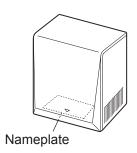


HAND DRYER

HANDBOOK

MODELS

JT-S2AP-W-NE JT-S2AP-S-NE JT-S2A-W-NE



Warning:

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

MITSUBISHI ELECTRIC CORPORATION

Contents

1.	Safety precautions ······ 3-4
2.	Features ····· 4
	Names and functions of components 5
4.	Specifications 6
5.	Outside dimensions ····· 6-7
6.	Electrical wiring diagrams
7.	Circuit board diagram ····· 8
8.	Principles of operation 9
9.	Troubleshooting ······ 10-13
	Before receiving repair requests 14
11.	Service inspection list 14
	Overhauling procedures ······ 15-19
13.	Parts catalog ····· 20-44
	JT-S2AP-W-NE 21-28
	JT-S2AP-S-NE 29-36
	JT-S2A-W-NE 37-44

1. Safety precautions

- 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.



Incorrect handling of the product may result in serious injury or death.

If you must inspect the circuitry while the power is on, do not touch the live parts.

(Failure to heed this warning may result in electric shock.)

Caution against

Modification is prohibited

Do not modify the unit.

(Failure to heed this warning may result in electric shock, fire and/or injury.)



Prohibited

○ Proper electric work

- 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.
- Make sure that the terminals and fixed wiring are securely connected.

(Improper connection or wiring installation may result in electric shock and/or fire.)

Be sure to follow this instruction.

Scratches and deterioration

Make sure to replace scratched and/or deteriorated wiring and lead wires.

(Failure to heed this warning may result in electric shock and/or fire.)

Be sure to follow

Make sure to turn off the circuit breaker prior to starting repair work. (The charge voltage in the circuitry remains for another 15 seconds or so, even after the power is turned off and the LED is unlit; therefore, wait for at least 15 seconds before disassembling the product.)

(Failure to heed this warning may result in electric shock.)

Be sure to follow this instruction.

Use proper parts and tools

For repair, be sure to use the parts listed in the service parts catalog of the applicable model and use the proper tools.

(Failure to heed this warning may result in electric shock, fire and/or injury.)

Be sure to follow this instruction.

♦ Check insulation

Upon completing repair work, always measure the insulation resistance. Verify that it is at least 10 $M\Omega$ (with a 500-V DC insulation resistance tester), and then turn on the power.

(Inadequate insulation may result in electric shock.)

Be sure to follow this instruction.



Incorrect handling of the product may result in minor injury or damage to properties including buildings and equipment.

Wear gloves

Always wear a pair of gloves during inspection or repair work.

(Failure to heed this caution may result in injury.)

Be sure to follow this instruction.

Notes for servicing

- Before repairs, take the product off the wall.
- Inspect the earth condition, and repair it if it is incomplete. Make sure that a circuit breaker or an overload protection device is installed, if it is not installed, recommend the customer to install one.
- Check whether the filter is installed securely in place.
- Do not leave a towel or other objects in the hand-drying area.
- Never place any objects 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 the temperature could be higher than 40°C
 - · Locations where there is a lot of dust
 - · Locations where there is a lot of condensation
 - · Locations where salt damage could occur
 - In vehicles (including ships and airplanes)
 - Locations where corrosive, neutral, or reductive gases are present (This may shorten the working life of the unit and/or cause malfunctions.)
 - · Near food or tableware
 - Kitchens (Where there is a risk of water splashing)
 - · Locations where the product may come into direct contact with water
 - Locations where the product is in direct sunlight or strong light (It may cause sensor malfunction)
 - Rooms that have a sterilization basin, swimming pools, or 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.

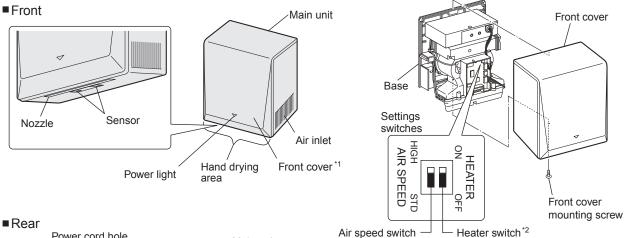
2. Features

- · High speed drying with low energy use and quiet operation
- Robust, tamper-resistant body (JT-S2AP type equipped with the metal cover)
- Quick 0.1 second response time improves user experience.

3. Names and functions of components

(1) Names of components

*Shaded areas in the figure indicate antibacterial material (excluding outlet nozzle areas).



Power cord hole Main unit

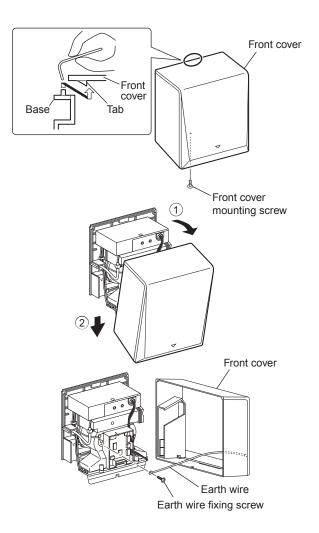
Notes

- *1 The front cover of JT-S2AP type is not antibacterial.
- *2 JT-S2A type does not have the heater switch.

(2) How to open the front cover

NOTE

- Prevent scratching on the front cover. Rust may form on the scratched area.
 (JT-S2AP type only)
- 1 Remove the front cover mounting screw (1 pc.) on the bottom of the main unit.
- 2 Insert a thin stick or the like into near the tab of the upper part of the front cover and disengage the tab.
- 3 Remove the earth wire fixing screw (1 pc.) from the base and remove the front cover. (JT-S2AP type only)



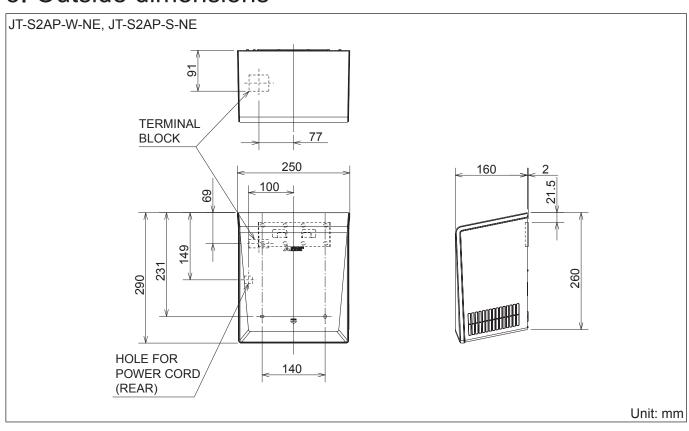
• Attach the front cover in the reverse order.

