BIHUI®

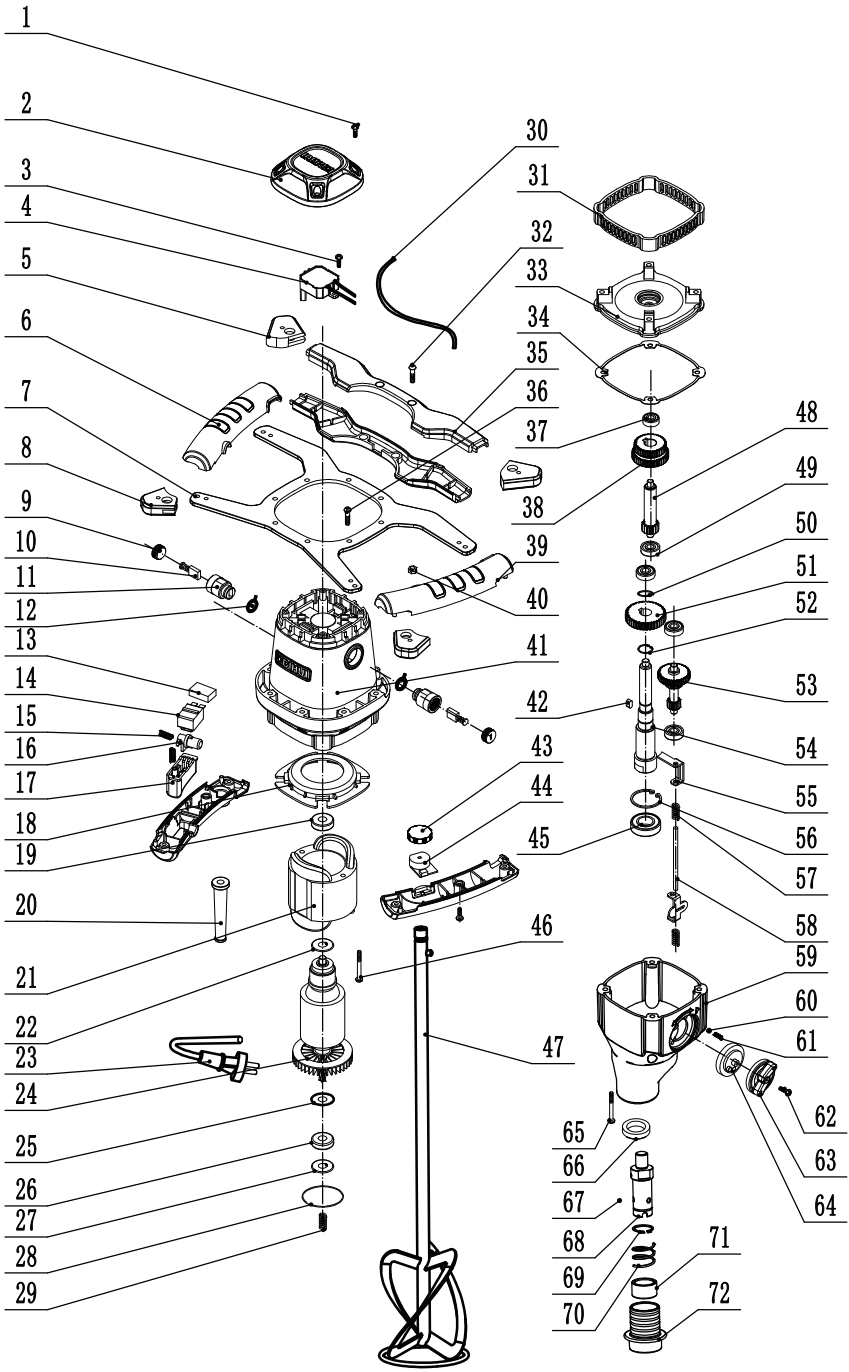
Usage Instructions

Electric Handheld Mixer

Read before use

CE

BIHUI PROFESSIONAL WARRANTY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Spare Part List

