

INDOOR UNIT SERVICE MANUAL

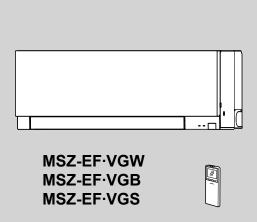
No. OBH831

Models

MSZ-EF18VGW/B/S - ET MSZ-EF22VGW/B/S - E1 E1 MSZ-EF25VGW/B/S - ET ET MSZ-EF35VGW/B/S - ET ETT MSZ-EF42VGW/B/S - ET ETT MSZ-EF50VGW/B/S - ET ETT

> Outdoor unit service manual MUZ-EF-VG(H) Series (OBH832) MXZ-D-VA Series (OBH626) MXZ-C·VA Series (OB584)

MXZ-8B Series (OCH480)



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PARTS CATALOG (OBB831)

Use the specified refrigerant only

Never use any refrigerant other than that specified.

Doing so may cause a burst, an explosion, or fire when the unit is being used, serviced, or disposed of. Correct refrigerant is specified in the manuals and on the spec labels provided with our products. We will not be held responsible for mechanical failure, system malfunction, unit breakdown or accidents caused by failure to follow the instructions.

<Pre><Preparation before the repair service>

- · Prepare the proper tools.
- Prepare the proper protectors.
- Provide adequate ventilation.
- After stopping the operation of the air conditioner, turn off the power-supply breaker and remove the power plug.
- Discharge the capacitor before the work involving the electric parts.

<Pre><Pre>cautions during the repair service>

- Do not perform the work involving the electric parts with wet hands.
- Do not pour water into the electric parts.
- Do not touch the refrigerant.
- Do not touch the hot or cold areas in the refrigeration cycle.
- When the repair or the inspection of the circuit needs to be done without turning off the power, exercise great caution not to touch the live parts.

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TECHNICAL CHANGES

The following models are compatible with the outdoor units with low standby power control.

Connecting the following models to the MUZ-EF-VG(H) series outdoor units enables the low standby power control.

The following models may be connected to the **MUZ-EF·VG(H)** series after once connected to the **MXZ series** and operated, for example because of relocation. In that case, the **MUZ-EF·VG(H)** series outdoor units will not operate without taking a step. Follow the procedure "Deleting the memorized abnormal condition" described in 10-2.1.

MSZ-EF18VGW/B/S -E1

MSZ-EF22VGW/B/S -E1, - ET1

MSZ-EF25VGW/B/S -E1, - ET1

MSZ-EF35VGW/B/S -E1, - ET1

MSZ-EF42VGW/B/S -E1, - ET1

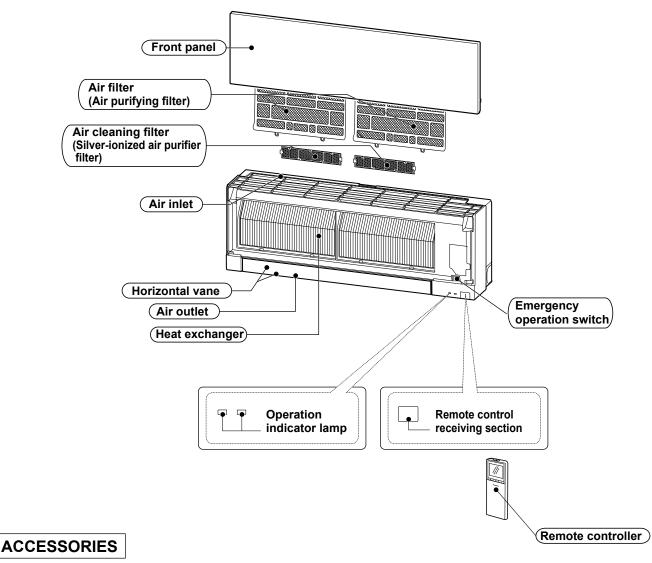
MSZ-EF50VGW/B/S -E1, - ET1

1. New model

OBH831

PART NAMES AND FUNCTIONS

MSZ-EF18VGW MSZ-EF22VGW MSZ-EF25VGW MSZ-EF42VGW MSZ-EF35VGW MSZ-EF50VGW MSZ-EF18VGB MSZ-EF22VGB MSZ-EF25VGB MSZ-EF35VGB MSZ-EF42VGB MSZ-EF50VGB MSZ-EF18VGS **MSZ-EF22VGS** MSZ-EF25VGS MSZ-EF35VGS MSZ-EF42VGS **MSZ-EF50VGS**



	Model	MSZ-EF18VGW MSZ-EF18VGB MSZ-EF18VGS MSZ-EF22VGW MSZ-EF22VGB MSZ-EF22VGS MSZ-EF25VGW MSZ-EF25VGB MSZ-EF25VGS MSZ-EF35VGW MSZ-EF35VGB MSZ-EF35VGS MSZ-EF42VGW MSZ-EF42VGB MSZ-EF42VGS MSZ-EF50VGW MSZ-EF50VGB MSZ-EF50VGS
1	Installation plate	1
2	Installation plate fixing screw 4 × 25 mm	5
3	Battery (AAA) for remote controller	2
4	Wireless remote controller	1
(5)	Felt tape (For left or left-rear piping)	1
6	Soft dry cloth (VGB type only)	1
7	Air cleaning filter	2

