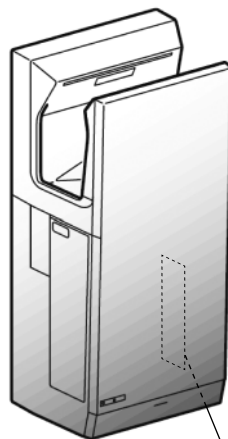


HAND DRYER

HANDBOOK

Model: JT-SB216JSH-W-E
JT-SB216JSH-H-E
JT-SB216JSH-S-E
JT-SB216KSN-W-E



Nameplate









Repair work must be performed by the manufacturer, its service agent or a similarly qualified person in order to avoid hazards.


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1. Safety precautions

- Be sure to read the following precautions thoroughly before the maintenance, and then inspect and repair the product in a safe manner.
- The types and levels of danger that may arise if the product is handled incorrectly are described with the warning symbols shown below.

<div>Warning</div>		Incorrect handling of the product may result in serious injury or death.	
<div>◇ Electric shock</div> <div>If you must inspect the circuitry while the power is on, do not touch the live parts.</div> <div>(Failure to heed this warning may result in electric shock.)</div> <div> Caution against electric shock</div>		<div>◇ Turn off the power</div> <div>Be sure to turn off the earth leakage breaker and the power switch of the product's main unit prior to starting repair work. (The charge voltage in the circuitry remains for another 50 seconds or so, even after the power is turned off and the LED is unlit; therefore, wait for at least 50 seconds before disassembling the product.)</div> <div>(Failure to heed this warning may result in electric shock.)</div> <div> Be sure to follow this instruction.</div>	
<div>◇ Modification is prohibited</div> <div>Do not modify the unit.</div> <div>(Failure to heed this warning may result in electric shock, fire and/or injury.)</div> <div> Prohibited</div>			
<div>◇ Proper electric work</div> <div><ul style="list-style-type: none">• Use the electric wires designated for electric work, and conduct electric work in accordance with the "Electric Installation Engineering Standard", the "Indoor Wiring Regulations" and the installation instructions.• Be sure to check whether the terminals and fixed wiring are securely connected.</div> <div>(Improper connection or wiring installation may result in electric shock and/or fire.)</div> <div> Be sure to follow this instruction.</div>		<div>◇ Use proper parts and tools</div> <div>For repair, be sure to use the parts listed in the service parts list of the applicable model and use the proper tools.</div> <div>(Failure to heed this warning may result in electric shock, fire and/or injury.)</div> <div> Be sure to follow this instruction.</div>	
<div>◇ Scratches and deterioration</div> <div>Be sure to replace scratched and/or deteriorated wiring and lead wires.</div> <div>(Failure to heed this warning may result in electric shock and/or fire.)</div> <div> Prohibited</div>		<div>◇ Check insulation</div> <div>Upon completing repair work, always measure the insulation resistance. Verify that it is at least 10 MΩ (with a 500 V DC insulation resistance tester), and then turn on the power.</div> <div>(Inadequate insulation may result in electric shock.)</div> <div> Be sure to follow this instruction.</div>	

<div>Caution</div>		Incorrect handling of the product may result in serious injury or damage to properties including buildings and equipment.	
<div>◇ Wear gloves</div> <div>Always wear a pair of gloves during inspection or repair work.</div> <div>(Failure to heed this caution may result in injury.)</div>			

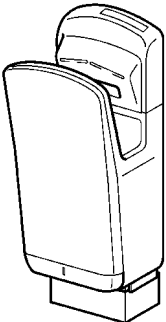

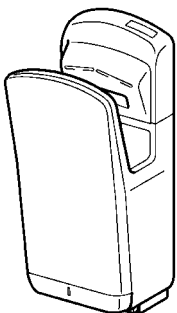

Request for repair

- Before repairs, take the product off the wall.
- Inspect the earth condition, and repair it if it is incomplete. Make sure that an earth leakage breaker or an over-load protection device is installed, if it is not installed, recommend the dealer to install one.
- Check whether the air filter, side cover, and the drain tank are installed securely in place.
- Do not leave a towel or other object in the hand-drying area.
- Never place any object on the main body nor cover it.
- Make sure that the product is not being used in any of the following locations:
 - Outdoors
 - Locations where the temperature could be lower than 0°C
 - Locations where there is a lot of dust
 - Locations where the temperature could be higher than 40°C
 - Locations where there is a lot of condensation
 - Locations where salt damage could occur
 - Vehicles (including ships and airplanes)
 - Locations where corrosive, neutral, or reductive gases are present.
 - Near food or tableware.
 - Kitchens
 - Locations where the appliance may come into direct contact with water. (Where there is a risk of water splashing.)
 - Locations where the appliance is in direct sunlight or strong light (It may cause sensor malfunction)
 - Rooms that have a sterilization basin, swimming pools, bathrooms.
- Make sure that the product operates properly upon completion of repair. Clean the product and the surrounding area, and then notify the customer of the completion of repair.

2. Features

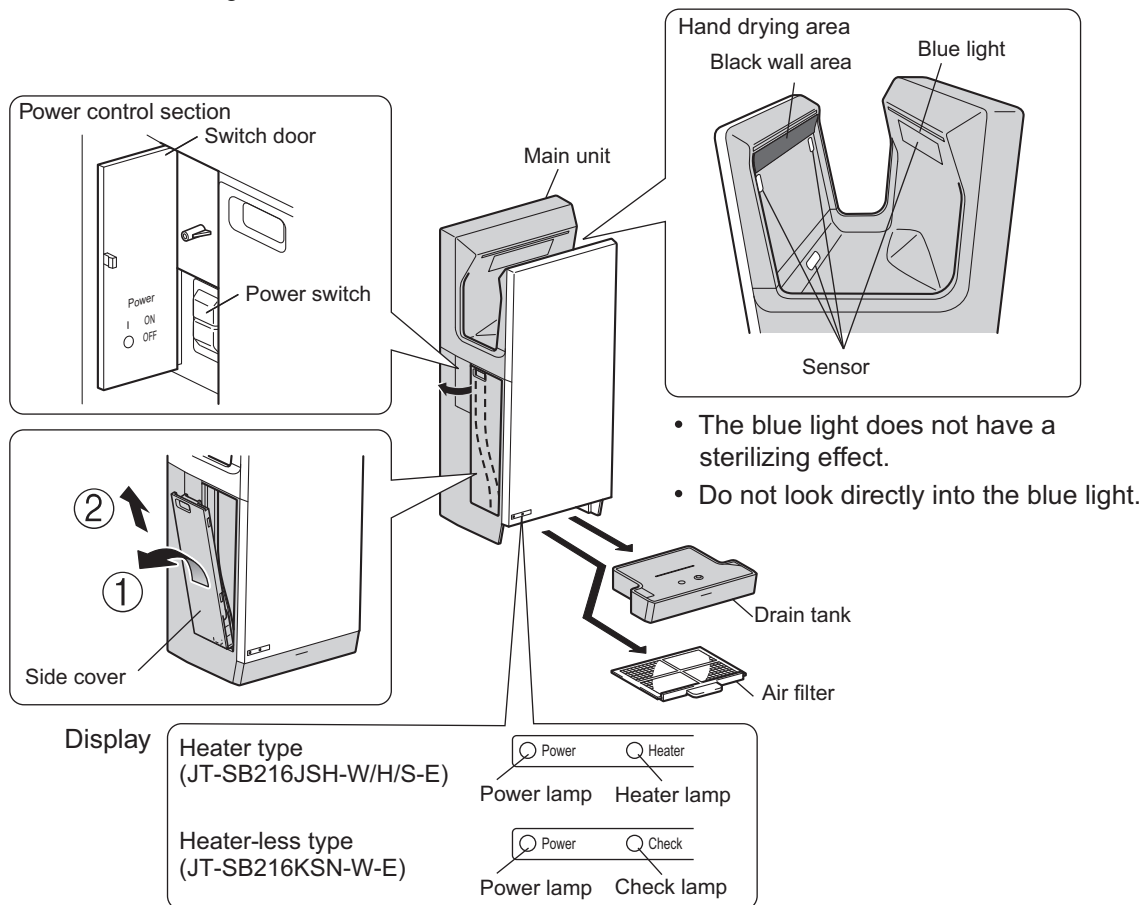
- Wide hand drying area: easy-to-use for people with big hands
- Child sensor: easy-to-use for children
- The wave nozzle has reduced operating sound by 1 dB.
- Cleanable drain ditch
- Joints of hand drying area has been reduced by half.
- Exteriors can be cleaned by wiping with alcohol.
- The square design matches various lavatories.

3. Improved points

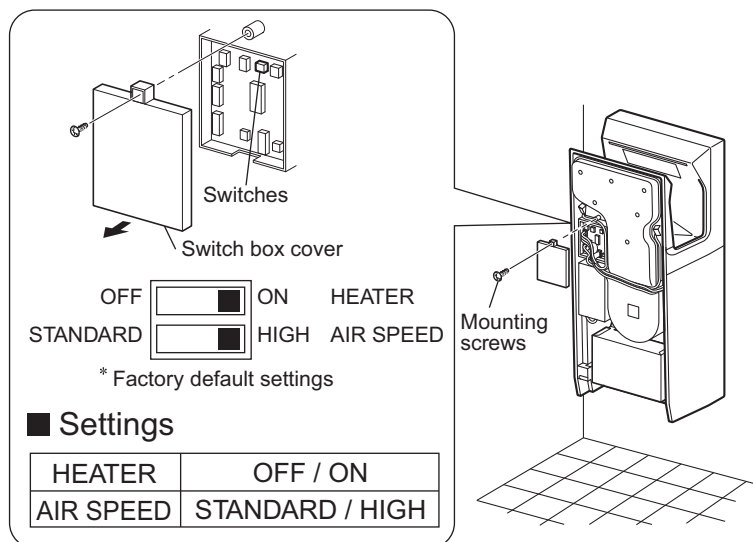
Item	Old model	New model	Old model	New model
	JT-SB216ESH-W-CE JT-SB216ESH-DG-CE JT-SB216ESH-W-E (With a thermal storage heater)	JT-SB216JSH-W-E JT-SB216JSH-H-E JT-SB216JSH-S-E (With a simple heater)	JT-SB216GSN-W-CE JT-SB216GSN-DG-CE JT-SB216GSN-W-E (Without a heater)	JT-SB216KSN-W-E (Without a heater)
Appearance				
Drying time (sec.)	10 to 12	9 to 11	10 to 12	13 to 15
Nozzle	Hyper slit nozzle	Wave nozzle	Hyper slit nozzle	Wave nozzle
Noise (dB)	59	61	59	58
Draining device	Drain hose	Cleanable drain ditch	Drain hose	Cleanable drain ditch
Rated power consumption (W)	1010 to 1200 (During heat accumulation by the heater) 650 (Heater OFF)	1240 (Heater ON) 720 (Heater OFF)	630	550
Rated current (A)	4.6 to 5.0 (During heat accumulation by the heater) 4.0 (Heater OFF)	5.7 to 6.2 (Heater ON) 3.9 to 4.2 (Heater OFF)	3.5	3.0 to 3.2
Weight (kg)	14	11	12	11
Stand (Optional parts)	JP-S15FS-H-E	JP-S21FS2-H-E	JP-S26FS-H-E	JP-S21FS2-H-E

4. Names and functions of components

*Shaded areas in the figure indicate antibacterial material.



<JT-SB216JSH-W/H/S-E>



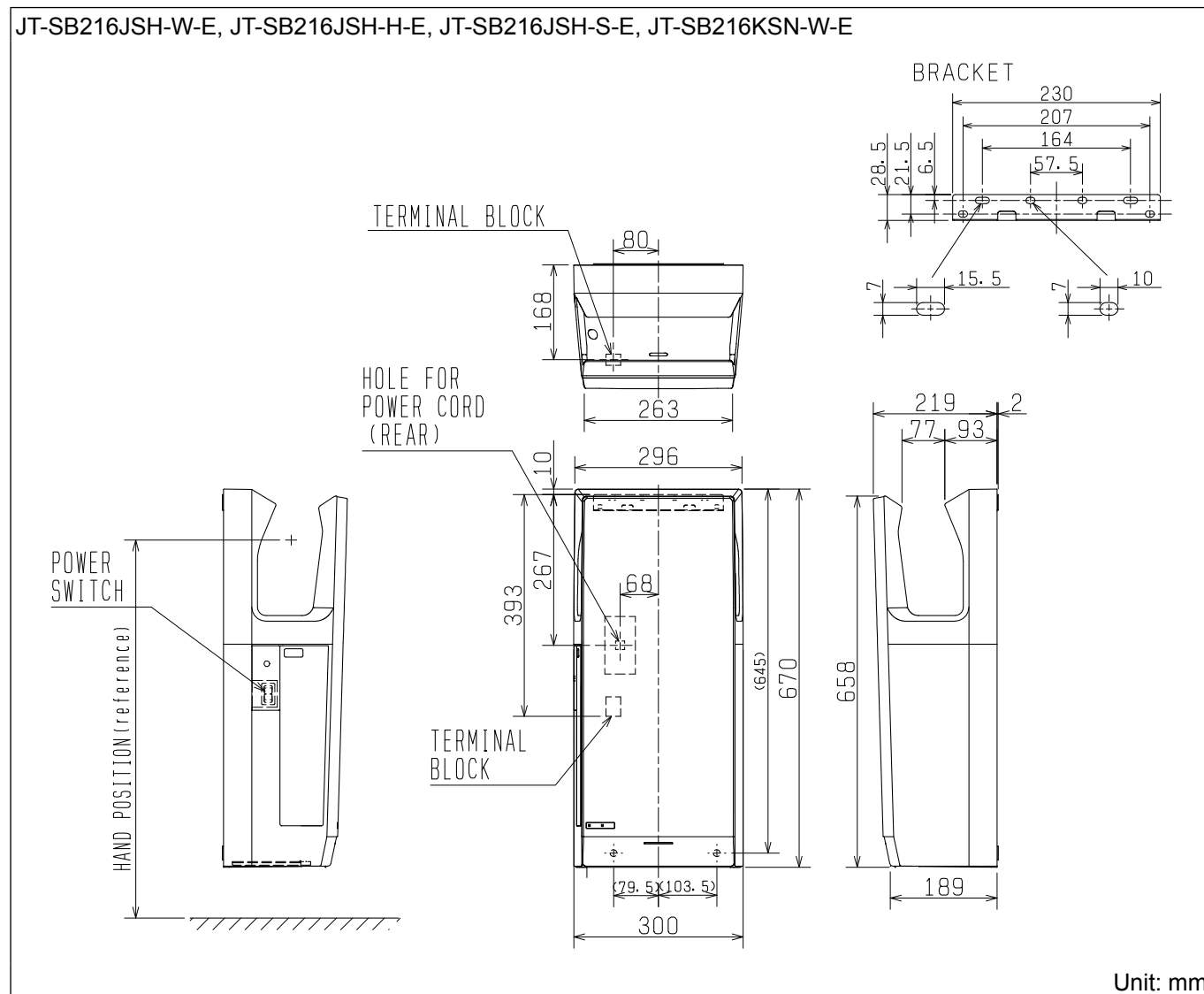
Note: JT-SB216KSN-W-E is not equipped with those switches.

5. Specifications

Model	Rated voltage (V)	Rated frequency (Hz)	Heater	Motor speed	Rated current (A)	Power consumption (W)	Air speed (m/s)	Noise (dB)	Weight (kg)	Drain tank capacity (ℓ)
JT-SB216JSH-W-E	220-240 Single phase	50-60	ON	High	5.7-6.2	1240	106	61	11	0.8
JT-SB216JSH-H-E				Standard	4.9-5.3	1070	98	58		
JT-SB216JSH-S-E			OFF	High	3.9-4.2	720	106	61		
JT-SB216KSN-W-E				Standard	3.0-3.2	550	98	58		
JT-SB216KSN-W-E			—	—	3.0-3.2	550	98	58		

- Air speed is calculated from the static pressure measured by the pitot tube (at the nozzle).
- Noise is the A range value measured in an anechoic room.
(Average as three points, 2 m from the front and both sides.)
- The heater is turned off automatically when ambient temperature is 30°C or more. (Applicable models: JT-SB216JSH-W/H/S-E)

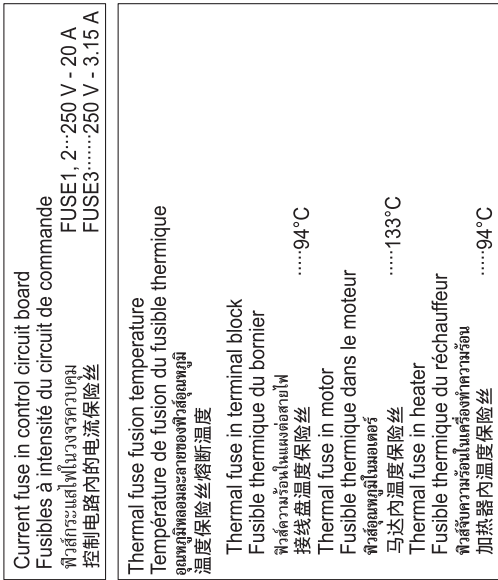
6. Outside dimensions



7. Electrical wiring diagrams

JT-SB216JSH-W-E, JT-SB216JSH-H-E, JT-SB216JSH-S-E

Wiring Diagram Diagramme de câblage
แผนภาพการเดินสาย 接线图



○ : Lit ☆ : Blinking (every 0.4 sec) * : Blinking (every 0.1 sec)
Eleint Cignote (toutes les 0.4 sec.) Allumé Cignote (toutes les 0.1 sec.)
ติดกะพริบ (ทุก 0.4 วินาที) ติดกะพริบ (ทุก 0.1 วินาที)
点亮闪亮 (每0.4秒一次) 闪亮 (每0.1秒一次)

○ or ● : Lit when the heater switch is on, and unlit when off
Lumieux lorsque l'interrupteur du réchauffeur est activé et sombre lorsqu'il est désactivé.
สว่างขึ้นเมื่อเปิดเครื่องทำความร้อน และดับลงเมื่อปิดเครื่อง
加热器开关ON时点亮，加热器开关OFF时熄灭。

Malfunction location quick reference chart (The malfunction location is indicated by the LED lighting status.)

