable, clean, heat-resistant and dry surface.
- 2.2.5 **Danger of injury!** Care is needed when operating or cleaning. Wear protective gloves (not supplied) if necessary.
- 2.2.6 **Caution!** Securely route the power cord if necessary, in order to prevent unintentional tripping over and falling.
- 2.2.7 Do not use the appliance before it is properly assembled.
- 2.2.8 This appliance is not intended to be operated by means of an external timer or separate remote-control system.
- 2.2.9 Never bypass any safety interlocks on the appliance.
- 2.2.10 **WARNING:** ALWAYS switch off the appliance and unplug from electrical power supply before cleaning, maintenance or storage.
- 2.2.11 **WARNING:** ALWAYS keep hands, long hair and clothing away from the moving parts.
- 2.2.12 **WARNING:** Take great care when handling the cutting blade. Wear protective gloves (not supplied) if necessary.
- 2.2.13 Allow at least 5.9in(15cm) spacing around the appliance for ventilation purpose during use.
- 2.2.14 Do not wash the appliance with water or waterjet. Washing with water can cause leakage and increase the risk of electric shock. **No parts are dishwasher safe.**

APPLIANCE WARRANTY TAKKT Foodservices warrants this appliance from failures in the material and workmanship for one (1) year from the date of original purchase with proof of purchase, provided the appliance is operated and maintained in conformity with the provided Instruction Manual. Any failed part of the appliance will be repaired or replaced without charge at TAKKT Foodservices' discretion. This warranty does not cover any damage, including discoloration, to any non-stick surface of the appliance. This warranty is null and void, as determined solely by TAKKT Foodservices, if the appliance is damaged through accident, misuse, abuse, negligence, scratching, or if the appliance is altered in any way. THIS WARRANTY IS IN LIEU OF ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, PERFORMANCE, OR OTHERWISE, WHICH ARE HEREBY EXCLUDED. IN NO EVENT SHALL HUBERT BE LIABLE FOR ANY DAMAGES, WHETHER DIRECT, INDIRECT, INCIDENTAL, FORSEEABLE, CONSEQUENTIAL, OR SPECIAL, ARISING OUT OF OR IN CONNECTION WITH THIS APPLIANCE. If you think the appliance has failed or requires service within the warranty period, please contact TAKKT Foodservices at (800)543-7374. A receipt proving the original purchase date will be required for all warranty claims, hand written receipts are not accepted. You may also be required to return the appliance for inspection and evaluation. Return shipping costs are not refundable. TAKKT Foodservices is not responsible for returns lost in transit. Valid only in USA and Canada.

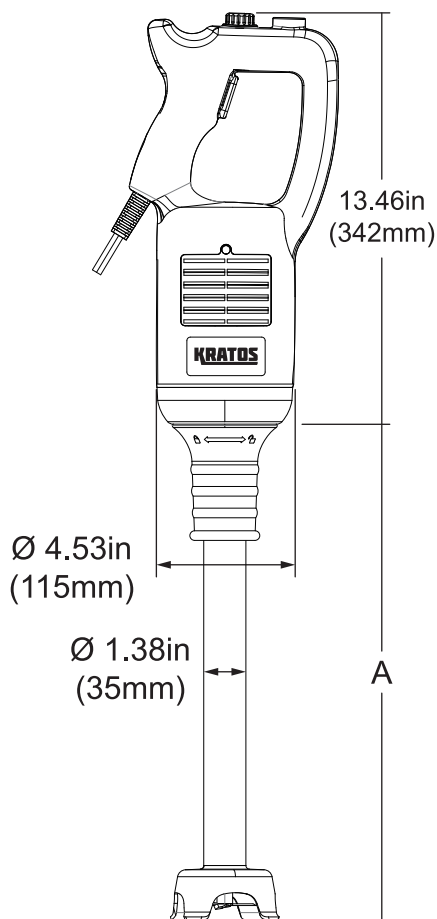
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3. PRODUCT DESCRIPTION