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SPECIFICATION

Indoor model					MSZ-EF18VGW MSZ-EF18VGB MSZ-EF18VGS	MSZ-EF22VGW MSZ-EF22VGB MSZ-EF22VGS	MSZ-EF25VGW MSZ-EF25VGB MSZ-EF25VGS	MSZ-EF35VGW MSZ-EF35VGB MSZ-EF35VGS
		Pov	ver supply			Single phase	230 V, 50 Hz	
_	Power input Cooling W			20				
ica	* 1		Heating	VV	26		30	
Electrical data	Running current *1		Cooling	A	0.20			
<u>ш </u>			Heating	/ /		0.26		0.29
_	Model		T				0J40	
Fan motor	Curre	nt * 1	Cooling	A			.20	1
			Heating			0.26	00 405	0.29
	ensions	5 VV × I	υ×υ	mm			99 × 195 1.5	
Weig	Air dir	ootion		kg		-i-	5	
	All Ulf	CUUN	Super High				30	
		C	High				98	
		Cooling	Med.	m³/h			78	
		Ö	Low	1 /	276			
	Š		Silent	1	240			
	Airflow		Super High		714		762	
		Heating	High		534			
			Med.	m³/h	372			
			Low] [276			
			Silent				40	
			Super High		42			
		ing	High	J	36			1
кs	_	Sound level	Med.	dB(A)	29			30
ma	eve		Low	-	23 19			24
ē	р П		Super High		45			46
Special remarks	lnog	D	High	-	37		38	
Sp	(0)	Heating	Med.	dB(A)	29		30	
		Hee	Low		29 30			
			Silent	1			 21	
			Super High				200	
		б	High	1			90	
		Cooling	Med.	rpm		8	00	
	pe	ပိ	Low] [630			
	be		Silent		570			
	Fan speed		Super High					1,400
	ш	ing	High				050	
		Heating	Med.	rpm			90	
			Low	-			30	
	Fon :		Silent				70	
			egulator			<u>5</u> W,S: SG19A		
Remote controller model							G19B	

NOTE: Test conditions are based on ISO 5151.

Cooling: Indoor Dry-bulb temperature 27°C Wet-bulb temperature 19°C

Outdoor Dry-bulb temperature 35°C

Heating: Indoor Dry-bulb temperature 20°C

Outdoor Dry-bulb temperature 7°C Wet-bulb temperature 6°C

*1 Measured under rated operating frequency.

Specifications and rated conditions of main electric parts

Fuse	(F11)	T3.15AL250V
Horizontal vane motor	(MV)	12 V DC
Varistor	(NR11)	470 V
Terminal block	(TB)	3P

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Indoor model			MSZ-EF42VGW MSZ-EF42VGB MSZ-EF42VGS	MSZ-EF50VGW MSZ-EF50VGB MSZ-EF50VGS		
			ver supply		Single phase	
_	Power input Cooling		- w ∤	23	23	
Electrical data	* 1		Heating		33	43
lect ata	Runni curren	ng	Cooling	A	0.23	0.23
шΰ			Heating		0.31	0.39
	Model		0 1:		RC0	
Fan motor	Currer	nt * 1	Cooling	Α	0.23	0.23
	ensions	. \\/ ~	Heating	mm	0.31 885 × 29	0.39
Weig		5 VV ^ I	п ^ D	mm kg	11	
vveig	Air dir	ection		l kg		
	7 11 011	500011	Super High		672	678
		б	High	1	534	552
		Cooling	Med.	m³/h	462	474
		Ŝ	Low		396	408
	ě		Silent	1	34	
	Airflow		Super High	m³/h	792	876
		Б	High		594	666
			Med.		468	540
			Low		378	432
			Silent		330	384
		Sound level Heating Cooling	Super High	dB(A)	43	43
			High		39	40
ş			Med.		35	36
nar	se		Low		31	33
Special remarks	d le		Silent		28	30
cial	l no		Super High		48	49
Spe	S		High		41	43
"		lea	Med.		35	37
		+	Low Silent		30 28	33 30
			Super High		1,260	1,270
		0	High		1,050	1,080
		Cooling	Med.	rpm	930	950
	₀	Ö	Low	- 'P'''	830	850
	See		Silent	1	75	
	Fan speed		Super High		1,440	1,570
	Fa	б	High	1	1,140	1,250
		Heating	Med.	rpm	940	1,060
		L e	Low]	800	890
			Silent	<u> </u>	720	810
	Fan speed regulator				5	
Rem	ote cor	ntrolle	model		W,S: S	
Remote controller model					B: SC	319B

NOTE: Test conditions are based on ISO 5151.

Cooling: Indoor Dry-bulb temperature 27°C Wet-bulb temperature 19°C

Outdoor Dry-bulb temperature 35°C Heating: Indoor Dry-bulb temperature 20°C

Outdoor Dry-bulb temperature 7°C Wet-bulb temperature 6°C

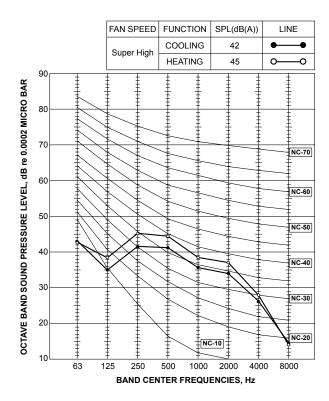
 $*1$ Measured under rated operating frequency.