Power LED	Heater LED	Detected content	Cause	Défaut détecté	Cause
☆	○ or ●	Tamper-proof timer	Insertion of foreign objects, continuous operation	Minuterie contre triptotage	Insertion de corps étrangers, fonctionnement continu
●	○	Overvoltage, undervoltage detection	Application of Overvoltage or undervoltage, control circuit board	Sur tension détectée, sous-tension détectée	Sur tension, sous-tension, circuit de commande
○	☆	Motor lock error	Power circuit board, blower	Erreur de verrouillage moteur	Circuit d'alimentation, ventilateur
☆	☆	Motor overspeed error, step-out error	Air filter, blower, power circuit board	Survitesse du moteur, hors synchronisme	Filtre à air, ventilateur, circuit d'alimentation
☆	☆	Overcurrent detected	Blower (short circuit), power circuit board (overcurrent)	Surintensité détectée	Ventilateur (court-circuit), circuit d'alimentation (surintensité)
☆	☆	Motor current detection error	Power circuit board, disconnected motor	Erreur de détection de courant du moteur	Circuit d'alimentation, moteur déconnecté
●	☆	Motor signal error	Power circuit board, disconnected motor	Erreur du signal du microprocesseur	Circuit d'alimentation, moteur déconnecté
●	☆	Microcomputer error	Control circuit board	Erreur du microprocesseur	Circuit de commande
●	●	Fuse fusion	Current fuse, thermal fuse in motor	Fusible grillé	Fusible à intensité, fusible thermique du moteur
Power LED	Heater LED	สิ่งที่พบได้	สาเหตุ	检测结果	原因
☆	○ or ●	เครื่องจับเวลาที่มีวามทนทาน	พบวัตถุแปลกปลอม, ทำงานต่อเนื่อง	防恶劣作剧定时器	异物插入, 连续运转
●	○	ตรวจพบแรงดันสูงเกินไป, ตรวจพบแรงดันต่ำเกินไป	ความดันแรงดันไฟฟ้าเกิน, ความดันแรงดันไฟฟ้าขาด, มอเตอร์หมุน	检测到过电压, 电压不足	电压过大, 电压不足, 控制电路
○	☆	ข้อผิดพลาดที่เกี่ยวกับมอเตอร์ล็อก	วงรีไฟฟ้า, ไบรเวอร์	马达锁定异常	电源电路, 送风机
○	☆	ข้อผิดพลาดที่เกี่ยวกับมอเตอร์ความเร็วเกิน	การอุดตัน, ไบรเวอร์, วงรีไฟฟ้า	马达超速异常, 失调异常	空气滤网, 送风机, 电源电路
☆	☆	ตรวจพบกระแสเกิน, ตรวจพบกระแสเกิน	ไบรเวอร์ (ไม่ปิดสวิตช์), วงรีไฟฟ้า (กระแสไฟฟ้าเกิน)	检测到过电流	送风机 (短路), 电源电路 (过电流)
☆	☆	พบข้อผิดพลาดเกี่ยวกับกระแสไฟฟ้าของมอเตอร์	วงรีไฟฟ้า, มอเตอร์ที่ตัดการทำงาน	电机电流检测异常	电源电路, 马达脱离
☆	☆	ข้อผิดพลาดเกี่ยวกับไมโครคอมพิวเตอร์	วงรีไฟฟ้า, มอเตอร์ที่ตัดการทำงาน	微电脑信号异常	电源电路, 马达脱离
●	●	ข้อผิดพลาดของฟิวส์ความดันไฟฟ้า	วงรีไฟฟ้า, มอเตอร์ที่ตัดการทำงาน	微电脑异常	控制电路
●	●	ฟิวส์ละลาย	ฟิวส์กระแสเกิน, ฟิวส์ความร้อนในมอเตอร์	保险丝熔断	电流保险丝, 马达内温度保险丝

Wiring Diagram

Diagramme de câblage

แผนภาพการเดินสาย 接线图

Current fuse in control circuit board
Fusibles à intensité du circuit de commande
FUSE1, 2...250 V - 20 A
ฟิวส์กระแสไฟในวงจรควบคุม
控制电路内的电流保险丝

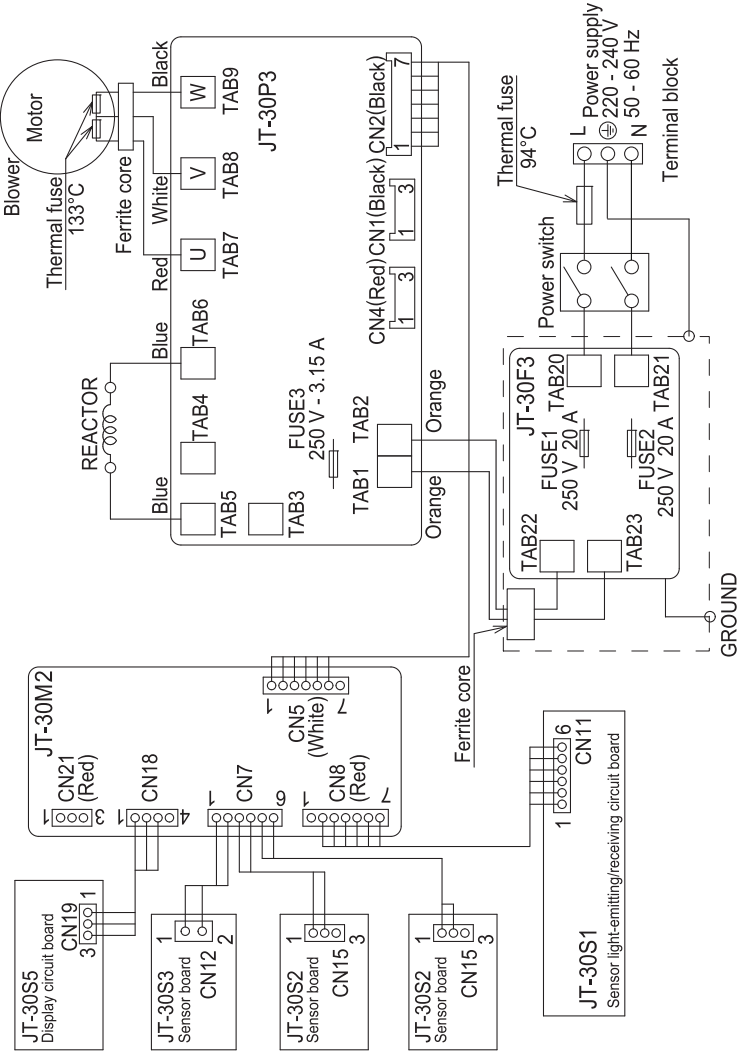
Thermal fuse fusion temperature
Température de fusion du fusible thermique
อุณหภูมิฟิวส์หลอมละลายของฟิวส์อุณหภูมิ
温度保险丝熔断温度

Thermal fuse in terminal block
Fusible thermique du bornier
ฟิวส์ความร้อนในแผงต่อสายไฟ
接线盘温度保险丝

Thermal fuse in motor
Fusible thermique dans le moteur
ฟิวส์อุณหภูมิในมอเตอร์
马达内温度保险丝

○ : Lit
☆ : Blinking (every 0.4 sec)
Eteint
ดับ
点亮
闪亮 (每0.4秒一次)

● : Unlit
☆ : Blinking (every 0.1 sec)
Allumé
ดับ
点亮
闪亮 (每0.1秒一次)



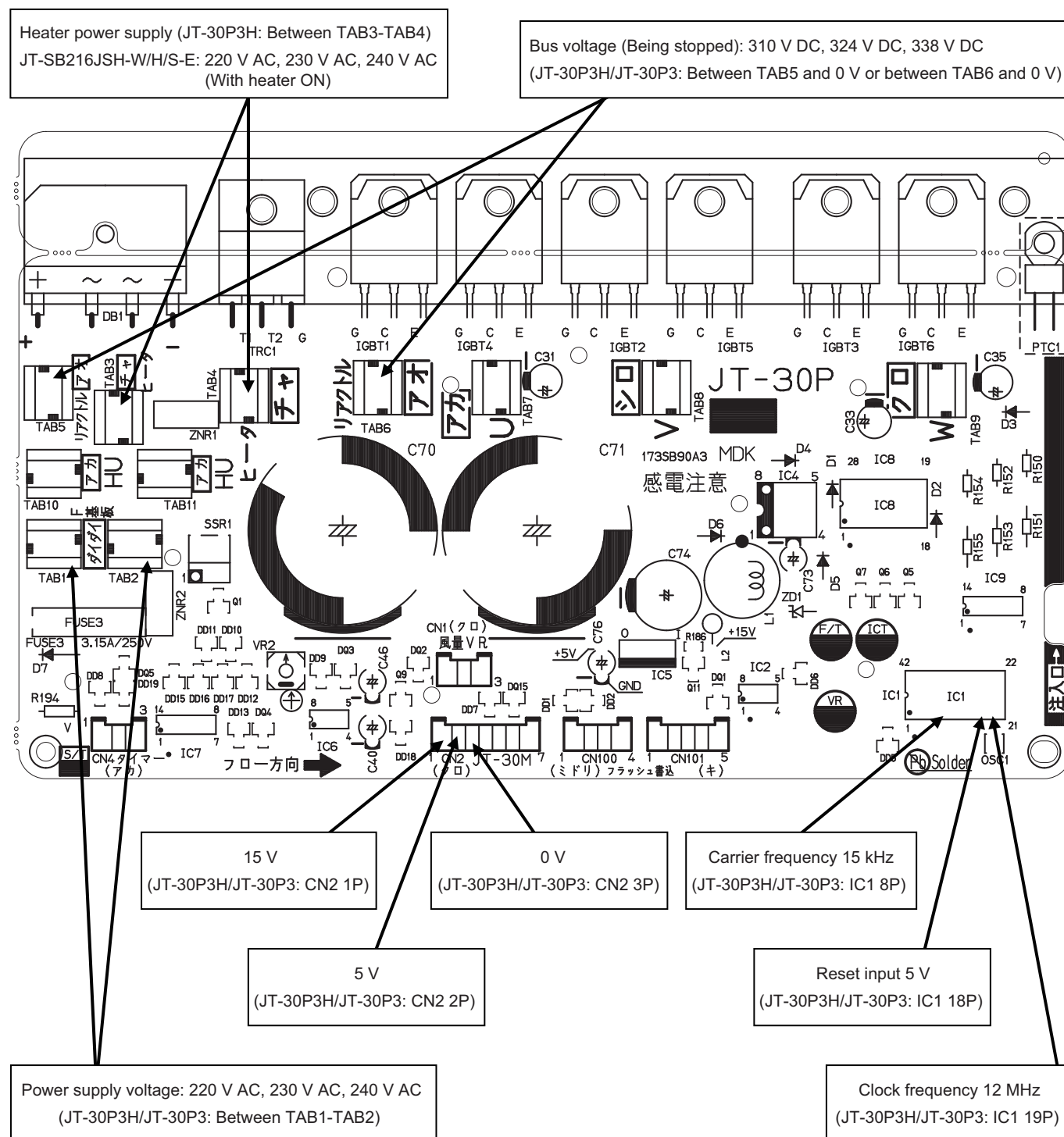
Malfunction location quick reference chart (The malfunction location is indicated by the LED lighting status.)

Power LED	Check LED	Detected content	Cause	Défaut détecté	Cause
☆	●	Tamper-proof timer	Insertion of foreign objects, continuous operation	Minuterie contre triptolage	Insertion de corps étrangers, fonctionnement continu
●	○	Overvoltage, undervoltage detection	Application of Overvoltage or undervoltage, control circuit board	Sur tension détectée, sous-tension détectée	Sur tension, sous-tension, circuit de commande
☆	○	Motor lock error	Power circuit board, blower	Erreur de verrouillage moteur	Circuit d'alimentation, ventilateur
○	☆	Motor overspeed error, step-out error	Air filter, blower, power circuit board	Sur vitesse du moteur, hors synchronisme	Filtere à air, ventilateur, circuit d'alimentation
☆	☆	Overcurrent detected	Blower (short circuit), power circuit board (overcurrent)	Surintensité détectée	Ventilateur (court-circuit), circuit d'alimentation (surintensité)
☆	☆	Motor current detection error	Power circuit board, disconnected motor	Erreur de détection de courant du moteur	Circuit d'alimentation, moteur déconnecté
●	☆	Microcomputer signal error	Power circuit board, disconnected motor	Erreur du signal du microprocesseur	Circuit d'alimentation, moteur déconnecté
●	*	Microcomputer error	Control circuit board	Erreur du microprocesseur	Circuit de commande
●	●	Fuse fusion	Current fuse, thermal fuse in motor	Fusible grillé	Fusible à intensité, fusible thermique du moteur
Power LED	Check LED	สิ่งที่พบได้	สาเหตุ	检测内容	原因
☆	●	เครื่องจับเวลาที่มีระบบทาน	พบวัตถุแปลกปลอม, ทำงานต่อเนื่อง	防恶劣作剧定时器	异物插入, 连续运转
●	○	ตรวจพบแรงดันสูงเกินไป, ตรวจพบแรงดันต่ำเกินไป	ตรวจสอบแรงดันไม่ปกติ, ความร้อนเพิ่มขึ้นผิดปกติ, วรรณควบคุม	检测到过电压, 电压不足	电压过大, 电压不足, 控制电路
☆	○	ข้อผิดพลาดเกี่ยวกับมอเตอร์ล็อก	วงจรมอเตอร์, ไบเลตอร์	马达锁定异常	电源电路, 送风机
○	☆	ผิดพลาดเนื่องจากระบบมอเตอร์เร็วเกินไป ข้อผิดพลาดเกี่ยวกับมอเตอร์	ใบกรองอากาศ, ไบเลตอร์, วงจรมอเตอร์, วงจรมอเตอร์	马达超速异常, 失调异常	空气滤网, 送风机, 电源电路
☆	☆	ตรวจพบกระแสเกิน	ใบกรองอากาศ, ไบเลตอร์, วงจรมอเตอร์	检测到过电流	送风机 (短路), 电源电路 (过电流)
☆	☆	พบข้อผิดพลาดเกี่ยวกับกระแสไฟฟ้าของมอเตอร์	วงจรมอเตอร์, มอเตอร์ที่ถอดออก	电机电流检测异常	电源电路, 马达断开
☆	☆	ข้อผิดพลาดสัญญาณไมโครคอมพิวเตอร์	วงจรมอเตอร์, มอเตอร์ที่ถอดออก	微电脑信号异常	电源电路, 马达断开
●	●	ข้อผิดพลาดของไมโครคอมพิวเตอร์	วรรณควบคุม	微电脑异常	控制电路
●	●	ฟิวส์ละลาย	ฟิวส์กระแสไฟฟ้า, ฟิวส์ความร้อนในมอเตอร์	保险丝熔断	电流保险丝, 马达内温度保险丝

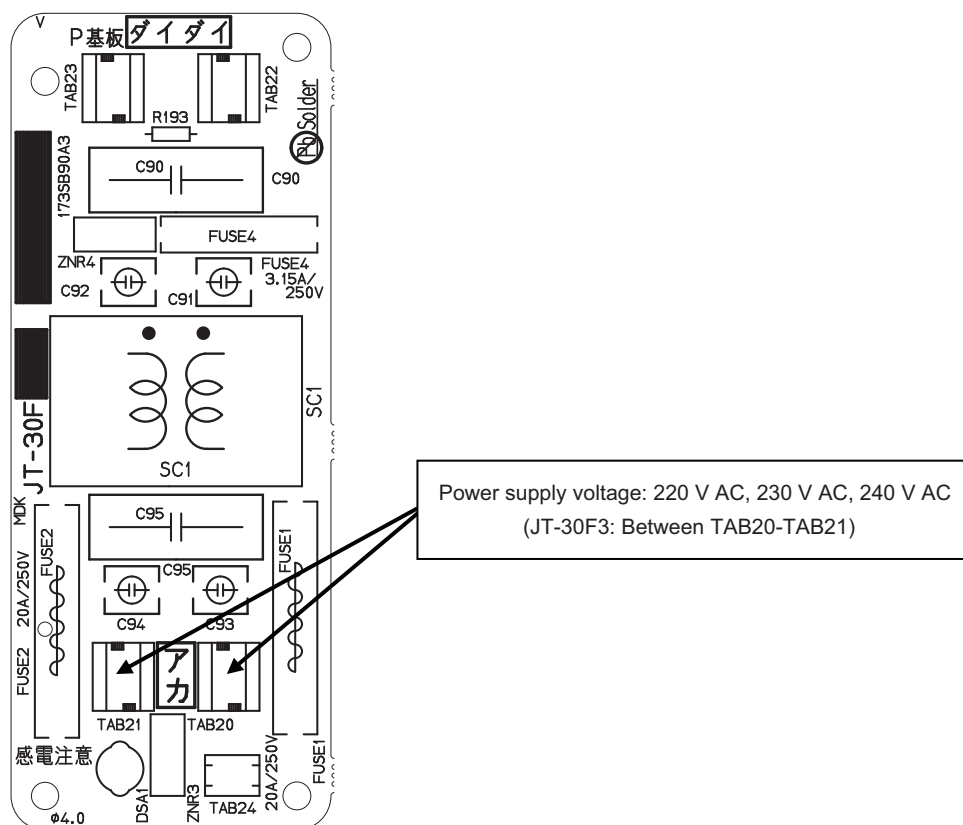
8. Circuit board diagrams

● Circuit board diagrams and check points

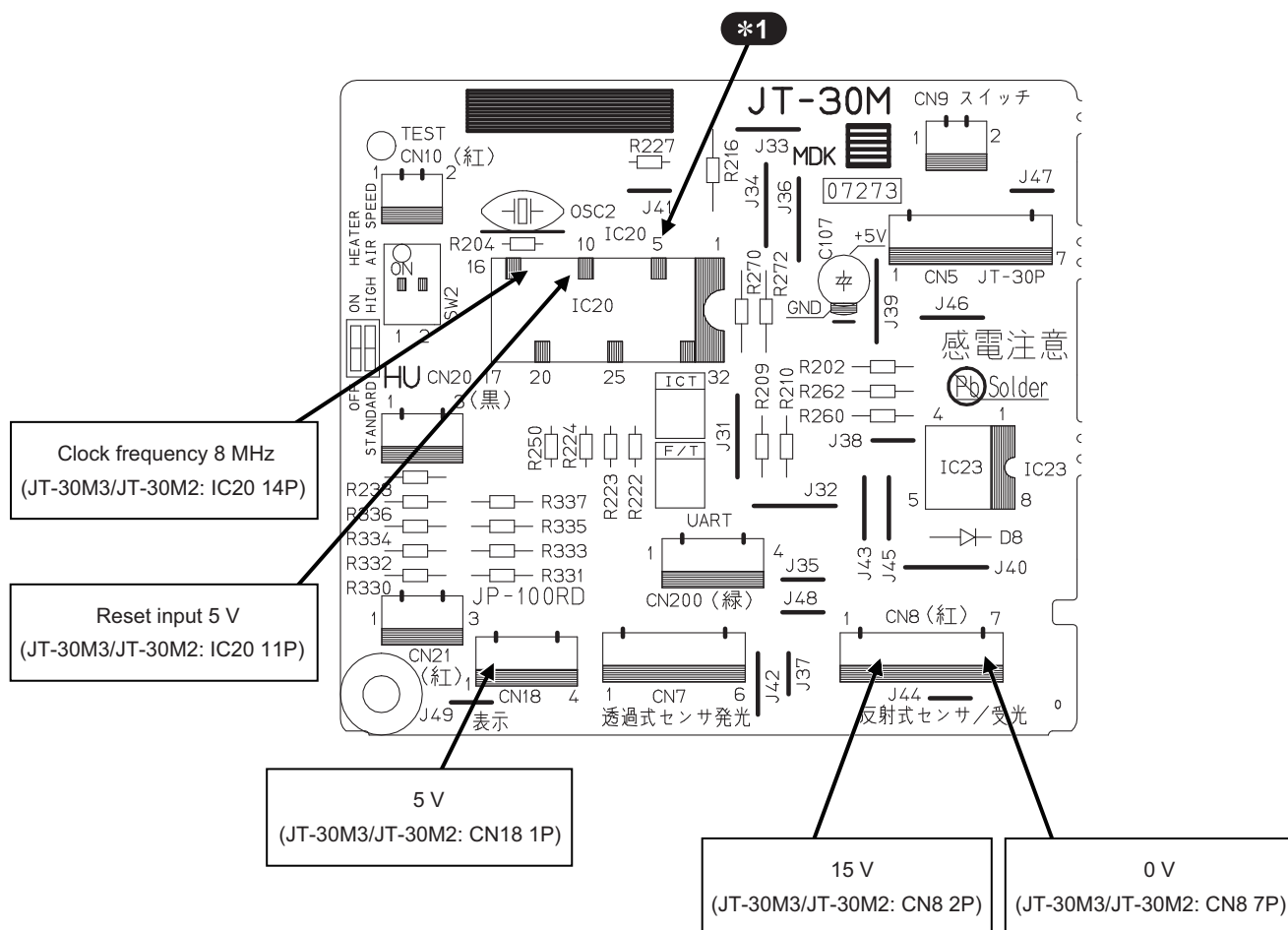
① Power circuit board (JT-30P3H [JT-SB216JSH-W/H/S-E] /JT-30P3 [JT-SB216KSN-W-E])