1	Cross recessed pan head screw ST4.2X14	40	Nut M5
2	Rear cover PA6-GF30	41	Case PA6-GF30
3	Cross recessed pan head screw ST3*10-F	42	Flat key 5*5*10mm
4	Soft starting mixer 110V	43	Speed control knob PA6-GF30
5	Front rubber corner guard	44	Potentiometer, wire length 380mm
6	Right handle PA6-GF30+TPR	45	Deep groove ball bearing 6003RS
7	A3 steel support	46	Cross self-tapping screw ST4*60-F
8	Rear rubber corner guard rubber	47	Mixing rod
9	Brush grip cover	48	Second gear shaft,40Cr
10	Carbon brush	49	Deep groove ball bearing 607Z
11	Brush grips	50	Circlip Φ14 RL
12	Brush spring	51	Output teeth 40Cr
13	Capacitance 0.33μF,X2 lead length 130mm, strip wire 6mm	52	Circlip φ17
14	Switch 30A 60VDC T85 5E4	53	The first driving gear shaft,40Cr+ fine hobbing
15	Switch spring ,65Mn, Φ0.8*Φ7*27.5	54	Output shaft 40Cr
16	Self-locking button PA6-GF30	55	Shift pad Q235 black
17	Switch button PA6-GF30	56	Circlip φ35
18	Windshield PA6-GF30	57	Pick spring,carbon steel φ1*φ5*17
19	Deep groove ball bearing 608RS	58	Paddle connecting rod
20	Wire sheath PVC	59	Head shell ADC12 spray
21	Stator 220-240V 1800W	60	Small steel ball Φ4
22	Gasket 9*14	61	Small spring carbon steel 0.5*4*12
23	Power cable, 2*1.5mm² VDE	62	Cross pan head screws ST4*12
24	Rotor 220-240V,1800W	63	Knob inner PA6-GF30
25	Gasket,inner hole 10mm	64	Gear knob PA6-GF30
26	Deep groove ball bearing 629RS	65	Cross pan head screws ST5*55
27	Felt wool φ21X9X2mm	66	Oil seal φ22X32X7
28	O-ring φ27X1.8mm	67	Steel ball carbon steel Φ5
29	Oil spring0.6*9.2*16mm	68	Circlip Φ22
30	Lead H05VVH2-F 2*1.0mm² Length 400mm two ends open tail 100mm stripped wire 6mm	69	Quick connection shaft
31	Exhaust decorative ring PA6-GF30	70	Compression spring Φ2*Φ25*25.6"
32	Hexagon socket screw M5*30	71	Sliding sleeve
33	Middle cover ADC12 spray	72	Lock cover PA6-GF30
34	Paper pad		
35	Cable protection board PA6-GF30		
36	Hexagon socket screw M5*25		
37	Deep groove ball bearing 608ZZ		
38	Change gear 40Cr		
39	Left handle PA6-GF30+TPR		

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Symbols

The following are the icons that are used for the tool. Make sure you fully understand them before using them.

	Read the instruction manual		Class II machine
	CE mark		Wear safety gloves
	Caution		Wear hearing protectors
	Conforms to WEEE		Wear safety glasses
	Class II machine		Warning risk of cutting by the saw
	ETL mark		Use of segmented blades prohibited

1. Safety Warnings

⚠ Caution

Read all safety instructions and warnings provided with power tool. Failure to follow the instructions below may result in electric shock, fire and / or serious injury.

Keep all warnings and instructions for future reference.

The term "power tool" used in the safety instructions refers to mains operated power tools (with power cord) or to battery operated tools (without power cord).

General safety warnings for power tools

1.1 Safety in work area

a) Keep your work area clean and well lit. Disarray or unlit work areas can lead to accidents.

b) Do not work with the power tool in a potentially explosive environment in which flammable liquids, gases or dusts are present. Power tools generate sparks that can ignite the dust or fumes.

c) Keep children and bystanders away while using the power tool. Distractions can result in a loss of control.