Specifications and rated conditions of main electric parts

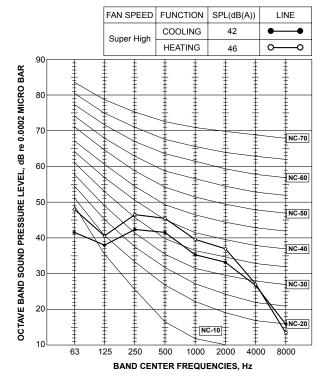
Fuse	(F11)	T3.15AL250V
Horizontal vane motor	(MV)	12 V DC
Varistor	(NR11)	470 V
Terminal block	(TB)	3P

NOISE CRITERIA CURVES

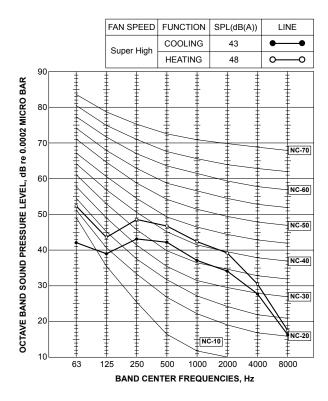
MSZ-EF18VGW MSZ-EF22VGW MSZ-EF25VGW MSZ-EF18VGB MSZ-EF22VGB MSZ-EF25VGB MSZ-EF18VGS MSZ-EF25VGS



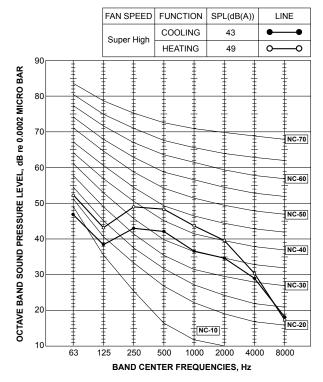
MSZ-EF35VGW MSZ-EF35VGB MSZ-EF35VGS



MSZ-EF42VGW MSZ-EF42VGB MSZ-EF42VGS

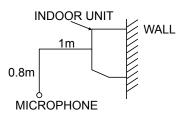


MSZ-EF50VGW MSZ-EF50VGB MSZ-EF50VGS



Test conditions

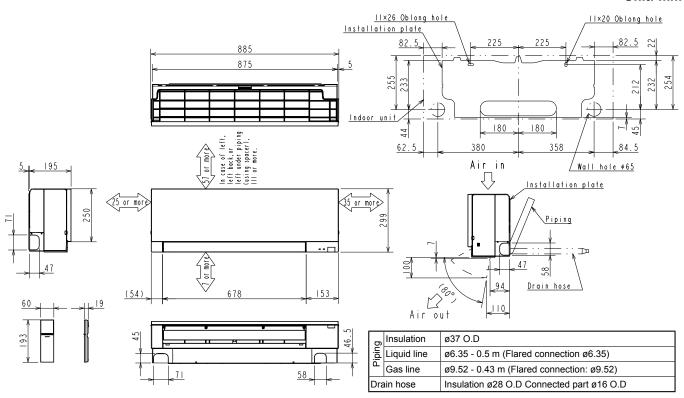
Cooling: Dry-bulb temperature 27 °C Wet-bulb temperature 19 °C Heating: Dry-bulb temperature 20 °C



OUTLINES AND DIMENSIONS

MSZ-EF18VGW MSZ-EF22VGW MSZ-EF25VGW MSZ-EF35VGW MSZ-EF42VGW MSZ-EF50VGW MSZ-EF18VGB MSZ-EF22VGB MSZ-EF25VGB MSZ-EF35VGB MSZ-EF42VGB MSZ-EF50VGB MSZ-EF18VGS **MSZ-EF22VGS MSZ-EF25VGS** MSZ-EF35VGS MSZ-EF42VGS MSZ-EF50VGS

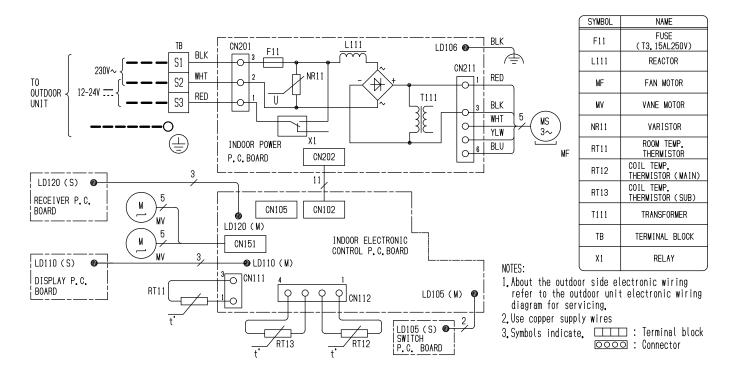
Unit: mm



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WIRING DIAGRAM

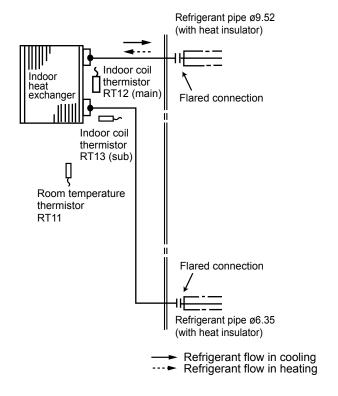
MSZ-EF18VGW MSZ-EF50VGW **MSZ-EF22VGW** MSZ-EF25VGW MSZ-EF35VGW MSZ-EF42VGW MSZ-EF18VGB MSZ-EF22VGB MSZ-EF25VGB MSZ-EF35VGB MSZ-EF42VGB MSZ-EF50VGB MSZ-EF18VGS **MSZ-EF22VGS** MSZ-EF50VGS **MSZ-EF25VGS MSZ-EF35VGS MSZ-EF42VGS**



