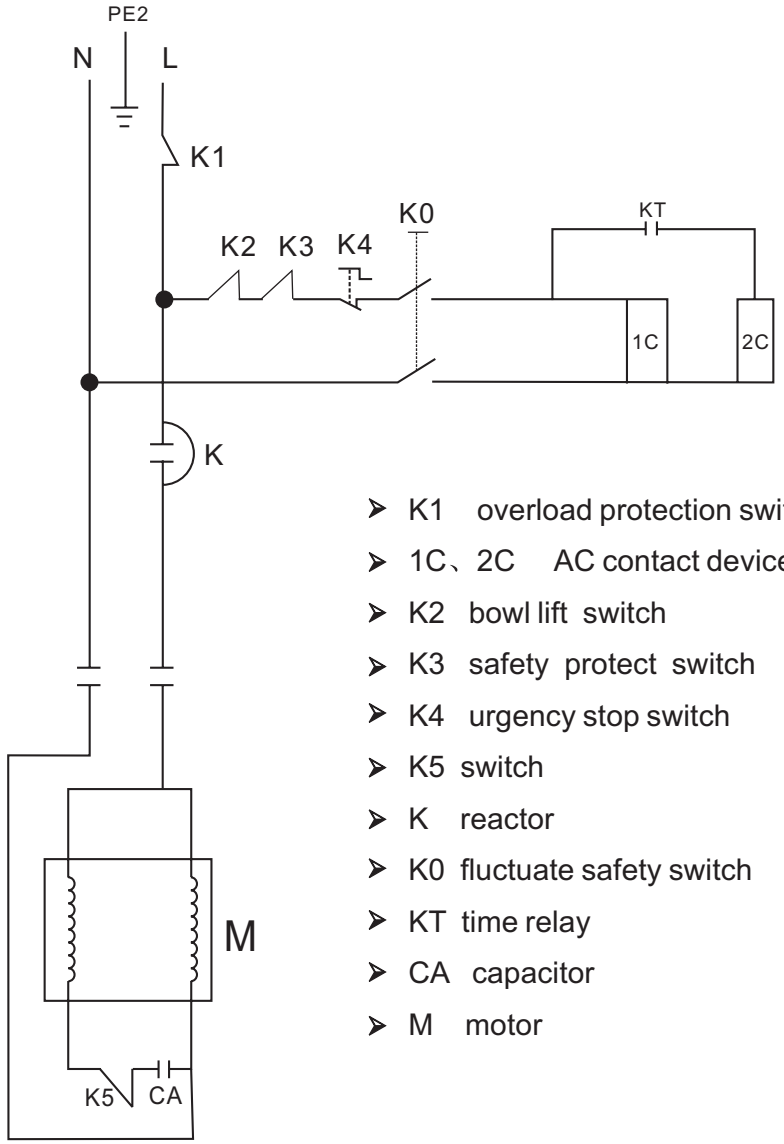
## ELECTRIC DIAGRAM



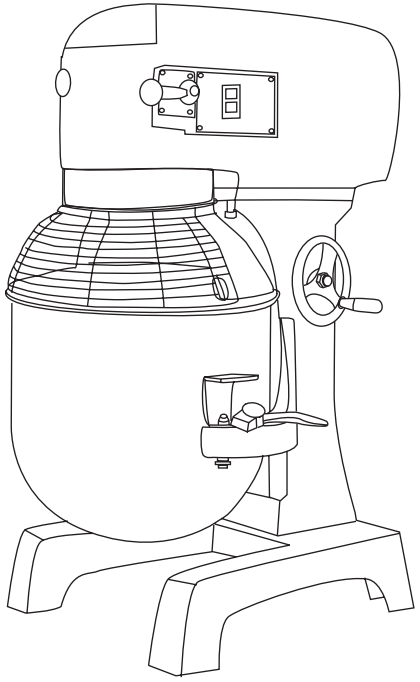

- K1 overload protection switch
- 1C、2C AC contact device
- K2 bowl lift switch
- K3 safety protect switch
- K4 urgency stop switch
- K5 switch
- K reactor
- K0 fluctuate safety switch
- KT time relay
- CA capacitor
- M motor