② Filter circuit board (JT-30F3)



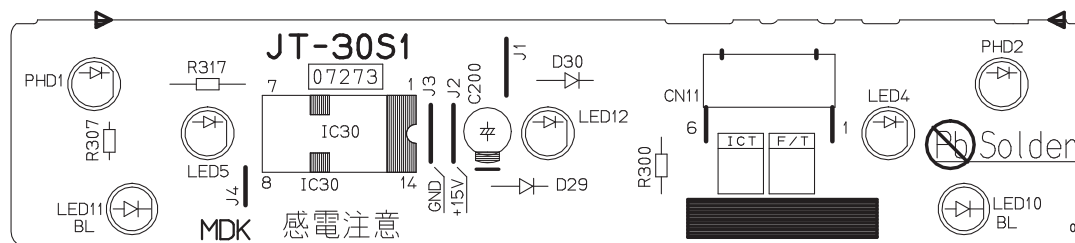
③ Control circuit board (JT-30M3 [JT-SB216JSH-W/H/S-E] /JT-30M2 [JT-SB216KSN-W-E])



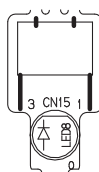
***1** Circuit thermostat characteristics (JT-30M3/JT-30M2: IC20 5P)

Temperature	Resistance	IC20 5P Voltage
20°C	59.3 kΩ	3.44 V
30°C	37.6 kΩ	2.91 V
40°C	24.5 kΩ	2.38 V

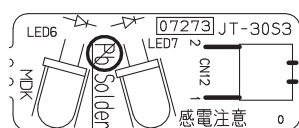
④ Light receiving circuit board (JT-30S1) (Upper sensor)



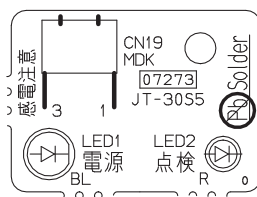
⑤ Sensor circuit board (middle) (JT-30S2) (Middle sensor)



⑥ Sensor circuit board (lower) (JT-30S3) (Lower sensor)



⑦ Display circuit board (JT-30S5)



9. Fundamentals of operation

● Descriptions of circuit operation

(1) Notes for turning the power switch “ON / OFF”

- ① When the power switch is turned “ON”, the power lamp (LED1), the heater lamp (LED2) (JT-SB216JSH-W/H/S only, with the heater switch ON), and blue illumination lamps (LED10, 11) turn on after 1.5 seconds(*1), and the hand dryer becomes ready for operation.
 - Before the power lamp turns on, the hand dryer will not operate even if hands are inserted in the hand drying area. In the meantime, the microcomputer (IC20) of the main unit performs the initial settings, including the setting of the hand detection sensor sensitivity.
 - In order to set the sensitivity of the hand detection sensor correctly, do not insert hands in the hand drying area until the power lamp is turned on.
 - Even if the hand dryer has started immediately (within 15 seconds or less) after turning the power switch “ON”, it is normal though the motor input may become slightly lower due to the initial setting.

*1: If the power switch is turned ON again 30 to 120 seconds after turning the power switch OFF, it may take 3 seconds before the operation is enabled.
- ② When the power switch is turned “OFF”, the power lamp and blue illumination lamps turn off and operation stops.
 - The circuitry takes about 50 seconds to discharge the voltage retained in it. Wait until the discharging time elapses before plugging in or out the connectors, replacing the circuit boards, or doing other maintenance.
 - Even when any error is occurred, the error display will go off if the power switch has been turned off. Only when a microcomputer error is occurred, the error display persists till the voltage retained in the circuitry has been discharged (till the microcomputer has been reset).

(2) Hand detection and operation

- ① The hand detection sensors are infrared sensors containing the light emitting sensor (infrared LED) and light receiving sensor (photo-diode), etc. and consist of the upper sensor, the middle sensors, and the lower sensor.
- ② Reflection type upper sensor:
This sensor detects the change in the reflected amount of infrared light when hands are inserted.
Transmission type middle and lower sensors:
These sensors detect that the infrared light is shielded when hands are inserted.
- ③ When the lower or middle sensors detect hands, the blower motor turns on and the hand dryer starts to operate.
- ④ Once operation has started, it continues as long as any of the upper, middle, or lower sensors detects hands.
- ⑤ If 1.5 to 3 seconds elapse without detecting hands by any of the sensors, the blower motor turns off and operation stops.
- ⑥ The hand dryer continuously operates for up to 30 seconds.
 - Once 30 seconds have elapsed, the hand dryer stops operating even if hands are detected.
 - Since this is a function to assume the presence of a foreign object, the operation will resume if hands are pulled out and reinserted.

(3) Control of the heater (Applicable models: JT-SB216JSH-W/H/S-E)

- ① The heater turns ON simultaneously with the blower motor turns ON. (The heater lamp turns on.)
- ② The heater does not turn ON in the following occasions:
 - When the heater switch is turned "OFF"
 - When the circuit thermostat detection temperature on the control circuit board (JT-30M3) is 32°C or higher

(4) Turning ON/OFF of the blue illumination lamps

(Applicable models: JT-SB216JSH-W/H/S-E)

- ① While the power is ON and the motor is stopping, switching the air speed switch six times within 5 seconds turns off the blue illumination lamps. (The switching can be started from either side of HIGH or STANDARD.)
- ② Also when turning the illumination lamps on from off, perform the switching in the same way as described in ①.

10. Troubleshooting

■ Work precautions

- When servicing, be sure to recreate the malfunction two or three times before starting repairs.
- When servicing, always take care to keep proper footing.
- Before starting the service, always unplug the power cord from the outlet, or turn off the earth leakage breaker when no power cord plug is provided. Sufficient care must be taken to avoid electric shock or injury.
- Make sure to connect the power supply wires correctly.
- When removing the circuit board, always hold it at both ends and remove carefully so as not to apply force to the surface mounted parts.
- When removing the circuit board, be careful of the metal edges on the board.
- When removing or inserting the connectors for the circuit board, hold the entire housing section. Never pull on the lead wires.
- When circuit board failure is considered to be a cause, check closely for any broken section on the copper foil patterns, burning or discoloration of parts.
- After replacing a circuit board, make sure to restore the same settings as before the replacement.

Description of the error mode display

<JT-SB216JSH-W/H/S-E>

<JT-SB216KSN-W-E>



Power LED Heater LED



Power LED Check LED

○ : ON ☆ : Slow blinking (ON for 0.4 seconds/ OFF for 0.4 seconds)

● : OFF * : Fast blinking (ON for 0.1 second/ OFF for 0.1 second)

Troubles with error display

Error Mode Display	Checkpoint	Check Method and Remedy				
<table><tr><td>Power</td><td>Heater/Check</td></tr><tr><td>●</td><td>●</td></tr></table> <p>(Fuse is blown)</p>	Power	Heater/Check	●	●	Power supply voltage	Check that the power switch is turned ON and that approx. 220 to 240 V AC is supplied at both ends of the power cord connections on the terminal block. ■ If 220 to 240 V AC is not supplied, check the following points. ① Check if the earth leakage breaker is turned ON. ② Check if the power cord is connected securely to the terminal block.
Power	Heater/Check					
●	●					
	Power supply voltage on the power circuit board (JT-30P3H/JT-30P3)	Check that approx. 220 to 240 V AC is supplied between TAB1 and TAB2 (orange) on the power circuit board (JT-30P3H/JT-30P3).				
●If 220 to 240 V AC <u>is not supplied</u> , check the following points.						
	Power supply voltage on the filter circuit board (JT-30F3)	Check that approx. 220 to 240 V AC is supplied to the following points in the order of ① and ②. ① Between TAB20 and TAB21 (red) If approx. 220 to 240 V AC is not supplied, replace the power switch (assembly). ② Between TAB22 and TAB23 (orange) If approx. 220 to 240 V AC is not supplied, replace the filter circuit board (JT-30F3).				
●When 220 to 240 V AC <u>is supplied</u> , check the following points.						
	Connector disconnection for the display circuit board (JT-30S5)	Check if the connector CN19 on the display circuit board (JT-30S5) or CN18 on the control circuit board (JT-30M3/JT-30M2) is disconnected.				

Error Mode Display		Checkpoint	Check Method and Remedy
Power	Heater/Check	Connector disconnection between the circuit boards	Check if the connector CN2 on the power circuit board (JT-30P3H/JT-30P3) or CN5 on the control circuit board (JT-30M3/JT-30M2) is disconnected.
●	●		
(Fuse is blown)			
		Malfunction of the control circuit board (JT-30M3/JT-30M2)	If no error is found after checking the above, replace the control circuit board (JT-30M3/JT-30M2).
		Malfunction of the power circuit board (JT-30P3H/JT-30P3)	If the hand dryer does not operate even after replacing the control circuit board (JT-30M3/JT-30M2), replace the power circuit board (JT-30P3H/JT-30P3).
Power	Heater/Check	Leftover object	Check for any objects left over and shielding the sensor in the hand drying area.
☆	○ or ●	Dirty sensor window	Dirt may shield the sensors. Wipe the dirt off the sensor window.
(Tamper-proof timer)		Connector disconnection for the sensors	Check if the following connectors are disconnected. ① Sensor circuit board (lower) (JT-30S3) connector CN12 ② Sensor circuit board (middle) (JT-30S2) (2 locations) connectors CN15 ③ Light receiving circuit board (JT-30S1) connector CN11 ④ Control circuit board (JT-30M3/JT-30M2) connectors CN7 and CN8
		Malfunction of the control circuit board (JT-30M3/JT-30M2)	If no error is found after checking the above, replace the control circuit board (JT-30M3/JT-30M2).
Power	Heater/Check	Abnormal power supply voltage	Check if correct power supply voltage is applied. • The error will occur if the power supply voltage is approx. 359 V AC or over, or approx. 127 V AC or under. *Note: If 359 V AC or over is applied, a current fuse on the power circuit board (JT-30P3H/JT-30P3) may blow.
●	○		
(Overvoltage or undervoltage detection)		Malfunction of the power circuit board (JT-30P3H/JT-30P3)	If no error is found after checking the above, replace the power circuit board (JT-30P3H/JT-30P3).
Power	Heater/Check	Motor malfunction	Check if the motor is locked or turns smoothly by hand.
○	☆	Malfunction of the power circuit board (JT-30P3H/JT-30P3)	If no error is found after checking the above, replace the power circuit board (JT-30P3H/JT-30P3).
(Motor start error) (Motor lock) (Motor over-revolution)		Blower (assembly) malfunction	If the error display persists after replacing the power circuit board (JT-30P3H/JT-30P3), replace the blower (assembly).
Power	Heater/Check	Motor overload	Check for causes of motor overload. (Too much higher power supply voltage, any object disturbing the motor revolution, etc.)
☆	☆	Connector disconnection for the motor	Check if the motor lead wire connectors (black, white, and red) are disconnected.
(Motor overcurrent error) (Current detection circuit error)		Blown thermal fuse of the motor	Measure the resistance between Red - White and Red - Black of the motor lead wires. If it is ∞Ω, replace the blower (assembly).
		Malfunction of the power circuit board (JT-30P3H/JT-30P3)	If no error is found after checking the above, or if the error display persists after replacing the blower (assembly), replace the power circuit board (JT-30P3H/JT-30P3).

Error Mode Display		Checkpoint	Check Method and Remedy
Power	Heater/Check	Connector disconnection	Check if the connector CN5 on the control circuit board (JT-30M3/JT-30M2) or CN2 on the power circuit board (JT-30P3H/JT-30P3) is disconnected.
●	☆		
(Motor signal error)		Malfunction of the power circuit board (JT-30P3H/JT-30P3)	If no error is found after checking the above, replace the power circuit board (JT-30P3H/JT-30P3).
Power	Heater/Check	Malfunction of the control circuit board (JT-30M3/JT-30M2)	Replace the control circuit board (JT-30M3/JT-30M2).
●	*		
(Microcomputer error)			

Troubles without error display

Symptom	Cause	Check Method and Remedy
Warm air does not blow. (JT-SB216JSH-W/H/S-E)	Heater switch	Check if the heater switch is turned ON. (Heater lamp lights with the heater switch ON.)
	Connector disconnection for the heater	Check if the connectors TAB3 and TAB4 on the power circuit board (JT-30P3H) are disconnected.
	Blown thermal fuse of the heater	Measure the resistance between the connectors TAB3 and TAB4 on the power circuit board (JT-30P3H). At a heater temperature of 0°C or over: 100 Ω or under If the fuse is blown, the resistance will be ∞ Ω. In this case, replace the heater (PTC) and the power circuit board (JT-30P3H).
	Malfunction of the power circuit board (JT-30P3H)	Check if approx. 220 to 240 V AC is output at both ends of the connectors TAB3 and TAB4 on the power circuit board (JT-30P3H). If it is not output, replace the power circuit board (JT-30P3H). *Note: Approx. 220 to 240 V AC is output during operation, and it is not output during standby.
	Heater malfunction	If no error is found after checking the above, replace the heater (PTC).
The hand dryer operates by itself. The hand dryer does not stop operation.	Connector disconnection for the sensors	Check if the following connectors are disconnected. ① Sensor circuit board (lower) (JT-30S3) connector CN12 ② Sensor circuit board (middle) (JT-30S2) (2 locations) connectors CN15 ③ Light receiving circuit board (JT-30S1) connector CN11 ④ Control circuit board (JT-30M3/JT-30M2) connectors CN7 and CN8
	Malfunction of the sensor circuit boards (JT-30S1/2/3)	Visually check the sensor circuit boards for a defect such as a crack, corrosion, or a cold solder joint. If the error persists after replacing the control circuit board (JT-30M3/JT-30M2) in the next procedure, replace the defective sensor circuit boards (JT-30S1/2/3).
	Malfunction of the control circuit board (JT-30M3/JT-30M2)	If no error is found after checking the above, replace the control circuit board (JT-30M3/JT-30M2).
Air speed switch does not change the air volume. (JT-SB216JSH-W/H/S-E)	Connector disconnection	Check if the connector CN21 on the control circuit board (JT-30M3) or CN4 on the power circuit board (JT-30P3H) is disconnected.
	Malfunction of the power circuit board (JT-30P3H)	If no error is found after checking the above, replace the power circuit board (JT-30P3H).

Symptom	Cause	Check Method and Remedy
The hand dryer makes abnormal noises. Air blow is weak.	Sucking of foreign matter	Check for any foreign matter sticking to the blower (assembly) vanes.
	Clogged filter	Check the filter for clogging with dust, etc.
	Incorrect wiring	Check if the motor lead wires of the blower (assembly) (red to TAB7, white to TAB8, black to TAB9) are connected to incorrect TABs on the power circuit board (JT-30P3H/JT-30P3). (If they are connected incorrectly, the motor turns in the reverse direction.)
	Malfunction of the power circuit board (JT-30P3H/JT-30P3)	If no error is found after checking the above, replace the power circuit board (JT-30P3H/JT-30P3).

11. How to call

Symptom	Remedy
Air blow is too weak to dry hands quickly.	① Check if the filter is clogged. ② Isn't the air speed switch set at the STANDARD position? (Applicable models: JT-SB216JSH-W/H/S-E)
Water leaks from the product.	① Check if the drain tank is filled up. (Empty the drain tank.) *Note: Since the main unit may get flooded with water if the product operates with the drain tank is full, drain water will flow over when it is filled up beyond its capacity. ② Is the drain tank installed properly?
Air does not blow immediately after turning on the power switch and inserting hands.	Initial setting takes 1.5 seconds after turning on the power switch. Operation is disabled in the meantime.
Warm air does not blow. (JT-SB216JSH-W/H/S-E)	Is the heater switch turned ON?
The product has an abnormal odor.	① Check if the drain tank is filled up. (Empty the drain tank.) ② Check the inside of the drain tank for any foreign matter. (Remove it.) ③ Is the inside of the side cover cleaned up?

12. Service inspection list

Location	Inspection Item	Check Result
Electric wiring	Are lead wire connectors connected securely?	
	Is the wiring correct?	
Operation	Does it operate properly? Isn't there any abnormal noise, vibration, etc?	
Heater (JT-SB216JSH-W/H/S-E)	Is warm air blown?	
Lamps	Do the lamps, the power lamp (LED1), the heater lamp (LED2) (JT-SB216JSH-W/H/S only, with the heater switch ON), and blue illumination lamps (LED10, 11), turn on?	
Wall installation	Isn't there clearance between the product and the back wall?	

13. Overhauling procedures

■ Work precautions

- Before replacing parts, follow the instructions described in the troubleshooting.
 - When servicing, always take care to keep proper footing.
 - Before starting the service, always unplug the power cord from the outlet, or turn off the earth leakage breaker when no power cord plug is provided. Sufficient care must be taken to avoid electric shock or injury.
 - Make sure to connect the power supply wires correctly.
 - After completing repairs, check that the unit operates properly.
- * Always wear gloves when servicing.

(1) Turn off the power supply.

- ① Stop the operation.
- ② Turn off the earth leakage breaker on the distribution board.

(2) Light receiving circuit board (JT-30S1)

- ① Unscrew the clamping screws, and remove the maintenance cover.
(Two special screws 4 x 16, indicated by ○)



Assembly precaution

Insert the maintenance cover into the groove of the base. (Indicated by ○)



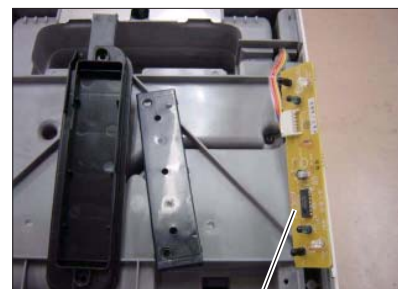
- ② Remove the sensor fix plate (upper).

Assembly precautions

- Run the lead wires through the groove of the maintenance cover. (Indicated by ○)
- Take care not to pinch the lead wires.



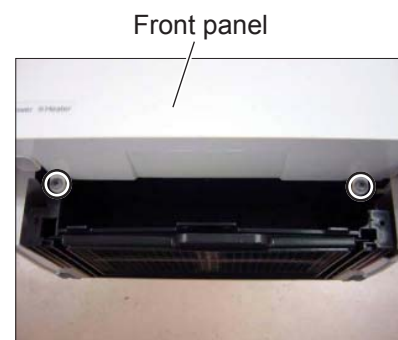
- ③ Remove the light receiving circuit board (JT-30S1).



Light receiving circuit board (JT-30S1)

(3) Control circuit board (JT-30M3/JT-30M2)

- ① Draw out the drain tank.
- ② Unscrew the clamping screws, and remove the front panel.
(Two special screws 4×16, indicated by ○)



- ③ Unscrew the clamping screw, and remove the cover (micon).
(One special screw 4×16, indicated by ○)



- ④ Disconnect the lead wires from the control circuit board (JT-30M3/JT-30M2).
- ⑤ Unscrew the clamping screw, and remove the control circuit board (JT-30M3/JT-30M2).
(One special screw 4×12, indicated by ○)

Assembly precaution
Take care not to pinch the lead wires.



