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JL30&15 series Maintenance Manual



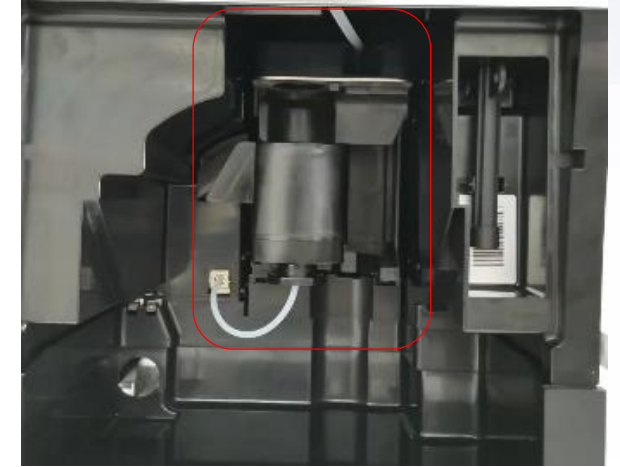
NO.	Part number	Part name	Replacement guidelines	Replacement frequency	Warranty period	Recommended stock quantity of 100 units
1	3111279000A	S20 Coffee brewer main body module	Page1	Dysfunctional	1 year	5
2	5112051300B	20g lower strainer	Page3	Dysfunctional	1 year	5
3	5112053100B	JL12 Brewer upper strainer	Page3	Dysfunctional	1 year	5
4	5206050800B	ID30x3.5 0-ring	Page2	Dysfunctional	1 year	5
5	3111118300A	S Series Brewer drive module	Page14	Dysfunctional	1 year	5
6	3401052400A	Liga Vigor Motor (B026)	Page14	Dysfunctional	1 year	5
7	3401053300A	Motor on brewer (with PCBA)	Page14	Dysfunctional	1 year	5
8	3111278800A	S14 Coffee brewer body module	Page1	Dysfunctional	1 year	5
9	5123059600A	Lower plunger strainer (large)	Page3	Dysfunctional	1 year	5
10	5112054000B	14G small hole strainer on top	Page3	Dysfunctional	1 year	5
11	5206050800B	ID30x3.5 0-ring	Page2	Dysfunctional	1 year	5
12	3111118300A	S Series Brewer drive module	Page14	Dysfunctional	1 year	5
13	3401052400A	Liga Vigor Motor (B026)	Page14	Dysfunctional	1 year	5
14	3401053300A	Motor on brewer (with PCBA)	Page14	Dysfunctional	1 year	5
15	2103053000A	SGH64 Grinder Plastic edition	Page15	Dysfunctional	1 year	5
16	3111281100A	JL15&30 Vertical Thickness adjustment assembly	Page15	Dysfunctional	1 year	5
17	3111281300A	JL15&30 Tank Assembly	Page16	Dysfunctional	1 year	5
18	3111281400A	JL15&30 Tank Filter Assembly	Page17	Dysfunctional	1 year	5
19	5111310700A	JL15&30 Tank strainer holder	Page17	Dysfunctional	1 year	5

NO.	Part number	Part name	Replacement guidelines	Replacement frequency	Warranty period	Recommended stock quantity of 100 units
20	5111310800A	JL15&30 tank strainer cover	Page17	Dysfunctional	1 year	5
21	5111316200A	JL15&30 tank strainer seal ring	Page17	Dysfunctional	1 year	5
22	5114069100A	JL15&30 tank strainer	Page17	Dysfunctional	1 year	5
23	5115055000A	JL15 tank strainer limit ring	Page17	Dysfunctional	1 year	5
24	5111312500A	JL30 bean container	Page4-6	Dysfunctional	1 year	5
25	3111281600A	JL15&30 beancontainer bottom seat assembly	Page4-6	Dysfunctional	1 year	5
26	5111312400A	JL15&30 Bean container base seat	Page4-6	Dysfunctional	1 year	5
27	5116051900B	EK7 Rubber ring on top of grinder	Page4-6	Dysfunctional	1 year	5
28	5405101300A	Bean Sensor (JL30)	Page4-6	Dysfunctional	1 year	5
29	5133200300A	JL30 Missing bean sensor clamp	Page4-6	Dysfunctional	1 year	5
30	3111281700A	JL15&30 beancontainer lid assembly	Page4-6	Dysfunctional	1 year	5
31	3311063300A	JL30_I0 board	Page21	Dysfunctional	1 year	5
32	3311063500A	JL15-30 POWER PCBA	Page22	Dysfunctional	1 year	5
33	3402052500A	24V Fan 6025	Page23	Dysfunctional	1 year	5
34	3111282200A	J7 "display assembly	Page19-20	Dysfunctional	1 year	5
35	3111286500A	7 "touch display assembly	Page19-20	Dysfunctional	1 year	5
36	3311063200A	JNMB-A133	Page19-20	Dysfunctional	1 year	5
37	5111317300A	JL15&30 Touch screen mounting seat screw cover	Page19-20	Dysfunctional	1 year	5

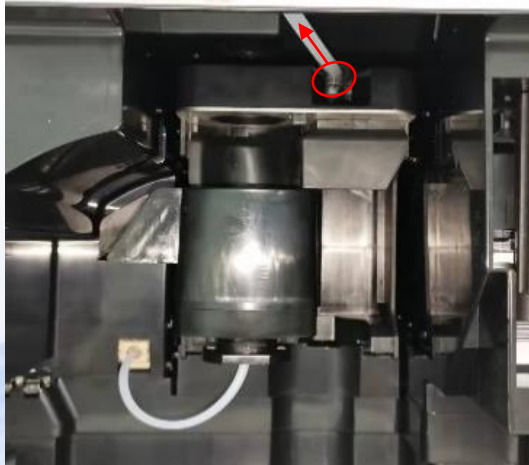
NO.	Part number	Part name	Replacement guidelines	Replacement frequency	Warranty period	Recommended stock quantity of 100 units
38	3111286600A	JL15&30 Waste water container cover assembly	Page17-18	Dysfunctional	1 year	5
39	5111312100A	JL30 Waste slag container	Page39	Dysfunctional	1 year	5
40	5111312200A	JL15&30 Waste water container trim board	Page38	Dysfunctional	1 year	5
41	5111312300A	JL15&30 Waste water container plastic mesh	Page38	Dysfunctional	1 year	5
42	5133200900A	JL15&30 Wastewater full induction tablet	Page38	Dysfunctional	1 year	5
43	3111282400A	ES Valve Assembly	Page34	Dysfunctional	1 year	5
44	3405057300A	Snap type pagoda two-position three-way valve	Page34	Dysfunctional	1 year	5
45	3403055500A	ARS high-pressure plunger pump CP4	Page27-28	Dysfunctional	1 year	5
46	3405057400A	Clip-on flow stabilizer Valve assembly (Kammer)	Page27-28	Dysfunctional	1 year	5
47	5116301500C	Electromagnetic pump shock absorber bracket	Page27-28	Dysfunctional	1 year	5
48	5115053600C	Electromagnetic pump shock absorber spring	Page27-28	Dysfunctional	1 year	5
49	5116301700A	Pump shock retainer	Page27-28	Dysfunctional	1 year	5
50	5405101100A	Flowmeter	Page26	Dysfunctional	1 year	5
51	3404052600A	Snap boiler (Kaneda) _220 V_1500W	Page29	Dysfunctional	1 year	5
52	5117051500A	JL15&30 Boiler top cover	Page29	Dysfunctional	1 year	5
53	5117051600A	JL15&30 Boiler lower cover	Page29	Dysfunctional	1 year	5

NO.	Part number	Part name	Replacem ent guidelines	Replacement frequency	Warran ty period	Recommended stock quantity of 100 units
54	5133063300B	Boiler fuse press	Page29	Dysfunctional	1 year	5
55	3201065200A	Kamel F-buckle 3-way connector	Page29	Dysfunctional	1 year	5
56	3405057500A	Snap type two-position two-way valve	Page31	Dysfunctional	1 year	5
57	5207059800A	2X4 copper Teflon 185MM	Page24-25	Dysfunctional	1 year	5
58	5111314100A	D4 Buckle to silicone pipe connector	Page24-25	Dysfunctional	1 year	5
59	5206053100A	4x2 snap joint seal ring	Page24-25	Dysfunctional	1 year	5
61	5115053300A	4x2 clasp type connector clasp ring	Page24-25	Dysfunctional	1 year	5
62	3111282700A	JL15&30 Fresh milk heating Assembly	Page36-37	Dysfunctional	1 year	5
63	5111100000A	Steam nozzle	Page36-37	Dysfunctional	1 year	5
64	3405054300A	Duckbill one-way valve	Page36-37	Dysfunctional	1 year	5
65	5111102800A	Temperature adjusting screws	Page36-37	Dysfunctional	1 year	5
66	5111316500A	JL15&30 Fresh milk heating chamber	Page36-37	Dysfunctional	1 year	5
67	5206053000A	6x4 snap joint seal ring	Page36-37	Dysfunctional	1 year	5
68	5111310600A	JL15&30 Fresh milk out of mouth runner	Page36-37	Dysfunctional	1 year	5
69	5111316600A	JL15&30 Fresh Milk Outlet runner cover	Page36-37	Dysfunctional	1 year	5
70	3405057300A	Snap type pagoda two-position three-way valve	Page33	Dysfunctional	1 year	5
71	5111314500A	JL15&30 Milk pipe fittings	Page36	Dysfunctional	1 year	5

20g/14g brewing body module replacement method



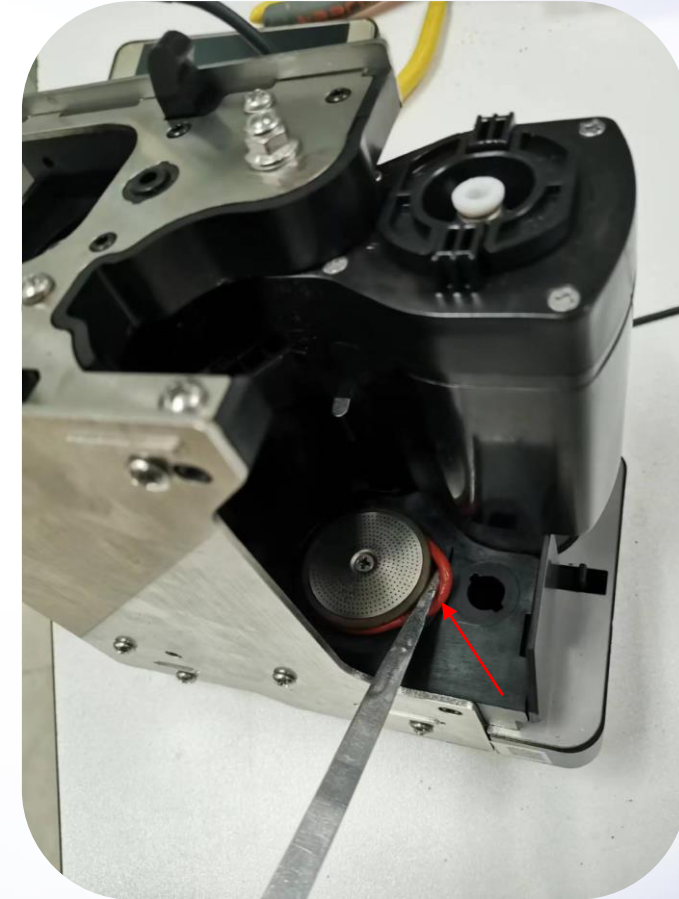
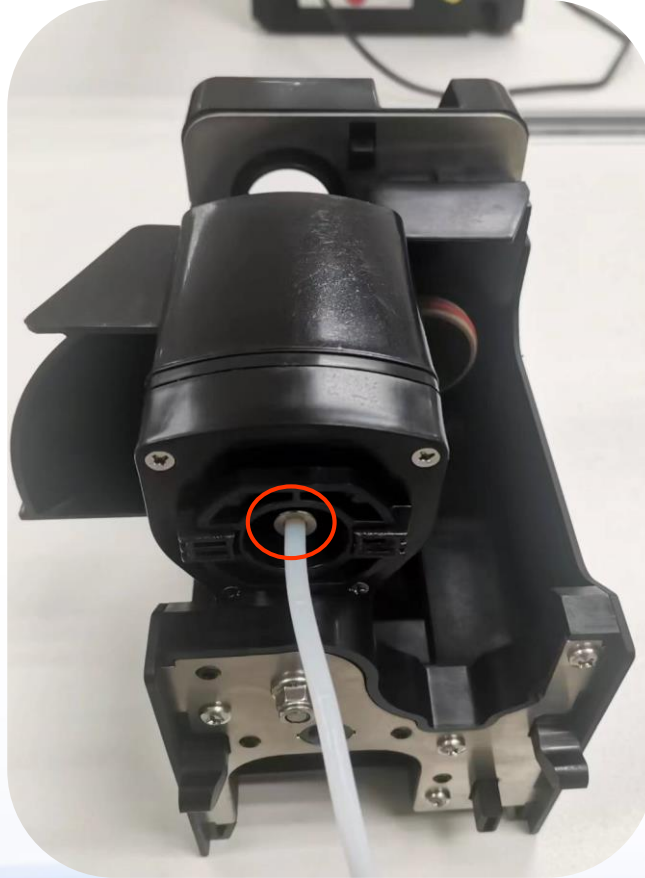
1. Lift the coffee outlet to the highest position, pull the water tray outwards, and take out the water tray; After the water tray is taken, find the main module of the brewer (the part in the middle circle in the figure above).