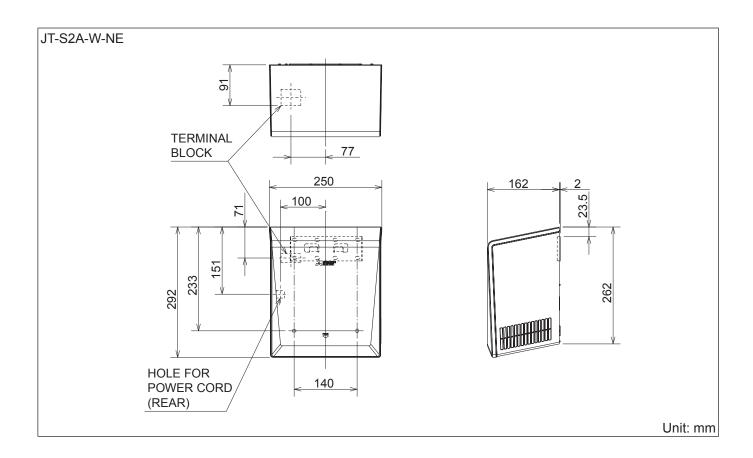
4. Specifications

Model	Rated voltage (V)	Rated frequency (Hz)	Heater	Air speed	Rated current (A)	Power consumption (W)	Air speed (m/s)	Noise (dB)	Weight (kg)
			ON	HIGH	4.1-4.3	880-980	150-158	60-62	
JT-S2AP-W-NE			ON	STANDARD	3.5-3.7	660-740	125-132	58-59	4.5
JT-S2AP-S-NE			OFF	HIGH	2.9-3.2	630-730	150-158	60-62	
	Single phase			STANDARD	2.6-2.8	410-490	125-132	58-59	
IT COA VALAIF	7.1000		_	HIGH	2.9-3.2	630-730	150-158	60-62	4
JT-S2A-W-NE			_	STANDARD	2.6-2.8	410-490	125-132	58-59	4

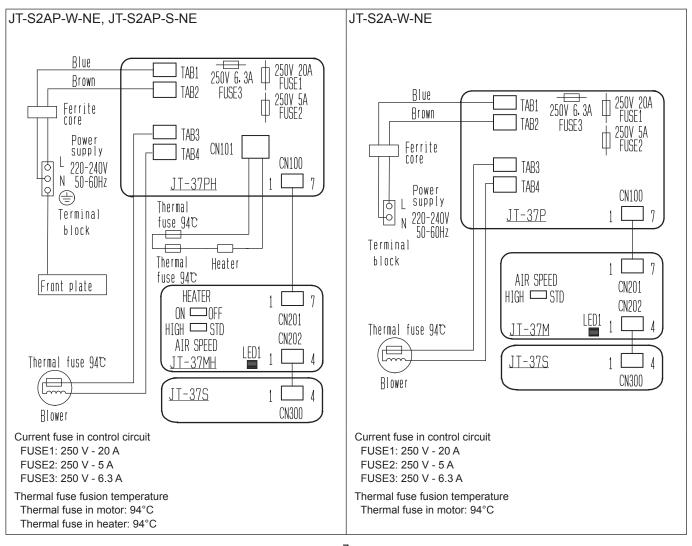
- Air speed is calculated from the static pressure measured by the pitot tube (at the nozzle).
- Noise is the A range value measured in an anechoic room. (Average of the three points: 2 m from the front and both sides of the unit.)
- The heater is turned off automatically when ambient temperature is 30°C or more. (Only for JT-S2AP type)
- Compliance: LVD, EMC Directive, Ecodesign and Energy Labelling, RoHS Directive

5. Outside dimensions



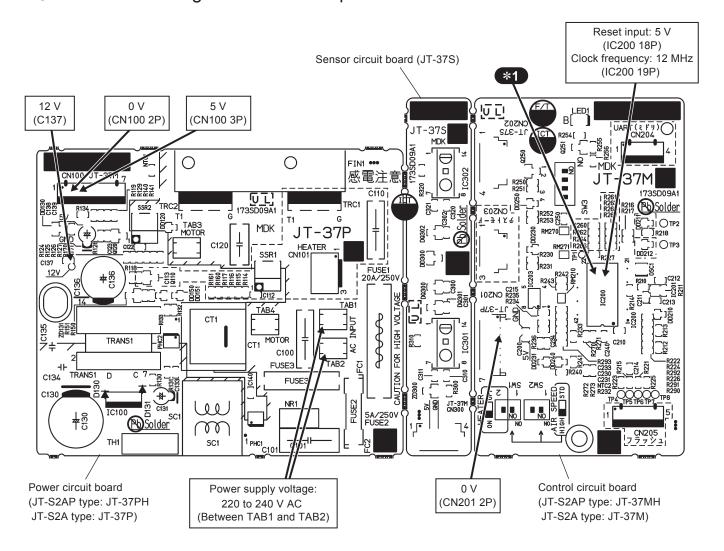


6. Electrical wiring diagrams



7. Circuit board diagram

Circuit board diagrams and check points



*1 Circuit thermostat characteristics (JT-37MH/M: IC200 40P and 41P)							
	Temperature	Resistance	IC200 40P and 41P Voltage				
	20°C	59.3 kΩ	3.44 V				
	40°C	24.5 kΩ	2.38 V				
	60°C	11.3 kΩ	1.47 V				

8. Principles of operation

Descriptions of circuit operation

(1) Notes for turning the power ON / OFF

- ① When the power is turned ON, the power light (LED 1) turns on after 1.5 seconds, and the hand dryer becomes ready for operation.
 - Before the power light turns on, the hand dryer will not operate even if hands are inserted in the hand drying area. In the meantime, the microcomputer (IC200) on the control circuit board performs the initial settings.
- 2 When the power is turned OFF, the power light turns off and operation stops.
 - The circuitry takes about 15 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 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 A range sensor is used as the hand detection sensor.
- ② When the sensor detects hands, the blower motor turns on and the hand dryer starts to operate.
- ③ Once operation has started, it continues as long as the sensor detects hands.
- 4 If delay time (*Note 1) elapses without detecting hands by the sensor, the blower motor turns off and operation stops.

Note 1: The delay time until the blower motor turns off is determined by the following setting.

<Motor delay time setting>

When the power is on, use the switch (SW3-3) on the control circuit board (JT-37MH/M) to set the delay time to 1 or 2 seconds.

SW3-3	Delay time		
OFF	1.0 s		
ON	2.0 s		

- (5) 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. (Tamper-resistant timer)
 - Since this is a function to assume the presence of a foreign object, the operation will resume when hands are pulled out and reinserted.

(3) Control of the blower motor

1) The air speed (air volume) is determined by the switch (SW1-1 or SW2-1) setting.