3.1 Parts Description



3.2 Main Technical Parameters



Attachment Length (A)	Item #	Weight	Voltage Supply	Power	Speed	Noise Level
12" (300mm)	92698	8.53lbs (3.87kgs)	100 - 120V ~ 60Hz	850W	8000 ~ 18000RPM	85 ~ 90dB
16" (400mm)	87870	9.11lbs (4.13kgs)				
18" (450mm)	67877	9.33lbs (4.23kgs)				
22" (550mm)	92688	10.12lbs (4.59kgs)				



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4 INTRODUCTION

4.1 **Preparation for first use**

- 4.1.1 Check to make sure the appliance is undamaged. In case of any damage, contact your supplier immediately and do NOT use the appliance.
- 4.1.2 Remove all the packing material and protection film (if applicable). Keep the packaging for future storage.
- 4.1.3 Clean the appliance, see: 4.6 Cleaning.
- 4.1.4 Place the food bowl or other container on a level and steady surface, unless mentioned otherwise. It is forbidden to put the machine above different objects from the working ground used in the food field of height included between 900 – 1100mm from the trampling level.
- 4.1.5 Position the appliance in such a way that the plug is accessible at all times.
- 4.1.6 Make sure the power outlet ratings correspond to the specifications printed on the rating plate.
- 4.1.7 Make sure that the machine is connected to a grounding system if it's needed.
- 4.1.8 Even if safety systems are installed on the machine, prevent approaching moving parts with hands and do not touch the machine with wet or damp hands.
- 4.1.9 **Warning!** When the whisk is used, make sure to start appliance with low speed.
- 4.1.10 **Warning!** It is forbidden to use the whisk in the machines with fixed speed.
- 4.1.11 Disconnect the machine's plug from the outlet before carrying out any cleaning or maintenance operations.
- 4.1.12 Do not clean with high-pressure water jet.
- 4.1.13 It is strongly recommended that the operator contact customer service if there is any problem or malfunction. Please do not dismantle the machine or replace with unauthorized parts.

Warning: The attachment blade must be properly immersed and used in liquid. To avoid overheating or damage, DO NOT allow it to run in air for more than 10 seconds.

4.2 The manufacturer will be not responsible for following cases:

- 4.2.1 If the machine is tampered with or safety functions are installed by non-authorized staff.
- 4.2.2 If the components are replaced by unauthorized parts.
- 4.2.3 If the instruction in this manual is not carefully followed.
- 4.2.4 If the machine surfaces are treated with unsuitable substance or solvent.

4.3 **Safety devices**

- 4.3.1 Safety Switch: The safety switch is to make sure both hands are away from the blade while starting machine.
- 4.3.2 Overcurrent protection switch (Circuit breaker): The switch is designed to protect the electrical circuit from damage caused by excess current as a result of an overload or short circuit. The switch stops the machine after a fault is detected.
Note: To reset the machine, wait a few minutes till the motor cool down, then restart the machine.

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4.4 INSTALLATION

4.4.1 Packing and unpacking

4.4.1.1 Remove all packaging materials. Keep the packaging for future storage.

4.4.1.2 After unpacking all accessories, read the manual carefully before installation.

4.4.1.3 Make sure the delivery contents are complete and free of any damage. If you find that parts are missing or show damage, do not use the appliance but contact your dealer.

4.4.2 STARTING AND STOPPING THE BLENDER

4.4.2.1 Check that the on-off button (No.3) is in the OFF position.

4.4.2.2 Insert the tube or whisk into the appliance.

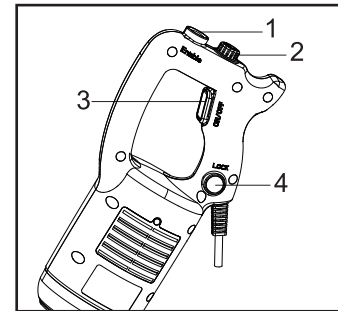
4.4.2.3 Connect the appliance to the power supply.

4.4.2.4 Press and hold down the safety button (No.1) if the appliance has.

4.4.2.5 Press the on-off button (No.3), and the blender will start up.

Now, release safety button (No.1).

4.4.2.6 To stop the blender, release the on-off button (No.3), then blender stop.



4.4.3 CONTINUOUS OPERATION

Follow above steps 4.4.2.1 to 4.4.2.6 above, then:

4.4.3.1 While the on-off button (No.3) is in the depressed position, press the locking button (No.4).

4.4.3.2 Release the on-off button (No.3), and the appliance will function continuously.

To stop the appliance, press the on-off button (No.3) and release it.