2. Pull out the silicone tube outwards; Press the end face of the quick connector with your fingers to confirm that the elastic space has been compressed, and pull out the tube forcefully; Pull out the latch with your finger; Lean down and pull out the brewer.

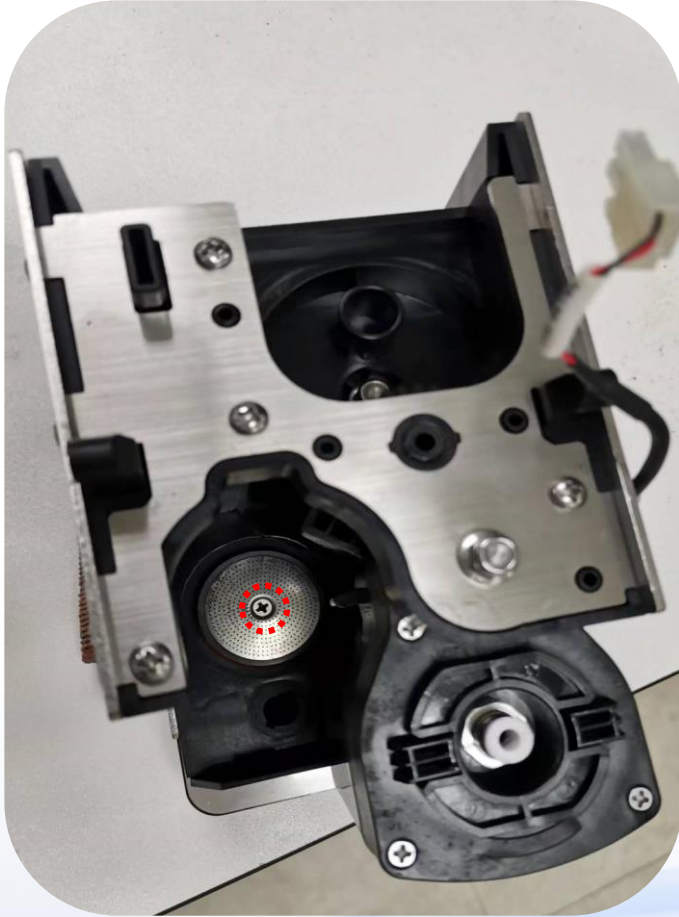
Brewer ID30x3.5 O-ring, top/bottom filter replacement method -

1



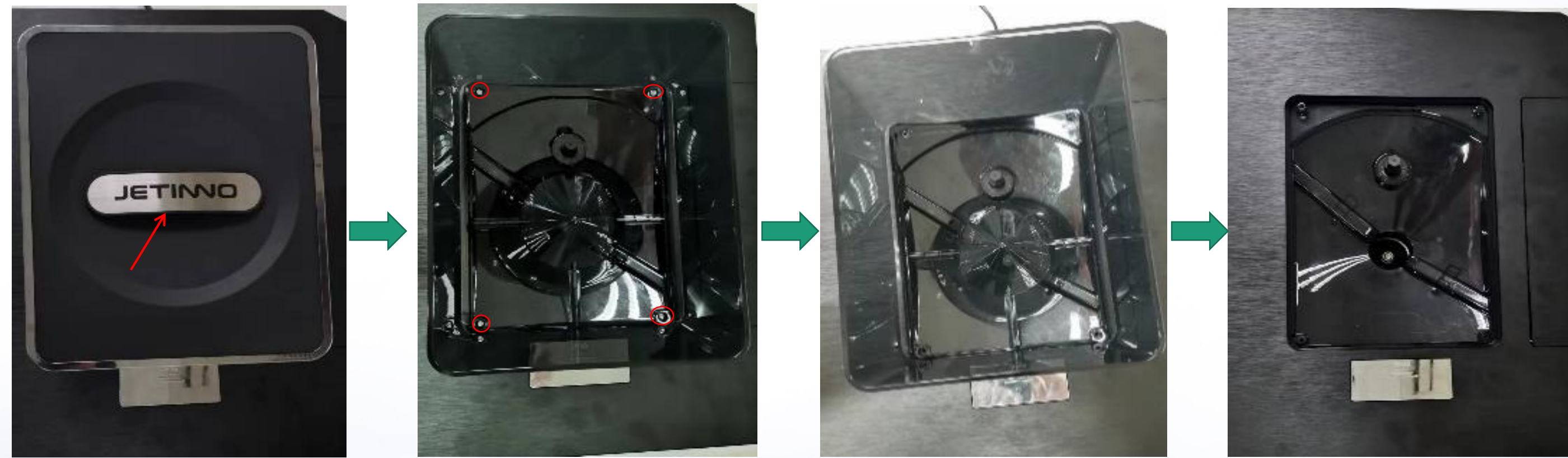
1. Unplug the coffee outlet pipe; Press the end face of the quick connector with your fingers to confirm that the elastic space has been compressed, and pull out the pipe forcefully; Pull out the latch with your finger; Lean down and pull out the brewer; When brewing coffee, the upper plunger has coffee fluid overflow, possibly a damaged seal. Remove the old seal ring with a toggle, take out the new seal ring from the wear bag and put it on.

Brewer ID30x3.5 O-ring, top/bottom filter replacement method - 2



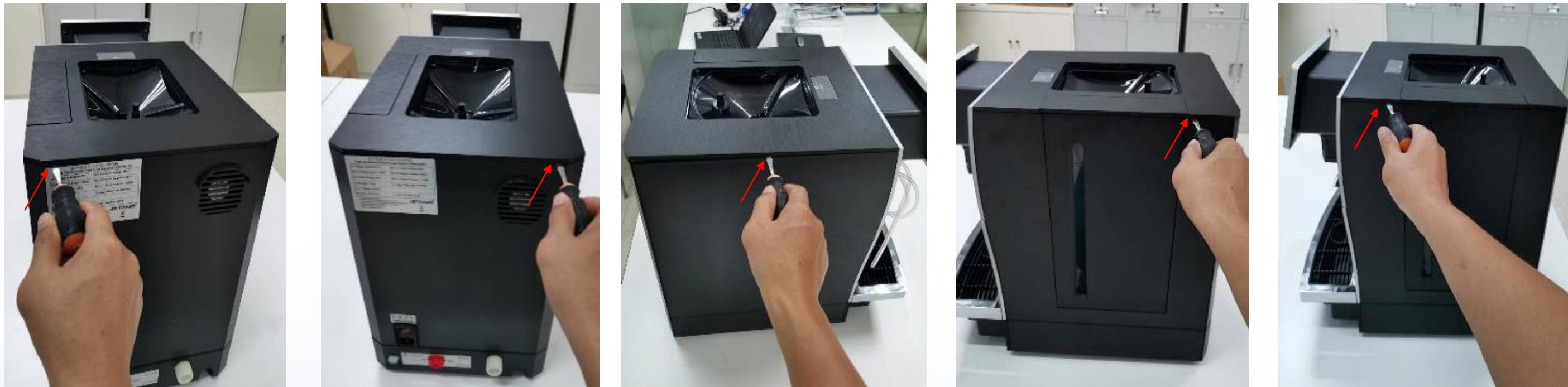
2. Remove the screws in the center part of the upper/lower plunger filter screen with a screwdriver and remove the filter screen. Check that the mesh is blocked, if it is blocked, take out a new filter from the perishable bag and replace it. The replaced filter should be soaked in medicine, cleaned and reserved for use, and can be replaced next time.

Remove the exterior - The method for removing the cover



Step 1: Remove the lid of the bean container, unscrew the four screws holding the bean container, and remove the bean container.