REFRIGERANT SYSTEM DIAGRAM

MSZ-EF18VGW **MSZ-EF22VGW** MSZ-EF25VGW MSZ-EF35VGW MSZ-EF42VGW MSZ-EF50VGW MSZ-EF18VGB MSZ-EF22VGB MSZ-EF25VGB MSZ-EF35VGB MSZ-EF42VGB MSZ-EF50VGB MSZ-EF18VGS **MSZ-EF22VGS** MSZ-EF25VGS MSZ-EF42VGS **MSZ-EF50VGS MSZ-EF35VGS**

Unit: mm



SERVICE FUNCTIONS

MSZ-EF18VGW	MSZ-EF22VGW	MSZ-EF25VGW	MSZ-EF35VGW	MSZ-EF42VGW	MSZ-EF50VGW
MSZ-EF18VGB	MSZ-EF22VGB	MSZ-EF25VGB	MSZ-EF35VGB	MSZ-EF42VGB	MSZ-EF50VGB
MSZ-FF18VGS	MSZ-FF22VGS	MSZ-FF25VGS	MSZ-FF35VGS	MSZ-FF42VGS	MSZ-FF50VGS

8-1. TIMER SHORT MODE

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For service, the following set time can be shortened by bridging JPG and JPS on the electronic control P.C. board. (Refer to 10-7.)

- The set time for the ON/OFF timer can be reduced to 1 second for each minute.
- After the breaker is turned on, the time for starting the compressor, which normally takes 3 minutes, can be reduced to 1 minute. Restarting the compressor, which takes 3 minutes, cannot be reduced.

8-2. HOW TO SET REMOTE CONTROLLER EXCLUSIVELY FOR A PARTICULAR INDOOR UNIT

A maximum of 4 indoor units with wireless remote controllers can be used in a room.

To operate the indoor units individually with each remote controller, assign a number to each remote controller according to the number of the indoor unit.

This setting can be set only when all the following conditions are met:

- The remote controller is powered OFF.
- · Weekly timer is not set.
- · Weekly timer is not being edited.
- (1) Hold down 1~4 button on the remote controller for 2 seconds to enter the pairing mode.
- (2) Press 1 4 button again and assign a number to each remote controller. Each press of 1 4 button advances the number in the following order: $1 \rightarrow 2 \rightarrow 3 \rightarrow 4$.
- (3) Press SET button to complete the pairing setting.

After you turn the breaker ON, the remote controller that first sends a signal to an indoor unit will be regarded as the remote controller for the indoor unit.

Once they are set, the indoor unit will only receive the signal from the assigned remote controller afterwards.

8-3. AUTO RESTART FUNCTION

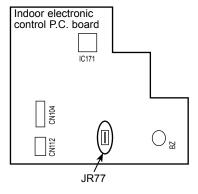
When the indoor unit is controlled with the remote controller, the operation mode, the set temperature, and the fan speed are memorized by the indoor electronic control P.C. board. "AUTO RESTART FUNCTION" automatically starts operation in the same mode just before the shutoff of the main power.

Operation

- ① If the main power has been cut, the operation settings remain.
- ② After the power is restored, the unit restarts automatically according to the memory. (However, it takes at least 3 minutes for the compressor to start running.)

How to disable "AUTO RESTART FUNCTION"

- ① Turn off the main power for the unit.
- ② Cut the jumper wire to JR77 on the indoor electronic control P.C. board. (Refer to 10-7.)



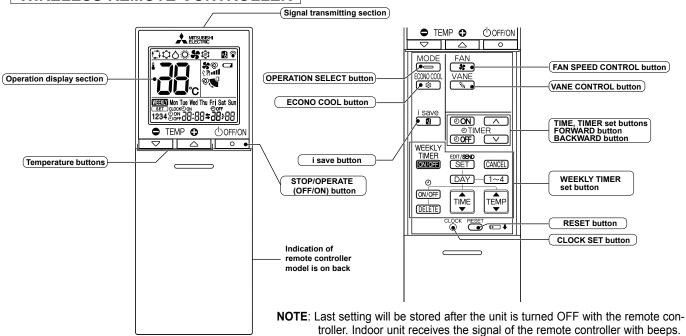
NOTE:

- The operation settings are memorized when 10 seconds have passed after the indoor unit was operated with the remote controller.
- If main power is turned OFF or a power failure occurs while AUTO START/STOP timer is active, the timer setting is cancelled.
- If the unit has been off with the remote controller before power failure, the auto restart function does not work as the power button of the remote controller is OFF.
- To prevent breaker OFF due to the rush of starting current, systematize other home appliance not to turn ON at the same time
- When some air conditioners are connected to the same supply system, if they are operated before power failure, the starting current of all the compressors may flow simultaneously at restart.
 - Therefore, the special counter-measures are required to prevent the main voltage-drop or the rush of the starting current by adding to the system that allows the units to start one by one.