# B10F / B15F

# MIXER USER MANUAL

CE



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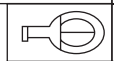
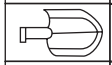
# TROUBLE SHOOTING AND SPECIFICTION

## TROUBLE SHOOTING

| Trouble | Possible Causes | Re-cover |
|---|---|---|
| The axle can't work when operate the machine. | Poor contact of the electrical equipment. | Check the plug. |
| The mixing bowl out of position. | Moving direction is not correct. | |
| Leak oil. | Sealing washer is damaged. | Change. |
| Defficult to move the bowl up and down. | Slideway is rusted. | Clean the slideway and lubrication. |
| The motor is overheat and speed down. | The voltage is not enough, or incorrect speed. | Check the voltage or use lower speed. |
| Noise and over heat. | Poor lubrication. | Add or change lubrication. |
| Mixer touch the bowl. | The mixing device or bowl deformed. | Repair or change the bowl or mixing device. |

## SPECIFICTION

| Type | | B10F | B10F | B15F | B15F |
|---|---|---|---|---|---|
| Mixer（L） | | 10 | 10 | 15 | 15 |
| Power Supply（V） | | 220V / 230V | 110V / 120V | 220V / 230V | 110V / 120V |
| Input Power（W） | | 600 | 600 | 600 | 600 |
| Mixing Speed （r.p.m） |  | 480 | 508 | 480 | 508 |
| |  | 244 | 258 | 244 | 258 |
| | | 148 | 156 | 148 | 156 |
| Maxflour Capacity(kg) | | 2.5 | 2.5 | 3.5 | 3.5 |

# WARNING AND SPECIAL ATTENTION

## WARNING

1 DON'T USE WATER PIPE TO WASH THE MIXER DIRECTLY;
2 PLEASE PULL OFF THE PLUG BEFORE MAINTAINNING, AND MAKE IT MAINTAINED BY PROFESSIONALS;
3 DON'T TOUCH THE SWITCHS AND PLUG WITH WET HAND;
4 IF BROKEN, PLEASE STOP USING AT ONCE
5 THERE IS A GROUNDED NUT (SIGNED " ⏚ ") IN THE MACHINE, PLEASE RECOVER IT TO ORIGIN CONDITION, DON'T CANCEL THE GROUNDED LINE;
6 DON'T PUT HANDS INTO THE BOWL OR TOUCH THE MIXING DEVICES WHEN WORKING;
7 DON'T ALLOW THE MINOR CLOSE TO THE MACHINE;
8 THE MACHINE SHOULD BE FIXED ON THE DRY WOODEN SPLINT AND WORK IN SAFE AREA;
9 IF THE ELECTRICAL WIRE IS BROKEN, PLEASE CHANGE IT BY PROFECTIONALS.

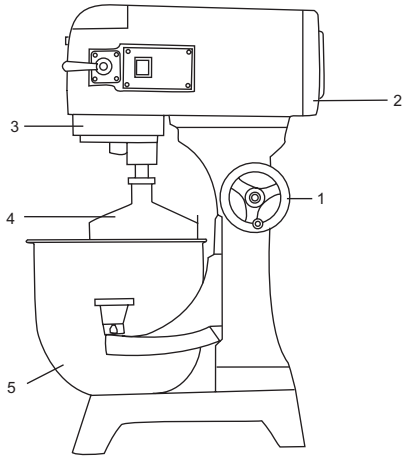
## SPECIAL ATTENTION

1 BEFORE USING , PLEASE CLEAN THE BOWL AND THE MIXING DEVICES CAREFULLY, AND THEN INSTALL THE BOWL ONTO THE MACHINE CORRECTLY AND TIGHTLY;
2 WHEN CHOOSING MIXING DEVICES, PLEASE REFER TO THE OPERATION MANUAL TO CHOSE THE CORRECT SPEED, OR IT WILL DESTORY THE INSIDE SPARE PARTS AND SHORTEN THE USING LIFE OF THE MACHIE;
3 AFTER USING, PLEASE POWER OFF THE MACHINE, AND PUT THE BOWL AND DEVICES IN THE SAFE AND CLEAN PLACE AFTER CLEANING;
4 KEEP ENVIROMENT ARROUND THE MACHINE DRY 、 HEALTH AND SAFE.