SW1-1 (SW2-1)	Air speed
OFF	STANDARD
ON	HIGH

JT-S2AP type: SW1-1 (JT-37MH) JT-S2A type: SW2-1 (JT-37M)

- 2 The motor does not start in the following occasions:
 - When a temperature detected by the thermostat on the control circuit board (JT-37MH/M) is 65°C or higher, or lower than -40°C
 - When a temperature detected by the thermostat on the power circuit board (JT-37PH/P) is 65°C or higher, or lower than -40°C

(4) Control of the heater (Applicable models: JT-S2AP type)

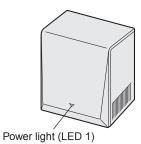
- ① To regulate inrush current at startup, the heater turns on 0.5 seconds later than the blower motor.
- 2 The heater does not turn on in the following occasions:
 - When the switch (SW1-2) on the control circuit board (JT-37MH) is in the OFF position
 - When a temperature detected by the thermostat on the control circuit board (JT-37MH) is 32°C or higher, or when a temperature detected by the thermostat on the power circuit board (JT-37PH) is 55°C or higher

9. Troubleshooting

Work precautions

- When servicing, reproduce 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 circuit 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.
- * The part names in the text are standardized with the part names in the parts catalog. (There are some exceptions.)

Description of the error display



Model name of the circuit boards

	JT-S2AP-W/S-NE	JT-S2A-W-NE
Power circuit board	JT-37PH	JT-37P
Control circuit board	JT-37MH	JT-37M
Sensor circuit board	JT-37S	JT-37S

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

○: Lit •: Unlit ☆: Blinking (ON for 0.4 seconds/ OFF for 0.4 seconds)

<Blinking cycle>

Blinking...(predetermined number of blinks)

Light turns off

(Light turns off for 0.4 seconds)

(Light turns off for 2.4 seconds)

Ex: "Motor abnormality 1" blinks 3 times



Description		Power light	Main cause of error		
		(LED1)	Wall cause of circl		
Normal	When normal	0	_		
Nor	Tamper prevention	☆	30-second continuous operation	(automatic return)	
	Power-supply detection abnormality	2 blinks	Power-supply noise	(automatic return)	
	Motor abnormality 1	3 blinks	Motor: lock/connector detached		
nal	Motor abnormality 2	4 blinks	Motor: brush life limit/brush abnormality		
Abnormal	Power circuit board temperature abnormality	5 blinks	Power circuit board: high-temperature/low-temperature	(automatic return)	
Abr	Control circuit board temperature abnormality	6 blinks	Control circuit board: high-temperature/low-temperature	(automatic return)	
Microcomputer abnormality 7 blink		7 blinks	Microcomputer abnormality (main board)		
	Power-supply OFF/fuse melting	Power-supply OFF, electric current fuse and temperatur	e fuse melting		

Troubles with error display

Error Display	Cause	Check Method and Remedy				
Power light (LED 1) (The hand driver does not	Connector disconnection Blowout of the current fuse	Check if the lead wire connectors between the power circuit board and the control circuit board are disconnected. Measure the resistance across the current fuses (FUSE 1 and 2) on the power circuit board. If the resistance is not normal, replace				
(The hand dryer does not operate, and the light does not light up.)	TOTAL TOO	the power circuit board. Resistance Judgment				
	Malfunction of the control circuit board Malfunction of the					
Power light (LED 1)	power circuit board Malfunction of the control circuit board	place the power circuit board. Check if the connector CN201 on the control circuit board or CN100 on the power circuit board is disconnected.				
(The hand dryer operates, but the light does not light up.)		Is the connector on the control circuit board or the one on the power circuit board securely connected?				
	Malfunction of the control circuit board	(If a light-emitting device of the control circuit board is in a state of short circuit or open fault, the light does not light up.) If the error persists after performing the above, replace the control circuit board.				
Power light (LED 1)	30 seconds have elapsed.	If hands are inserted in the hand drying area for 30 seconds, the error occurs. It returns to normal if hands are pulled out.				
(Tamper-resistant timer)	Dirty sensor window	Check for dirt sticking to the sensor area. If the hand dryer operates for 30 seconds because of dirt on the sensor window, remove the sensor dirt, and then reset the power.				
	Malfunction of the control circuit board	If the error persists after performing the above, replace the control circuit board.				
Power light (LED 1) 2 blinks	Connector discon- nection	Check if the lead wire connectors between the power circuit board and the control circuit board are disconnected.				
(Power failure)	Malfunction of the control circuit board	Replace the control circuit board.				
(r ower railule)	Malfunction of the power circuit board	Replace the power circuit board.				
	Power supply noise	If there is power supply noise, use a noise filter for the power line or take other noise-control measures.				

Error Display	Cause	Check Method and Remedy
Power light (LED 1) 3 blinks	Connector disconnection for the motor	Check if the lead wire connectors between the motor and the power circuit board are disconnected.
(Motor error)	Motor brush at the end of its life	Replace the blower (assembly).
	Motor lock	Check if the motor vanes are locked.
	Blown current fuse (FUSE 3) or blown thermal fuse of the motor	Measure the resistance between the both ends of the motor lead. If it is ∞ Ω , replace the blower (assembly).
	Malfunction of the control circuit board	If no error is found after checking the above, replace the control circuit board.
	Malfunction of the power circuit board	If the error persists after replacing the control circuit board, replace the power circuit board.
Power light (LED 1)	Unusually worn-out motor brush	Replace the blower (assembly).
4 blinks (Motor brush error)	Motor brush at the end of its life	Replace the blower (assembly).
,	Malfunction of the control circuit board	If the error persists after performing the above, replace the control circuit board.
	Malfunction of the power circuit board	If the error persists after replacing the control circuit board, replace the power circuit board.
Power light (LED 1)	An abnormal temperature has been	If the temperature on the power circuit board rises because of the overuse, the hand dryer stops the operation.
5 blinks	detected. Malfunction of the power circuit board	Leave it until the temperature falls, and then check if the error occurs again.
(Temperature detection error (Power circuit board))		If the error persists after performing the above, replace the power circuit board.
Power light (LED 1)	An abnormal temperature has been	If the temperature on the control circuit board rises because of the overuse, the hand dryer stops the operation.
6 blinks	detected.	Leave it until the temperature falls, and then check if the error occurs again.
(Temperature detection error (Control circuit board))	Malfunction of the control circuit board	If the error persists after performing the above, replace the control circuit board.
Power light (LED 1)	Malfunction of the control circuit board	Replace the control circuit board.
7 blinks		
(Microcomputer error)		

Troubles without error display

Symptom	Cause		Check Meth	nod and Rem	nedy	
The hand dryer does not blow warm air. (For JT-S2AP type)	Malfunction of the heater switch	ure the resistance	across the h	neater switch	ly connected, meas- on the control circuit ce the control circuit	
		Switch (SW1-2)	Resistance	Judgment		
		ON state	0 Ω	Normal		
		OFF state	∞ Ω	Normal		
	Blown thermal fuse of the heater	Measure the resistance between the heater lead connectors (red and white). If it is ∞ Ω , replace the heater (PTC).				
	Ambient temperature is low.	When the ambient temperature is 18°C or lower, the hand dryer, which is equipped with the simple heater, does not blow sufficiently warm air.				
	Malfunction of the power circuit board	If the error persists after performing the above, replace the power circuit board.				
The hand dryer does not stop blowing air.	Dirt on the sensor area	Check if the sense	or window ge	ets dirty.		
	Influence of light	Check if the sense	or area is exp	oosed to sun	light or strong light.	
	Malfunction of the power circuit board	If the error persist circuit board.	s after perfo	rming the abo	ove, replace the power	
	Malfunction of the control circuit board	If the error persist place the control of	•	• .	er circuit board, re-	
The air speed cannot be changed.	Malfunction of the control circuit board	Replace the contr	ol circuit boa	ırd.		
The hand dryer does not blow air even though hands are inserted.	Hands are too far away from the sensor.	Sensitivity range of When inserting has			ctly below the sensor. the sensor.	