Remove the appearance - Method for removing the cover plate



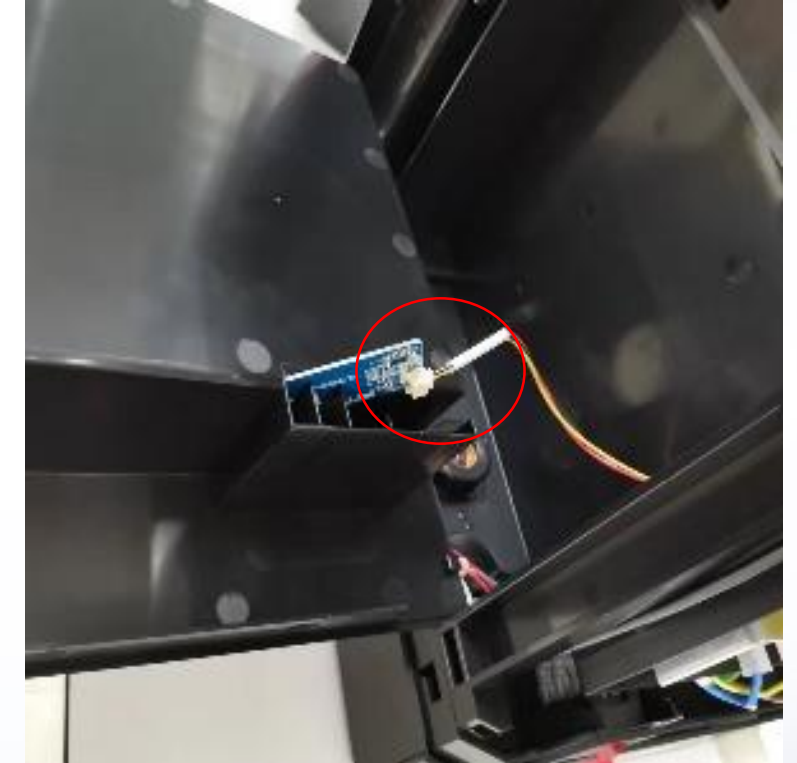
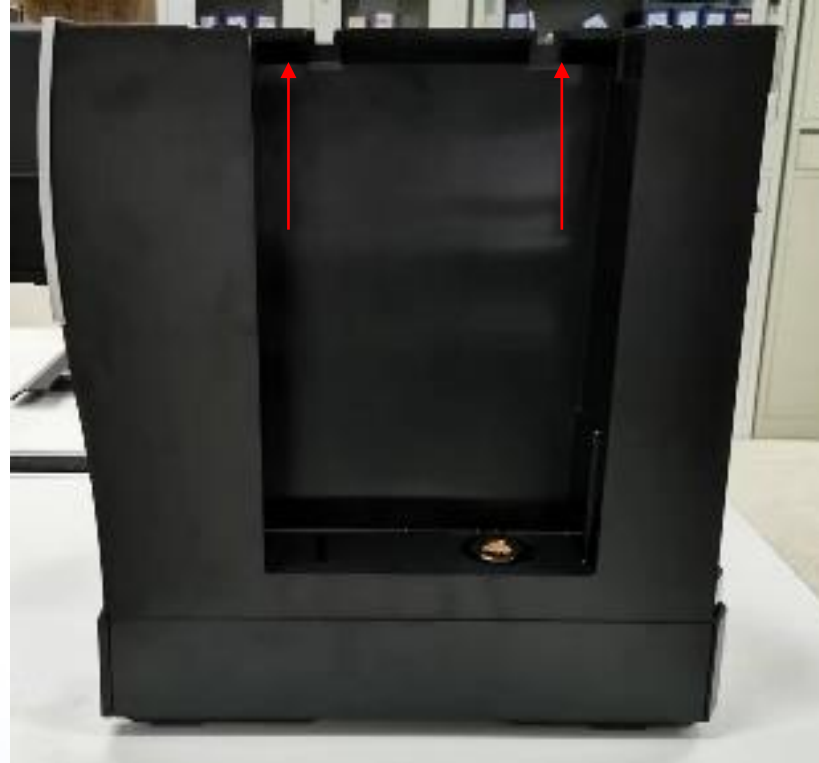
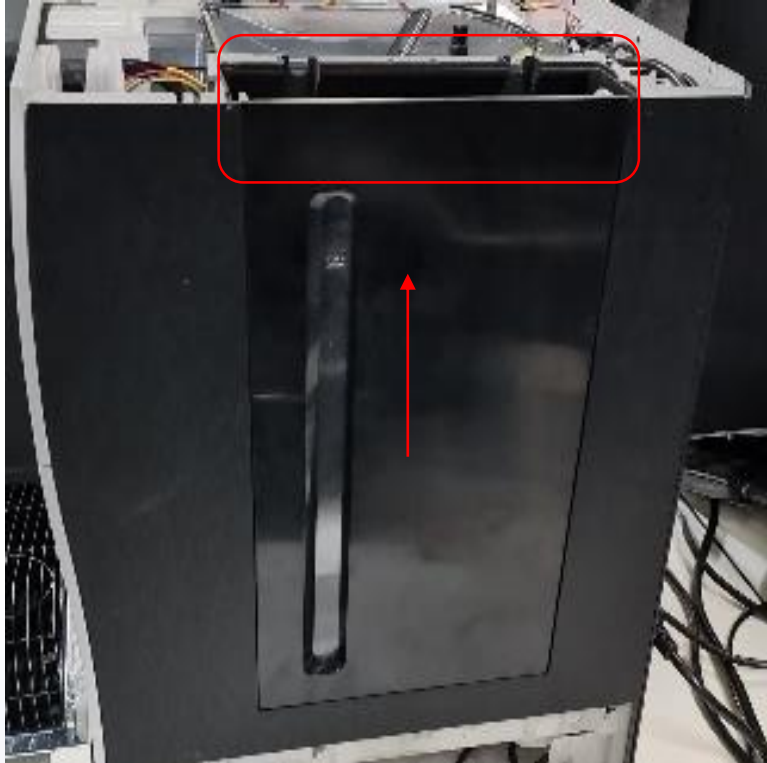
Step 2: Using a flat-head screwdriver, insert and rotate the screwdriver in the position shown to release these latches.

Remove the appearance - the method for removing the top cover



Step 3: As shown in the picture below, pinch the top cover and lift it up, then pull the top cover out outwards, removing the top cover is complete.

Remove the appearance - the method of removing the tank base



Lift up and remove the tank as shown above; In the direction of the arrow, pull out the base cover from the bottom up with both hands, pinch the base to take out the tank base, unplug the tank water level detection board connector, and remove the tank base.

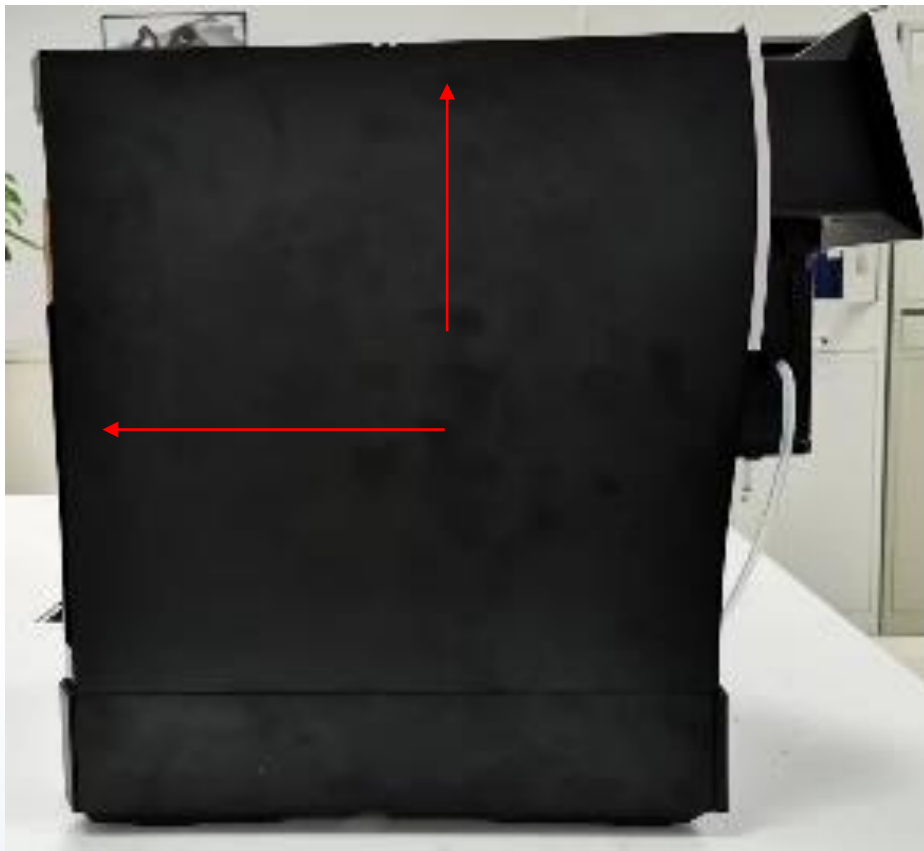
Note: Handle gently during removal to prevent scratching the exterior.

Remove the appearance - the method of removing the rear cover of the machine from the side panels



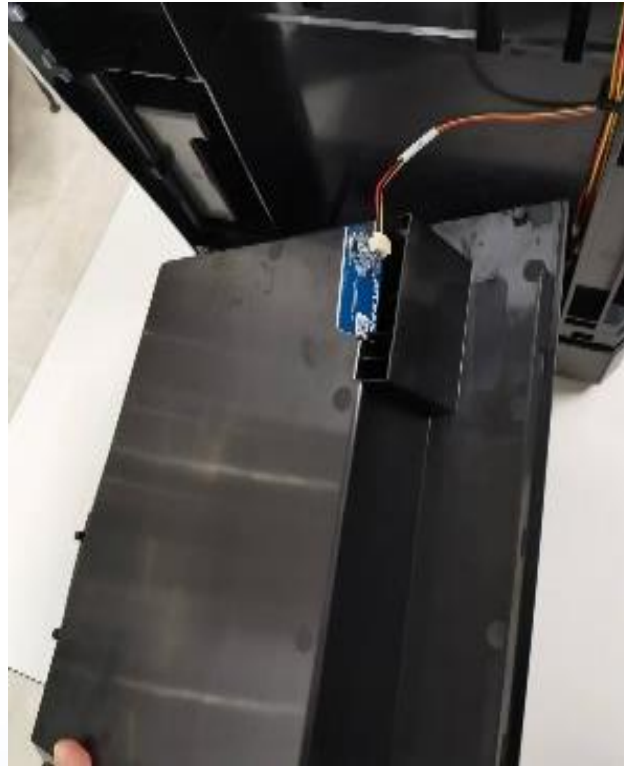
Step 1: As shown in the picture above, lift the rear cover from the bottom up (hold the vent protruding position up), then remove the rear cover, removing the rear cover is complete.

Remove the appearance - the method of removing the side panel of the machine with the back panel



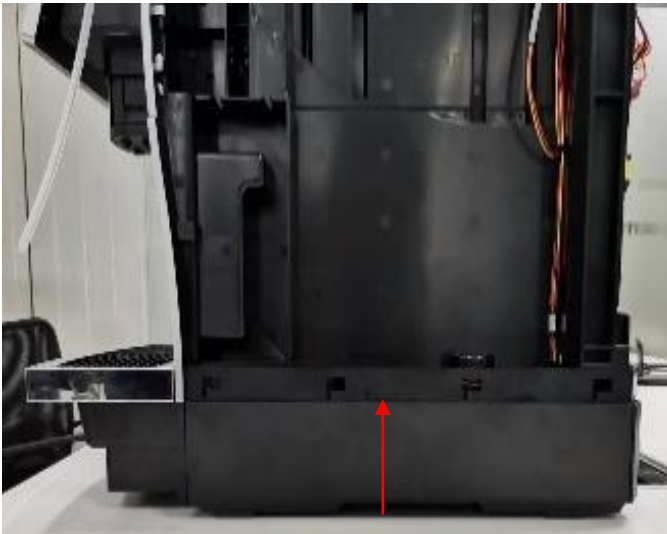
Step 2: As shown in the picture above, push the right cover plate up from the bottom, then pull back out and remove the right board, removing the right board is complete.

Remove the appearance - the method of removing the side plate of the machine with the rear cover plate



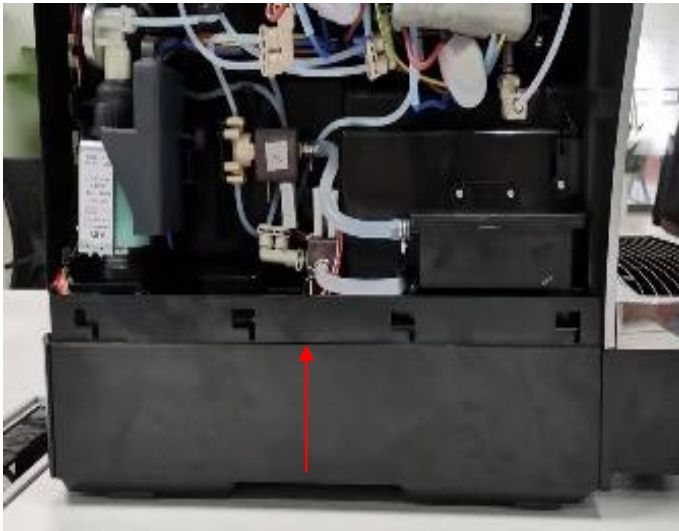
Step 3: As shown in the picture above, push the left cover plate up from the bottom, then remove the tank water level detection plate, and remove the left plate finished. Note: Handle gently during removal to prevent scratching the appearance! You must push the tank water level detection plate to the top of the card position when installing it.