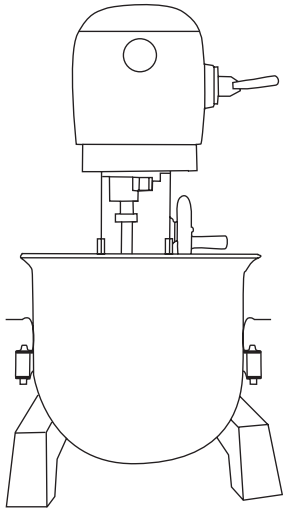


B10F/B15F Mixer Parts List

# PARTS CATALOG OVERVIEW



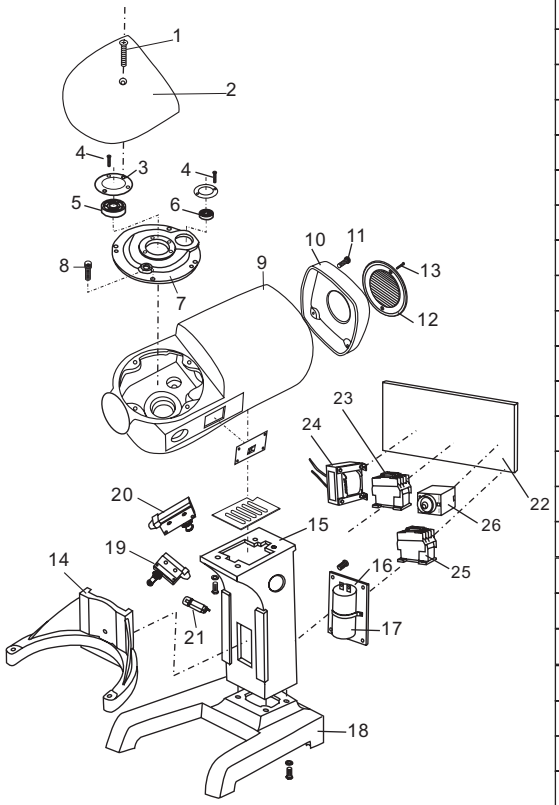

| Item | Descviption |
|---|---|
| 1 | french |
| 2 | rear cover |
| 3 | ring |
| 4 | Mixing device III |
| 5 | bowl |



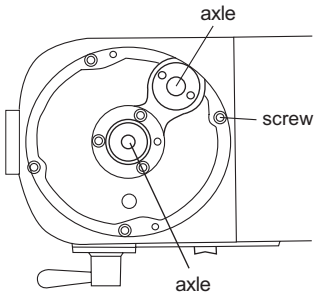
NOTES:

- The no using pipe line sprays to wash the mixer。
- Wet hand in no using contact switch with power supply plug.
- While maintaining the mixer, must pull out first the power supply plug, and from profession the personnel maintains.

## Figure 1 TRANSMISSION CASE, ARM, STAND




| Item | Descviption | Qty |
|---|---|---|
| 1 | screw M5*35 | 1 |
| 2 | cover | 1 |
| 3 | plate | 1 |
| 4 | screw M5*12 | 5 |
| 5 | bearing 6202 | 1 |
| 6 | bearing 6201 | 1 |
| 7 | bearing cover | 1 |
| 8 | screw M5*20 | 4 |
| 9 | body | 1 |
| 10 | rear cover | 1 |
| 11 | screw M6*55 | 4 |
| 12 | breeze window | 1 |
| 13 | screw M5*12 | 1 |
| 14 | arm | 1 |
| 15 | stand | 1 |
| 16 | capacitor board | 1 |
| 17 | capacitor | 1 |
| 18 | seat | 1 |
| 19 | safefy covering switch | 1 |
| 20 | fluctuate safety switch | 1 |
| 21 | overload protection switch | 1 |
| 22 | board | 1 |
| 23 | AC contact device | 1 |
| 24 | reactor | 1 |
| 25 | AC contact device | 1 |
| 26 | timer relay | 1 |



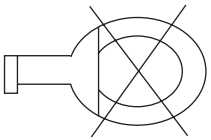
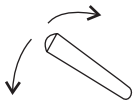
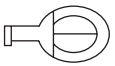
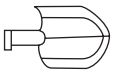

NOTES

➢ Machine at a factory hour have added to note the superior quality lubricates the grease, usually the circumstance bottom can use for several years, but machine is after maintaining, must replace the lubrication grease.