10. Before receiving repair requests

	Frequently ask	ed question	Response
1	The hand dryer does not blow air even though hands are	The power light is not turned on.	If the power wires are disconnected, securely connect them to the terminal block. If the circuit breaker is OFF, turn it ON.
	inserted. (It may not stop blowing air in the case of ③.)	Cases other than the above	③ The sensor area may get dirt, clean up the sensor area.
2	The hand dryer does not blow warm air.	The heater switch is not turned on.	1) If the heater switch (SW1-2) is OFF, turn it ON.
	(For JT-S2AP type)	Ambient temperature is low.	② When the room temperature is 18°C or lower, the hand dryer, which is equipped with the simple heater, does not blow sufficiently warm air.
3	Air blow is too weak to	dry hands quickly.	If the air speed is set at STANDARD, switch it to HIGH. If the filter is clogged, clean it up.

11. Service inspection list

Location	Location Inspection Item	
Flootrio veining	Are lead wire connectors connected securely?	
Electric wiring	Is the wiring correct?	
Operation	Does the hand dryer operate properly? Isn't there any abnormal noise, vibration, etc.?	
Power light Does the light (LED) come on?		
Filter	Is the filter inserted into the proper position?	
Wall installation	Isn't there any gaps between the product and the back wall?	

12. 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 circuit 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.
- * The part names in the text are standardized with the part names in the parts catalog. (There are some exceptions.)

(1) Turn off the power supply.

• Turn off the circuit breaker on the distribution board.

(2) Control circuit board (JT-37MH/JT-37M)

① Remove the front panel clamping screw. (One PT screw 4 x 14, indicated by O)

Tightening torque: 1.0 ± 0.1 N·m

<A bottom view of the product>



Front panel

② Unhook the inside claws (Indicated by ○) of the front panel from the base, and remove the front panel. → See page 5.



For JT-S2AP type

Precaution for the models equipped with the heater Be aware that the earth lead wire is connected between the front panel and blower parts.

Front panel Blower parts

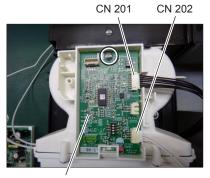


Earth lead wire

③ Unscrew the screw to remove the control circuit board. (One PTT screw 4 x 14, indicated by ○)

Tightening torque: 1.0 ± 0.1 N·m

4 Disconnect the connectors (CN201 and CN202) from the control circuit board.



Assembly precautions

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



Blower cover

(3) Sensor circuit board (JT-37S)

- ① Remove the front panel. \rightarrow See (2) ① and ②.
- ② Unhook the claw (indicated by O) of the sensor fix plate from the nozzle, and then remove the sensor fix plate.



Sensor fix plate

- (4) Remove the sensor circuit board.

Assembly precautions

- Run the lead wires through the groove of the nozzle. (Indicated by
 O)
- Take care not to pinch the lead wires.



Sensor circuit board (JT-37S)

(4) Power circuit board (JT-37PH/JT-37P)

- ① Remove the front panel. \rightarrow See (2) ① and ②.
- ② Unscrew the screw to remove the circuit board cover. (One PTT screw 4 x 6, indicated by O)

Tightening torque: 1.0 ± 0.1 N·m

③ Disconnect the connectors from the power circuit board.

Circuit board cover



Heater lead Blower lead CN 101 TAB4 TAB3



Power circuit board (JT-37PH/JT-37P)
*The picture shows JT-37PH.

④ Unscrew the screws.

(Two SW-PW · PP screws 4 x 8, indicated by O)

Tightening torque: 1.0 ± 0.1 N·m



(One PTT screw 4 x 14, indicated by (O)

Precaution

When removing the screw, pay attention not to drop the power circuit board.

Tightening torque: 1.0 ± 0.1 N·m

6 Remove the power circuit board from the PCB fix plate.

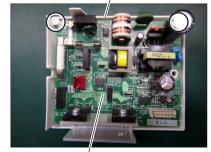
Assembly precaution

Fit the power circuit board into the claws of the PCB fix plate. (Indicated by \bigcirc)



Power circuit board (JT-37PH/JT-37P)

PCB fix plate



Power circuit board (JT-37PH/JT-37P)

For JT-S2AP type

(5) Heater (PTC) (with the thermal fuse)

- ① Remove the front panel .— See (2) ① and ②.
- ② Disconnect the white lead connector (CN202) from the control circuit board. \rightarrow See (2) ④.
- ③ Disconnect the heater lead connector (CN101) from the power circuit board. \rightarrow See (4) ① to ③.
- (4) Unscrew the nozzle clamping screws. (Four PTT screws 4 x 14, indicated by O)

Precaution

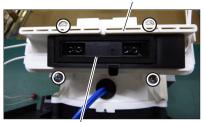
When removing the screws, pay attention not to drop the sensor fix plate.

Assembly precaution

Tighten the screws in a crisscross pattern.

Tightening torque: 1.0 ± 0.1 N·m



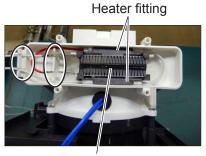


Sensor fix plate

5 Remove the heater (PTC) with the heater fittings.

Assembly precautions

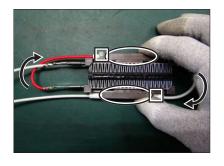
- Run the lead wires through the grooves of the blower cover.
 (Indicated by O)
- Take care not to pinch the lead wires.



Heater (PTC)

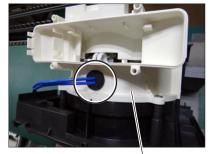
Assembly precautions

- Run the heater lead wires as shown in the picture at right.
- Fit the thermal fuse parts into the grooves of the heater fittings. (Indicated by ○)
- Align the cable ties with the edge of the grooves. (Indicated by \Box)



(6) Blower assembly (Thermal fuse of the motor)

- ① Remove the front panel. \rightarrow See (2) ① and ②.
- ② Disconnect the connectors (CN201 and CN202) from the control circuit board. → See (2) ④.
- ③ Disconnect the blower lead connectors (TAB3 and TAB4) from the power circuit board. → See (4) ① to ③.
- 4 Push the cord bush into the blower cover. (Indicated by O)

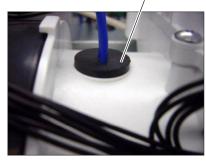


Blower cover

Assembly precautions

- Attach the cord bush as shown in the picture at right.
- Make sure that there is no slack in the lead wires inside the blower cover.