1.2 Electrical Safety

a) The plug of the power tool must fit into the socket. The plug must not be changed in any way. Do not use adapter plugs together with electrically grounded power tools. Unmodified plugs and matching sockets reduce the risk of electric shock.

b) Avoid body contact with grounded surfaces such as pipes, heaters, stoves, and refrigerators. There is an increased risk of electric shock if your body is grounded.

c) Keep power tools away from rain or moisture. The penetration of water into a power tool increases the risk of electric shock.

d) Do not misuse the power cord to carry the power tool, hang it up, or unplug it from the power outlet. Keep the connection cable away from heat, oil, sharp edges or moving parts. Damaged or entangled leads increase the risk of electric shock.

e) When working outdoors with a power tool, only use extension cables that are also suitable for outdoor use. Using an extension cord suitable for outdoor use reduces the risk of electric shock.

f) If operation of the power tool in a damp environment is unavoidable, use a residual current device. Using a residual current circuit breaker reduces the risk of electric shock.

1.3 Personal Safety

a) Be attentive, pay attention to what you are doing and be reasonable about working with a power tool. Do not use a power tool when you are tired or under the influence of drugs, alcohol or medication. A moment of carelessness when using the power tool can cause serious injury.

b) Wear personal protective equipment and always safety goggles. Wearing personal protective equipment such as a dust mask, non-slip safety shoes, hard hat or ear protection, depending on the type and use of the power tool, reduces the risk of personal injury.

c) Avoid unintentional startup. Make sure that the power tool is switched off before connecting, receiving or carrying it to the power supply and / or the battery. Keeping your finger on the switch when you are wearing the power tool or plugging the power tool into power can cause an accident.

d) Remove setting tools or wrenches before turning on the power tool. A tool or key located in a rotating part of the power tool can cause injury.

e) Avoid an abnormal posture. Ensure a secure footing and maintain balance at all times. This allows you to better control the power tool in unexpected situations.

f) Wear suitable clothing. Do not wear loose clothing or jewelry. Keep hair and clothing away from moving parts. Loose clothing, jewelry or long hair can be caught by moving parts.

g) If dust extraction and collection equipment can be installed, they must be connected and used properly. Using a dust extractor can reduce dust hazards.

h) Do not weigh yourself in false safety and do not overstep the safety rules for power tools, even if you are familiar with the power tool after many uses. Careless action can lead to serious injuries within fractions of a second.

1.4 Use and care of the power tool

a) Do not overload the power tool. Use the appropriate power tool for your work. With the right power tool you work better and safer in the specified power range.
b) Do not use a power tool whose switch is defective. A power tool that can not be turned on or off is dangerous and must be repaired.
c) Unplug the power cord and / or remove a detachable battery before making any adjustments to the device, changing the tool bits, or putting the power tool away. This precaution prevents the unintentional start of the power tool.
d) Store unused power tools out of the reach of children. Do not allow persons to use the power tool that are unfamiliar or have not read these instructions. Power tools are dangerous when used by inexperienced people.
e) Maintain power tools and insert tools with care. Check that moving parts are working properly and do not jam, that parts are broken or damaged enough to impair the functioning of the power tool. Have damaged parts repaired before using the power tool. Many accidents are caused by badly maintained power tools.
f) Keep cutting tools sharp and clean. Carefully maintained cutting tools with sharp cutting edges become less jammed and easier to guide.
g) Use power tools, accessories, tools etc. according to these instructions. Take into account the working conditions and the activity to be performed. The use of power tools for other than intended applications can lead to dangerous situations.
h) Keep handles and grips dry, clean and free of oil and grease. Slippery handles and gripping surfaces do not allow safe operation and control of the power tool in unforeseen situations.