4.4.4 VARIABLE-SPEED OPERATION

Follow above steps 4.4.2.1 to 4.4.2.6, then:

Change the speed of the motor by turning the variable speed button (No.2) towards the maximum or minimum as required.

With the self-regulating speed system, once you have selected a speed, it will remain constant, even if the consistency of your mixture changes.

Warning: It is strongly advisable to start a low speed when using the variable-speed blender!

4.4.5 WORKING POSITION

4.4.5.1 **Blender function:** For better control, we recommend that you hold the blender by the handle and the bottom of the motor unit. Furthermore, we recommend that you tilt the blender at a slight angle to prevent the bell from touching the bottom of the container. Always make sure that the bell is sufficiently immersed to avoid splashing and that the air vents of the motor unit does not come into contact with any liquid. For optimum efficiency, two thirds of the tube should be immersed in preparation.

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4.4.5.2 Whisk function: You can also hold the appliance by the handle with one hand, leaving the other hand free to hold the bowl, if necessary. While you process the preparation, we recommend that you move the whisk around in the bowl, in order to ensure that the mixture is completely homogeneous. We strongly advise you to keep the whisk from touching the sides of the bowl. For maximum efficiency, at least one-fifth of the whisk length should be immersed. But never immerse the whisk holder into the preparation.

Warning: It is strongly advisable to start at a low speed when using the whisk!

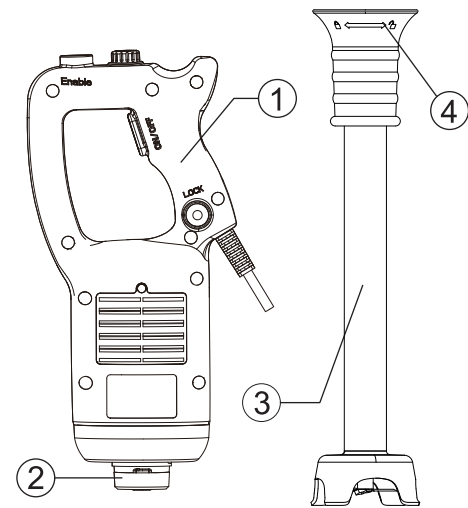
4.5 ASSEMBLING / DISMANTLING

The assembly / disassembly operations of every device of the appliance are performed with the appliance stop and with the plug disconnected from the socket.

Assembly

Align and insert the coupling (4) of the attachment (3) in the clutch (2) of the machine body (1). Be sure to align teeth of the clutch into notches found in coupling. Turn coupling clockwise to lock.

Repeat these steps in backwards order to disassemble.



4.6 CLEANING

As a precaution, always unplug your appliance before cleaning it.

4.6.1 After using the immersion blender and whisk in a hot preparation, cool the bottom of the tube in cold water before dismantling the bell from the tube. After completion of preparation, clean immediately to prevent food from sticking to surfaces.

4.6.2 Never put the motor unit and its handle in water, clean them with a damp cloth or a sponge.

4.6.3 Blender tube and bell cleaning: Place the tube and bell into a suitable container with water and switch on for a few seconds to clean the bell and tube.

WARNING: Always dry the blades thoroughly after cleaning to avoid spotting.

4.6.4 Never immerse the whisk holder in water, clean it with a slightly damp cloth or sponge.

4.6.5 It is vital to clean it thoroughly between each job using a detergent or disinfectant, but never use pure bleach. For plastic parts, do not use detergents that are too alkaline.

Warning 1: The blender tubes and whisks are not suitable for the dishwasher!

Warning 2: Blender tubes and whisk cannot be immersed thoroughly in water!

4.7 STORAGE

4.7.1 Before reassembling, make sure that all parts are dry. Before storing, remove all residues from the appliance and attachments, disconnect it from the supply and clean the appliance and its accessories thoroughly.