Remove the appearance - the method of removing the side plate of the machine base and the rear cover plate of the base



Step 1: As shown in the picture above, first push up the left panel of the base from the bottom up, then take it off and take it out, removing the left panel of the base is finished

Remove the appearance - the method of removing the side plate of the machine base and the rear cover plate of the base



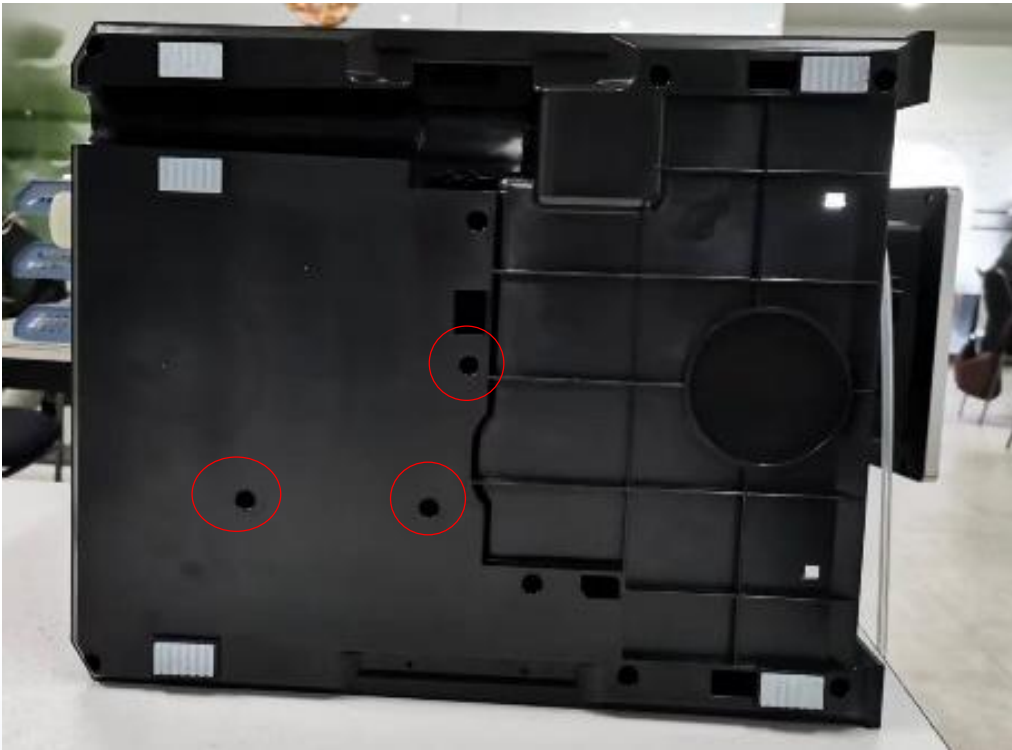
Step 2: As shown in the picture above, first push up the right panel of the base from the bottom up, and then remove and take out the right panel of the base

Removing the appearance - The method of removing the side panel of the base and the rear cover of the base of the machine



Step 3: As shown in the figure above, using a flat-head screwdriver, press the rear cover plate clip from the top down, then remove and take it out. Removing the rear cover of the base is complete.

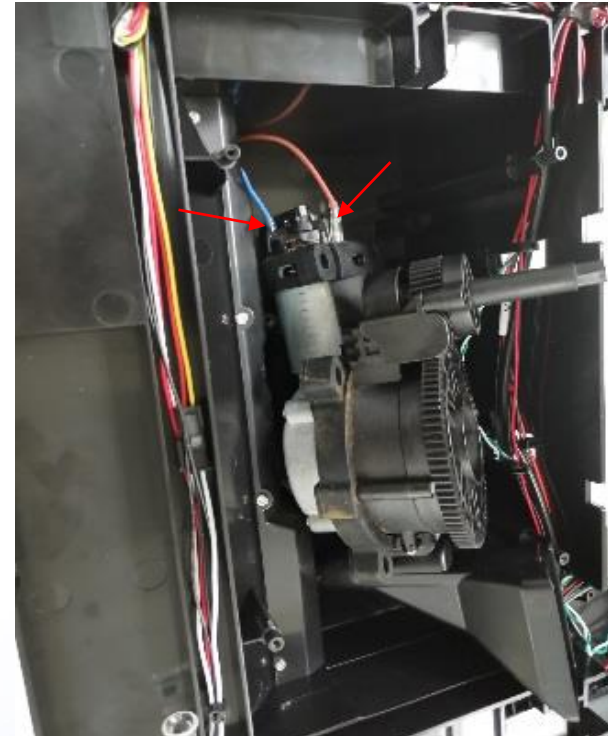
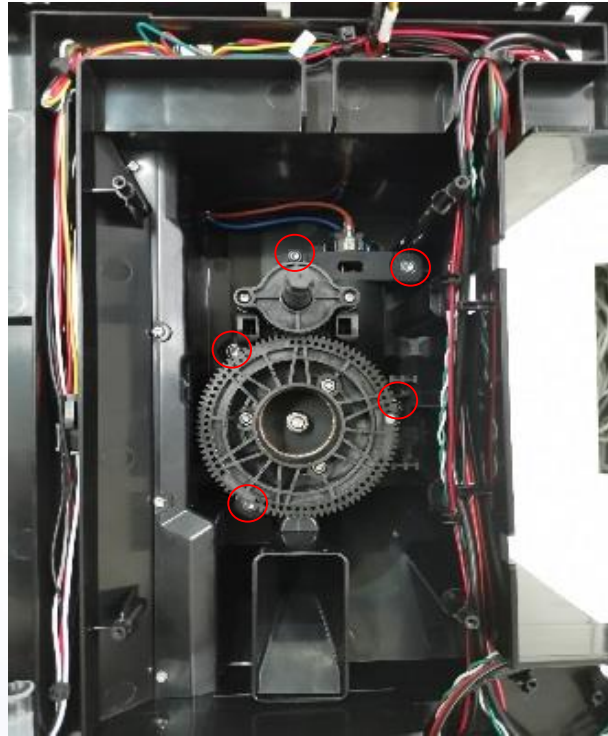
S Series Brewer Drive module, Liga Vigor Motor (BO26) Method of replacement of motor on brewer



1. Remove the main brewer module first, and then remove the brewer drive fixing screw with a hexagon screwdriver at the bottom of the machine. Remove the bean container, remove the upper cover plate, back cover plate, unplug the interface on the control board, take out the drive, remove the motor fixing screw to replace the motor.

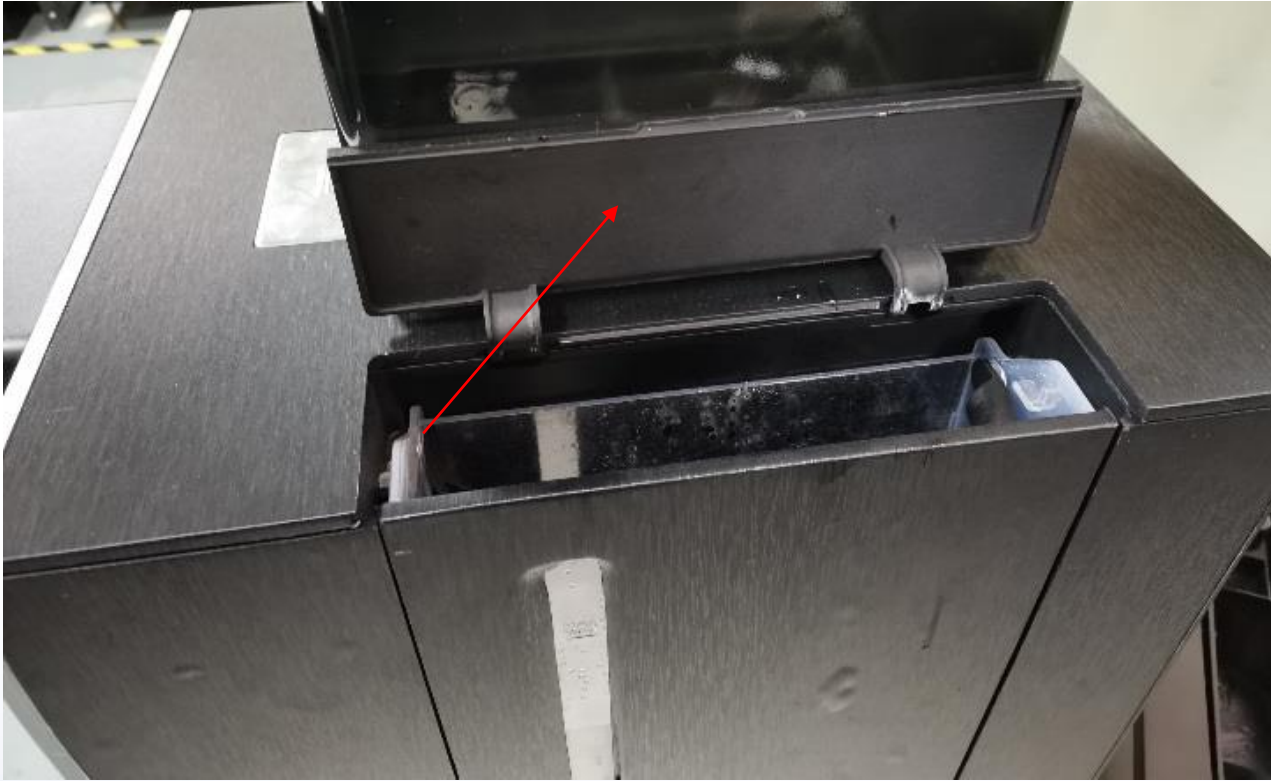
Replacement method for grinder assembly

Unplug the machine from the power supply.



As shown in the picture above, first remove the bean container seat, then remove the five screws in the position marked by the red circle, and remove the grinder assembly from the fixing seat; Remove the wiring plug on the grinder motor, hold the grinder assembly by hand, take out the whole grinder upward, and remove the grinder assembly is complete.