MICROPROCESSOR CONTROL

MSZ-EF18VGW MSZ-EF22VGW MSZ-EF25VGW MSZ-EF35VGW MSZ-EF42VGW MSZ-EF50VGW MSZ-EF18VGB MSZ-EF22VGB MSZ-EF25VGB MSZ-EF35VGB MSZ-EF42VGB MSZ-EF50VGB MSZ-EF18VGS MSZ-EF22VGS MSZ-EF25VGS MSZ-EF35VGS MSZ-EF42VGS MSZ-EF50VGS

WIRELESS REMOTE CONTROLLER



INDOOR UNIT DISPLAY SECTION

Operation Indicator lamp

The operation indicator at the right side of the indoor unit indicates the operation state.

•The following indication applies regardless of shape of the indication.

Indication	Operation state	Room temperature	
* *	The unit is operating to reach the set temperature	About 2°C or more away from set temperature	- ∳ - Lit
* 0	The room temperature is approaching the set temperature	About 1 to 2°C from set temperature	-☆- Blinking ○ Not lit
→ - >	Standby mode (Only during multi system operation)	_	

9-1. COOL (🗘) OPERATION

- (1) Press / STOP/OPERATE (OFF/ON) button.
 - OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
- (2) Select COOL mode with OPERATION SELECT button.
- (3) Press TEMPERATURE buttons TEMP ⊕ or ⊕ button to select the desired temperature. The setting range is 16 31°C.

1. Coil frost prevention

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the coil from frosting.

When the temperature of indoor heat exchanger becomes too low, the coil frost prevention mode works.

The indoor fan operates at the set speed and the compressor stops. This mode continues until the temperature of indoor heat exchanger rises.

2. Low outside temperature operation

When the outside temperature is lower, low outside temperature operation starts, and the outdoor fan slows or stops.

3. Indoor fan speed control

When the thermostat turns OFF, the indoor fan operates very Low to reduce power consumption.

When the room temperature rises and the thermostat is ON, the indoor fan operates according to the settings on the remote controller.

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9-2. DRY (A) OPERATION

- (1) Press STOP/OPERATE (OFF/ON) button.
 - OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
- (2) Select DRY mode with OPERATION SELECT button.
- (3) The set temperature is determined from the initial room temperature.

1. Coil frost prevention

Coil frost prevention works the same way as that in COOL mode. (9-1.1.)

2. Low outside temperature operation

Low outside temperature operation works the same way as that in COOL mode. (9-1.2.)

3. Indoor fan speed control

Indoor fan speed control works the same way as that in COOL mode. (9-1.3.)

9-3. FAN (%) OPERATION

- (1) OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.
- (2) Select FAN mode with OPERATION SELECT button.
- (3) Select the desired fan speed. When AUTO, it becomes Low.

Only indoor fan operates.

Outdoor unit does not operate.

9-4. HEAT (©) OPERATION

(1) Press STOP/OPERATE (OFF/ON) button.

OPERATION INDICATOR lamp of the indoor unit turns on with a beep tone.

- (2) Select HEAT mode with OPERATION SELECT button.
- (3) Press TEMPERATURE buttons TEMP ⊕ or ⊕ button to select the desired temperature. The setting range is 16 31°C.

1. Cold air prevention control

When the compressor is not operating or is starting, and the temperature of indoor heat exchanger and/or the room temperature is low or when defrosting is being done, the indoor fan will stop or rotate in Very Low speed.

2. High pressure protection

The compressor operational frequency is controlled by the temperature of the indoor heat exchanger to prevent the condensing pressure from increasing excessively.

When the temperature of indoor heat exchanger becomes too high, the high pressure protection works.

The indoor fan operates following the cold air prevention control. This mode continues until the temperature of indoor heat exchanger falls.

3. Defrostina

Defrosting starts when the temperature of outdoor heat exchanger becomes too low.

The compressor stops once, the indoor/outdoor fans stop, the 4-way valve reverses, and the compressor re-starts.

This mode continues until the temperature of outdoor heat exchanger rises or the fixed time passes.

9-5. AUTO CHANGE OVER ··· AUTO MODE OPERATION

Once desired temperature is set, unit operation is switched automatically between COOL and HEAT operation.

Mode selection

(1) Initial mode

When unit starts the operation with AUTO operation from OFF:

- If the room temperature is higher than the set temperature, operation starts in COOL mode.
- If the room temperature is equal to or lower than the set temperature, operation starts in HEAT mode.
- (2) Mode change

COOL mode changes to HEAT mode when about 15 minutes have passed with the room temperature 1°C below the set temperature.

HEAT mode changes to COOL mode when about 15 minutes have passed with the room temperature 1°C above the set temperature.

NOTE 1

If 2 or more indoor units are operating in multi system, there might be a case that the indoor unit, which is operating in \Box (AUTO), cannot change over to the other operating mode (COOL \leftrightarrow HEAT) and becomes a state of standby. Refer to **NOTE 2 "FOR MULTI SYSTEM AIR CONDITIONER"**.

NOTE 2

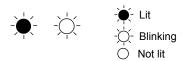
FOR MULTI SYSTEM AIR CONDITIONER

OUTDOOR UNIT: MXZ series

Multi system air conditioner can connect 2 or more indoor units with one outdoor unit.