4.7.2 Store the appliance in a dry, protected environment at room temperature and out of the reach of children.

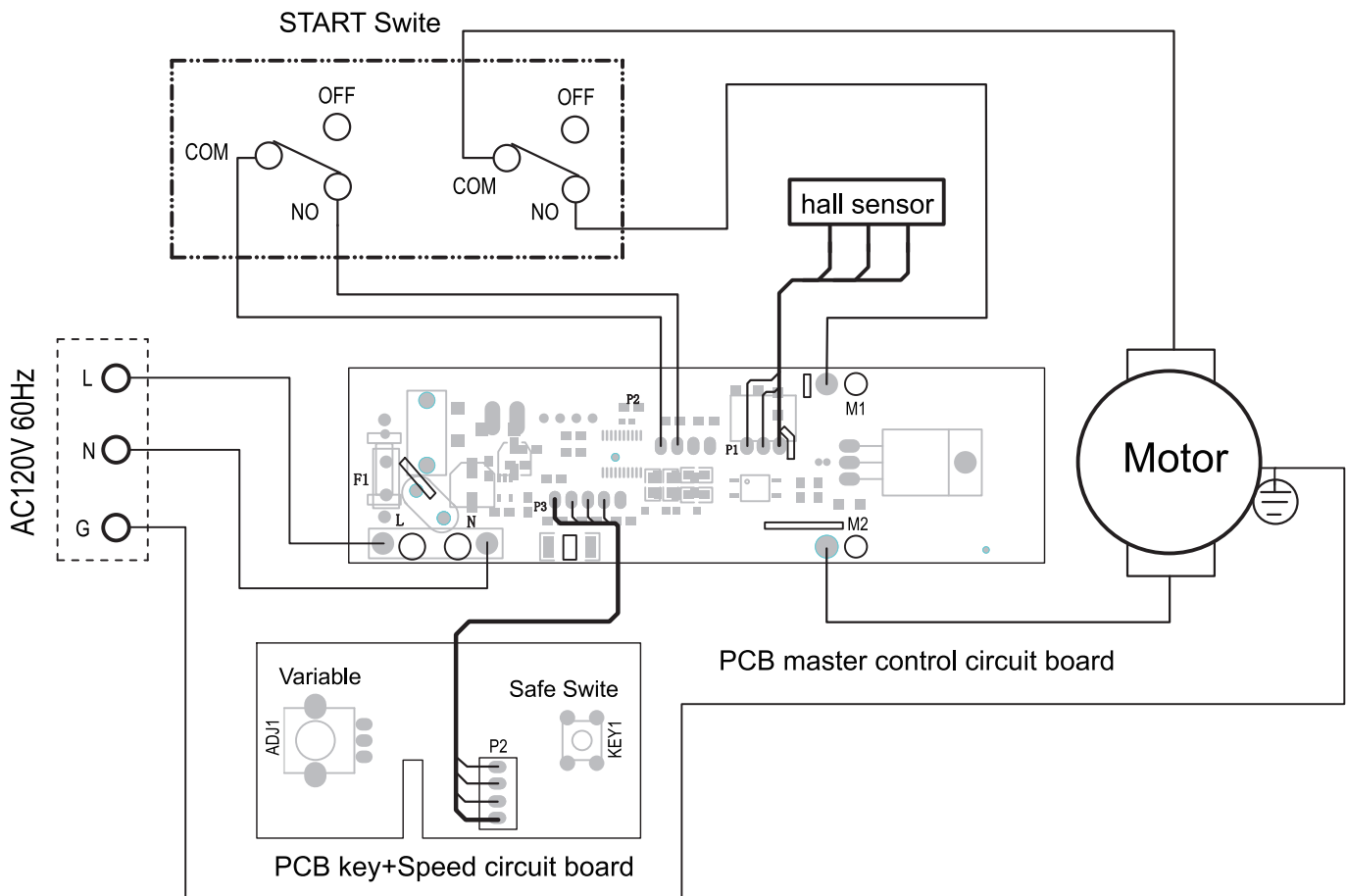
4.7.3 We recommend to put the appliance and attachments onto optional "wall hanger" (sold separately) for dry and safe storage.