JL15&30 Tank assembly replacement method



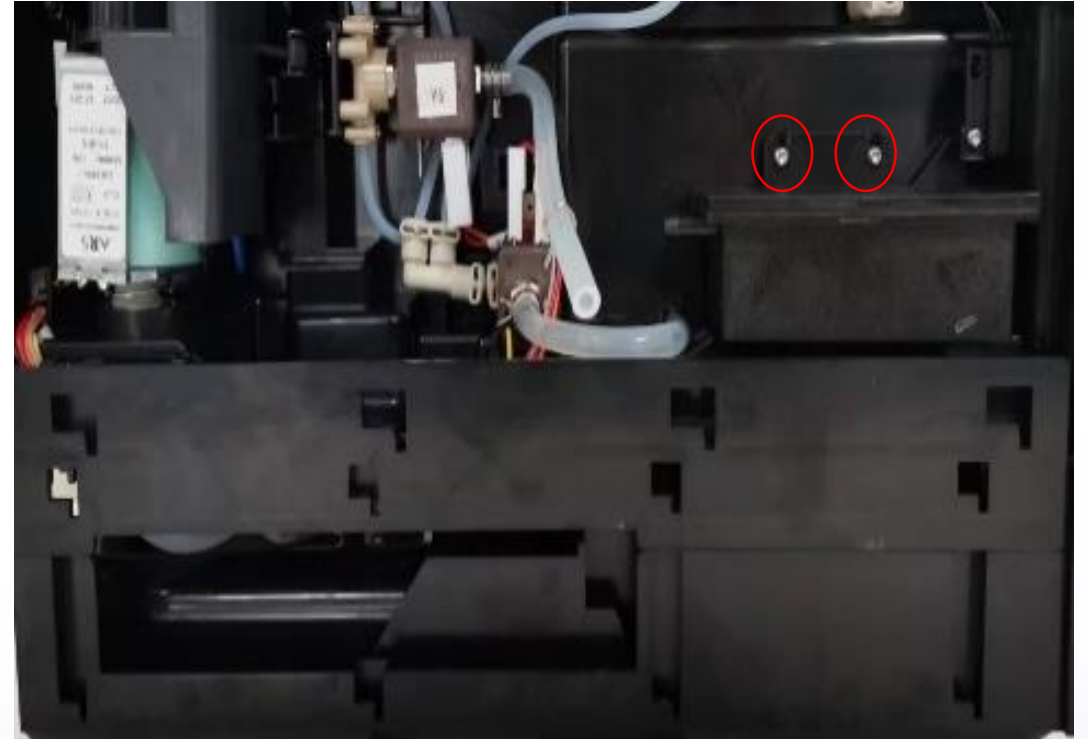
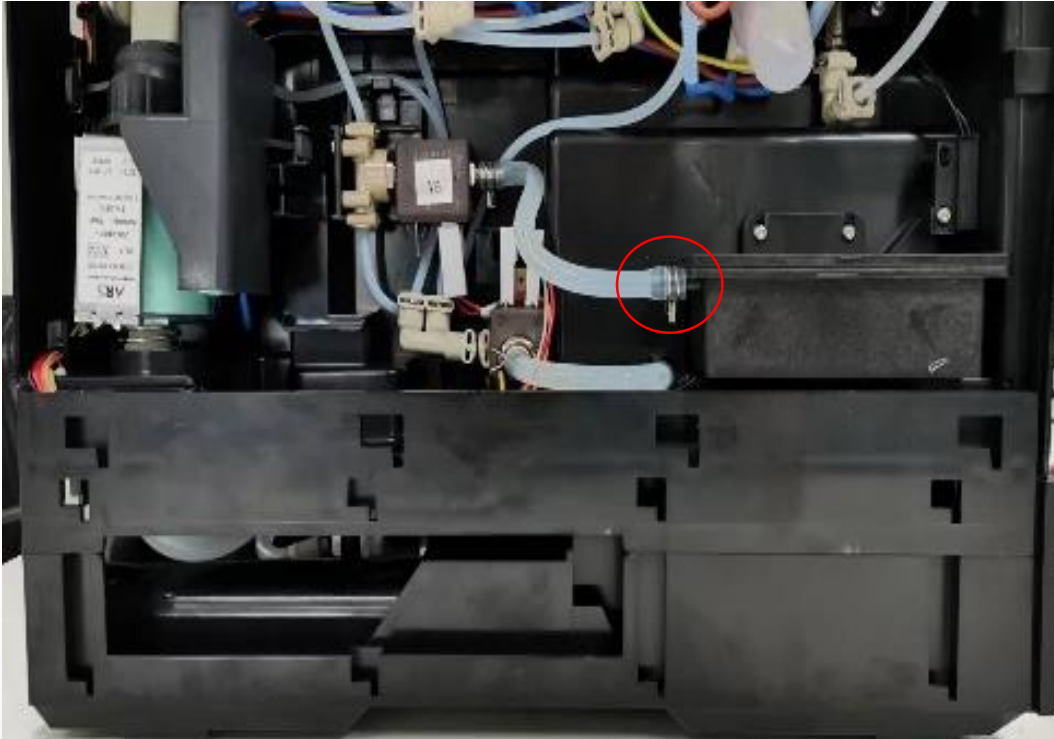
At the top of the machine, open the cover of the water tank, raise the water tank upward, and put the new water tank into it.

JL15&30 tank filter assembly replacement method



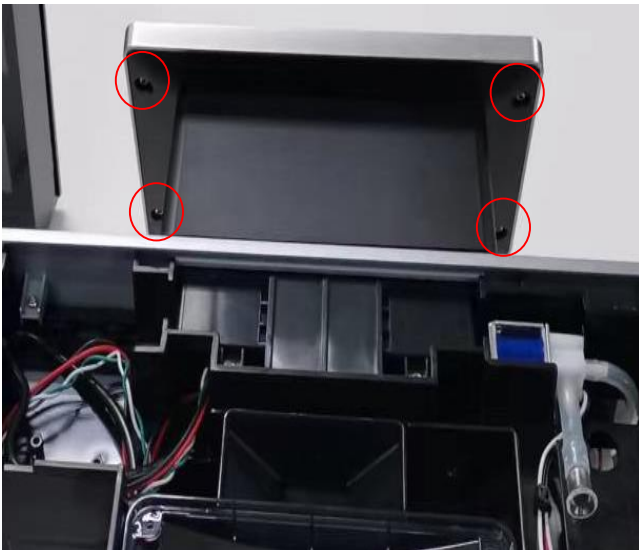
Remove the appearance of the machine, pull up the water intake cover (can be pry up with a certain screwdriver), and then pull up the water intake base and pull out the connected water pipe. The removal of the water intake assembly of the water tank is complete.

JL15&30 Condensing container assembly replacement method



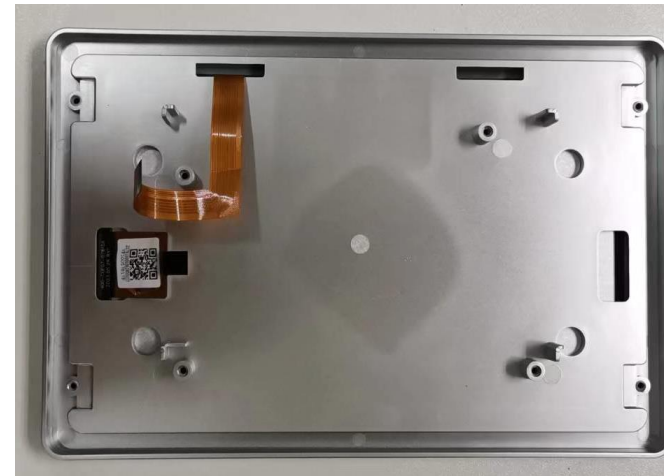
Remove the exterior of the machine, press the latch and exit, pull out the tube, remove the condensation container fixing screw, take out the condensate container, and remove the condensate container.

JL15&30 7-inch display assembly, 7 inch touch display assembly, JNMB-A133 replacement method-1



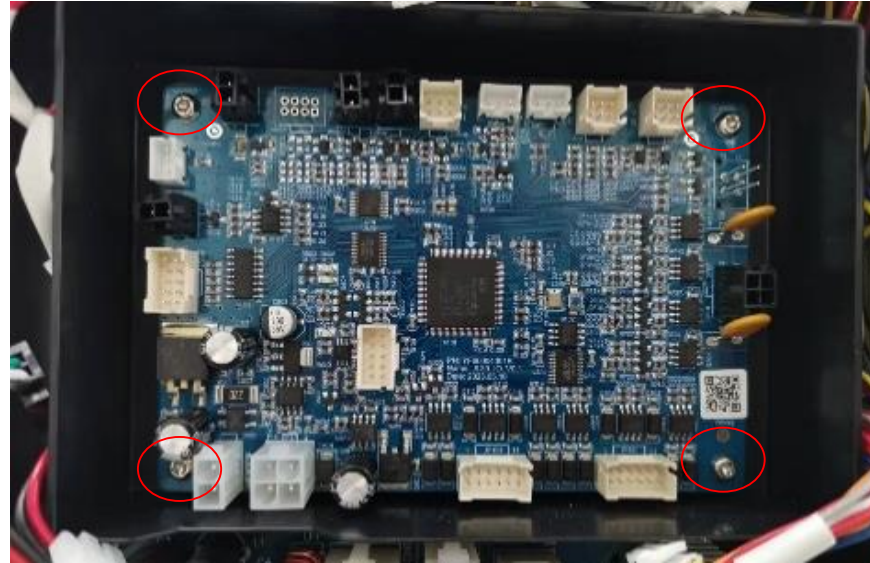
As shown in the picture above, remove the glue plug (touch screen mounting seat screw cover) marked by the red circle, then unscrew the fixing screw, remove the front panel assembly, and unplug the connector on the motherboard (DC12V power supply, R485 communication, MDB). Remove the main part of the front panel, and remove the front panel assembly.

JL15&30 7-inch display assembly, 7 inch touch display component, JNMB-A133 replacement method-2



For the display and touch screen, turn the cable clip up, take out the two cables, remove the motherboard fixing screws, and remove the motherboard to separate the screen from the motherboard.

JL30_IO board replacement method



Turn off the power switch of the coffee machine before removing the I/O.

Remove coffee bean container, top cover plate and back cover plate; First unplug all the joints on the I/O board, then remove the four screws holding the I/O board in place, and finally remove the I/O board. Removing the I/O board is complete.

When removing the terminal plug, press the buckle first and then remove the plug to prevent the terminal from breaking!

Before pulling out the wiring plug, take a picture to keep the bottom, to avoid inserting wrong when restoring.

JL15-30 POWER PCBA V20 Power board replacement method



Do not operate with power on to prevent electric shock. Unplug the coffee machine before removing the power board.

Remove the coffee bean container, top cover plate and back cover plate; First unplug all the connectors on the power strip (perhaps with the help of needle-nose pliers), then remove the four screws holding the power strip in place, and finally remove the power strip.

Before unplugging the wiring plug, take a picture for a record to avoid misinserting during restoration.

24V fan 6025 Replacement method

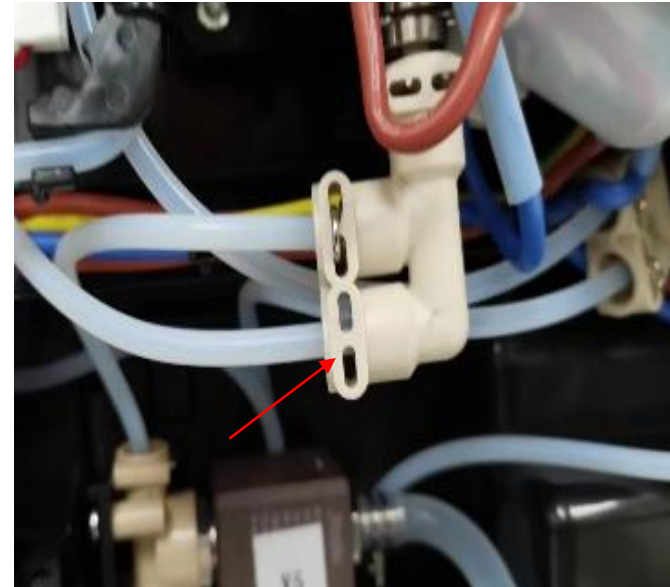
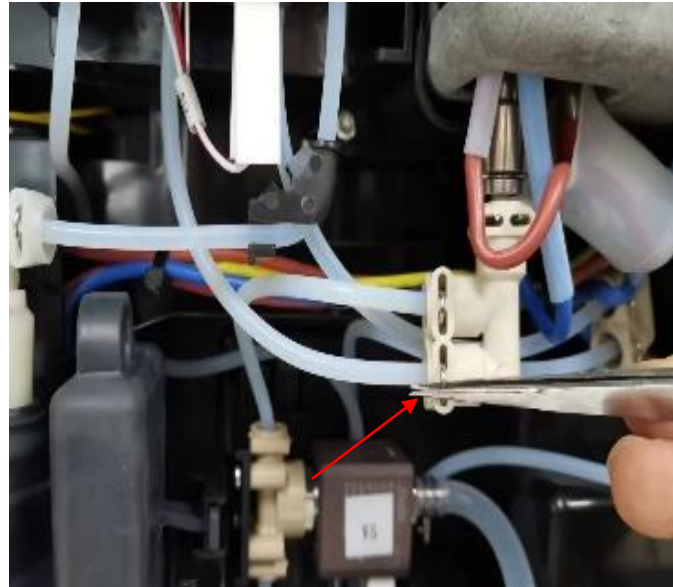
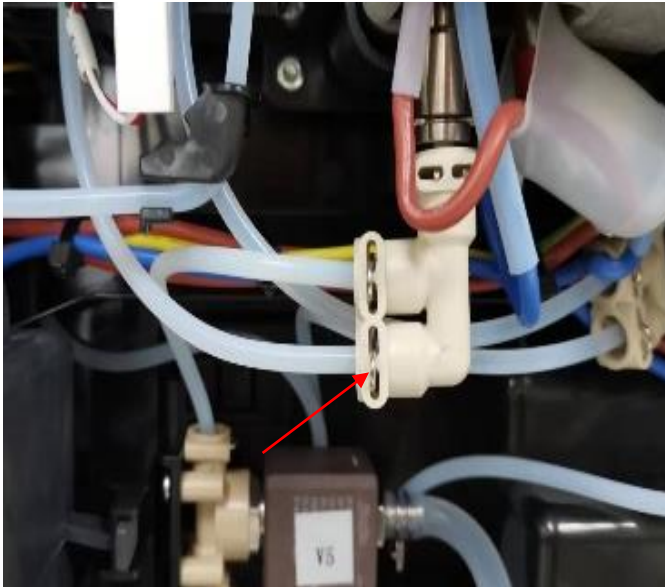


Before removing the fan, turn off the power switch of the coffee machine.