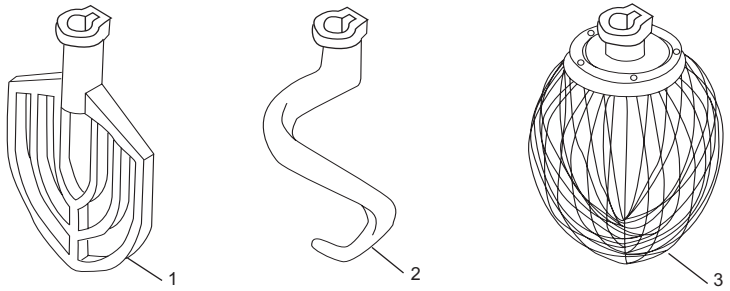


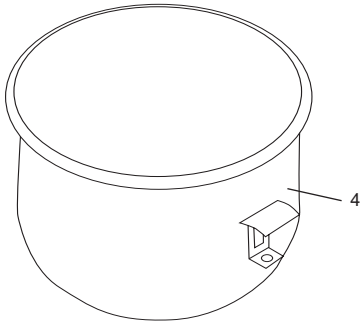
B10F/B15F Mixer Parts List

# OPERATION INSTRUCTION

| | |
|---|---|
| 110V 220V 230V | ➢ Before using, please check power supply if it match your machine and be sure ground wire is eliable. |
|  | ➢ Before testing, please take mixing device off first, in order to avoid damage machine which is match moving direction. It's necessary to change the three-phase machine if the moving direction is not match with arrow. |
| OFF | ➢ For changing the speed: Please stop machine first before change speed in order to aviod damage gear box. |
|  | ➢ Mixing: according to the different mixing-material. Choose the different mixing devices and speed. |
| A  | ➢ A: Be suitable for mix and stir butter, eggs, and work with in high speed, working time is less than 15 minutes. |
| B  | ➢ B. Be suitable for mix and stir stuffing and raw material, and work in middle speed, working time is less than 20 minutes. |
| C | ➢ C: middle position is suitable for mixing dough, working time is less than 30 minutes.Flour water quantity is 40%-50%. |

## Figure 9 STANDARD ACCESSORIES




| Item | Descviption | Qty |
|---|---|---|
| 1 | Mixing device I | 1 |
| 2 | Mixing device II | 1 |
| 3 | Mixing device III | 1 |
| 4 | bowl | 1 |