Cord bush



⑤ Unscrew the screw to remove the intake air duct. (One PTT screw 4 x 14, indicated by ○)

Tightening torque: 1.0 ± 0.1 N·m

Intake air duct



Assembly precaution

Set the intake air duct in the groove of the blower cover. (Indicated by \bigcirc)



(Four PTT screws 4 x 14, indicated by (5)

Tightening torque: 1.0 ± 0.1 N·m

- (7) Remove the cord bush from the lead wires.
 - \rightarrow See the picture of (6) 4.

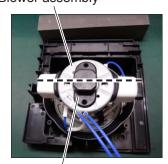


- 8 Remove the blower stopper.
- 9 Remove the blower assembly.

Assembly precautions

- Set the blower assembly horizontally.
- When installing the blower stopper, make sure that it is not loose.

Blower assembly



Blower stopper

* When reassembling

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

13. Parts catalog

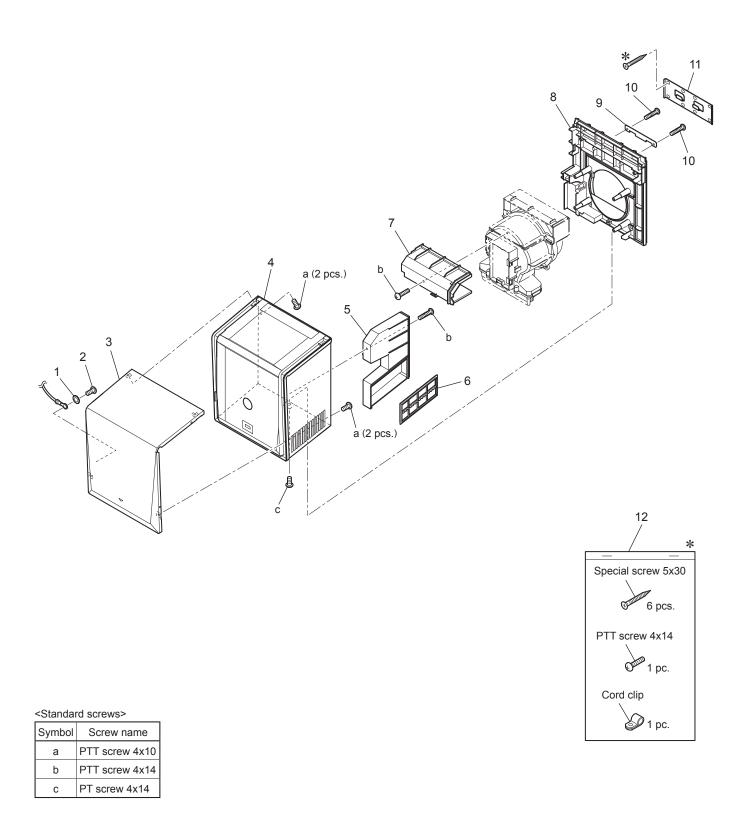
Please note the following when using the parts catalog.

- 1. When ordering parts, always indicate the part number, part name, and the number of parts required.
- 2. It may take time for you to receive the parts. Make an inquiry about a rush order.
- 3. Specifications may be subject to change without notice.
- 4. Parts marked with △ are critical for safety.
- 5. To maintain safety and performance, always replace the parts with the parts prescribed.
- 6. When replacing the parts to which the nameplate is attached, remove the nameplate and attach it to the new parts.

Description of screw abbreviations

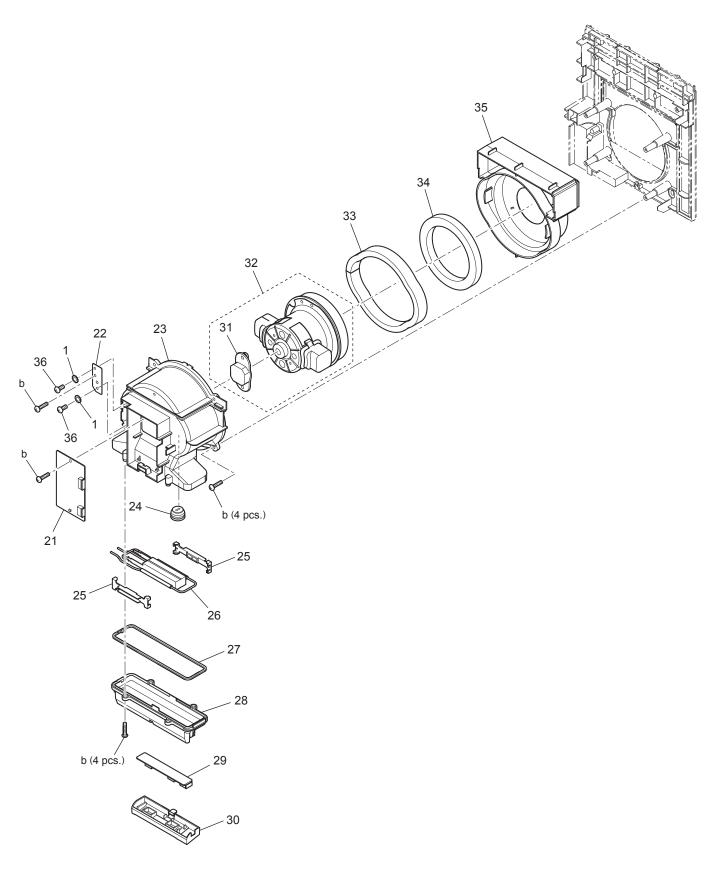


Abbreviation	Description
PC screw	Cross recess flat head machine screw
PRC screw	Cross recess oval head machine screw
PP screw	Cross recess pan head machine screw
SW · PP screw	Cross recess pan head screw with spring washer
PPT screw	Cross recess tapping screw
PCT screw	Cross recess flat head tapping 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



* shows accessory parts.