1.5 Use and care of the battery tool

a) Charge the batteries only with chargers recommended by the manufacturer. A charger suitable for a particular type of battery may cause a fire when used with other batteries.
b) Use only the appropriate batteries in the power tools. Use of other batteries may cause injury or fire.
c) Keep the unused battery away from paper clips, coins, keys, nails, screws, or other small metal objects that could cause the contacts to bridge. A short circuit between the battery contacts can cause burns or fire.
d) If used incorrectly, liquid may leak from the battery. Avoid contact with it. In case of accidental contact, rinse with water. If the fluid gets into your eyes, seek additional medical attention. Leaking battery fluid may cause skin irritation or burns.
e) Do not use a damaged or modified battery. Damaged or altered batteries can behave unpredictably and cause fire, explosion or injury.
f) Do not expose a battery to fire or high temperatures. Fire or temperatures over 130 ° C can cause an explosion.
g) Follow all charging instructions and never charge the battery or the cordless tool outside the temperature range specified in the operating instructions. Incorrect charging or charging outside the permitted temperature range can destroy the battery and increase the risk of fire.

1.6 Service

a) Only have your power tool repaired by qualified personnel and only with original spare parts. This ensures that the safety of the power tool is maintained.
b) Never use damaged batteries. All battery maintenance should only be done by the manufacturer or authorized service centers. Follow the instructions for lubricating and changing accessories.

Additional safety warning from the manufacturer

- Firmly tighten the mixing paddle, and remove the spanner before starting the machine.
- Never mix or stir explosive or inflammable substances.
- When mixing, wear proper personal protection measures for eyes, ears, hands and breathing.
- This appliance is not suitable for mixing foodstuffs.
- The appliance cannot be adequately cleaned in order to comply with hygiene regulations.
- Always check that the supply voltage is the same as the voltage indicated on the nameplate of the tool.
- Never reach with your hand or any other objects into the mixing container during mixing.
- Always disconnect plug from power source before making any adjustment or changing any accessory.

2. Application

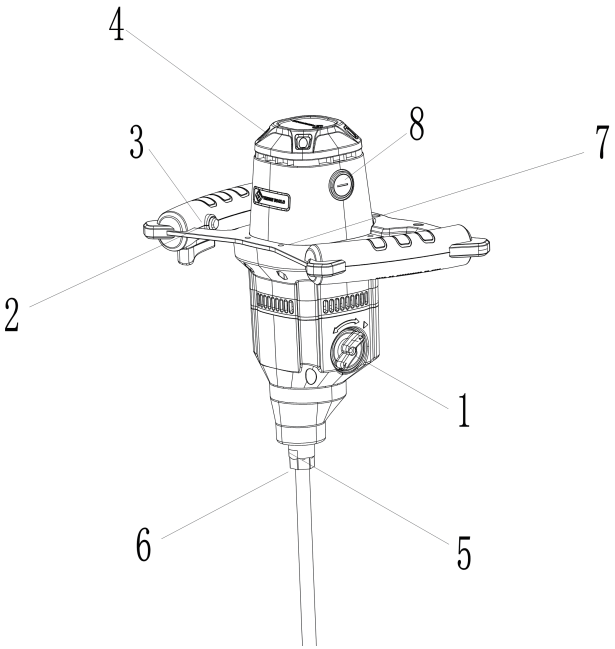
- Variable and constant speed
- Quick assembly mixing paddle
- Electronic soft start function
- Maximum Mixture loading 85L
- Suitable for mixing cement, paints, tile adhesive, glue etc

Technical Data

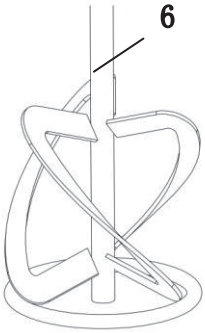
Model	MMB1800	MMB1800A
Voltage/Frequency	230V~ 50Hz	110V~ 60Hz
Input Power	1800W	1800W
No Load speed	1st Gear 200-480min^{-1} 2nd Gear 300-750min^{1}	
Accessories	Two-section mixing paddle 615mm x 160mm x M14	

Manufacturer reserves the right to change specifications without notice.
Specifications may differ from country to country