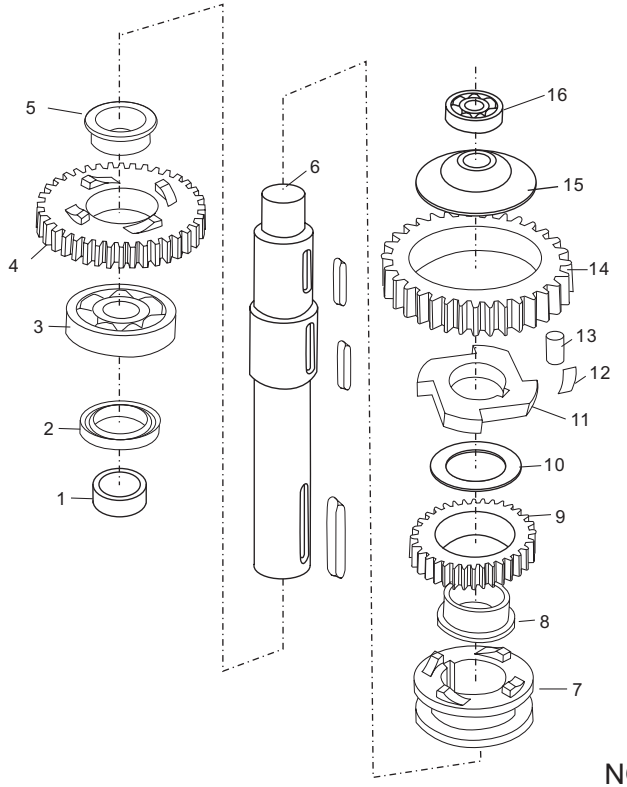
NOTES

- Any agitator is easily installed by simply raising it onto the mixing axle, and then rotating it counter-clockwise on the shaft until into place. To remove, raise the agitator on the shaft until it clears the lock and then rotate clockwise and lower.



B10F/B15F Mixer Parts List

## Figure 2 AXLE




| Item | Descviption | Qty |
|---|---|---|
| 1 | cover | 1 |
| 2 | oil seal 25*40*10 | 1 |
| 3 | bearing 6204 | 1 |
| 4 | big joint gear | 1 |
| 5 | bearing ring | 1 |
| 6 | axle | 1 |
| 7 | joint | 1 |
| 8 | bearing ring | 1 |
| 9 | joint gear | 1 |
| 10 | dividing ring | 1 |
| 11 | engager | 1 |
| 12 | spring | 8 |
| 13 | roller | 4 |
| 14 | gear ring | 1 |
| 15 | plate ring | 1 |
| 16 | bearing 6001 | 1 |

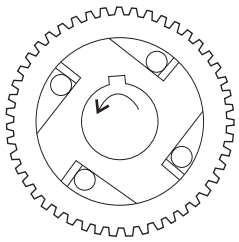


FIGURE 2-1

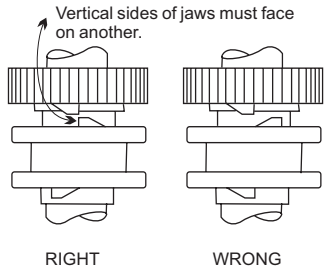
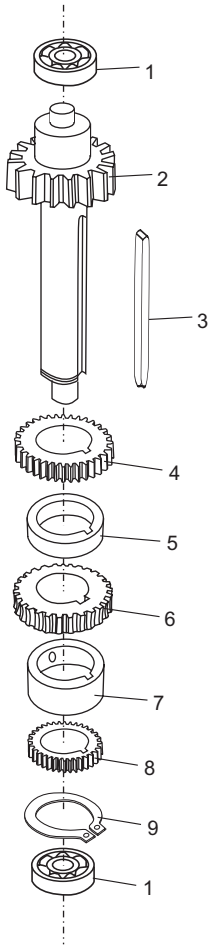



FIGURE 2-2

NOTES

- Be sure to install correct position (see Figure 2-1) and lubricate all of the pins in the sleeve drive when reassembling.
- Joint (7) must always be raised and lowered smoothly. Be sure joint sleeve as shown in Figure 2-2.
- Check oil seal, if serious oil leaks from drip cup.

## Figure 3 GEAR AXLE




| Item | Descviption | Qty |
|---|---|---|
| 1 | bearing 6001 | 2 |
| 2 | gear axle | 1 |
| 3 | key 5*58 | 1 |
| 4 | gear | 1 |
| 5 | collar | 1 |
| 6 | gear | 1 |
| 7 | long collar | 1 |
| 8 | gear | 1 |
| 9 | stop ring | 1 |