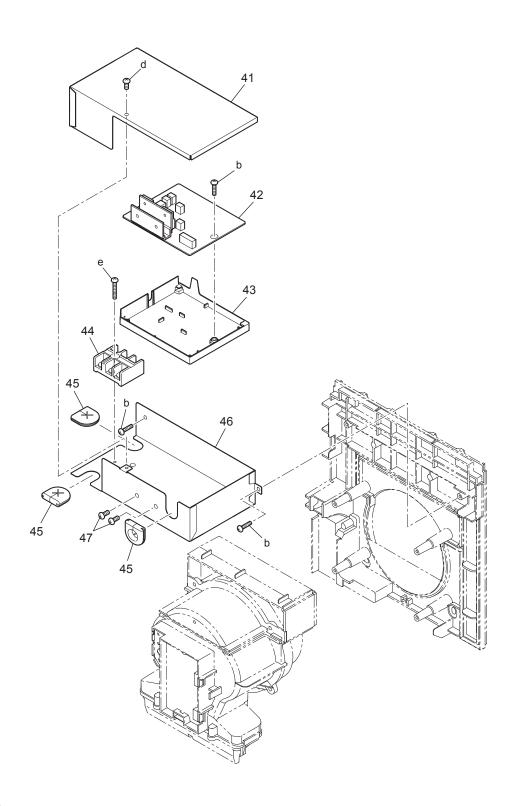
No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
1	Lock washer (4)	H00 013 076	3		
2	PT screw 4×6 BS	H00 009 008	1		
3	Decorated panel	Y45 638 805	1		
4	Front panel	Y45 638 811	1		
5	Duct	Y45 638 812	1		
6	Filter	Y45 638 804	1	⚠	
7	Intake air duct	Y45 638 809	1		
8	Base	Y45 638 806	1		
9	Fix plate	M45 692 809	1		
10	Special screw 4×14	M34 660 018	2		
11	Fix plate	M45 692 823	1		
12	Parts in bag	Y45 638 049	1		



<Standard screws>

Symbol	Screw name
b	PTT screw 4x14

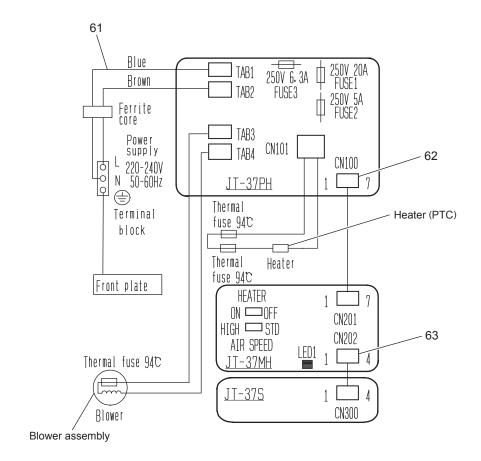
No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
21	Circuit board	Y45 638 172	1	Æ	JT-37MH
22	Earth fix plate	M45 641 802	1		
23	Blower cover	Y45 638 808	1		
24	Cord bush	M45 692 229	1		
25	Heater fitting	M45 692 821	2		
26	Heater (PTC)	Y45 638 283	1	Æ	94°C·With the thermal fuses
27	Packing	M45 692 228	1		
28	Nozzle	Y45 638 810	1	\triangle	
29	Circuit board	Y45 638 173	1	\triangle	JT-37S
30	Sensor fix plate	Y45 638 801	1		
31	Blower stopper	Y45 627 227	1		
32	Blower assembly	Y45 638 800	1	\triangle	
33	Packing	Y45 638 228	1		
34	Floating rubber	Y45 638 227	1		
35	Blower case	Y45 638 807	1		
36	PT screw 4×8 BS	H00 011 008	2		



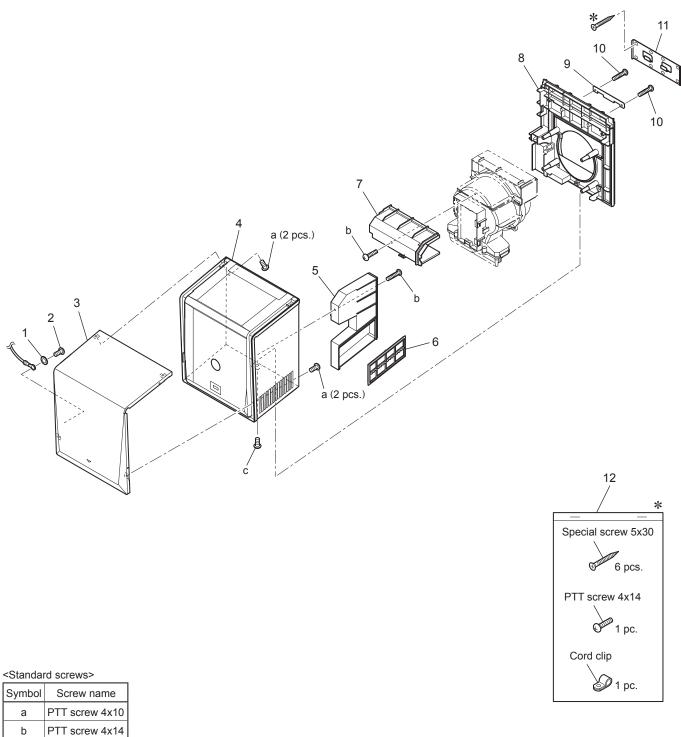
<Standard screws>

Symbol	Screw name		
b	PTT screw 4x14		
d	PTT screw 4x6		
е	PPT screw 4x25		

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
41	Circuit board cover	Y45 638 803	1		
42	Circuit board	Y45 638 171	1	\triangle	JT-37PH
43	PCB fix plate	Y45 627 807	1		
44	Terminal block	Y45 631 242	1	\triangle	3P
45	Cord bush	M45 649 226	3		
46	Circuit board case	Y45 638 802	1		
47	SW-PW · PP screw M4	M45 611 038	2		



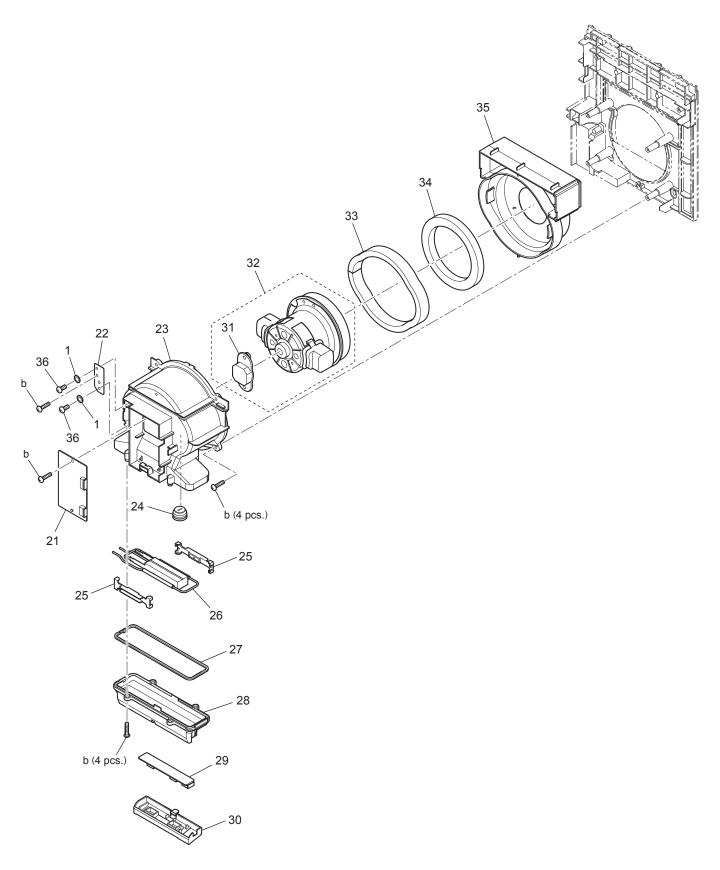
No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
61	Lead wire	Y45 638 284	1	⚠	With the ferrite core
62	Lead wire	Y45 638 280	1	\triangle	CN100-CN201
63	Lead wire	Y45 638 281	1	\triangle	CN202-CN300