• When you try to operate 2 or more indoor units with one outdoor unit simultaneously, one for the cooling and the others for heating, the operation mode of the indoor unit that operates first is selected. Other indoor units cannot operate, and operation indicator lamp blinks as shown in the figure below. In this case, please set all the indoor units to the same operation mode.

OPERATION INDICATOR



- When indoor unit starts the operation while the defrosting of outdoor unit is being done, it takes a few minutes (max. 10 minutes) to blow out the warm air.
- In the heating operation, though indoor unit that does not operate may get warm or the sound of refrigerant flowing may be heard, they are not malfunction. The reason is that the refrigerant continuously flows into it.

9-6. AUTO VANE OPERATION

1. Horizontal vane

(1) Vane motor drive

These models are equipped with a stepping motor for the horizontal vane. The rotating direction, speed, and angle of the motor are controlled by pulse signals (approximately 12 V) transmitted from indoor microprocessor.

(2) The horizontal vane angle and mode change as follows by pressing VANE CONTROL button.

$$\longrightarrow AUTO @ \longrightarrow 1 \stackrel{\square}{-} \longrightarrow 2 \stackrel{\square}{-} \longrightarrow 3 \stackrel{\square}{-} \longrightarrow 4 \stackrel{\square}{/} \longrightarrow 5 \stackrel{\square}{/} \longrightarrow SWING \stackrel{\square}{\sim} \bigcirc$$

(3) Positioning

To confirm the standard position, the vane moves until it touches the vane stopper. Then the vane is set to the selected angle.

Confirming of standard position is performed in the following cases:

- (a) When the operation starts or finishes (including timer operation).
- (b) When the test run starts.
- (c) When standby mode (only during multi system operation) starts or finishes.
- (4) VANE AUTO (@) mode

In VANE AUTO mode, the microprocessor automatically determines the vane angle to make the optimum room temperature distribution.

In COOL and DRY operation

Vane angle is fixed to Horizontal position.



In HEAT operation

Vane angle is fixed to Angle 4.



(5) STOP (operation OFF) and ON TIMER standby

In the following cases, the horizontal vane returns to the closed position.

- (a) When STOP/OPERATE (OFF/ON) button is pressed (POWER OFF).
- (b) When the operation is stopped by the emergency operation.
- (c) When ON TIMER is ON standby.
- (6) Dew prevention

During COOL or DRY operation with the vane angle at Angle 4 or 5 when the compressor cumulative operation time exceeds 1 hour, the vane angle automatically changes to Angle 1 for dew prevention.

(7) SWING (mode)

By selecting SWING mode with VANE CONTROL button, the horizontal vanes swing vertically.

When COOL, DRY or FAN mode is selected, only the upper vane swings.

(8) Cold air prevention in HEAT operation

The horizontal vane position is set to Upward.

NOTE: When 2 or more indoor units are operated with multi outdoor unit, even if any indoor unit turns thermostat off, this control does not work in the indoor unit.

(9) ECONO COOL (意) operation (ECONOmical operation)

When ECONO COOL button is pressed in COOL mode, set temperature is automatically set 2°C higher by micro-processor. However, the temperature on the LCD screen on the remote controller is not changed.

Also the horizontal vane swings in various cycle.

SWING operation makes you feel cooler than set temperature. So, even though the set temperature is higher, the air conditioner can keep comfort. As a result, energy can be saved.

To cancel this operation, select a different mode or press one of the following buttons in ECONO COOL operation: ECONO COOL, or VANE CONTROL button.

9-7. TIMER OPERATION

1. How to set the time

(1) Check that the current time is set correctly.

NOTE: Timer operation will not work without setting the current time. Initially "0:00" blinks at the current time display of TIME MONITOR, so set the current time correctly with CLOCK SET button.

How to set the current time

- (a) Press the CLOCK set button.
- (b) Press the TIME SET buttons (and) to set the current time.
 - Each time FORWARD button () is pressed, the set time increases by 1 minute, and each time BACKWARD button () is pressed, the set time decreases by 1 minute.
 - Pressing those buttons longer, the set time increases/decreases by 10 minutes.
- (c) Press the CLOCK set button.
- (2) Press STOP/OPERATE (OFF/ON) button to start the air conditioner.
- (3) Set the time of timer.

ON timer setting

- (a) Press ON TIMER button(ON) during operation.
- (b) Set the time of the timer using TIME SET buttons (and). *

OFF timer setting

- (a) Press OFF TIMER button (@OFF) during operation.
- (b) Set the time of the timer using TIME SET buttons (and). *
- * Each time FORWARD button () is pressed, the set time increases by 10 minutes: each time BACKWARD button () is pressed, the set time decreases by 10 minutes.

2. To release the timer

To release ON timer, press ON TIMER button (OON).

To release OFF timer, press OFF TIMER button(@OFF).

TIMER is cancelled and the display of set time disappears.

PROGRAM TIMER

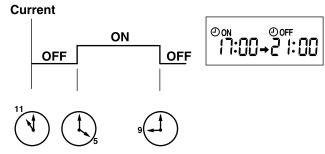
- OFF timer and ON timer can be used in combination. The set time that is reached first will operate first.
- " ← " and " → " display shows the order of OFF timer and ON timer operation.

(Example 1) The current time is 8:00 PM.

The unit turns off at 11:00 PM, and on at 6:00 AM.