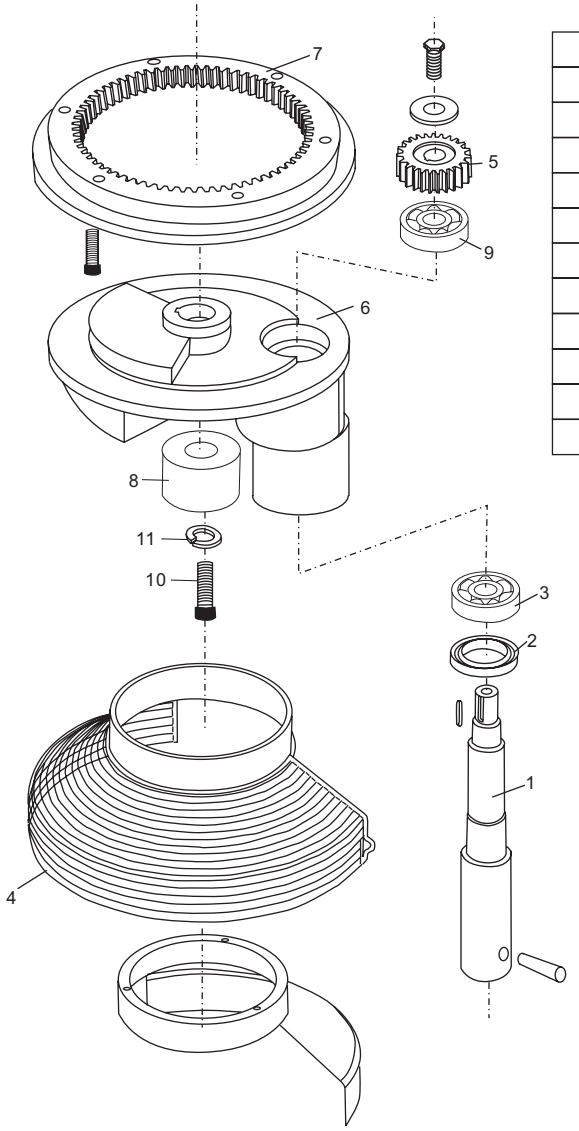
NOTES

- Be sure that the keys are inserted for each gear.



B10F/B15F Mixer Parts List

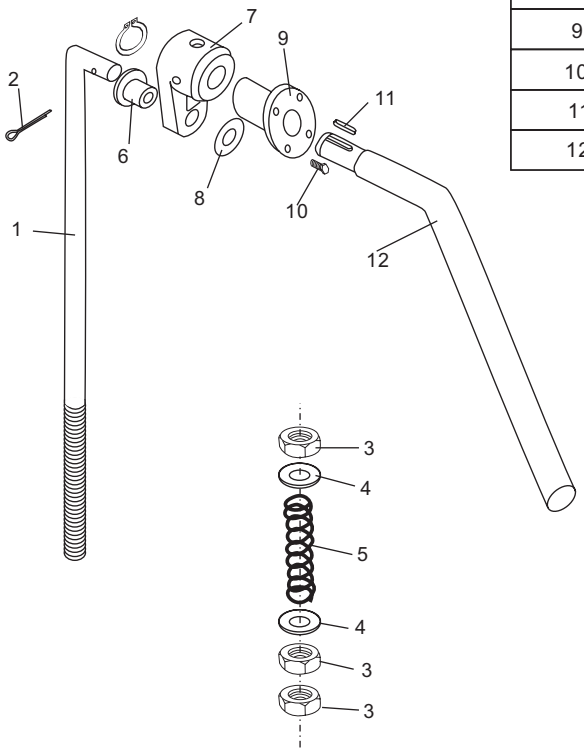
## Figure 8 TURNING PLATE AND MIXING AXLE




| Item | Descviption | Qty |
|---|---|---|
| 1 | mixing axle | 1 |
| 2 | Oil seal 20*40*10 | 1 |
| 3 | bearing 6003 | 1 |
| 4 | safety net | 1 |
| 5 | planetary gear | 1 |
| 6 | turning plate | 1 |
| 7 | inner gear | 1 |
| 8 | cover | 1 |
| 9 | bearing 6203 | 1 |
| 10 | screw M8*20 | 1 |
| 11 | ring | 1 |

## Figure 7 HANDGRIP TYPE BOWL LIFTER UINT

| Item | Descviption | Qty |
|---|---|---|
| 1 | lifting bar | 1 |
| 2 | cottor pin 3*30 | 1 |
| 3 | nut M10 | 3 |
| 4 | flat washer | 2 |
| 5 | compression spring | 1 |
| 6 | little knot | 1 |
| 7 | lifting handle bracket | 1 |
| 8 | flat washer | 1 |
| 9 | flange knot | 1 |
| 10 | screw M6*25 | 1 |
| 11 | key 5*20 | 1 |
| 12 | bowl lift handle | 1 |