Remove the coffee bean container, top cover plate and back cover plate; First unplug the fan connector, then pull out the fan, cut off the tie, remove the fan, remove the fan, remove the fan is complete.

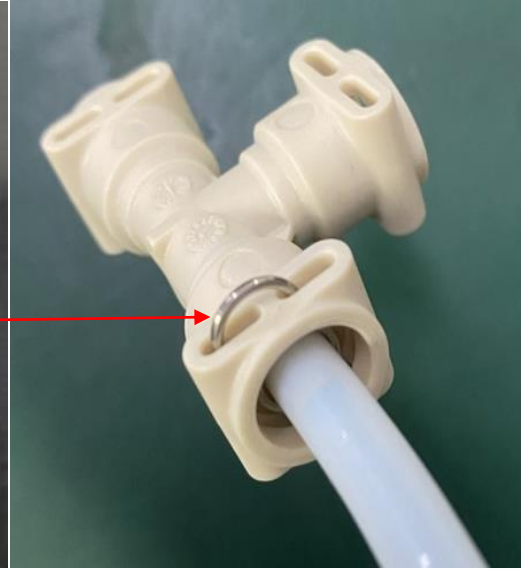
Before unplugging the wiring plug, take a photo to keep a record, to avoid inserting wrong during restoration.

Snap-in Joint Removal and Installation Method -1



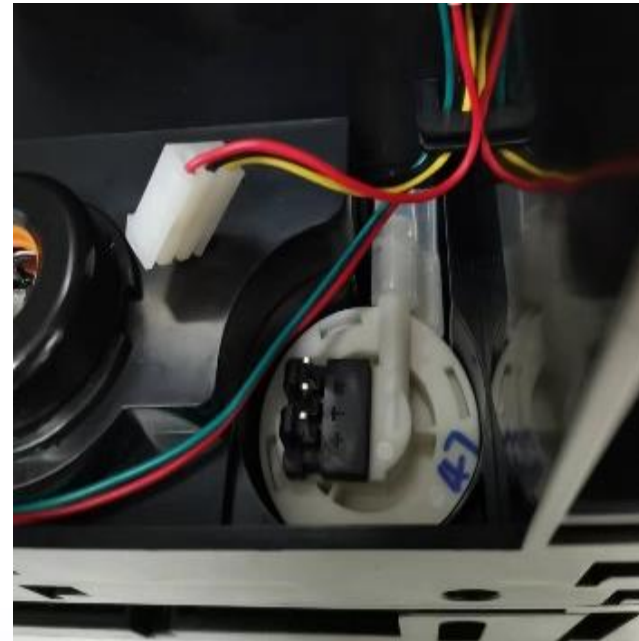
Snap joint disassembly method: With tweezers, pull out the U-shaped snap ring from the two nostrils of the joint, pull out the tube, and take out the sealing ring with tweezers; Check whether the seal ring is damaged and replace the joint or seal ring of the same model.

Snap-type Joint Removal and Installation Method -2



Snap joint installation: Insert the pipe with a good sealing ring into the snap joint, and rotate the pipe or joint when inserting; Do not push directly into the pipe by brute force to prevent the sealing ring from being broken. Insert the U-shaped clasp through both nostrils of the joint, with the middle ring to be stuck to the tube. Note: Turn the opening direction to the inside of the machine to remove the clasp ring from the outside for convenient maintenance. Different pipe diameters must be fitted with the corresponding specifications of the clasp ring. The material number of the clasp ring for the outer diameter D4 pipe of our company is: 5115053300_4x2 clasp type joint clasp ring; When the pipe length is short and needs to turn, a bend right Angle buckle must be installed along the end face of the joint, which can prevent water leakage and pipe bending. The buckle number of our company's outer diameter D4 pipe is: 5111300300_D4 Teflon pipe right Angle buckle.

JL15&30 flowmeter replacement method

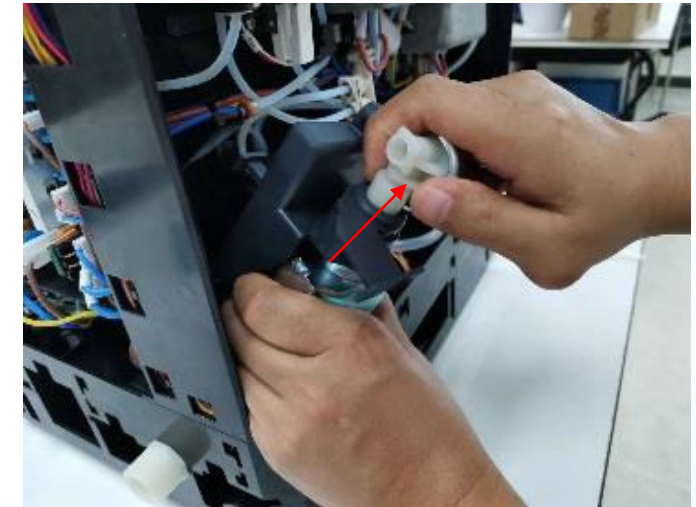
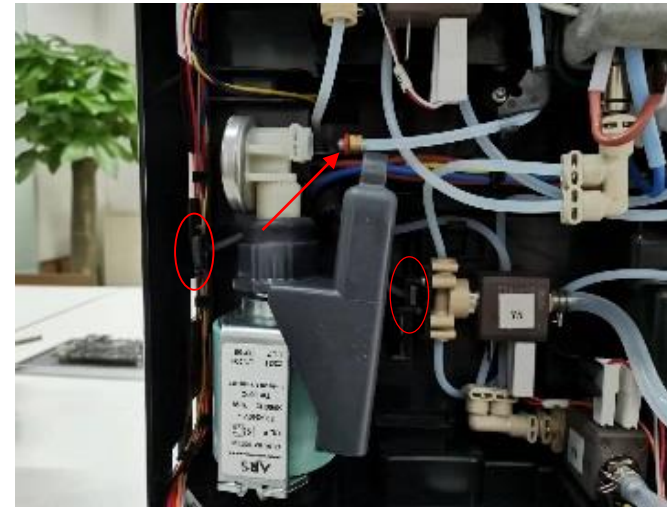
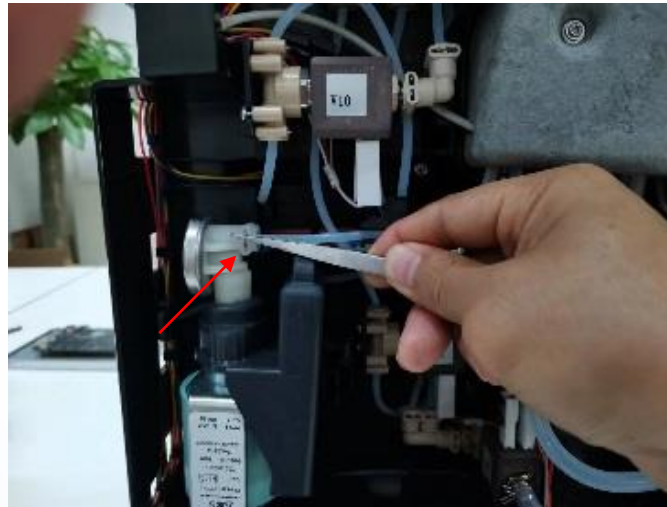
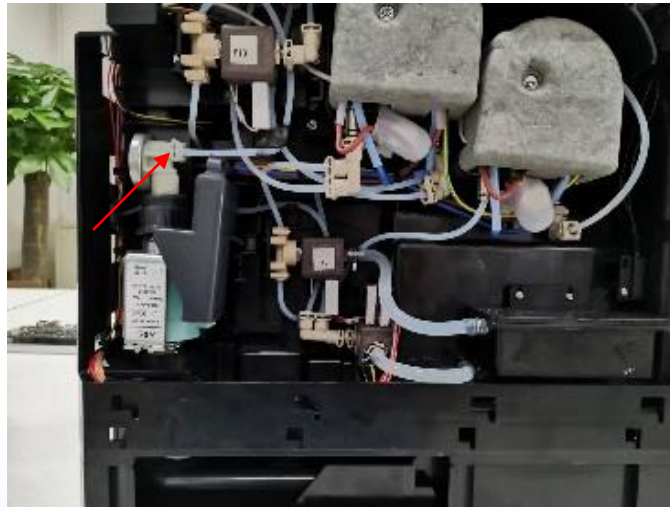


Remove the appearance of the machine, first unplug the wiring plug on the flowmeter, and then take out the flowmeter upward, unplug the two water pipes on the flowmeter, take out the flowmeter, and remove the flowmeter.

ARS high pressure plunger pump CP4, snap type steady flow valve assembly (Kamel)

Replacement Method-1

Do not operate with live power. Unplug the coffee machine before removing the water pump.

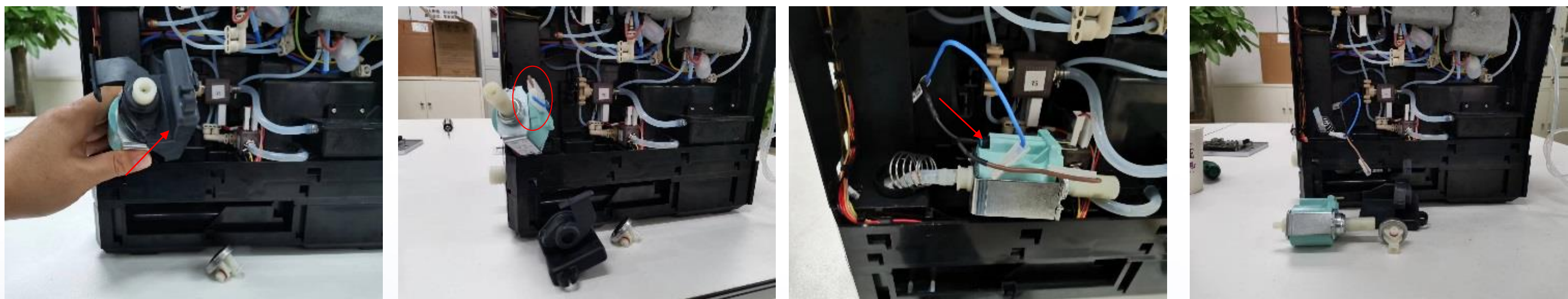


Step 1: First with tweezers, pull out the U-shaped clapper from the two nostrils of the joint, pull out the tube; Pull out the two clamp positions on the fixed silicone sleeve of the water pump, move out the water pump, as shown by the arrow in the above picture, rotate the pressure regulator in the counterclockwise direction, and remove the pressure regulator.