(Example 2) The current time is 11:00 AM.

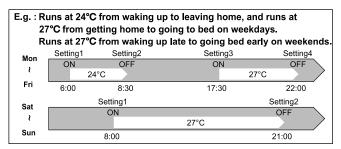
The unit turns on at 5:00 PM, and off at 9:00 PM.



NOTE: If the main power is turned OFF or a power failure occurs while ON/OFF timer is active, the timer setting is cancelled. As these models are equipped with an auto restart function, the air conditioner starts operating with timer cancelled when power is restored.

9-8. WEEKLY TIMER OPERATION

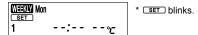
- · A maximum of 4 ON or OFF timers can be set for individual days of the week.
- · A maximum of 28 ON or OFF timers can be set for a week.



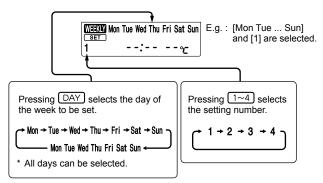
NOTE:

- The simple ON/OFF timer setting is available while the weekly timer is on. In this case, the ON/OFF timer has priority over the weekly timer; the weekly timer operation will start again after the simple ON/OFF timer is complete.
- When the weekly timer is set, temperature cannot be set to 10°C.
- The weekly timer operation and i-save operation cannot be used together.

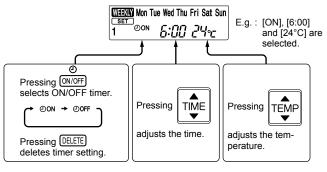
- 1. How to set the weekly timer
 * Make sure that the current time and day are set correctly.
- (1) Press SET button to enter the weekly timer setting mode.



(2) Press DAY and 1~4 buttons to select setting day and number.



(3) Press ON/OFF , TIME , and buttons to set ON/OFF, time, and temperature.



* Hold down the button to change the time quickly.

Press DAY and 1~4 buttons to continue setting the timer for other days and/or numbers.

(4) Press SET button to complete and transmit the weekly timer setting.

W∃∃XIV Mon Tue Wed Thu Fri Sat Sun inclock

SET which was blinking goes out, and the current time will be displayed.

NOTE:

- Press SET button to transmit the setting information of weekly timer to the indoor unit. Point the remote controller toward the indoor unit for 3 seconds.
- When setting the timer for more than one day of the week or one number, button does not have to be pressed per each setting. Press button once after all the settings are complete. All the weekly timer settings will be saved.
- Press SET button to enter the weekly timer setting mode, and press and hold DELETE button for 5 seconds to erase all weekly timer settings. Point the remote controller toward the indoor unit.
- (5) Press THER button to turn the weekly timer ON. (THE IN lights.)
 - •When the weekly timer is ON, the day of the week whose timer setting is complete, will light.

Press TIMER button again to turn the weekly timer OFF. (THE GOES OUT.)

NOTE:

The saved settings will not be cleared when the weekly timer is turned OFF.

2. Checking weekly timer setting

(1) Press SET button to enter the weekly timer setting mode.

*ISET blinks.

- (2) Press DAY or 1~4 buttons to view the setting of the particular day or number.
- (3) Press CANCEL button to exit the weekly timer setting.

NOTE:

When all days of the week are selected to view the settings and a different setting is included among them, --:- -- c will be displayed.

9-9. i-save (2) OPERATION

- 1. How to set i-save operation
 - (1) Press STOP/OPERATE (OFF/ON) button.
 - (2) Select COOL, HEAT or ECONO COOL mode.
 - (3) Press i-save button.
 - (4) Set the temperature, fan speed, and airflow direction for i-save operation.

NOTE:

- i-save operation cannot be selected during DRY or AUTO mode operation.
- The setting range of HEAT mode i-save operation is 10°C and 16 31°C.
- 2 groups of setting can be saved. (One for COOL/ECONO COOL, one for HEAT)
- i-save operation and the weekly timer operation cannot be used together.

2. How to cancel operation

- Press i-save button again.
- i-save operation can also be cancelled by pressing OPERATION SELECT button to change the operation mode.

The same setting is select from the next time by simply pressing i-save button.

9-10. EMERGENCY/TEST OPERATION

In the case of test run operation or emergency operation, use EMERGENCY OPERATION switch on the right side of the indoor unit. Emergency operation is available when the remote controller is missing or has failed, or the batteries in the remote controller are running down. The unit will start and OPERATION INDICATOR lamp will light up. The first 30 minutes of operation is the test run operation. This operation is for servicing. The indoor fan runs at High speed and the temperature control does not work.

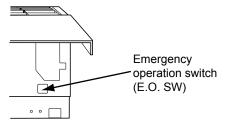
After 30 minutes of test run operation, the system shifts to EMERGENCY COOL/HEAT MODE with a set temperature of 24°C. The fan speed shifts to Med.

The coil frost prevention works even in the test run or the emergency operation.

In the test run or emergency operation, the horizontal vane operates in VANE AUTO (②) mode.

Emergency operation continues until EMERGENCY OPERATION switch is pressed once or twice or the unit receives any signal from the remote controller. In the latter case normal operation will start.

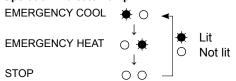
NOTE: Do not press EMERGENCY OPERATION switch during normal operation.