B10F/B15F Mixer Parts List

## Figure 4 MOTOR UNIT

| Item | Descviption | Qty |
|---|---|---|
| 1 | spiral | 1 |
| 2 | oil seal | 1 |
| 3 | bearing 203 | 2 |
| 4 | key 4*22 | 1 |
| 5 | axle | 1 |
| 6 | switch | 1 |
| 7 | switch plastic | 1 |
| 8 | screw M4*8 | 2 |
| 9 | screw M6*16 | 4 |
| 10 | bearing cover | 1 |
| 11 | fan | 1 |

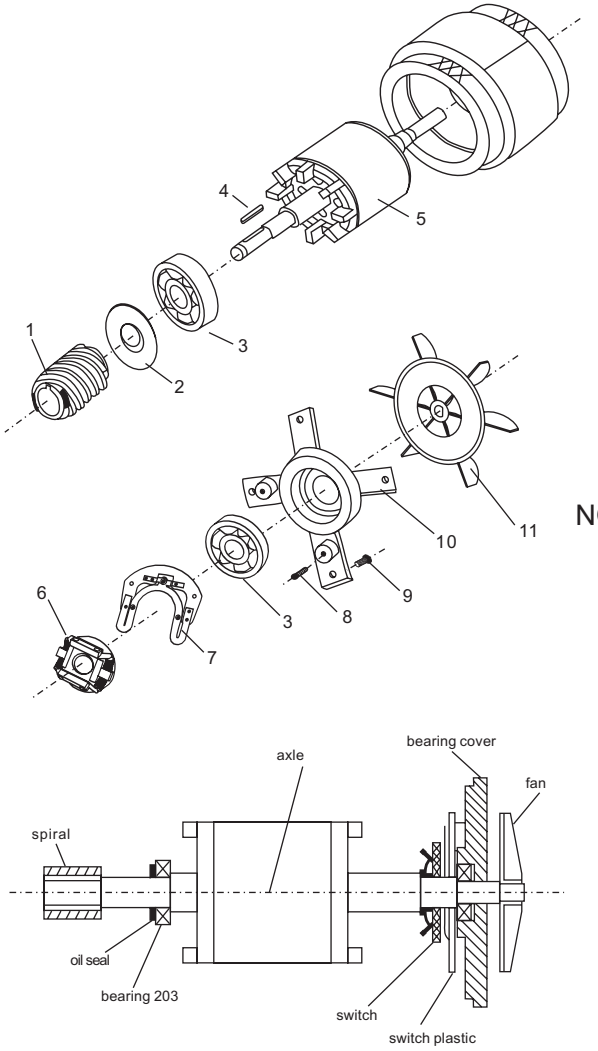
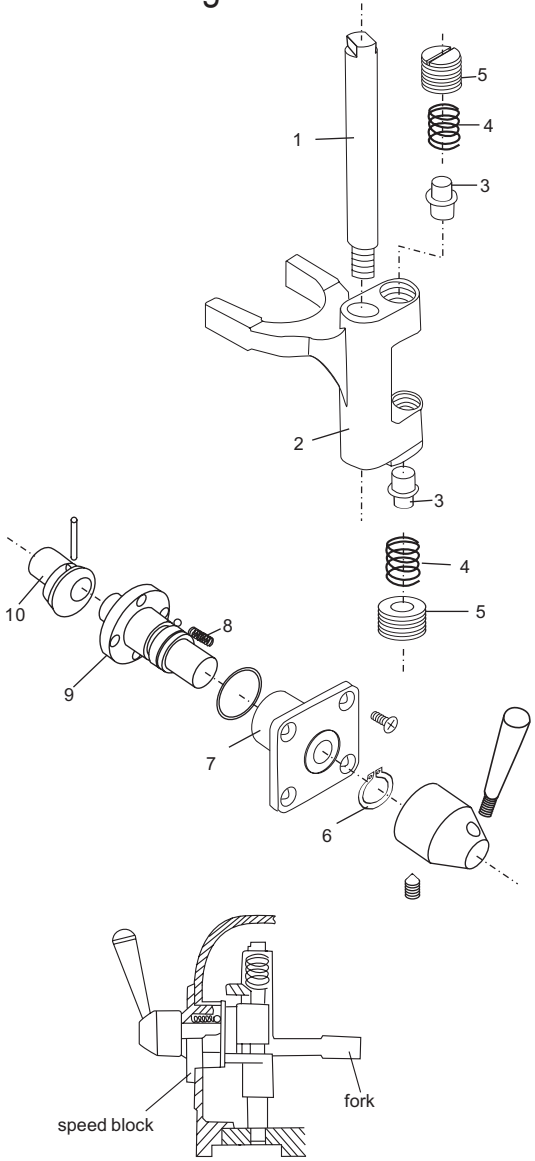