Control circuit board
(JT-30M3/JT-30M2)

(4) Sensor circuit board (middle) (JT-30S2)

- ① Remove the front panel. → See (3) ① to ②.
- ② Unscrew the clamping screws.
(Two PTT screws 4×16, indicated by ○)
- ③ Unscrew the clamping screws, and remove the sensor fix pieces (middle).
(Two special screws 4×12, indicated by △)

Assembly precaution
Take care not to pinch the lead wires.

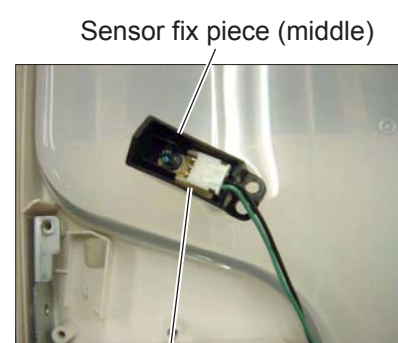


Sensor fix piece (middle)

- ④ Remove the sensor circuit boards (middle) (JT-30S2). (Two locations)

Assembly precautions

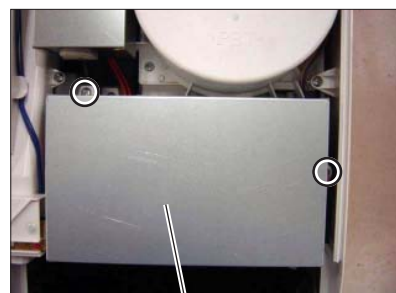
- Insert the sensor circuit board (middle) between the claws of the sensor fix piece (middle).
- Take care not to pinch the lead wires.
- After installing the circuit board, make sure that the LED is upright.



Sensor circuit board (middle)
(JT-30S2)

(5) Power circuit board (JT-30P3H/JT-30P3)

- ① Remove the front panel. → See (3) ① to ②.
- ② Unscrew the clamping screws, and remove the board cover (power).
(Two PTT screws 4×16, indicated by ○)



Board cover (power)

- ③ Disconnect the lead wires from the power circuit board (JT-30P3H/JT-30P3), and remove the power circuit board.

Assembly precautions

- Take care not to pinch the lead wires.
- Connect the lead wires as printed on the power circuit board.



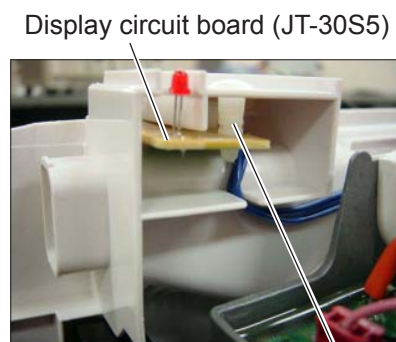
Power circuit board
(JT-30P3H/JT-30P3)

(6) Display circuit board (JT-30S5)

- ① Remove the board cover (power). → See (5) ① to ②.
- ② Remove the display circuit board (JT-30S5) from the spacer.

Assembly precaution

After installing the circuit board, make sure that all LEDs are upright.



Spacer

(7) Filter circuit board (JT-30F3)

- ① Disconnect the lead wires for the filter circuit board (orange) (TAB1 and TAB2) from the power circuit board (JT-30P3H/JT-30P3).
→ See (5) ① to ③.
- ② Unscrew the side panel (left) clamping screw.
(One PTT screw 4×16, indicated by ○)



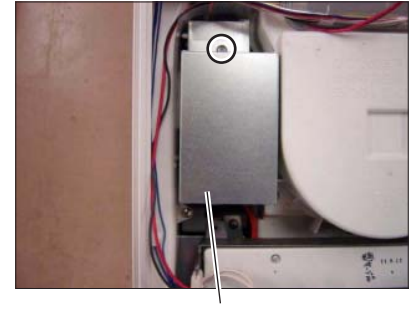
Filter circuit board lead wires (orange)

- ③ Disconnect the lead wires for the display circuit board (blue) (CN18) from the control circuit board (JT-30M3/JT-30M2).
→ See (3) ③ to ④.



Display circuit board lead wires (blue)

- ④ Unscrew the clamping screw, and remove the terminal block cover.
(One PTT screw 4×16, indicated by ○)

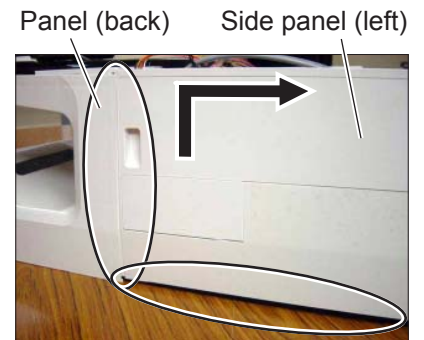


Terminal block cover

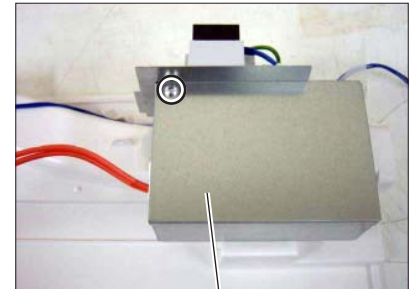
- ⑤ Remove the side panel (left) in the direction of the arrow.

Assembly precautions

- Fit the side panel (left) into the groove of the panel (back) and the base. (Indicated by ○)
- Carry out wiring after screwing the side panel (left).

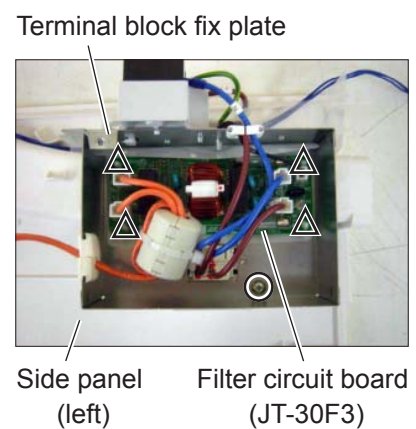


- ⑥ Unscrew the clamping screw, and remove the board cover (filter).
(One PTT screw 4×6, indicated by ○)



Board cover (filter)

- ⑦ Unscrew the clamping screw, and remove the terminal block fix plate from the side panel (left).
(One PTT screw 4×16, indicated by ○)
- ⑧ Disconnect the lead wires from the filter circuit board (JT-30F3).
- ⑨ Remove the spacers (four locations, indicated by △), and then remove the filter circuit board (JT-30F3).
(Pinch the spacers from the back for easier removal.)



Side panel (left)

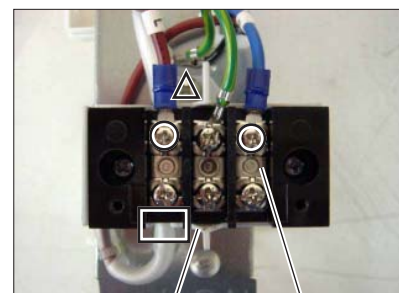
Filter circuit board (JT-30F3)

(8) Switch (assembly) (with a thermal fuse)

- ① Remove the terminal block fix plate from the side panel (left).
→ See (7) ① to ⑦.
- ② Remove the power switch lead wires (brown and blue) from the terminal block. (Indicated by ○)
- ③ Unscrew the clamping screw, and remove the terminal block. (One PTT screw 4×6, indicated by △)

Assembly precautions

- Take care not to pinch the lead wires.
- Hook the claw of the terminal block fix holder to the terminal block fix plate. (Indicated by □)

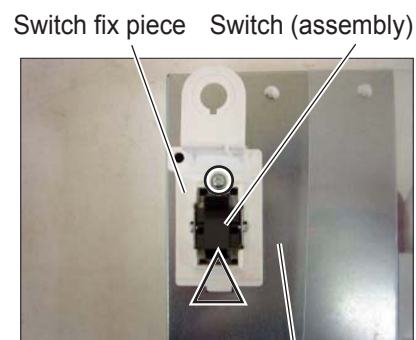


Terminal block
fix holder Terminal block
fix plate

- ④ Unscrew the clamping screw, and remove the switch fix piece and the switch (assembly). (One PPT screw 3×8, indicated by ○)

Assembly precaution

- Hook the claw of the switch fix piece to the terminal block fix plate. (Indicated by △)



Switch fix piece Switch (assembly)
Terminal block fix plate

For JT-SB216JSH-W/H/S-E

(9) Heater (PTC)

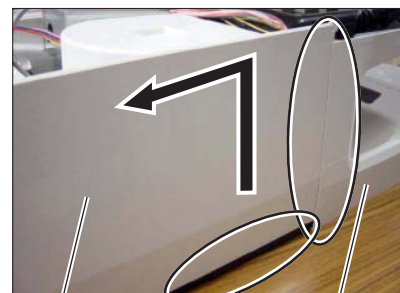
- ① Remove the side panel (left). → See (7) ① to ⑤.
- ② Unscrew the side panel (right) clamping screw. (One PTT screw 4×16, indicated by ○)



- ③ Remove the side panel (right) in the direction of the arrow.

Assembly precaution

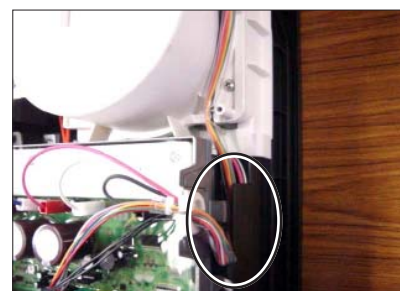
- Fit the side panel (right) into the groove of the panel (back) and the base. (Indicated by ○)



Side panel (right) Panel (back)

Assembly precaution

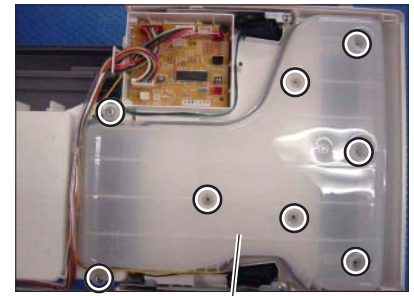
- Run the lead wires through the groove of the base. (Indicated by ○)



- ④ Unscrew the clamping screws, and remove the exhaust duct.
(Eight PTT screws 4×16, indicated by ○)

Assembly precautions

- Replace the packing used in the disassembled section with a new one.
- Take care not to twist the packing when installing it.



Exhaust duct

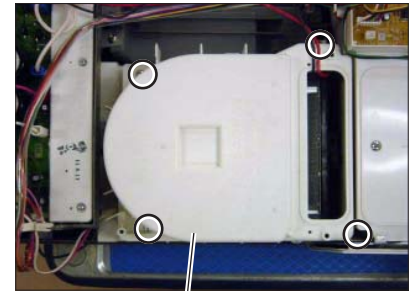
- ⑤ Unscrew the clamping screws, and remove the blower cover.
(Four PTT screws 4×16, indicated by ○)

Precaution

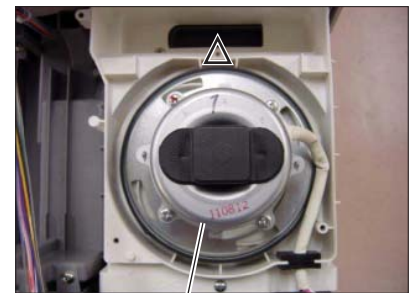
- Since the blower (assembly) may drop off the blower case, remove the lead wires first, and then slowly remove the blower cover.

Assembly precautions

- Replace the packing used in the disassembled section with a new one.
- Take care not to twist the packing when installing it.
- When replacing the heater, attach the included fixing piece to the position, indicated by △, with a screw (one PTT screw 4×16) to prevent the blower from dropping off.



Blower cover

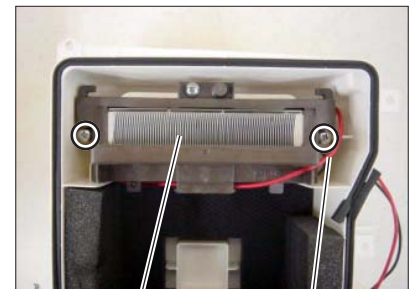


Blower (assembly)

- ⑥ Unscrew the clamping screws, and remove the heater (PTC).
(Two PTT screws 4×16, indicated by ○)

Assembly precaution

When installing the heater, set the heater as the lead wire comes out from the right side.

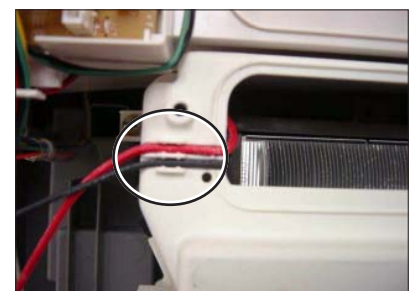


Heater (PTC)

Lead wire

Assembly precautions

- Run the lead wires through the groove of the blower cover. (Indicated by ○)
- Take care not to pinch the lead wires.



(10) Blower (assembly)

- ① Remove the blower cover. → See (9) ① to ⑤.

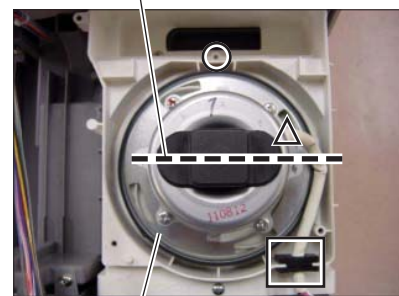
Precaution

- Since the blower (assembly) may drop off the blower case, remove the lead wires first, and then slowly remove the blower cover.

Assembly precautions

- When replacing the blower (assembly), attach the included fixing piece to the position, indicated by ○, with a screw (one PTT screw 4×16).
- Set the blower (assembly) as the lead wire outlet comes to the position indicated by △.
- The part of the lead wires covered by the white code tube must pass through the code bush. (Indicated by □)

Set the blower horizontally.

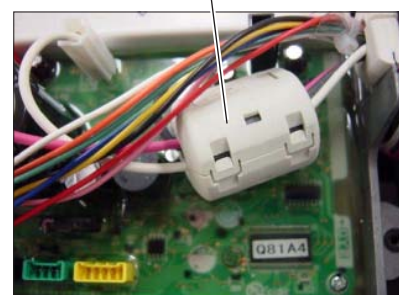


Blower (assembly)

- ② Remove the blower (assembly).

- ③ Remove the ferrite core from the blower lead wires.

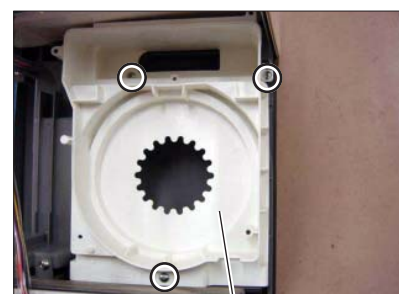
Ferrite core



(11) Sensor circuit board (lower) (JT-30S3)

- ① Remove the blower (assembly). → See (10) ① to ②.

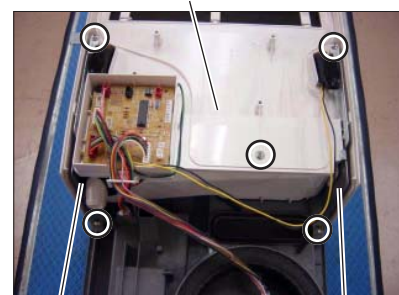
- ② Unscrew the clamping screws, and remove the blower case.
(Three PTT screws 4×16, indicated by ○)



Blower case

- ③ Unscrew the panel (front) and panel holder clamping screws, and remove the panel holders (left and right).
(Five PTT screws 4×16, indicated by ○)

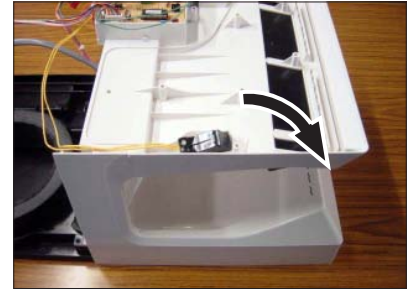
Panel (front)



Panel holder
(left)

Panel holder
(right)

- ④ Tilt the panel (front) in the direction of the arrow, and remove it.



- ⑤ Remove the sensor fix holder (lower).

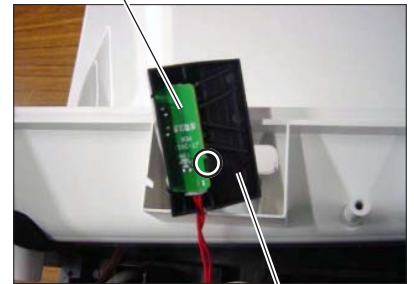
Assembly precaution
Take care not to pinch the lead wires.



Sensor fix holder (lower)

- ⑥ Unhook the claw of the sensor fix holder (lower) (one location, indicated by ○), and remove the sensor circuit board (lower) (JT-30S3).

Sensor circuit board (lower)



Sensor fix holder (lower)
(JT-30S3)

* When reassembling

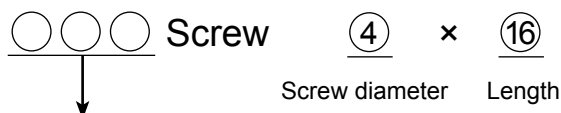
- Reassemble the unit in the reverse order of disassembly.
- After reassembly, always make a test run to be sure that the unit operates properly.

14. Parts catalog

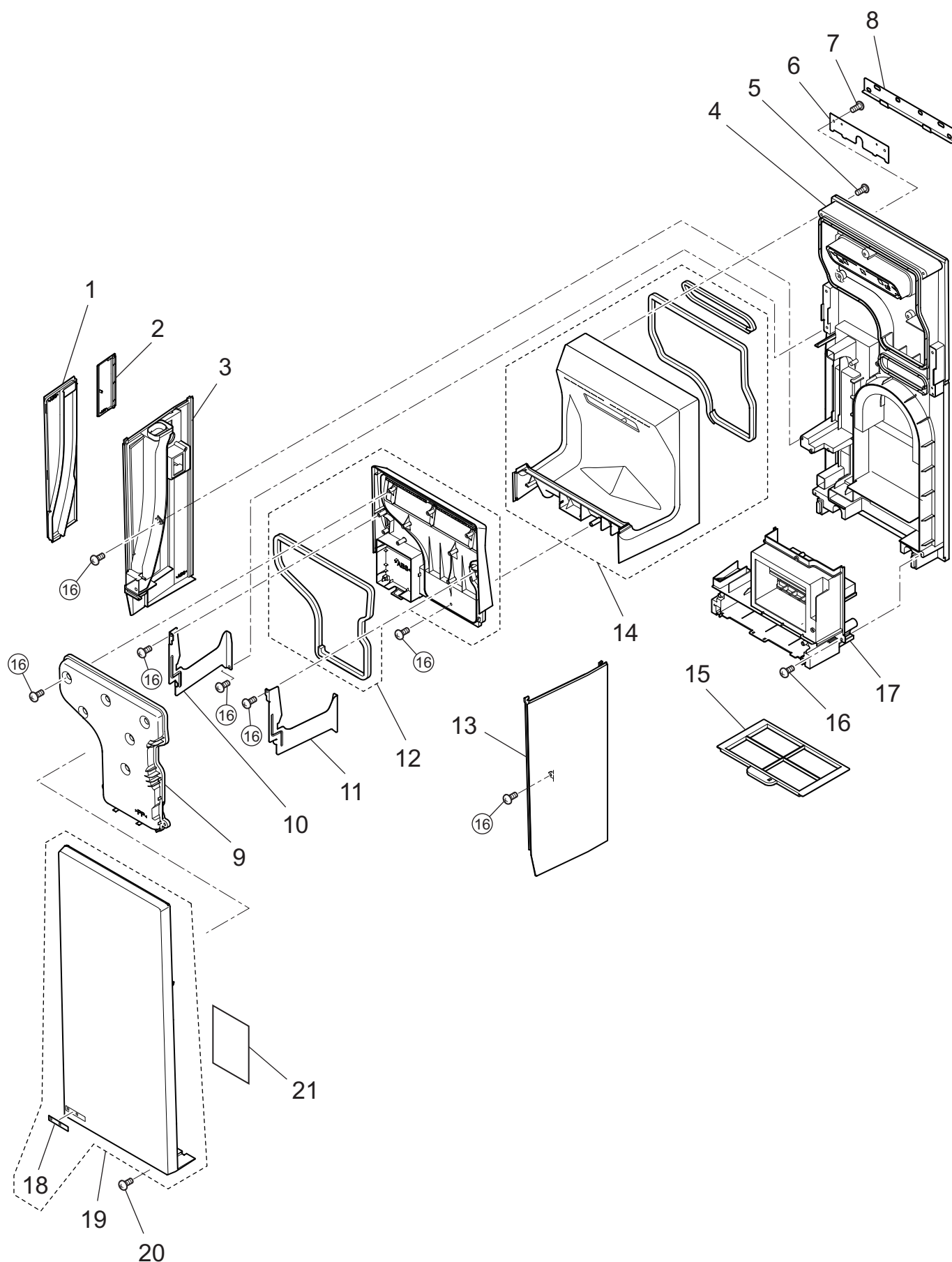
Please note the following when using the parts catalog.