ARS high pressure plunger pump CP4, snap type steady flow valve assembly (Kamel)

Replacement Method-2

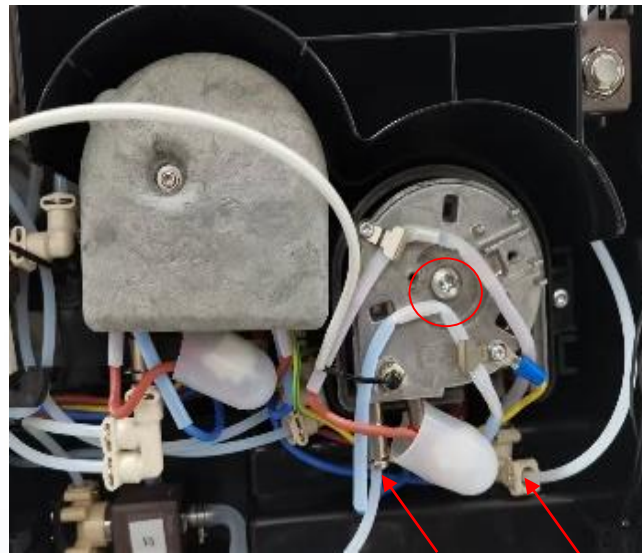
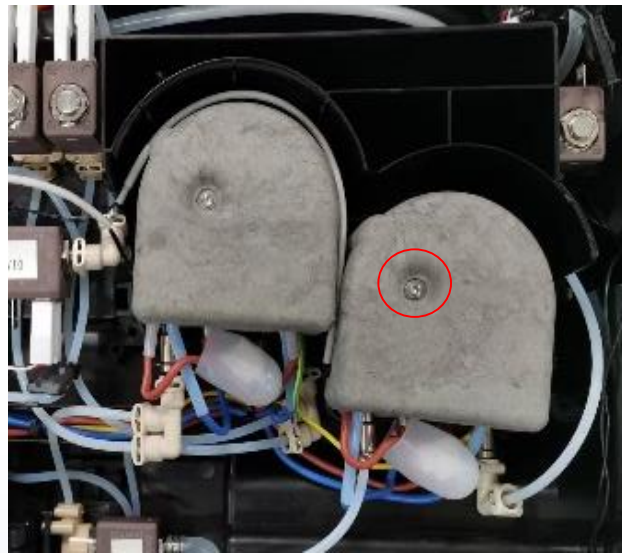
Do not operate with live power. Unplug the coffee machine before removing the water pump.



Step 2: According to the position shown in the above picture, take out the silicone sleeve connected to the pump, pull out the power connector of the pump, take out the temperature sensor of the pump, and finally take out the pump.

The replacement method of snap type boiler (Kaneda) _220 V_1500W

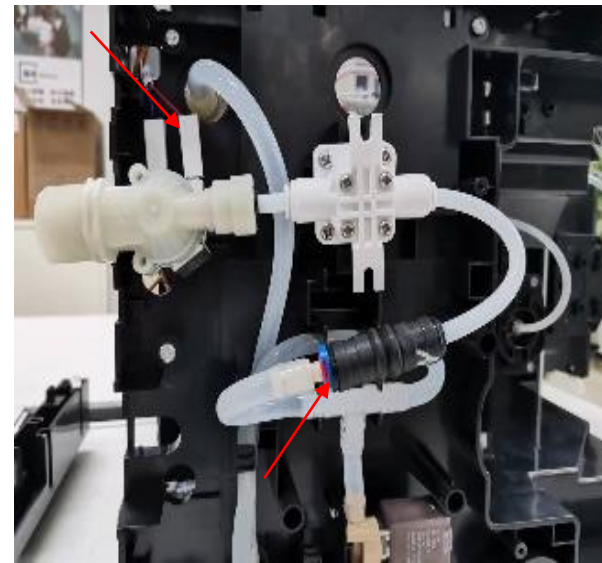
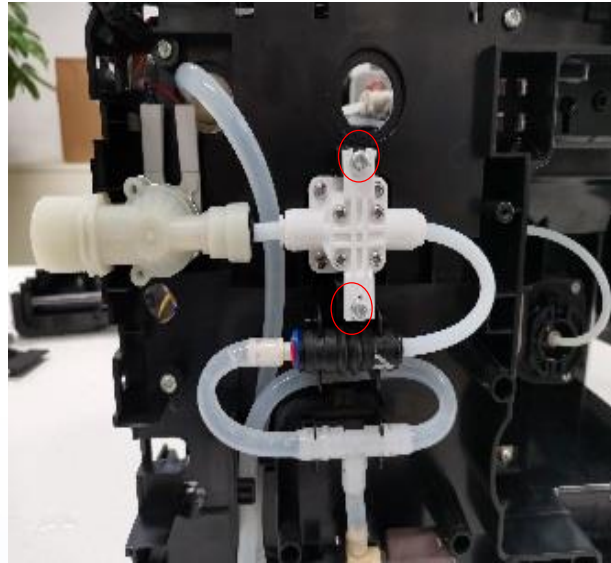
Live operation is prohibited. Unplug the coffee machine before removing the boiler. Please remove the coffee machine after it is completely cooled, beware of burns!



As in the picture above, the screws in the circle are removed; With tweezers, pull out the U-shaped clapper from both nostrils of the joint. Pull out the hot water boiler inlet/outlet pipe; Plug (boiler live wire -- L, neutral wire -- N, ground wire --E) as shown by the arrow, pull out the joint of the temperature sensor and remove the boiler. Removal is complete.

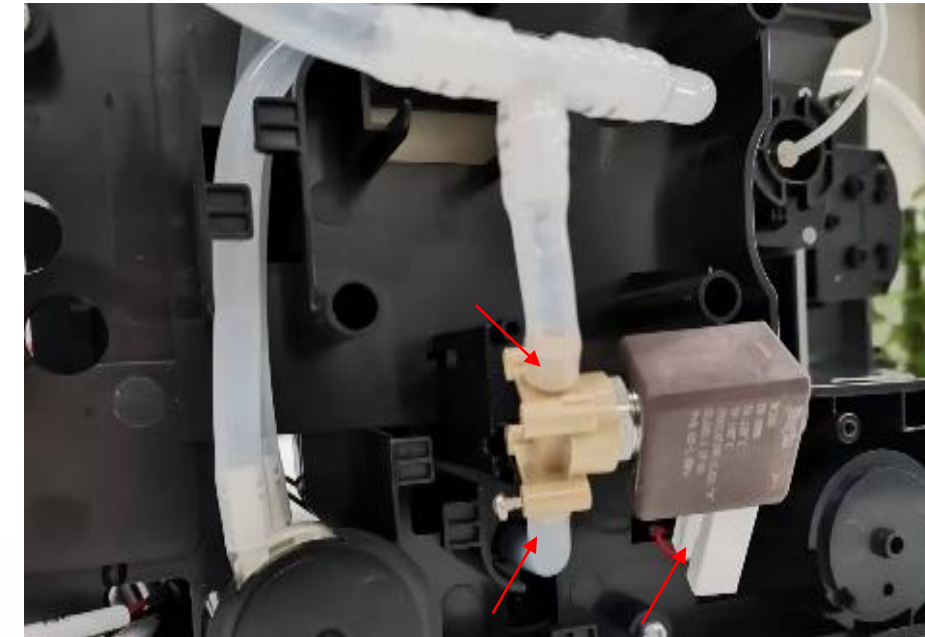
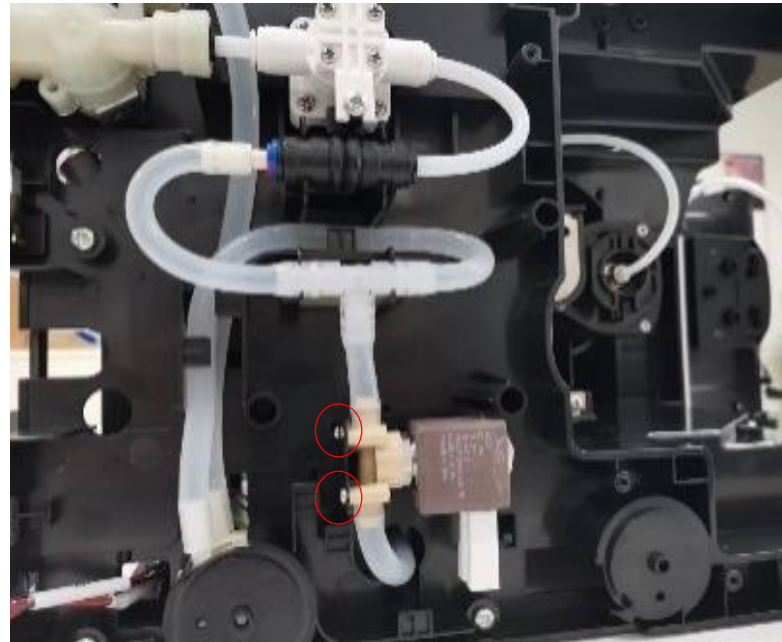
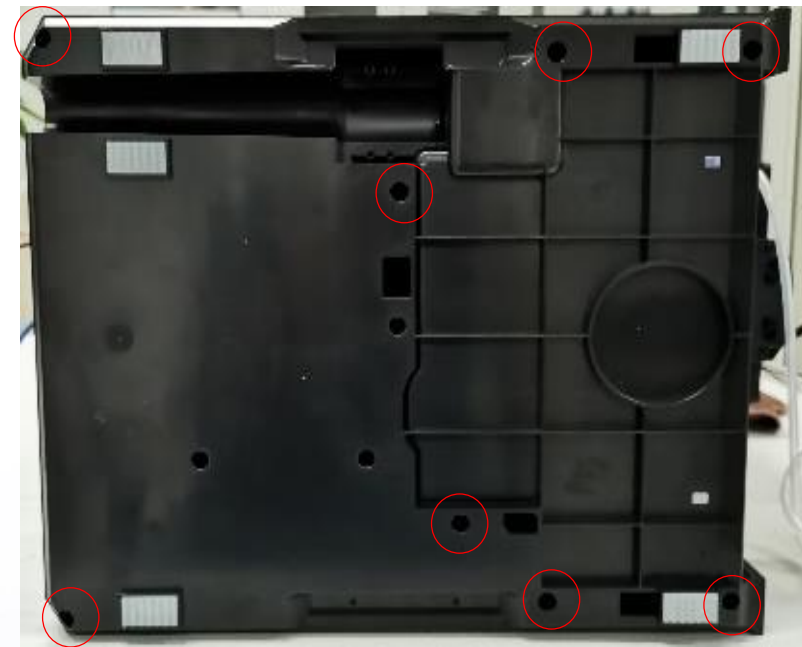
The disassembly method of another boiler is the same as above, and will not be elaborated.