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4.8 TROUBLESHOOTING

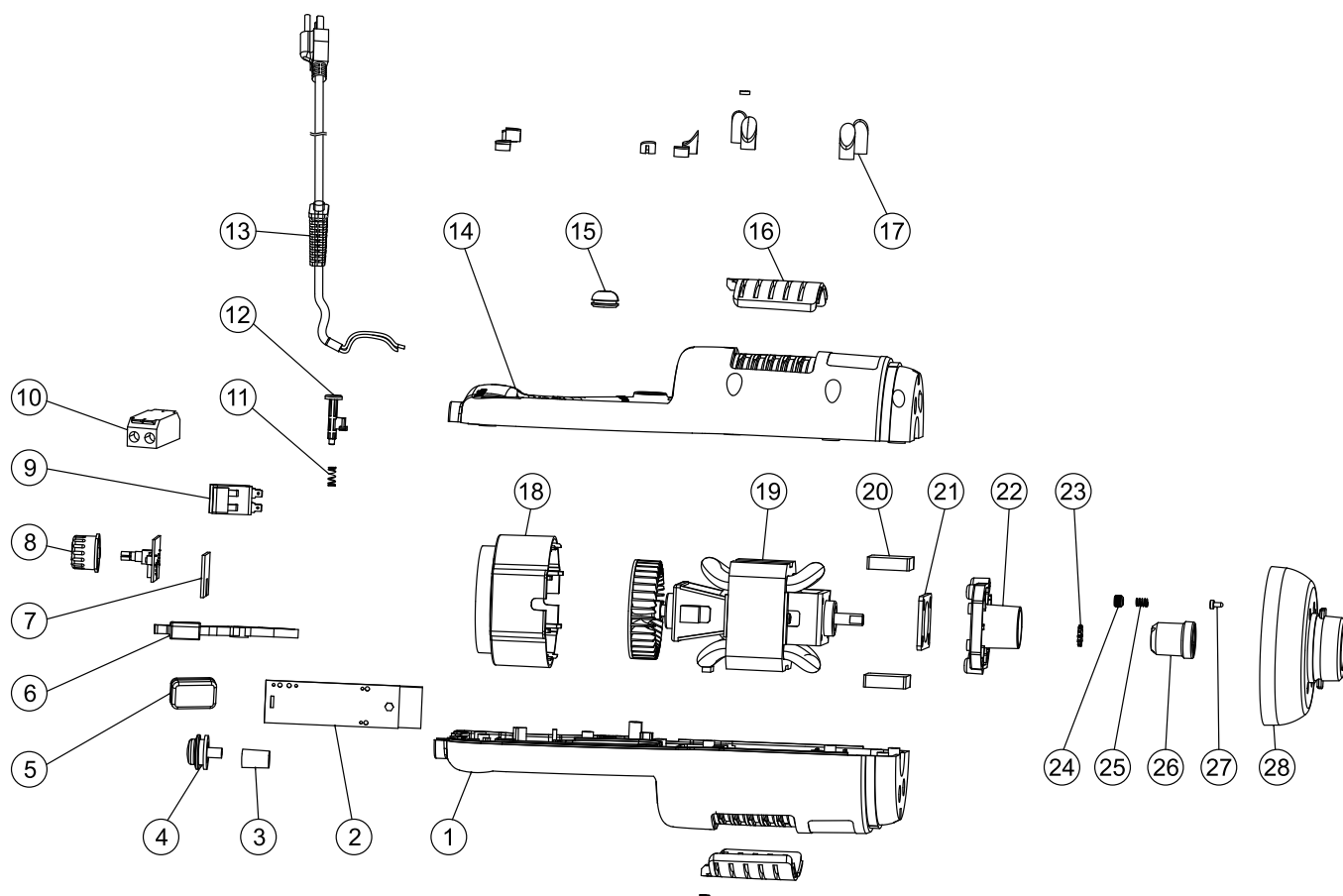
- 4.8.1** If the machine loses power due to being unplugged, release the on-off button (No.3), check the power supply and then restart the appliance.
- 4.8.2** If it is due to overheating of the machine, release the on-off button (No.3), and then unplug the appliance, wait a few minutes for the motor to cool down and the thermal safety mechanism to be reset, and then restart the appliance.
- 4.8.3** If you cannot locate the cause of the problem: release the on-off button, unplug the appliance, check below:
1. the plug.
 2. that the blades are free to rotate in the bell, be careful the blade is very sharp.
 3. the state of the power cord.
 4. the drive shaft is free to rotate. To do this, remove the bell and test the rotation of the end of drive shaft manually.
- If a malfunction occurs which is not on our list of possible faults, consult your retailer's customer service department.