1. When ordering parts, always indicate the part number, part name, and the number of parts required.
2. Parts are not always available, and it may take time for you to receive them.
3. There may be specification improvements.
4. Parts marked \triangle are critical for safety. To maintain safety and performance, always replace these parts with the parts prescribed.
5. The numbers that are circled in the exploded view are the same as the reference number for the part being indicated.

Description of screw abbreviations

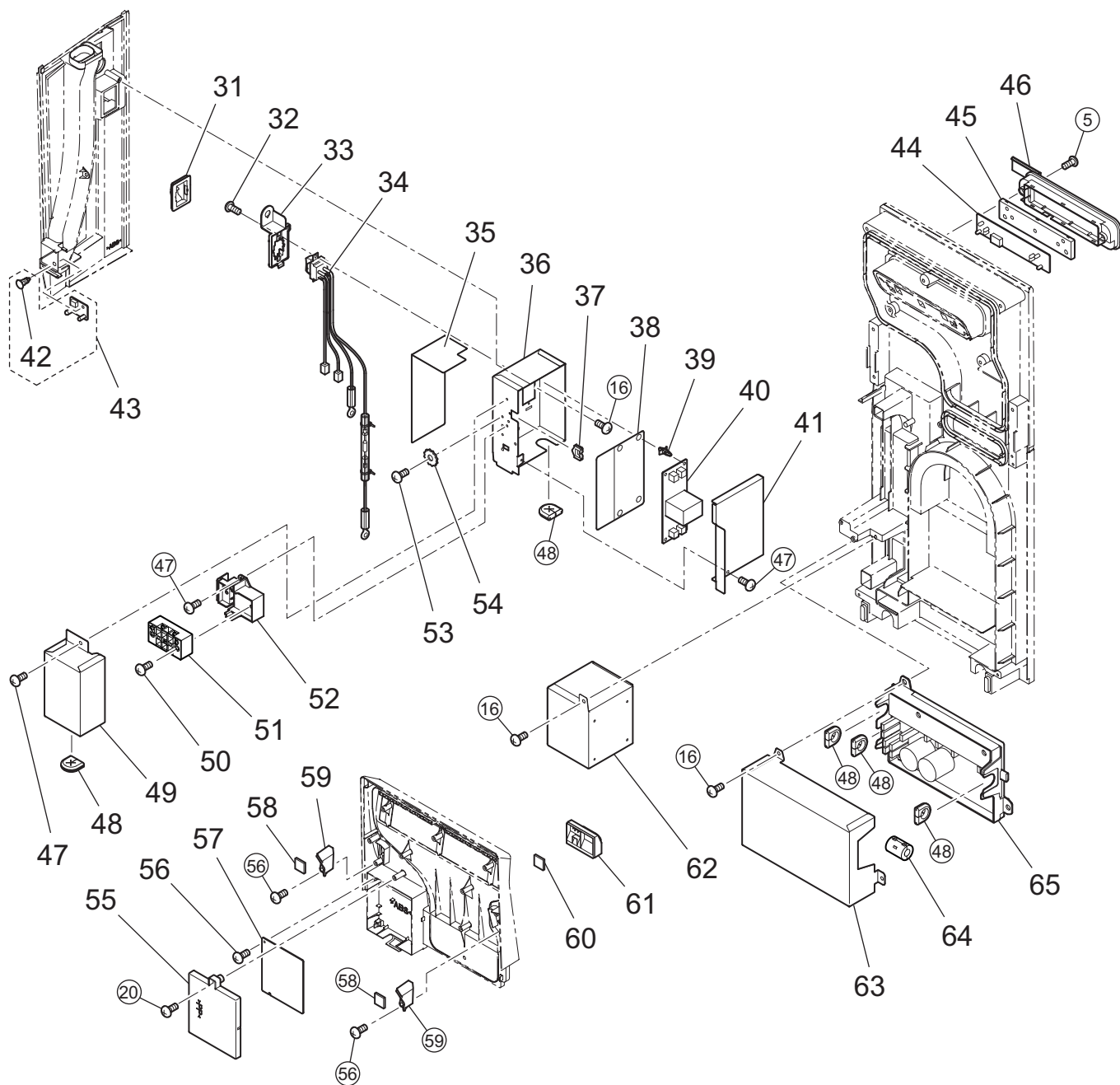


Abbreviation	Description
PC screw	Cross recess flat head machine screw
PRC screw	Cross recess oval head machine screw
PP screw	Cross recess pan head machine screw
SW · PP screw	Cross recess pan head screw with spring washer
PPT screw	Cross recess tapping screw
PCT screw	Cross recess flat head tapping screw
PTT screw	Cross recess truss head tapping screw
PT screw	Cross recess truss head machine screw
SET screw	Slotted head stop screw
SQ · SET screw	Square head stop screw
P · SET screw	Pan head stop screw
PMT screw	Primer truss head screw
HS · SET screw	Hexagon head stop screw
P · R · W screw	Cross recess round wood screw
P · C · W screw	Cross recess flat head wood screw
P · R · C · W screw	Cross recess round and flat wood screw
R · W screw	Slotted round wood screw
PW · PP screw	Cross recess pan head screw with small washer
SW-PW · PP screw	Cross recess pan head machine screw with spring washer and flat washer



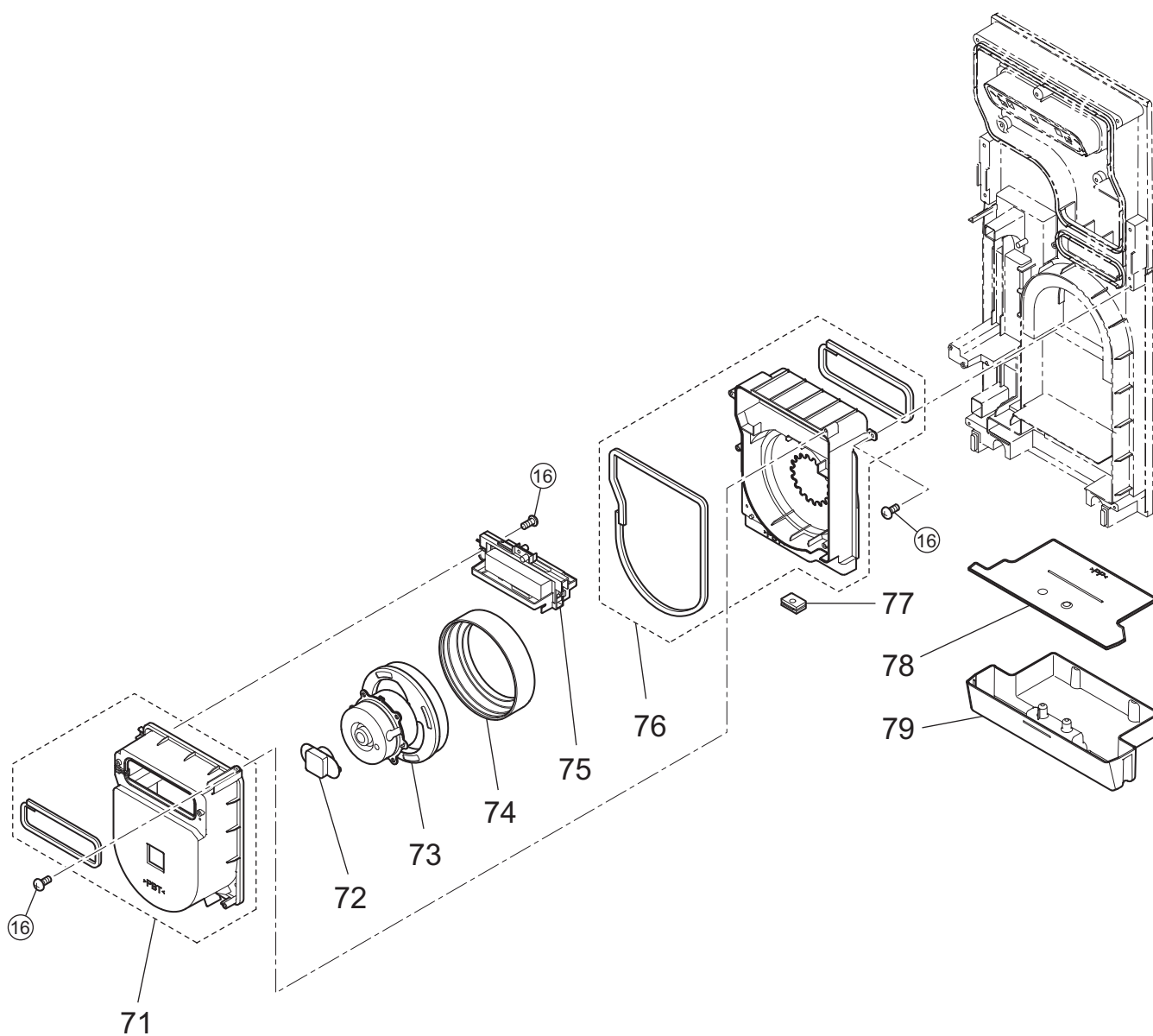
Model JT-SB216JSH-W-E

No.	Parts No.	Name of part	Q'ty pcs/unit	Critical Remarks for safety	Price
1.	M45 684 817	Side cover	1	White	
2.	Y45 622 807	Switch door	1	White	
3.	Y45 622 806	Side panel (left)	1	White	
4.	Y45 622 805	Base	1		
5.	D41 233 018	Special screw 4×16	13		
6.	M45 684 805	Hook (upper)	1		
7.	M45 632 047	Special screw 4×16	2		
8.	M45 684 802	Fix plate	1		
9.	Y45 622 802	Exhaust duct	1		
10.	M45 684 824	Panel holder (left)	1		
11.	M45 684 825	Panel holder (right)	1		
12.	M45 684 803	Panel (front)	1	White	
13.	M45 684 832	Side panel (right)	1	White	
14.	Y45 622 801	Panel (back)	1	White	
15.	M45 665 806	Filter	1	▲	
16.	H00 163 007	PTT screw 4×16	31		
17.	M45 684 804	Cover	1		
18.	Y45 623 809	Decoration plate	1		
19.	Y45 623 800	Front panel	1	White	
20.	M45 632 045	Special screw 4×16	3		
21.	Y45 623 358	Wiring diagram	1		



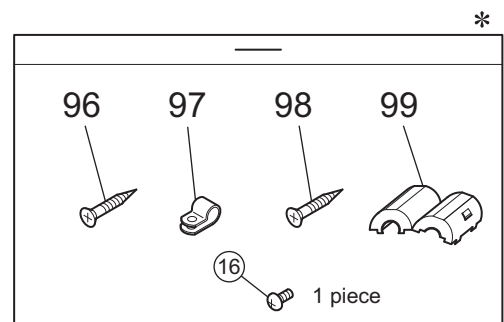
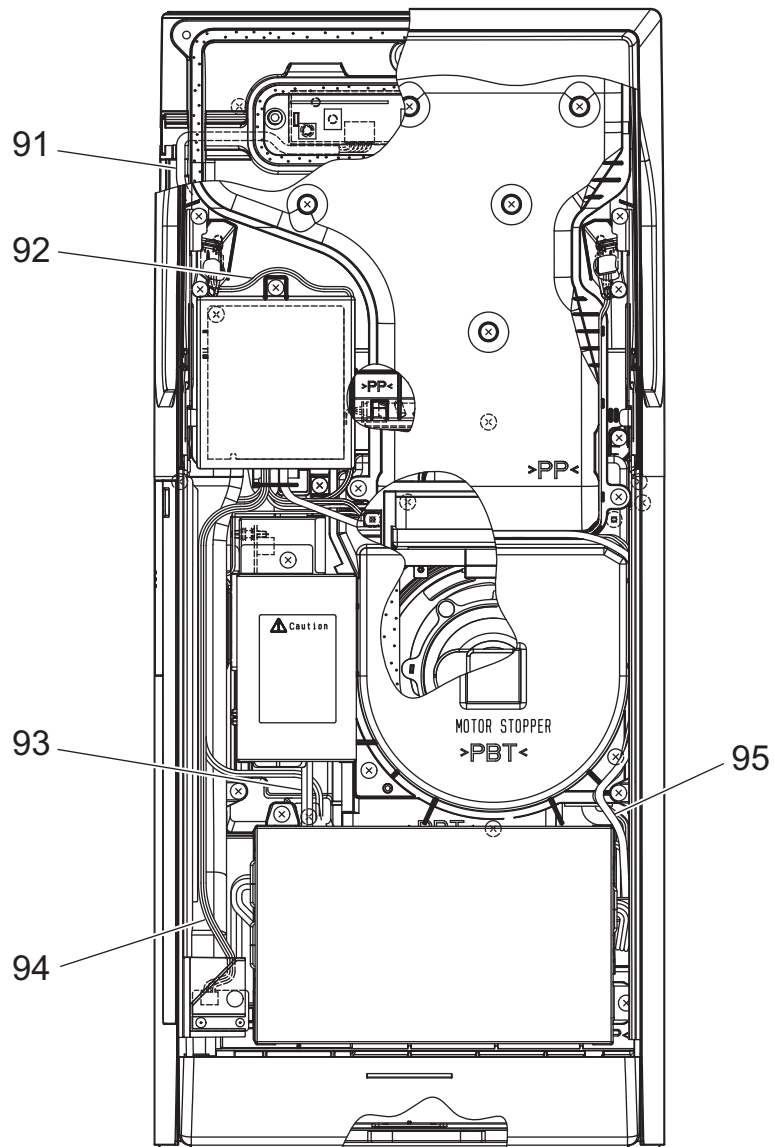
Model JT-SB216JSH-W-E

No.	Parts No.	Name of part	Q'ty pcs/unit	Critical Remarks for safety	Price
31.	M45 679 228	Switch cover	1		
32.	H00 003 005	PPT screw 3×8	1		
33.	M45 684 820	Switch fix piece	1		
34.	Y45 622 220	Switch (assy)	1	⚠ With a fuse	
35.	M45 684 823	Insulation sheet	1	⚠	
36.	Y45 622 804	Terminal block fix plate	1		
37.	M45 640 226	Cord bush	1		
38.	M45 684 821	Insulation sheet	1	⚠	
39.	M35 717 095	Spacer	4		
40.	Y45 622 173	Circuit board	1	⚠ JT-30F3	
41.	M45 684 822	Board cover (filter)	1		
42.	M45 606 095	Spacer	1		
43.	M45 684 176	Circuit board	1	⚠ JT-30S5	
44.	M45 684 172	Circuit board	1	⚠ JT-30S1	
45.	M45 684 831	Sensor fix plate (upper)	1		
46.	M45 684 828	Maintenance cover	1		
47.	H00 312 007	PTT screw 4×6	3		
48.	M45 649 226	Cord bush	5		
49.	M45 684 826	Terminal block cover	1		
50.	H00 141 005	PPT screw 4×20	2		
51.	K81 432 236	Terminal block	1	⚠ 3P ML-20	
52.	Y45 622 808	Terminal block fix holder	1		
53.	H00 011 008	PT screw 4×8 (BS)	2		
54.	H00 013 076	Lock washer (4)	2		
55.	M45 684 834	Cover (micon)	1		
56.	M34 869 018	Special screw 4×12	3		
57.	Y45 623 172	Circuit board	1	⚠ JT-30M3	
58.	M45 684 173	Circuit board (middle)	2	⚠ JT-30S2	
59.	M45 684 829	Sensor fix piece (middle)	2		
60.	M45 684 174	Circuit board (lower)	1	⚠ JT-30S3	
61.	M45 684 830	Sensor fix holder (lower)	1		
62.	Y45 622 803	Reactor (assy)	1	⚠	
63.	M45 684 827	Board cover (power)	1		
64.	Y45 622 180	Ferrite core	1		
65.	Y45 623 171	Circuit board	1	⚠ JT-30P3H	



Model JT-SB216JSH-W-E

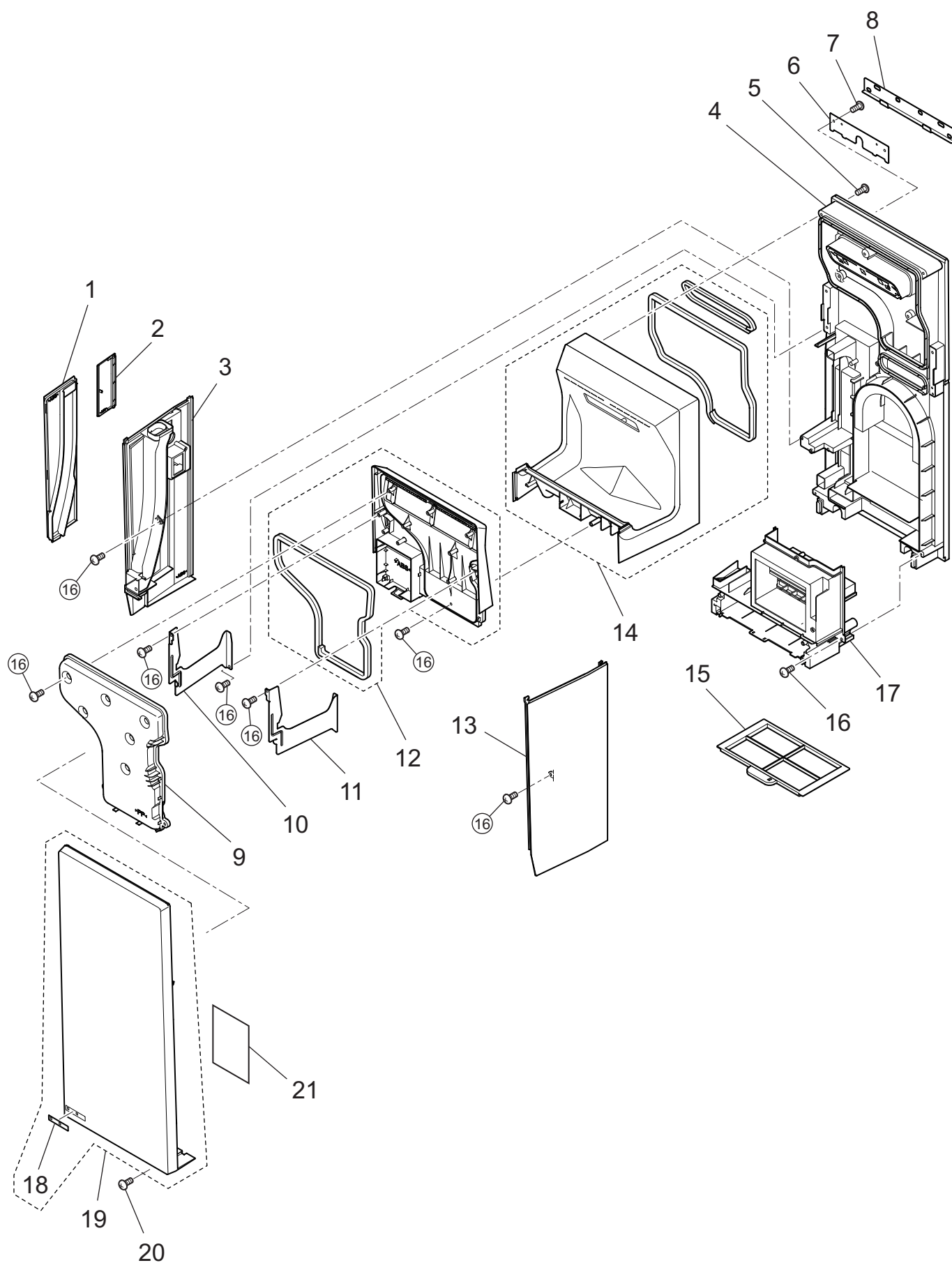
No.	Parts No.	Name of part	Q'ty pcs/unit	Critical Remarks for safety	Price
71.	M45 684 811	Blower cover	1		
72.	M45 673 227	Blower stopper	1		
73.	Y45 622 400	Blower (assy)	1	▲	
74.	M45 664 227	Floating rubber	1		
75.	Y45 623 801	Heater (PTC)	1	▲ With a fuse	
76.	M45 684 833	Blower case	1		
77.	M45 684 225	Cord bush	1		
78.	M45 684 814	Tank cover	1		
79.	M45 684 813	Drain tank	1		



* shows accessory parts.