Replacement method of inlet valve, pressure reducing valve and check valve



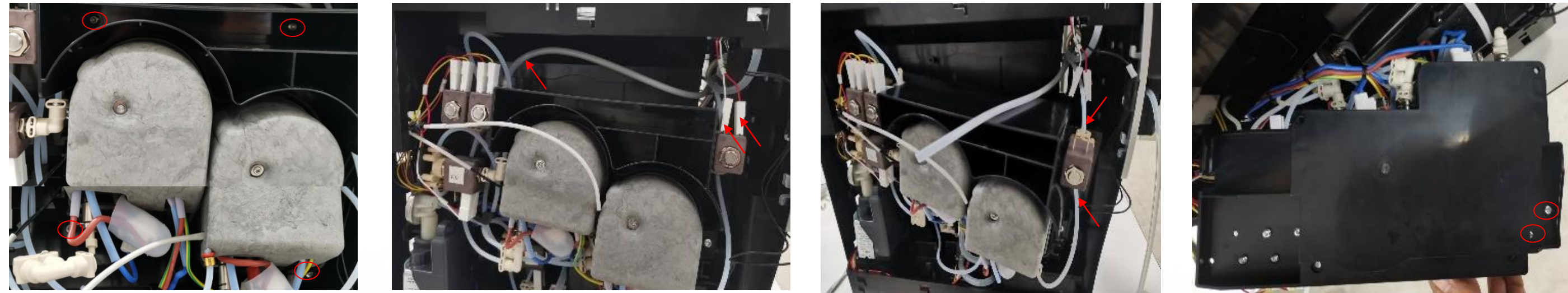
As shown in the picture above, 1, remove the 8 screws on the base and take out the base; 2. Remove the fixing screws of the pressure reducing valve; 3. Water inlet valve power cord (plug shown by arrow) out; 4. Take out the blue buckle, press the shrapnel on the end face of the check valve, and pull out the tube. The components of water inlet valve, pressure reducing valve and check valve are disassembled.

The replacement method of silicone two-two way (water source switching valve) valve



As shown in the picture above, remove the 8 screws from the base and take out the base; Remove the screws fixing the water supply switch valve with T10's plum screwdriver; Pull out the pipe and connector at the position indicated by the arrow, and remove the water supply switch valve.

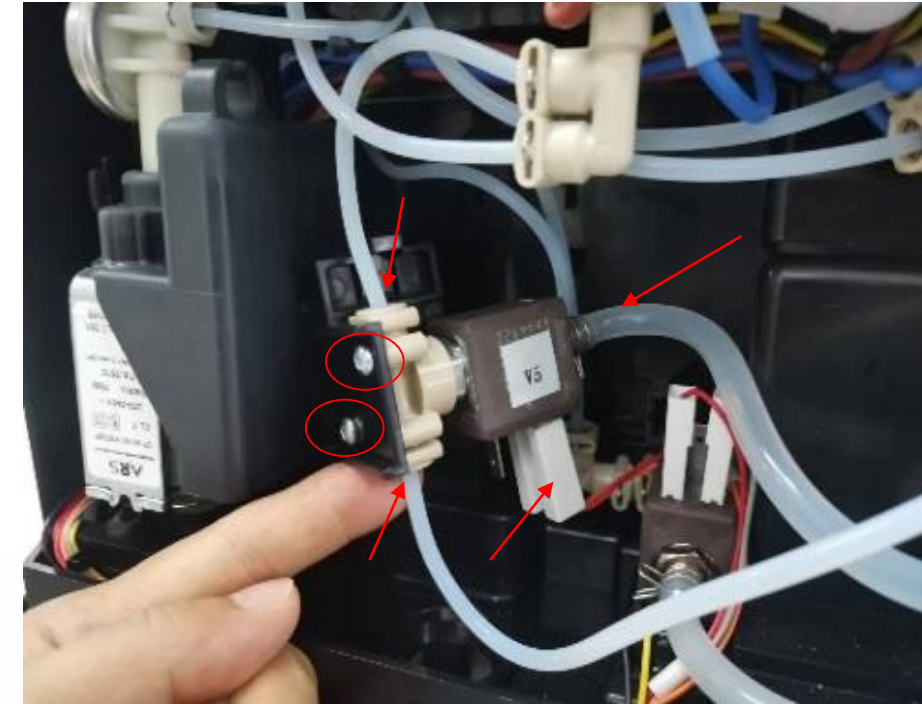
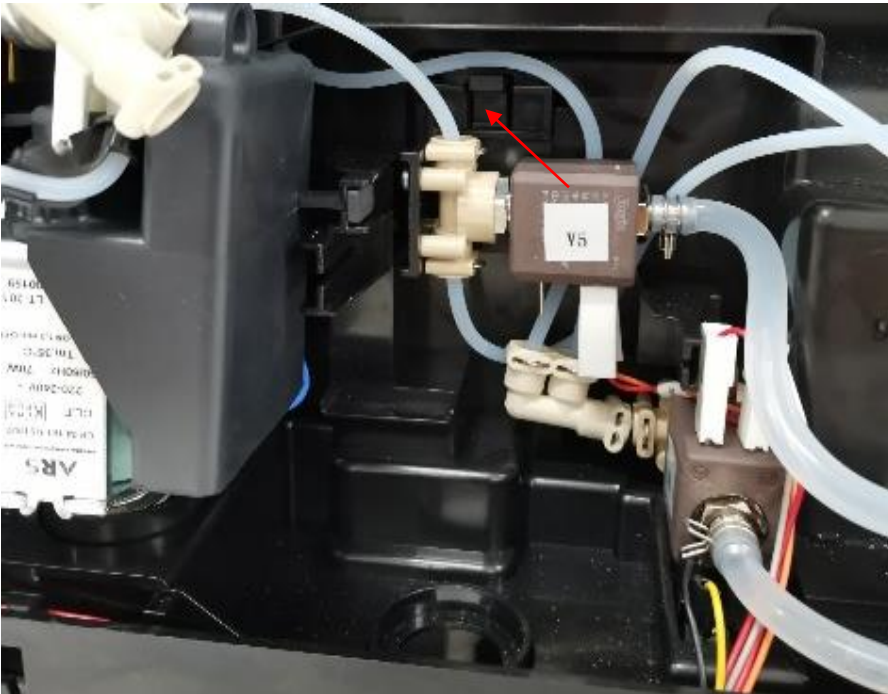
Replacement method of snap type two-position two-way valve



As shown in the picture above, remove the 4 screws from the boiler assembly and remove them slightly; Unplug the hot water pipe and joint at the location indicated by the arrow, and with tweezers, pull the U-shaped clapper out of both nostril of the holding valve joint. Pull out the tube; Remove the valve fixing screw, take out the steam holding valve, valve removal is complete.

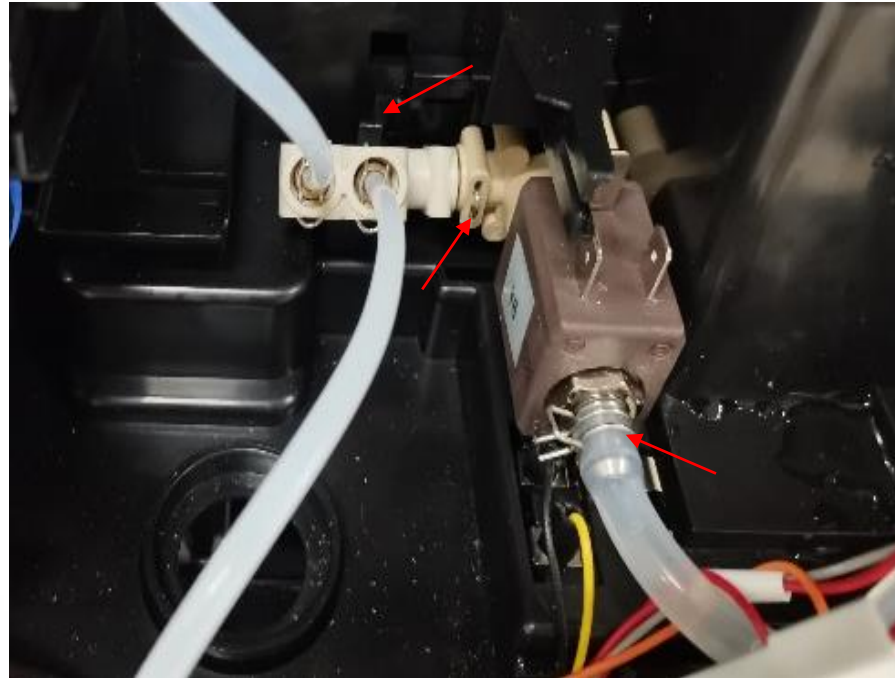
The disassembly method of V1 (cold water inlet valve), V2 (hot water valve) and V10 (cold water extraction switching valve) on another boiler module is the same as above, and will not be elaborated.

Replacement method of snap type pagoda two-position three-way valve (steam exhaust valve)



As shown in the picture above, pull the clasp outwards with index finger, push upward at the same time, remove the steam valve (V5), unplug the water pipe and power connector at the position indicated by the arrow, and use tweezers to pull the U-shaped clasp from both nostrils of the containment valve connector. Pull out the tube; Remove the fixing screw and take out the steam exhaust valve, the valve removal is complete.

Replacement method of snap type two-position three-way valve (ES inlet valve)



As shown in the picture above, unplug the position joint indicated by the arrow; With tweezers, pull the U-shaped clasp out of both nostril of ES inlet valve joint. Pull out the tube; Pull the clasp outwards with your index finger while pushing to the left to remove the inlet valve (V6), remove the fixing screws and remove the ES inlet valve, valve removal is complete.

Air valve 24 V replacement method



As shown in the above picture, first cut off the cable tie, then pull out the pipe and joint marked by the arrow, take off the air valve, disassembly is complete.

JL15&30 Fresh Milk heating Assembly replacement method -1



Take off the nipple of the milk tube, pinch the buttons on both sides of the mouth of the drink with your fingers, take off the lid, and then forcibly take out the lower component of the milk foam;

JL15&30 Fresh Milk Heating Assembly replacement method -2



Remove the nipple and silicone parts of the milk foam, take out the upper component of the milk foam, remove the connector, and then wipe the position of the milk foam installation and the coffee outlet with a wet towel.

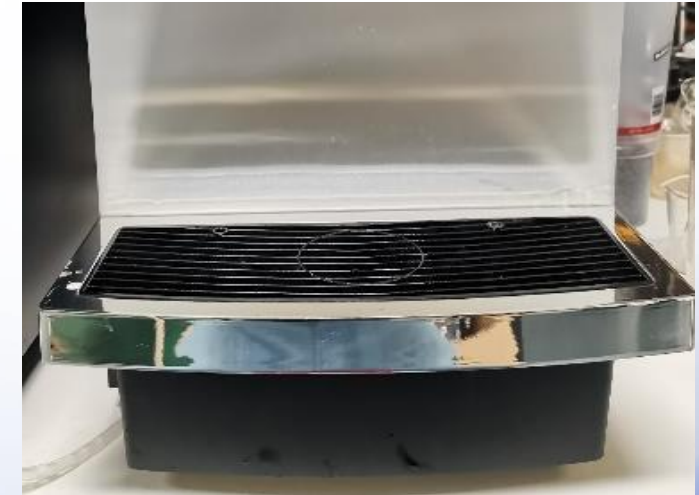


Put the rinsed frother or new frother back into the machine and close the coffee outlet cap.

JL30 waste water container assembly cleaning and replacement method



Pull the water tray out of the machine: use clean water and household cleaner and wash the tray thoroughly with a towel; Rinse with clean water and dry with a towel.



Pay special attention to the circled and marked metal sheet in the figure, be sure to thoroughly wash and dry the entire metal sheet and its surroundings, otherwise it may lead to false alarm phenomenon; Wipe the base with a clean towel, reinstall the dried water tray into the machine, and check to confirm the push to the end.

JL30 waste slag container cleaning and replacement method



- Pull the water catch dish out of the machine, remove the coffee grounds container, and dump the coffee grounds.
- Use clean water and household cleaner to thoroughly clean the coffee grounds container.
- Rinse with clean water and dry with a clean towel, load the coffee grounds container, and reload the machine.