Symbol	Screw name		
а	PTT screw 4x10		
b	PTT screw 4x14		
С	PT screw 4x14		

 $\begin{tabular}{ll} * shows accessory parts. \end{tabular}$

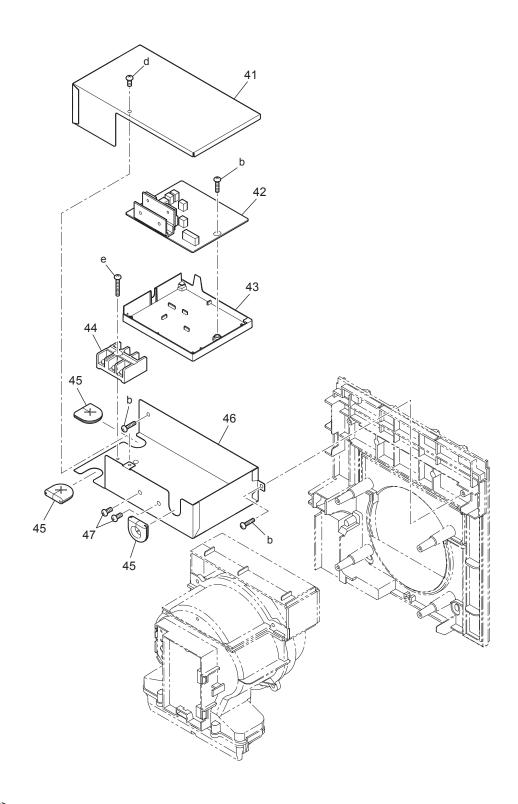
No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
1	Lock washer (4)	H00 013 076	3		
2	PT screw 4×6 BS	H00 009 008	1		
3	Decorated panel	Y45 638 813	1		
4	Front panel	Y45 638 814	1		
5	Duct	Y45 638 812	1		
6	Filter	Y45 638 804	1	⚠	
7	Intake air duct	Y45 638 809	1		
8	Base	Y45 638 806	1		
9	Fix plate	M45 692 809	1		
10	Special screw 4×14	M34 660 018	2		
11	Fix plate	M45 692 823	1		
12	Parts in bag	Y45 638 049	1		



<Standard screws>

Symbol	Screw name
b	PTT screw 4x14

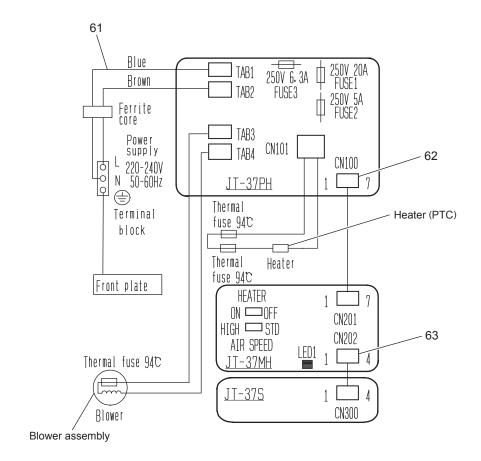
No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
21	Circuit board	Y45 638 172	1	Æ	JT-37MH
22	Earth fix plate	M45 641 802	1		
23	Blower cover	Y45 638 808	1		
24	Cord bush	M45 692 229	1		
25	Heater fitting	M45 692 821	2		
26	Heater (PTC)	Y45 638 283	1	⚠	94°C·With the thermal fuses
27	Packing	M45 692 228	1		
28	Nozzle	Y45 638 810	1	⚠	
29	Circuit board	Y45 638 173	1	\triangle	JT-37S
30	Sensor fix plate	Y45 638 801	1		
31	Blower stopper	Y45 627 227	1		
32	Blower assembly	Y45 638 800	1	\triangle	
33	Packing	Y45 638 228	1		
34	Floating rubber	Y45 638 227	1		
35	Blower case	Y45 638 807	1		
36	PT screw 4×8 BS	H00 011 008	2		



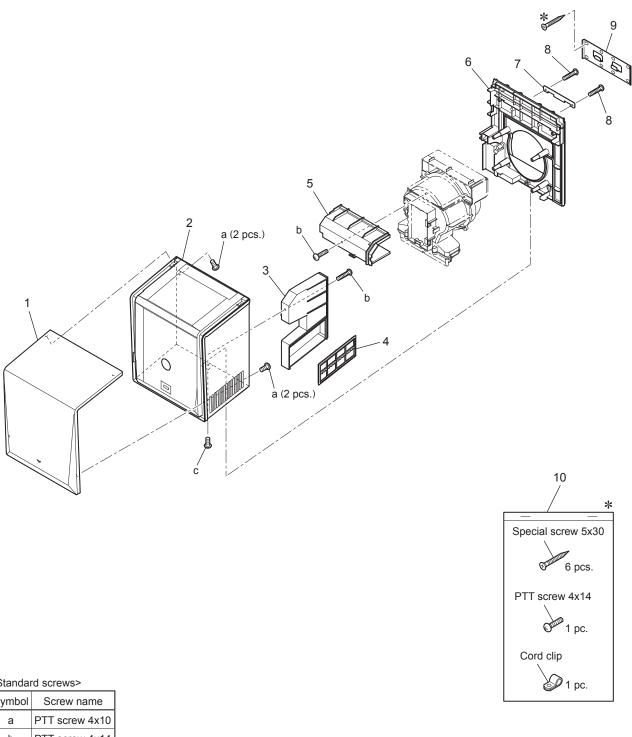
<Standard screws>

Symbol	Screw name		
b	PTT screw 4x14		
d	PTT screw 4x6		
е	PPT screw 4x25		

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
41	Circuit board cover	Y45 638 803	1		
42	Circuit board	Y45 638 171	1	\triangle	JT-37PH
43	PCB fix plate	Y45 627 807	1		
44	Terminal block	Y45 631 242	1	⚠	3P
45	Cord bush	M45 649 226	3		
46	Circuit board case	Y45 638 802	1		
47	SW-PW · PP screw M4	M45 611 038	2		