Figure 4-1

NOTES

- If the motor does not work, first verify the power source and connection. Next, check for damaged or faulty wiring or connections inside the mixer. A noworking motor may be the result of inappropriate voltage, broken wires, a defective capacitor, or a defective centrifugal governor. Motor damage may also be caused by bowl overload during mixing.
- Motor set includes motor axle,rotor and stator.
- Figure 4-1 is component system diagrams of motor.

## Figure 5 FORK AND SPEED SHAFT

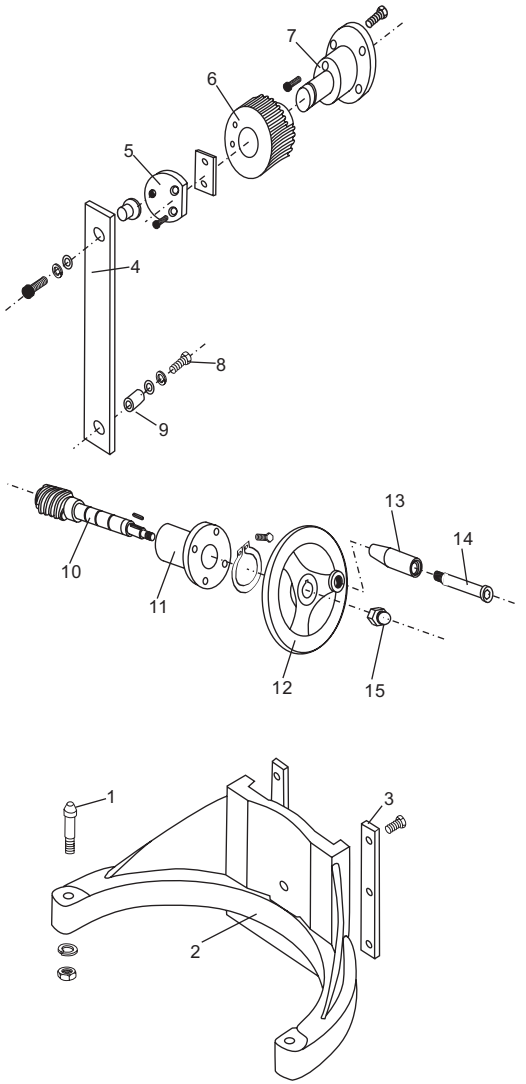



| Item | Descviption | Qty |
|---|---|---|
| 1 | axle | 1 |
| 2 | fork | 1 |
| 3 | shaft | 2 |
| 4 | spring | 2 |
| 5 | nut | 2 |
| 6 | stop ring | 1 |
| 7 | speed block | 1 |
| 8 | spring | 2 |
| 9 | shaft | 1 |
| 10 | plate | 1 |



B10F/B15F Mixer Parts List

## Figure 6 ARM AND BOWL LIFTER UINT




| Item | Descviption | Qty |
|---|---|---|
| 1 | screw | 2 |
| 2 | arm | 1 |
| 3 | plate | 2 |
| 4 | pull pole | 1 |
| 5 | plate | 1 |
| 6 | gear | 1 |
| 7 | brace seat | 1 |
| 8 | screw M8*20 | 1 |
| 9 | sleeve | 1 |
| 10 | spiral | 1 |
| 11 | french support | 1 |
| 12 | french | 1 |
| 13 | handle | 1 |
| 14 | handle screw | 1 |
| 15 | nut | 1 |