3. Assembly Instruction



1.Gear Change Switch
2.Trigger
3.Trigger Lock
4.Ventilation Slits
5.Shaft With M14 Female Thread
6.Mixing Paddle
7.Variable Speed Dial
8.Brush Holders



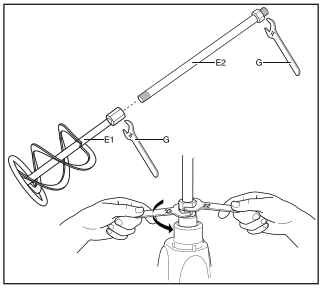


Fig. 1

- Always unplug the machine from the mains before fitting a mixing paddle.
- Mount mixing paddle (E) onto spindle (D) as illustrated. (Fig.1)

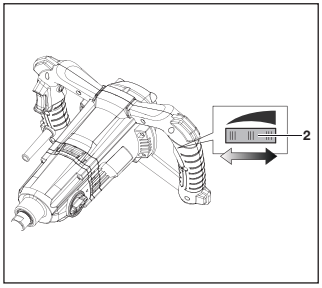


Fig. 2

- Connect plug to power source.
- Ensure the mixing container is securely positioned on the floor.
- Dip the mixing paddle into the substance to be mixed.
- Set speed selection wheel (C) to low speed.(Fig. 2)

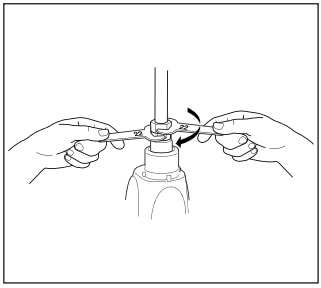


Fig. 3

- To remove the mixer bar, unscrew it from the mixer spindle in an anticlockwise direction. The mixer bar can become rather tight in the holder. in that case, use a spanner to keep the holder from turning. (Fig. 3)

⚠ Caution

Switch the tool OFF only when the mixing paddle is in the mixing container

4. Using Instruction

Pre start-up inspection.
The following Pre-start-up inspection must be performed before the start of each work session or after every four hours of use, whichever is first. Please refer to the service section for detailed guidance. If any fault is discovered, the Promix must not be used until the fault is rectified.

- Thoroughly inspect the mixer for signs of damage. Check components are presentand secure. Pay special attention to the Mixing Paddle, and ensure it is correctlyattached to the handle.
- Check electricity cables for signs of exposed wires. Fix any exposed areas beforeoperating.

During the mixing process, slowly move the machine around the mixing container.
This should be continued until all of the mixing material has been mixed.
Once the mixing process has been completed, clean the mixing paddle (6) to stop the build up of dirt and residue.

Starting current limiting
The electronically controlled soft start ensures
That the machine starts smoothly.This also preven-ts spray from thin liquids when the tool is switch on.
The lower starting current means the a 16A fuse is large enough for the machine.

Idling speed reduction
The electronic control lowers the speed of the machine during idling. This reduces noise and wear on the motor and gears.

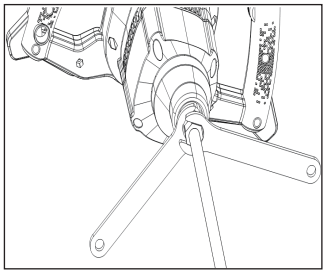
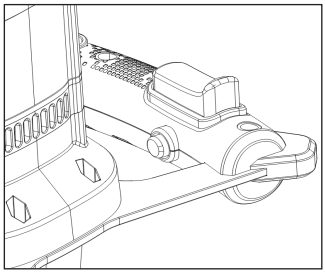
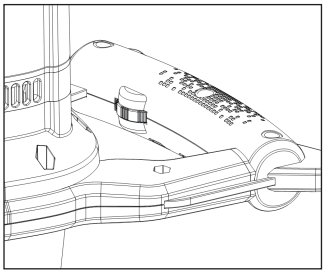
Constant electronics
The constant electronic controller keeps the speed virtually constant during idling and under a load.
This guarantees that materials are mixed uniformly.