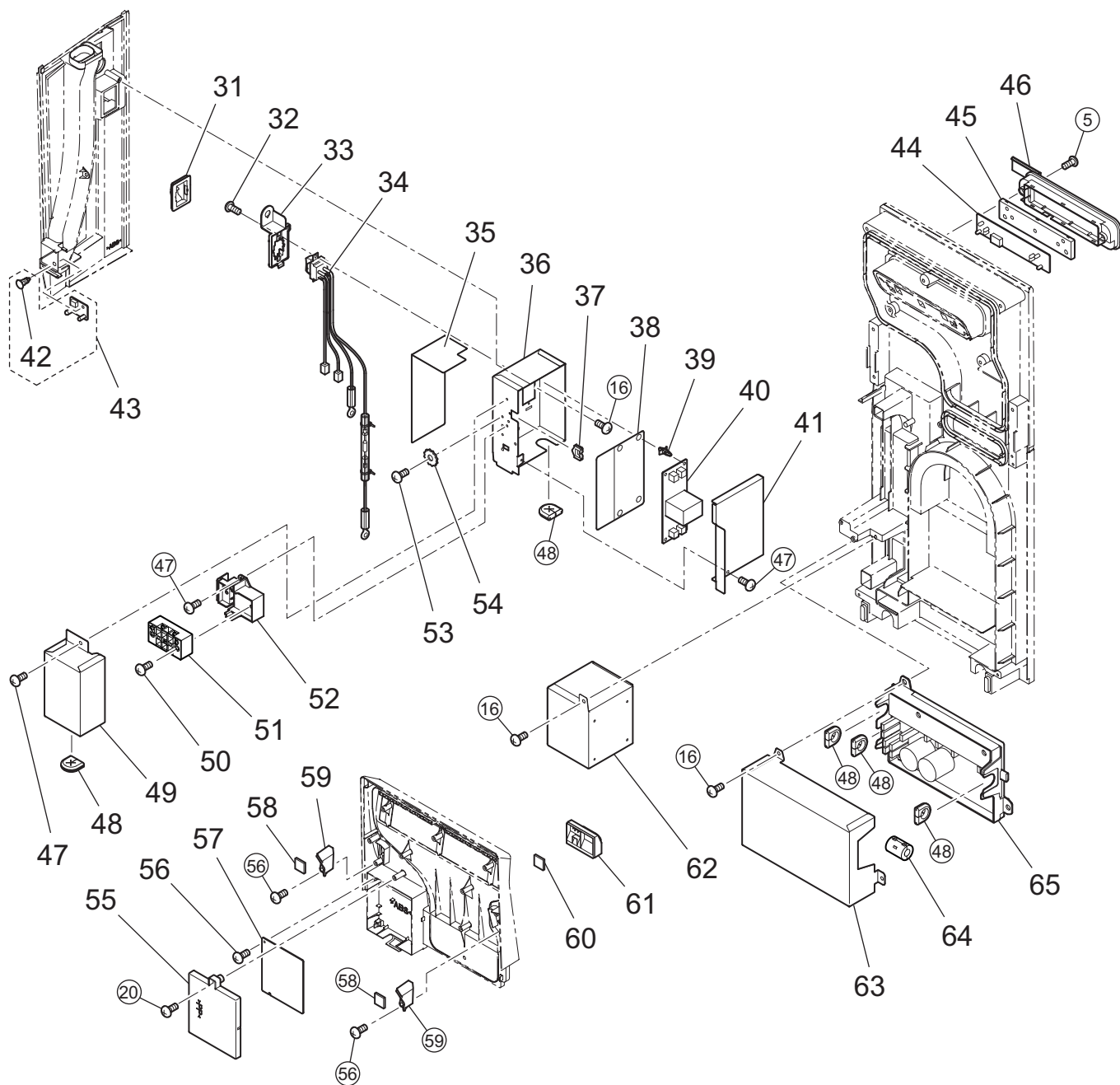
Model JT-SB216JSH-W-E

No.	Parts No.	Name of part	Q'ty pcs/unit	Critical Remarks for safety	Price
91.	M45 684 221	Lead wire	1	▲ CN8-CN11	
92.	M45 684 220	Lead wire	1	▲ CN7-CN12, 15	
93.	Y45 622 219	Lead wire	1	▲ With a ferrite core	
94.	M45 684 223	Lead wire	1	▲ CN18-CN19	
95.	Y45 623 219	Lead wire	1	▲ CN2-CN5	
96.	M45 636 018	Special screw 5×30	6		
97.	D40 134 227	Cord clip	1		
98.	M45 693 017	Special screw 4×12	1		
99.	Y45 622 179	Ferrite core	1		



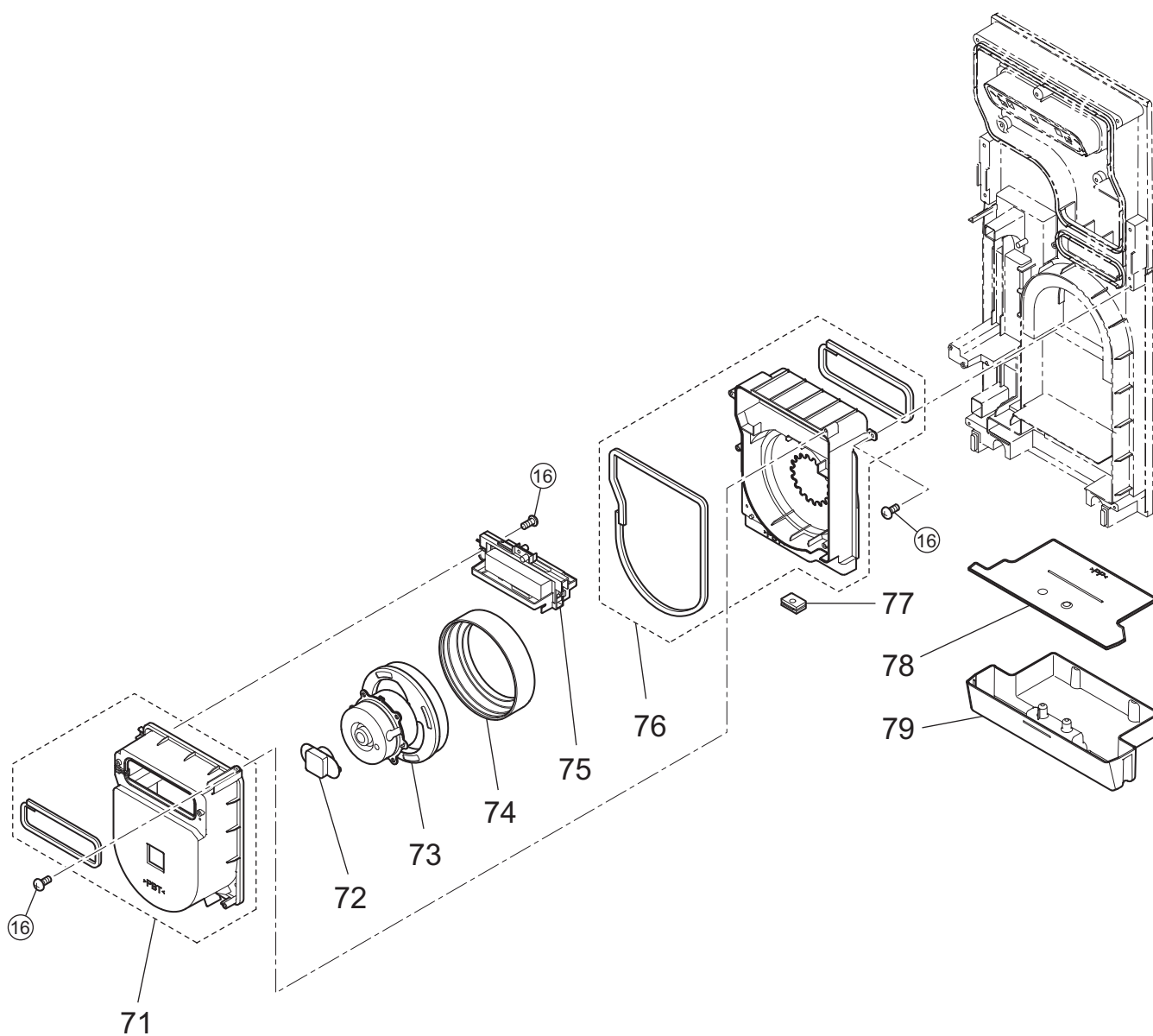
Model JT-SB216JSH-H-E

No.	Parts No.	Name of part	Q'ty pcs/unit	Critical Remarks for safety	Price
1.	M45 684 841	Side cover	1	Gray	
2.	Y45 623 807	Switch door	1	Gray	
3.	Y45 623 806	Side panel (left)	1	Gray	
4.	Y45 622 805	Base	1		
5.	D41 233 018	Special screw 4×16	13		
6.	M45 684 805	Hook (upper)	1		
7.	M45 632 047	Special screw 4×16	2		
8.	M45 684 802	Fix plate	1		
9.	Y45 622 802	Exhaust duct	1		
10.	M45 684 824	Panel holder (left)	1		
11.	M45 684 825	Panel holder (right)	1		
12.	M45 684 838	Panel (front)	1	Gray	
13.	M45 684 843	Side panel (right)	1	Gray	
14.	Y45 623 803	Panel (back)	1	Gray	
15.	M45 665 806	Filter	1	▲	
16.	H00 163 007	PTT screw 4×16	31		
17.	M45 684 804	Cover	1		
18.	Y45 623 809	Decoration plate	1		
19.	Y45 623 802	Front panel	1	Gray	
20.	M45 632 045	Special screw 4×16	3		
21.	Y45 623 358	Wiring diagram	1		



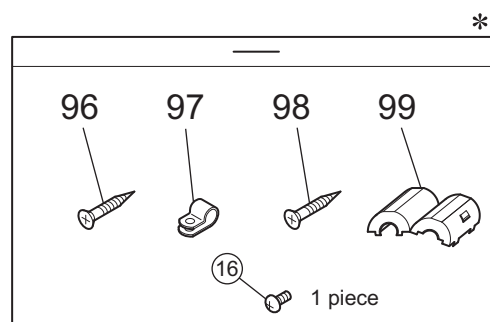
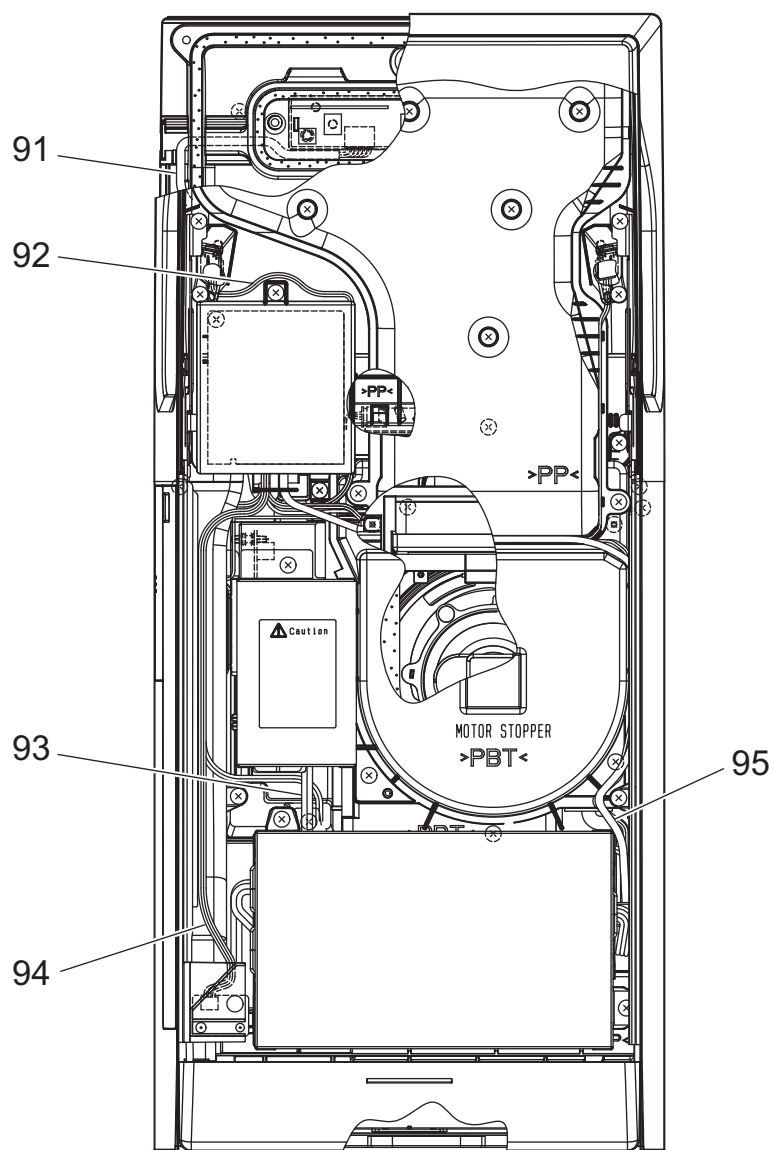
Model JT-SB216JSH-H-E

No.	Parts No.	Name of part	Q'ty pcs/unit	Critical Remarks for safety	Price
31.	M45 679 228	Switch cover	1		
32.	H00 003 005	PPT screw 3×8	1		
33.	M45 684 820	Switch fix piece	1		
34.	Y45 622 220	Switch (assy)	1	⚠ With a fuse	
35.	M45 684 823	Insulation sheet	1	⚠	
36.	Y45 622 804	Terminal block fix plate	1		
37.	M45 640 226	Cord bush	1		
38.	M45 684 821	Insulation sheet	1	⚠	
39.	M35 717 095	Spacer	4		
40.	Y45 622 173	Circuit board	1	⚠ JT-30F3	
41.	M45 684 822	Board cover (filter)	1		
42.	M45 606 095	Spacer	1		
43.	M45 684 176	Circuit board	1	⚠ JT-30S5	
44.	M45 684 172	Circuit board	1	⚠ JT-30S1	
45.	M45 684 831	Sensor fix plate (upper)	1		
46.	M45 684 828	Maintenance cover	1		
47.	H00 312 007	PTT screw 4×6	3		
48.	M45 649 226	Cord bush	5		
49.	M45 684 826	Terminal block cover	1		
50.	H00 141 005	PPT screw 4×20	2		
51.	K81 432 236	Terminal block	1	⚠ 3P ML-20	
52.	Y45 622 808	Terminal block fix holder	1		
53.	H00 011 008	PT screw 4×8 (BS)	2		
54.	H00 013 076	Lock washer (4)	2		
55.	M45 684 834	Cover (micon)	1		
56.	M34 869 018	Special screw 4×12	3		
57.	Y45 623 172	Circuit board	1	⚠ JT-30M3	
58.	M45 684 173	Circuit board (middle)	2	⚠ JT-30S2	
59.	M45 684 829	Sensor fix piece (middle)	2		
60.	M45 684 174	Circuit board (lower)	1	⚠ JT-30S3	
61.	M45 684 830	Sensor fix holder (lower)	1		
62.	Y45 622 803	Reactor (assy)	1	⚠	
63.	M45 684 827	Board cover (power)	1		
64.	Y45 622 180	Ferrite core	1		
65.	Y45 623 171	Circuit board	1	⚠ JT-30P3H	



Model JT-SB216JSH-H-E

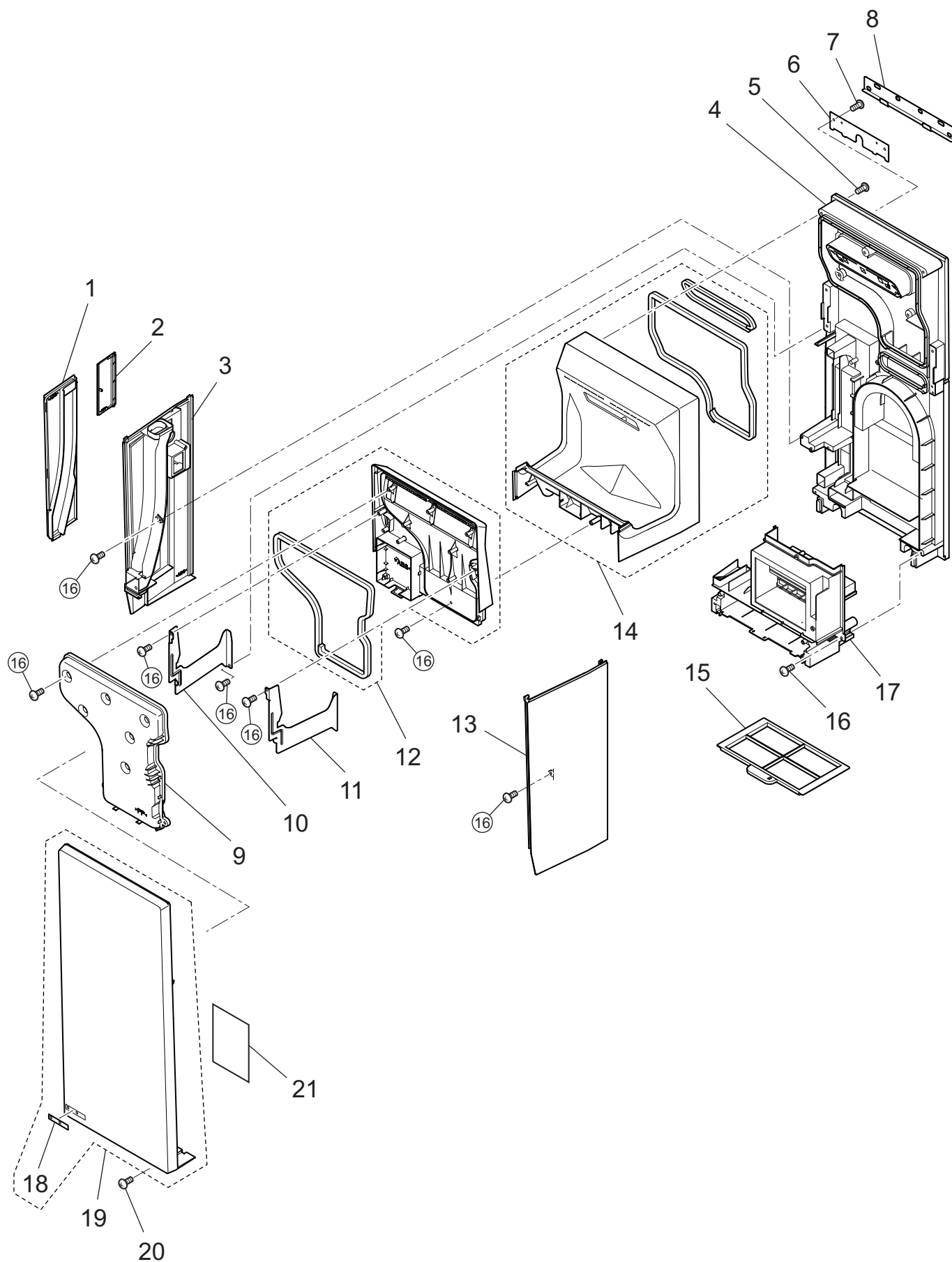
No.	Parts No.	Name of part	Q'ty pcs/unit	Critical Remarks for safety	Price
71.	M45 684 811	Blower cover	1		
72.	M45 673 227	Blower stopper	1		
73.	Y45 622 400	Blower (assy)	1	▲	
74.	M45 664 227	Floating rubber	1		
75.	Y45 623 801	Heater (PTC)	1	▲	With a fuse
76.	M45 684 833	Blower case	1		
77.	M45 684 225	Cord bush	1		
78.	M45 684 814	Tank cover	1		
79.	M45 684 839	Drain tank	1		



* shows accessory parts.