5 CIRCUIT DIAGRAM



ASSEMBLY INSTRUCTIONS

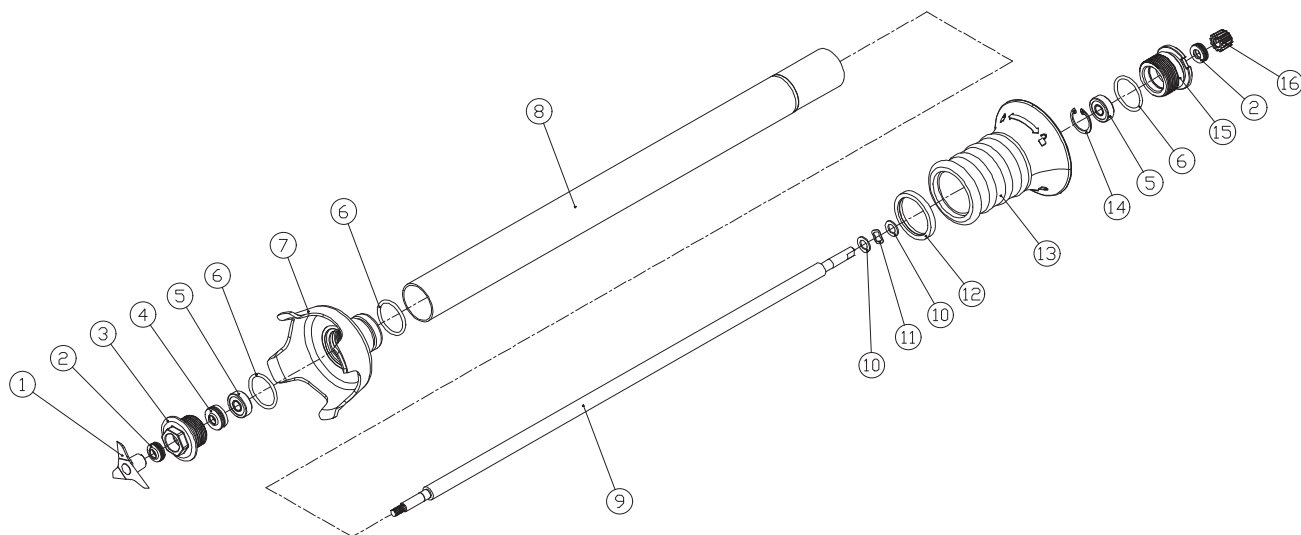
6 EXPLODED VIEW AND SPARE PARTS LISTS



No.	Name	No.	Name	No.	Name
1	Bottom Housing	11	Push Bolt Spring	21	Bracket rubber pad
2	PCB Panel	12	Interlocking Push Bolt	22	Positioning bracket
3	Safety Button	13	Power Cord	23	Insulating Gasket
4	Waterproof Cap	14	Upper Housing	24	Set screw
5	Rubber Interlocking Protector	15	Rubber Interlocking Protector	25	Positioning column spring
6	Switch Osculant Shaft	16	Air cover	26	Spline Sleeve
7	Sponge gasket	17	Screw Plungers	27	Positioning column
8	Variable Control Panel	18	Fan cover	28	Aluminium Head
9	On-off Switch	19	Motor		
10	Connection terminal	20	Motor gasket		

ASSEMBLY INSTRUCTIONS

6 EXPLODED VIEW AND SPARE PARTS LISTS (CONTINUED)



No.	Name	No.	Name	No.	Name
1	Smooth Blade	7	Blade Bell	13	Connecting Sleeve
2	Oil Seal Ø16xØ8x5	8	304 S/S Tube	14	Snap Ring
3	Bearing Fixing Seat	9	Output Axis	15	Connecting Sleeve Fixing Seat
4	Oil Seal Ø20xØ8x7	10	Flat Washer	16	Spline
5	Bearing	11	Wave Washer		
6	Seal Ring	12	Connecting Sleeve Seal		