Electronic overload protection
An electronic overload device protects the motor against damage when the tool is under an extreme losd.
In this case, the motor stops and only starts up again when the feed is reduced or the load re-moved.

Temperature-dependent overloadprotection
To prevent the motor from overlheating under an Extreme continuous load, the safety electronicsswitches the motor off when it reaches a critical temperature. After a cooling-down time of around 3-5 min.
The machine is ready for operation at full load. If the tool is warm from operation, the temperature dependent overload protection will respond earlier

Note: Thenumbers shown in brackets refer to the pictures shown in the Machine Description section of the booklet.

The machine is ready for use once all packaging has been removed. Screw the tool onto mixer's threaded hub and tighten with the 22 mm Spanner provided **Always** operate the machine with both hands on the handle. Press and hold the trigger (2) to commence the mixing process.
Once the trigger (2) is in the 'ON'position, push the trigger lock button (3). This will hold the trigger (2) in the 'ON'position without the use of your hand. To stop the machine, push and release the trigger (2).
Machines with 2-speed gearboxes have 2 speeds available. The first gear is the slow speed, and the second gear is the fast speed. To change from one gear to the other, turn the gear change switch (1) through 180O. There is also a VariableSpeed Dial (7) available which allows you to vary the speed of the machine when using either of the 2 gears.
Always reduce the speed when placing the mixing paddle into the mixing material, and also when removing it. Once the mixing paddle (6) is completely clear of the mixing material, increase the speed again to ensure that the motor is adequately cooled.

Storage
The machine should be stored in a dry area which is not exposed to extreme temperatures.

5. Cleaning and Maintenace

Note: Please ensure a qualified electrician carries out all maintenance procedures.

The mixer is designed to give many years of trouble free operation. It is, however, important that the simple regular maintenance listed in this section is carried out. It is recommended that an approved we dealer carries out all major maintenance and repairs.
Always use genuine replacement parts, the use of spurious parts may void your warranty. Before any maintenance is carried out on the machine, ensure it is unplugged.

Routine Maintenance		Approx.75 Hours	Approx.150 Hours
Motor Brushes	Check	√	
	Change When Necessary		
Gearbox Grease	Check/Replace		√

The machine is fitted with self-deactivating carbon motor brushes. This means that the machine will automatically switch off once the brushes have been worn down to a certain level. See the instructions below on how to replace then .
Replacing the Carbon Motor Brushes.
1.Using a flat-blade screwdriver, unscrew the two brush holders (8) which arelocated on either side of the motor casing.
2.Remove the worn out brushes, and replace with new brushes.
3.Re-tighten both brush holders (8) ensuring that the brushes are securely fitted.

Also keep the ventilation slits (4) clear of dirt and residue so that the machine can be cooled adequately.
Note: The numbers shown in brackets refer to the pictures shown in the Machine Description section of the booklet.

6. Accessories

- Accessory is recommended for use with your device specified in this manual.
- Using other accessories or attachments may result in personal injury. Only use accessories or accessories for the stated purpose.
- Carbon brushes
- Mixing paddle
- Wrench

7. Warranty

- The guarantee covers all manufacturing or assembly defects in accordance with the legislation in force. The guarantee does not cover malfunctions caused by improper use, overloads, failure to follow the operating instructions and normal wear and tear.
- For more detials and information, consult the general guarantee conditions at **www.bihuitools.com**

8. Trouble Shooting

Problems	Reasons	Solution
Machine not running	1. Carbon brushes worn out 2. Motor abnormality	1.Replace the carbon brush: Observe the wear of the carbon brush, replace the carbon brush, turn on the power and observe whether the machine works normally. 2.Replace the motor with one of the same specification.
The machine runs but does not work	The shift knob is not in place	Adjust the shift knob to the correct position
The machine has no speed adjustment function	Speed controller failure	Replace the speed controller