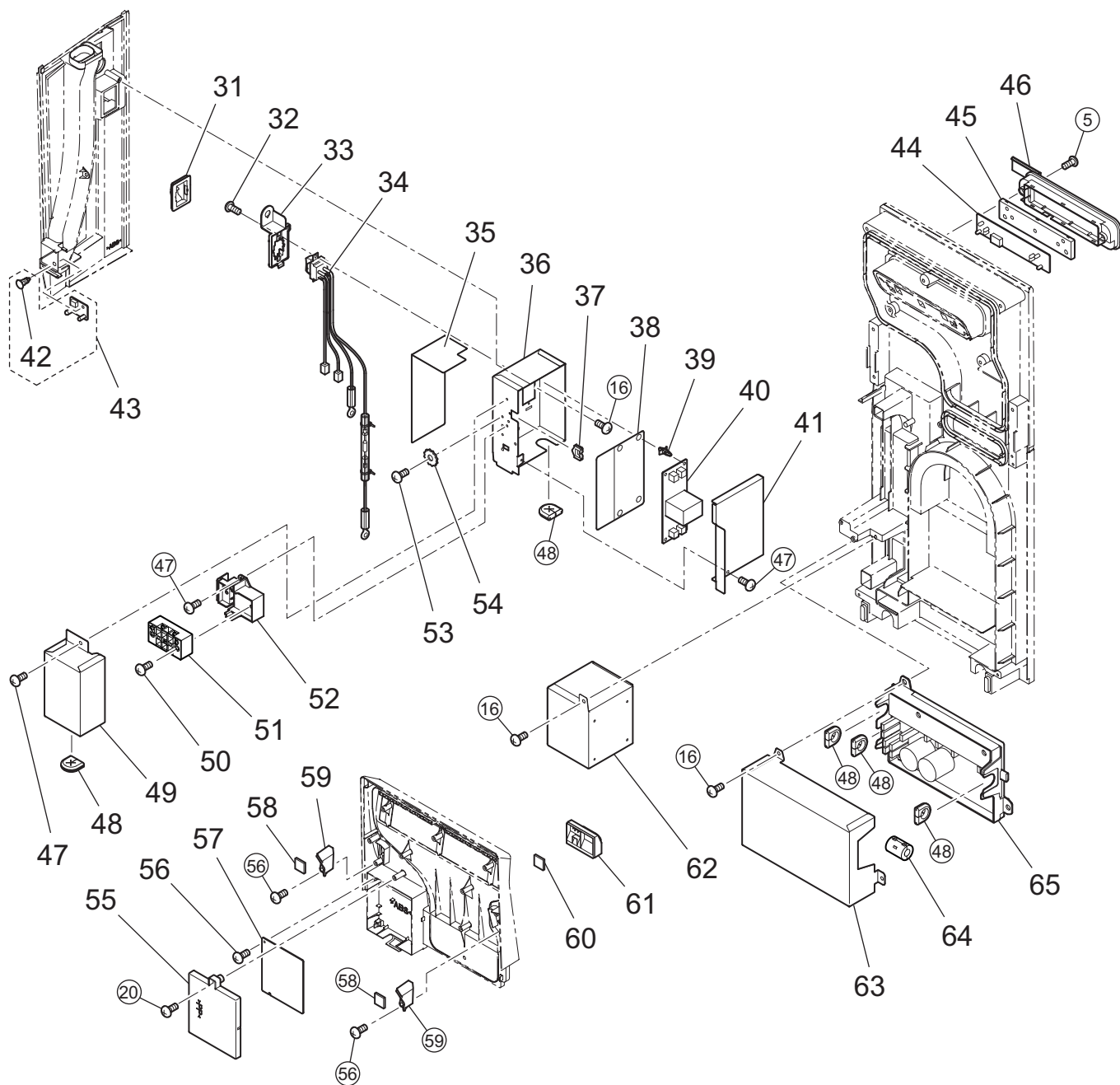
Model JT-SB216JSH-H-E

No.	Parts No.	Name of part	Q'ty pcs/unit	Critical Remarks for safety	Price
91.	M45 684 221	Lead wire	1	▲ CN8-CN11	
92.	M45 684 220	Lead wire	1	▲ CN7-CN12, 15	
93.	Y45 622 219	Lead wire	1	▲ With a ferrite core	
94.	M45 684 223	Lead wire	1	▲ CN18-CN19	
95.	Y45 623 219	Lead wire	1	▲ CN2-CN5	
96.	M45 636 018	Special screw 5×30	6		
97.	D40 134 227	Cord clip	1		
98.	M45 693 017	Special screw 4×12	1		
99.	Y45 622 179	Ferrite core	1		



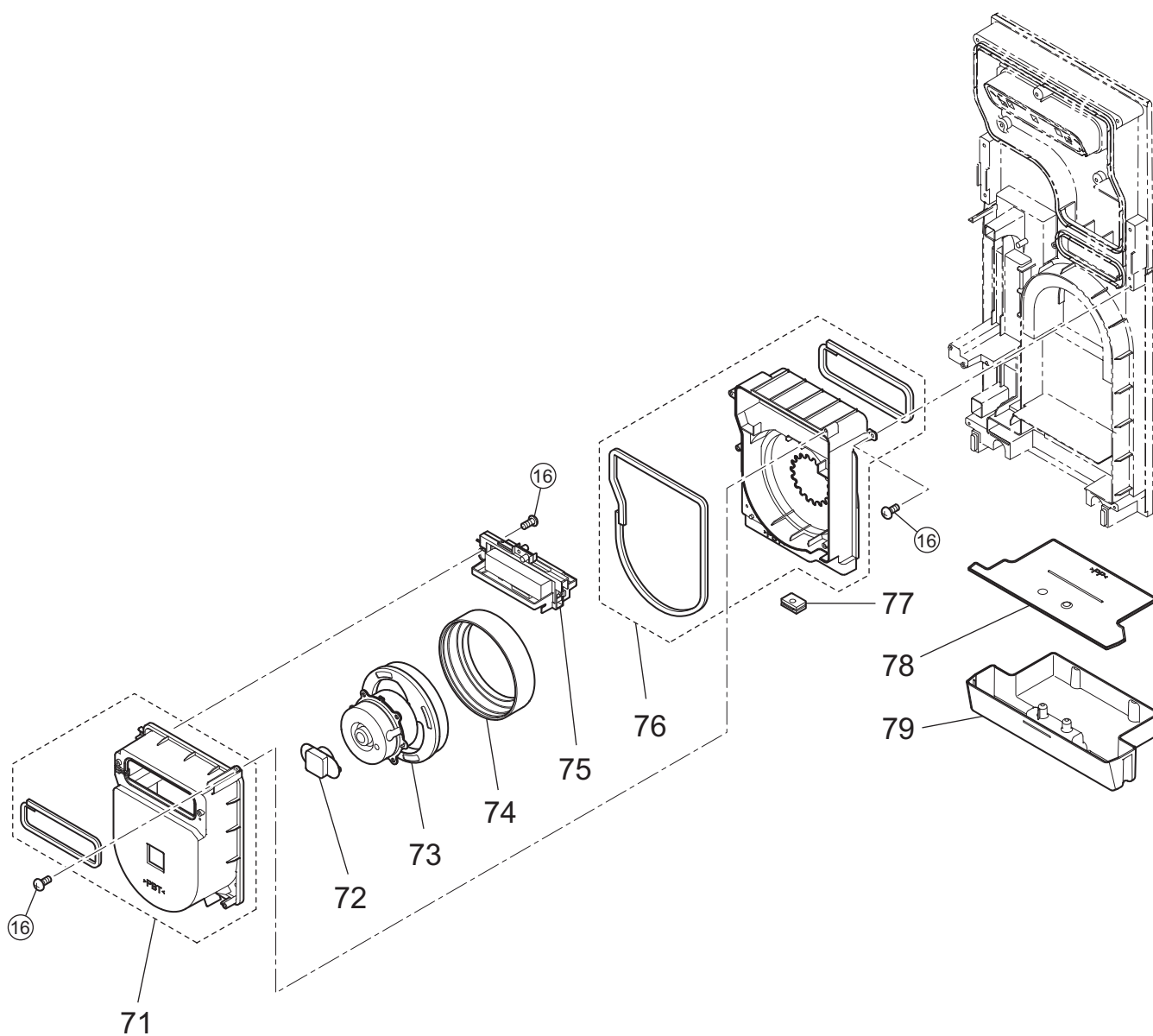
Model JT-SB216JSH-S-E

No.	Parts No.	Name of part	Q'ty pcs/unit	Critical Remarks for safety	Price
1.	M45 684 841	Side cover	1	Gray	
2.	Y45 623 807	Switch door	1	Gray	
3.	Y45 623 806	Side panel (left)	1	Gray	
4.	Y45 622 805	Base	1		
5.	D41 233 018	Special screw 4×16	13		
6.	M45 684 805	Hook (upper)	1		
7.	M45 632 047	Special screw 4×16	2		
8.	M45 684 802	Fix plate	1		
9.	Y45 622 802	Exhaust duct	1		
10.	M45 684 824	Panel holder (left)	1		
11.	M45 684 825	Panel holder (right)	1		
12.	M45 684 838	Panel (front)	1	Gray	
13.	M45 684 843	Side panel (right)	1	Gray	
14.	Y45 623 803	Panel (back)	1	Gray	
15.	M45 665 806	Filter	1	▲	
16.	H00 163 007	PTT screw 4×16	31		
17.	M45 684 804	Cover	1		
18.	Y45 623 809	Decoration plate	1		
19.	Y45 623 804	Front panel	1	Metallic	
20.	M45 632 045	Special screw 4×16	3		
21.	Y45 623 358	Wiring diagram	1		



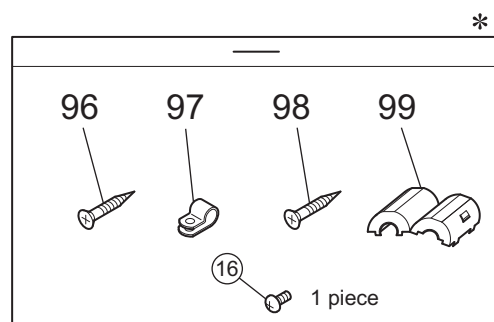
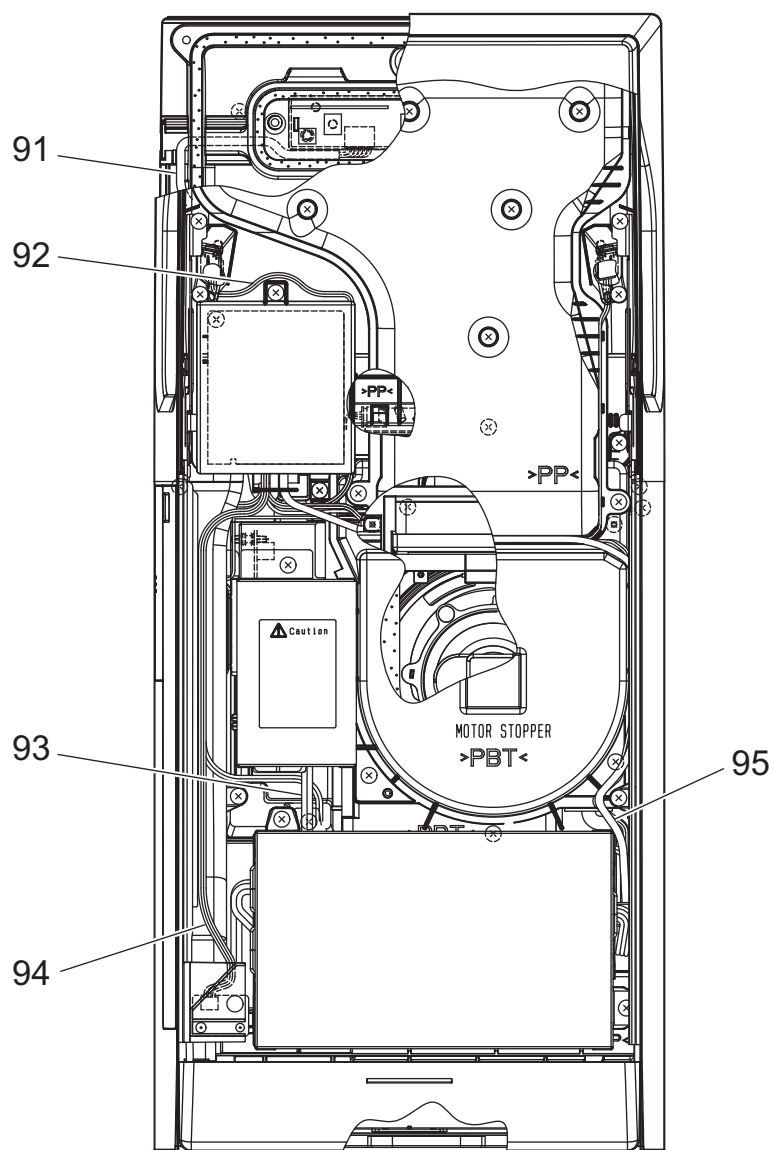
Model JT-SB216JSH-S-E

No.	Parts No.	Name of part	Q'ty pcs/unit	Critical Remarks for safety	Price
31.	M45 679 228	Switch cover	1		
32.	H00 003 005	PPT screw 3×8	1		
33.	M45 684 820	Switch fix piece	1		
34.	Y45 622 220	Switch (assy)	1	⚠ With a fuse	
35.	M45 684 823	Insulation sheet	1	⚠	
36.	Y45 622 804	Terminal block fix plate	1		
37.	M45 640 226	Cord bush	1		
38.	M45 684 821	Insulation sheet	1	⚠	
39.	M35 717 095	Spacer	4		
40.	Y45 622 173	Circuit board	1	⚠ JT-30F3	
41.	M45 684 822	Board cover (filter)	1		
42.	M45 606 095	Spacer	1		
43.	M45 684 176	Circuit board	1	⚠ JT-30S5	
44.	M45 684 172	Circuit board	1	⚠ JT-30S1	
45.	M45 684 831	Sensor fix plate (upper)	1		
46.	M45 684 828	Maintenance cover	1		
47.	H00 312 007	PTT screw 4×6	3		
48.	M45 649 226	Cord bush	5		
49.	M45 684 826	Terminal block cover	1		
50.	H00 141 005	PPT screw 4×20	2		
51.	K81 432 236	Terminal block	1	⚠ 3P ML-20	
52.	Y45 622 808	Terminal block fix holder	1		
53.	H00 011 008	PT screw 4×8 (BS)	2		
54.	H00 013 076	Lock washer (4)	2		
55.	M45 684 834	Cover (micon)	1		
56.	M34 869 018	Special screw 4×12	3		
57.	Y45 623 172	Circuit board	1	⚠ JT-30M3	
58.	M45 684 173	Circuit board (middle)	2	⚠ JT-30S2	
59.	M45 684 829	Sensor fix piece (middle)	2		
60.	M45 684 174	Circuit board (lower)	1	⚠ JT-30S3	
61.	M45 684 830	Sensor fix holder (lower)	1		
62.	Y45 622 803	Reactor (assy)	1	⚠	
63.	M45 684 827	Board cover (power)	1		
64.	Y45 622 180	Ferrite core	1		
65.	Y45 623 171	Circuit board	1	⚠ JT-30P3H	