No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
61	Lead wire	Y45 638 284	1	⚠	With the ferrite core
62	Lead wire	Y45 638 280	1	\triangle	CN100-CN201
63	Lead wire	Y45 638 281	1	\triangle	CN202-CN300

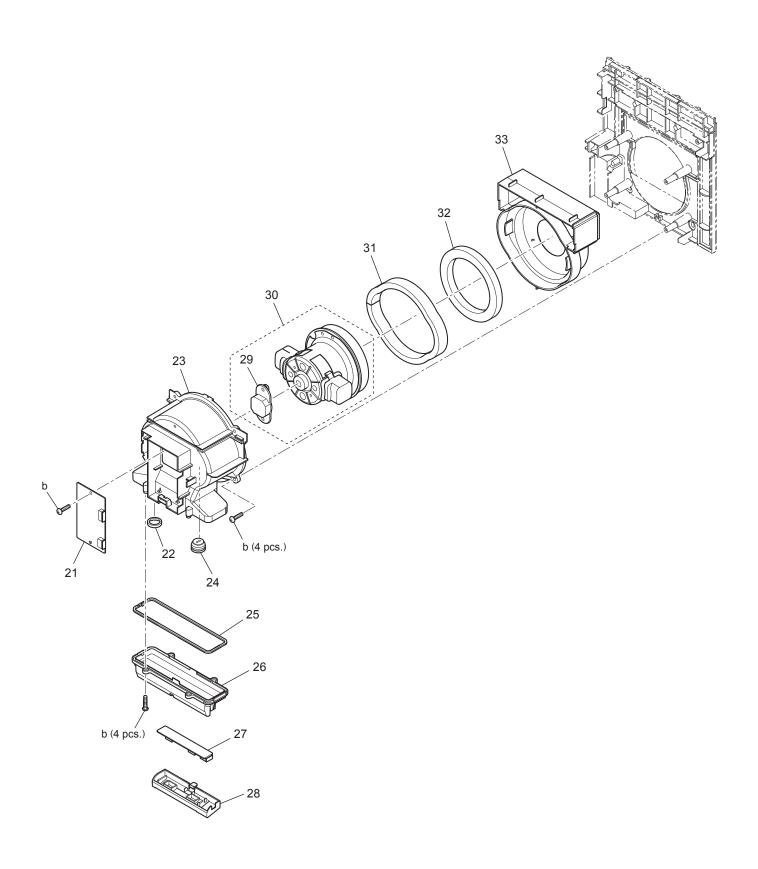


Symbol	Screw name		
а	PTT screw 4x10		
b	PTT screw 4x14		
С	PT screw 4x14		

* shows accessory parts.

JT-S2A-W-NE

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
1	Decorated panel	Y45 639 806	1		
2	Front panel	Y45 638 811	1		
3	Duct	Y45 638 812	1		
4	Filter	Y45 638 804	1	\triangle	
5	Intake air duct	Y45 638 809	1		
6	Base	Y45 638 806	1		
7	Fix plate	M45 692 809	1		
8	Special screw 4×14	M34 660 018	2		
9	Fix plate	M45 692 823	1		
10	Parts in bag	Y45 638 049	1		

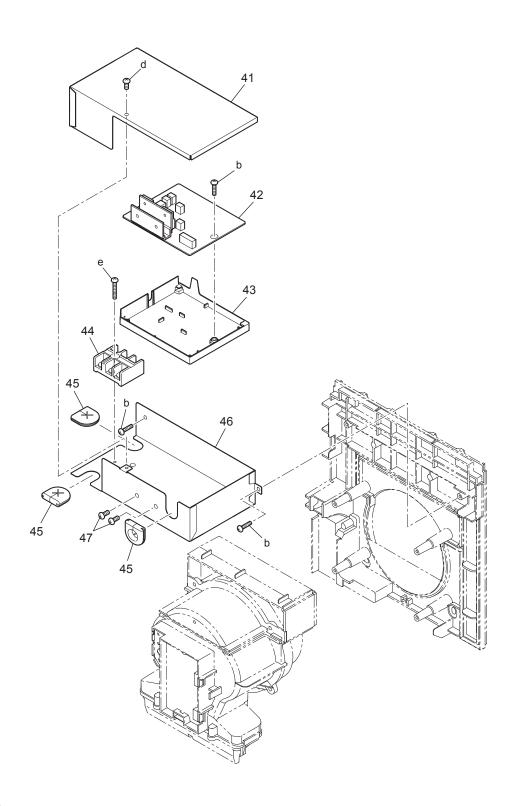


<Standard screws>

Symbol	Screw name
b	PTT screw 4x14

JT-S2A-W-NE

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
21	Circuit board	Y45 639 172	1	Λ	JT-37M
22	O ring	Y45 639 222	1	\triangle	
23	Blower cover	Y45 638 808	1		
24	Cord bush	M45 692 229	1		
25	Packing	M45 692 228	1		
26	Nozzle	Y45 638 810	1	⚠	
27	Circuit board	Y45 638 173	1	\triangle	JT-37S
28	Sensor fix plate	Y45 638 801	1		
29	Blower stopper	Y45 627 227	1		
30	Blower assembly	Y45 638 800	1	\triangle	
31	Packing	Y45 638 228	1		
32	Floating rubber	Y45 638 227	1		
33	Blower case	Y45 638 807	1		

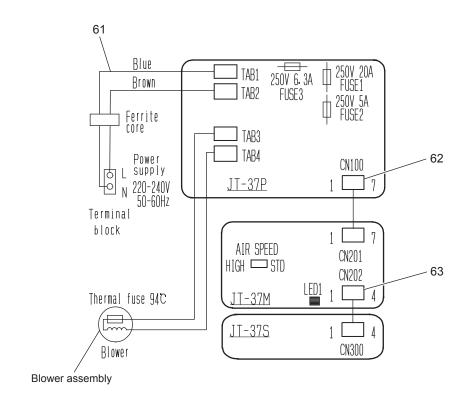


<Standard screws>

Symbol	Screw name		
b	PTT screw 4x14		
d	PTT screw 4x6		
е	PPT screw 4x25		

JT-S2A-W-NE

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
41	Circuit board cover	Y45 638 803	1		
42	Circuit board	Y45 639 171	1	\triangle	JT-37P
43	PCB fix plate	Y45 627 807	1		
44	Terminal block	Y45 627 242	1	\triangle	
45	Cord bush	M45 649 226	3		
46	Circuit board case	Y45 638 802	1		
47	SW-PW ·PP screw M4	M45 611 038	2		



JT-S2A-W-NE

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
61	Lead wire	Y45 638 284	1	⚠	With the ferrite core
62	Lead wire	Y45 638 280	1	\triangle	CN100-CN201
63	Lead wire	Y45 638 281	1	\triangle	CN202-CN300