Model JT-SB216JSH-S-E

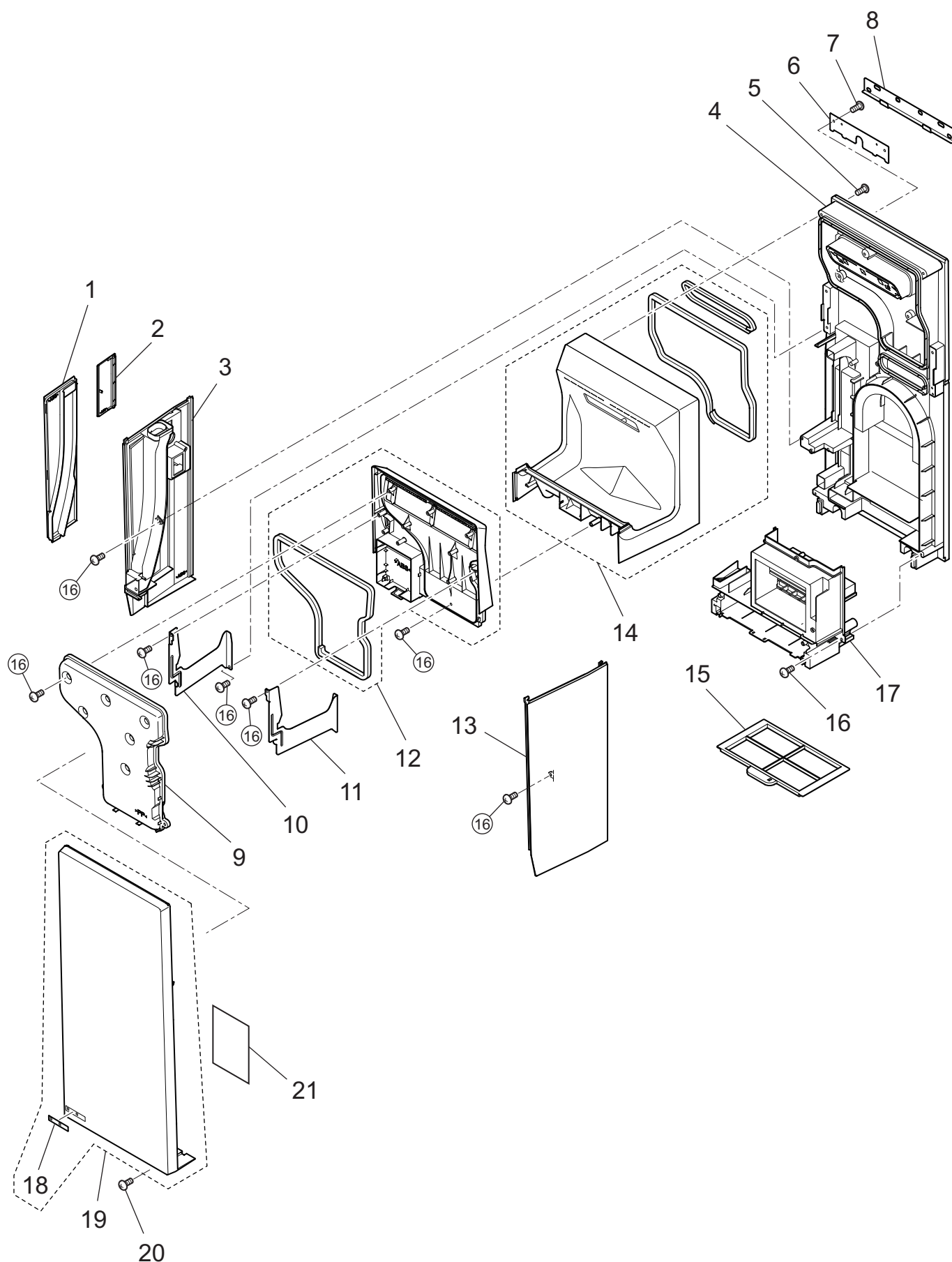
No.	Parts No.	Name of part	Q'ty pcs/unit	Critical Remarks for safety	Price
71.	M45 684 811	Blower cover	1		
72.	M45 673 227	Blower stopper	1		
73.	Y45 622 400	Blower (assy)	1	▲	
74.	M45 664 227	Floating rubber	1		
75.	Y45 623 801	Heater (PTC)	1	▲	With a fuse
76.	M45 684 833	Blower case	1		
77.	M45 684 225	Cord bush	1		
78.	M45 684 814	Tank cover	1		
79.	M45 684 839	Drain tank	1		



* shows accessory parts.

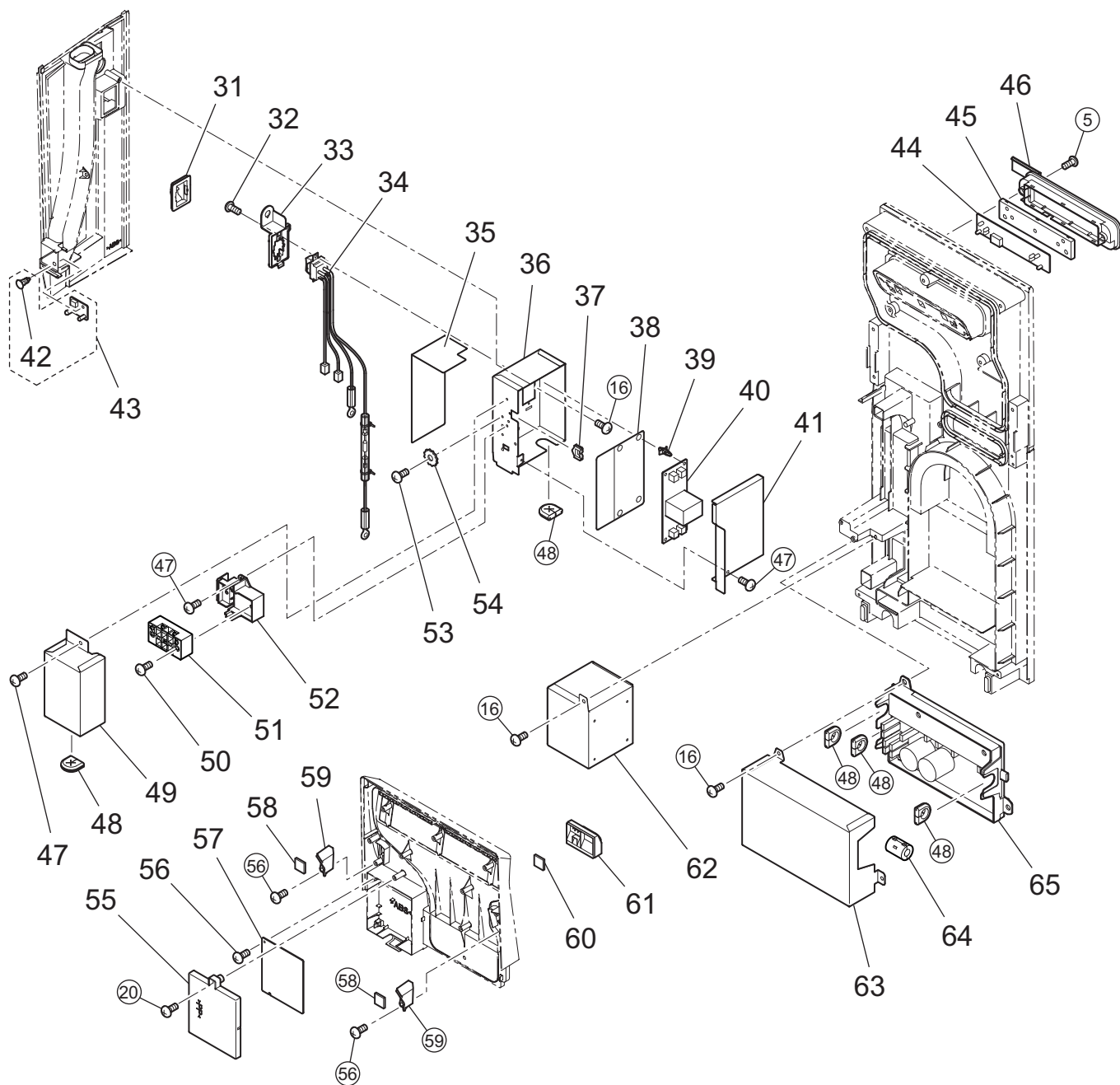
Model JT-SB216JSH-S-E

No.	Parts No.	Name of part	Q'ty pcs/unit	Critical Remarks for safety	Price
91.	M45 684 221	Lead wire	1	▲ CN8-CN11	
92.	M45 684 220	Lead wire	1	▲ CN7-CN12, 15	
93.	Y45 622 219	Lead wire	1	▲ With a ferrite core	
94.	M45 684 223	Lead wire	1	▲ CN18-CN19	
95.	Y45 623 219	Lead wire	1	▲ CN2-CN5	
96.	M45 636 018	Special screw 5×30	6		
97.	D40 134 227	Cord clip	1		
98.	M45 693 017	Special screw 4×12	1		
99.	Y45 622 179	Ferrite core	1		



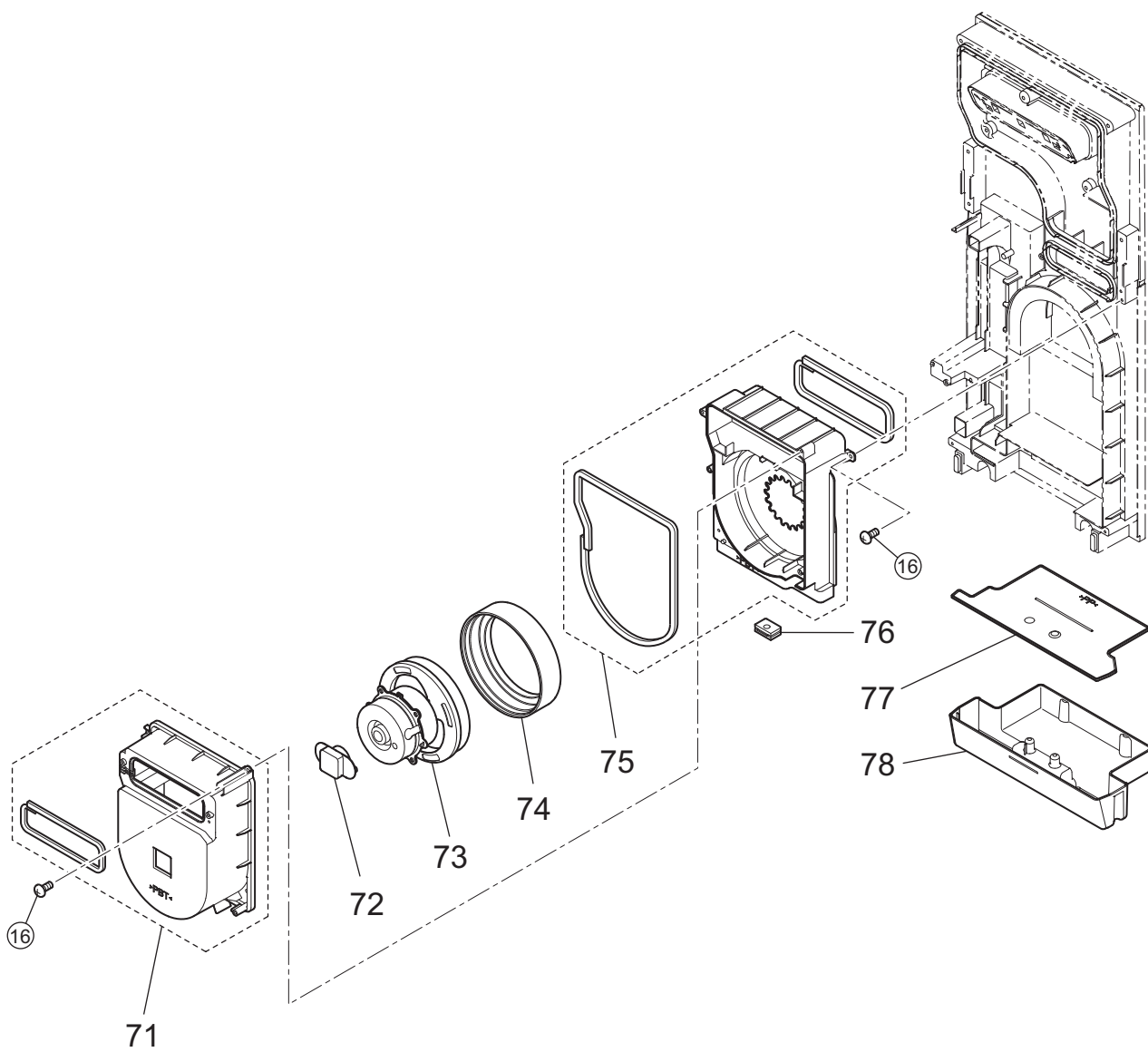
Model JT-SB216KSN-W-E

No.	Parts No.	Name of part	Q'ty pcs/unit	Critical Remarks for safety	Price
1.	M45 684 817	Side cover	1	White	
2.	Y45 622 807	Switch door	1	White	
3.	Y45 622 806	Side panel (left)	1	White	
4.	Y45 622 805	Base	1		
5.	D41 233 018	Special screw 4×16	13		
6.	M45 684 805	Hook (upper)	1		
7.	M45 632 047	Special screw 4×16	2		
8.	M45 684 802	Fix plate	1		
9.	Y45 622 802	Exhaust duct	1		
10.	M45 684 824	Panel holder (left)	1		
11.	M45 684 825	Panel holder (right)	1		
12.	M45 684 803	Panel (front)	1	White	
13.	M45 684 832	Side panel (right)	1	White	
14.	Y45 622 801	Panel (back)	1	White	
15.	M45 665 806	Filter	1	▲	
16.	H00 163 007	PTT screw 4×16	29		
17.	M45 684 804	Cover	1		
18.	Y45 622 809	Decoration plate	1		
19.	Y45 622 800	Front panel	1	White	
20.	M45 632 045	Special screw 4×16	3		
21.	Y45 622 358	Wiring diagram	1		



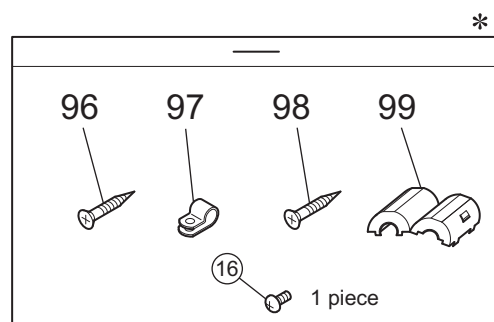
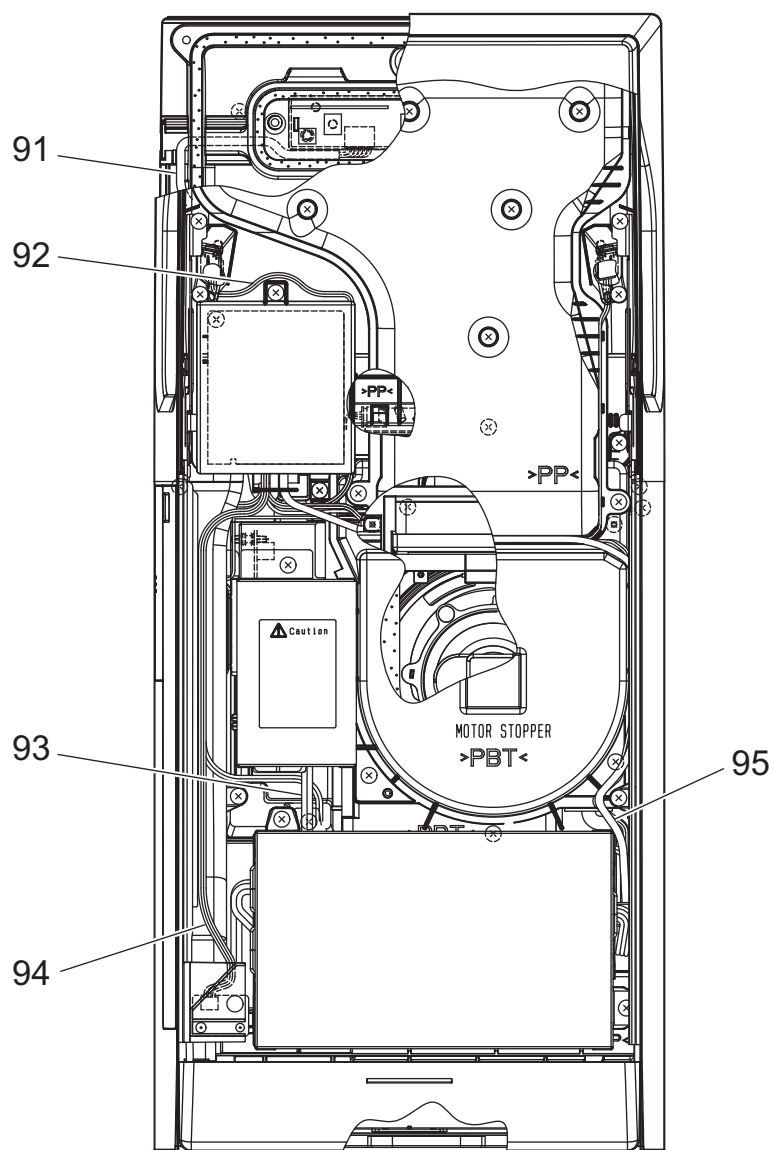
Model JT-SB216KSN-W-E

No.	Parts No.	Name of part	Q'ty pcs/unit	Critical Remarks for safety	Price
31.	M45 679 228	Switch cover	1		
32.	H00 003 005	PPT screw 3×8	1		
33.	M45 684 820	Switch fix piece	1		
34.	Y45 622 220	Switch (assy)	1	⚠ With a fuse	
35.	M45 684 823	Insulation sheet	1	⚠	
36.	Y45 622 804	Terminal block fix plate	1		
37.	M45 640 226	Cord bush	1		
38.	M45 684 821	Insulation sheet	1	⚠	
39.	M35 717 095	Spacer	4		
40.	Y45 622 173	Circuit board	1	⚠ JT-30F3	
41.	M45 684 822	Board cover (filter)	1		
42.	M45 606 095	Spacer	1		
43.	M45 684 176	Circuit board	1	⚠ JT-30S5	
44.	M45 684 172	Circuit board	1	⚠ JT-30S1	
45.	M45 684 831	Sensor fix plate (upper)	1		
46.	M45 684 828	Maintenance cover	1		
47.	H00 312 007	PTT screw 4×6	3		
48.	M45 649 226	Cord bush	5		
49.	M45 684 826	Terminal block cover	1		
50.	H00 141 005	PPT screw 4×20	2		
51.	K81 432 236	Terminal block	1	⚠ 3P ML-20	
52.	Y45 622 808	Terminal block fix holder	1		
53.	H00 011 008	PT screw 4×8 (BS)	2		
54.	H00 013 076	Lock washer (4)	2		
55.	M45 684 834	Cover (micon)	1		
56.	M34 869 018	Special screw 4×12	3		
57.	Y45 622 172	Circuit board	1	⚠ JT-30M2	
58.	M45 684 173	Circuit board (middle)	2	⚠ JT-30S2	
59.	M45 684 829	Sensor fix piece (middle)	2		
60.	M45 684 174	Circuit board (lower)	1	⚠ JT-30S3	
61.	M45 684 830	Sensor fix holder (lower)	1		
62.	Y45 622 803	Reactor (assy)	1	⚠	
63.	M45 684 827	Board cover (power)	1		
64.	Y45 622 180	Ferrite core	1		
65.	Y45 622 171	Circuit board	1	⚠ JT-30P3	



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No.	Parts No.	Name of part	Q' ty pcs/unit	Critical Remarks for safety	Price
71.	M45 684 811	Blower cover	1		
72.	M45 673 227	Blower stopper	1		
73.	Y45 622 400	Blower (assy)	1	▲	
74.	M45 664 227	Floating rubber	1		
75.	M45 684 833	Blower case	1		
76.	M45 684 225	Cord bush	1		
77.	M45 684 814	Tank cover	1		
78.	M45 684 813	Drain tank	1		



* shows accessory parts.

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No.	Parts No.	Name of part	Q'ty pcs/unit	Critical Remarks for safety	Price
91.	M45 684 221	Lead wire	1	▲ CN8-CN11	
92.	M45 684 220	Lead wire	1	▲ CN7-CN12, 15	
93.	Y45 622 219	Lead wire	1	▲ With a ferrite core	
94.	M45 684 223	Lead wire	1	▲ CN18-CN19	
95.	M45 684 219	Lead wire	1	▲ CN2-CN5	
96.	M45 636 018	Special screw 5×30	6		
97.	D40 134 227	Cord clip	1		
98.	M45 693 017	Special screw 4×12	1		
99.	Y45 622 179	Ferrite core	1		