Operation mode	COOL/HEAT
Set temperature	24°C
Fan speed	Med.
Horizontal vane	Auto

The operation mode is indicated by the Operation Indicator lamp as following

Operation Indicator lamp



9-11. 3-MINUTE TIME DELAY OPERATION

When the system turns OFF, compressor will not restart for 3 minutes as 3-minute time delay function operates to protect compressor from overload.

TROUBLESHOOTING

MSZ-EF18VGW	MSZ-EF22VGW	MSZ-EF25VGW	MSZ-EF35VGW	MSZ-EF42VGW	MSZ-EF50VGW
MSZ-EF18VGB	MSZ-EF22VGB	MSZ-EF25VGB	MSZ-EF35VGB	MSZ-EF42VGB	MSZ-EF50VGB
MSZ-EF18VGS	MSZ-EF22VGS	MSZ-EF25VGS	MSZ-EF35VGS	MSZ-EF42VGS	MSZ-EF50VGS

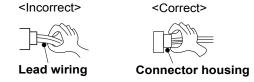
10-1. CAUTIONS ON TROUBLESHOOTING

1. Before troubleshooting, check the following

- 1) Check the power supply voltage.
- 2) Check the indoor/outdoor connecting wire for miswiring.

2. Take care of the following during servicing

- 1) Before servicing the air conditioner, be sure to turn OFF the main unit first with the remote controller, and then after confirming the horizontal vane is closed, turn OFF the breaker and/or disconnect the power plug.
- 2) Be sure to turn OFF the power supply before removing the front panel, the cabinet, the top panel, and the P.C. board.
- 3) When removing the P.C. board, hold the edge of the board with care NOT to apply stress on the components.
- 4) When connecting or disconnecting the connectors, hold the connector housing. DO NOT pull the lead wires.



3. Troubleshooting procedure

- 1) Check if the OPERATION INDICATOR lamp on the indoor unit is blinking ON and OFF to indicate an abnormality. To make sure, check how many times the OPERATION INDICATOR lamp is blinking ON and OFF before starting service work.
- 2) Before servicing, check that the connector and terminal are connected properly.
- 3) When the electronic control P.C. board seems to be defective, check the copper foil pattern for disconnection and the components for bursting and discoloration.
- 4) When troubleshooting, Refer to 10-2, 10-3 and 10-4.

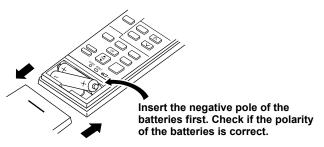
4. How to replace batteries

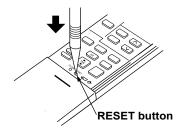
Weak batteries may cause the remote controller malfunction.

In this case, replace the batteries to operate the remote controller normally.

① Remove the front lid and insert batteries. Then reattach the front lid.

② Press RESET button with a thin instrument, and then use the remote controller.





NOTE: 1. If RESET button is not pressed, the remote controller may not operate correctly.

- This remote controller has a circuit to automatically reset the microcomputer when batteries are replaced.
 This function is equipped to prevent the microcomputer from malfunctioning due to the voltage drop caused by the battery replacement.
- 3. Do not use the leaking batteries.

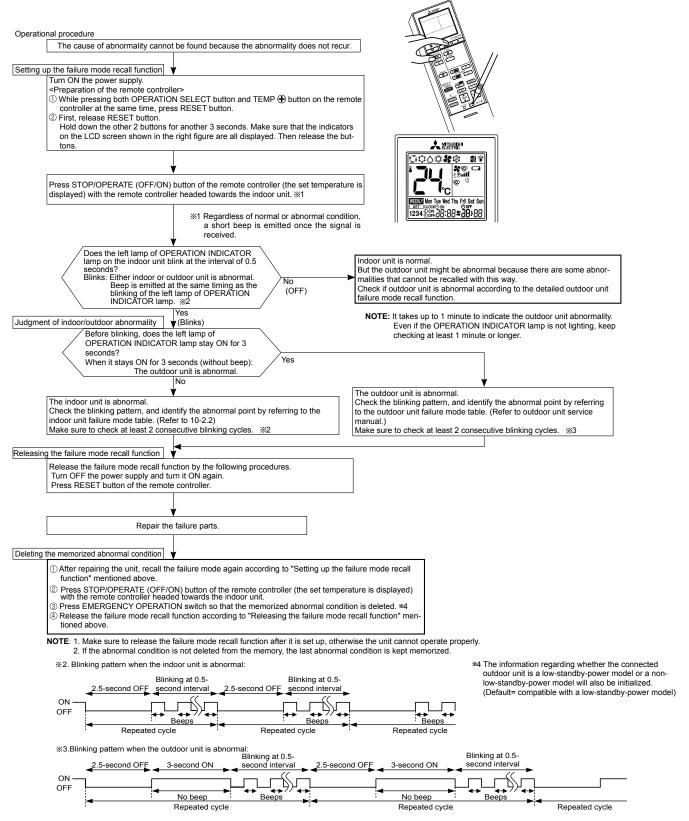
10-2. FAILURE MODE RECALL FUNCTION

Outline of the function

This air conditioner can memorize the abnormal condition which has occurred once.

Even though LED indication listed on the troubleshooting check table (10-4.) disappears, the memorized failure details can be recalled.

1. Flow chart of failure mode recall function for the indoor/outdoor unit

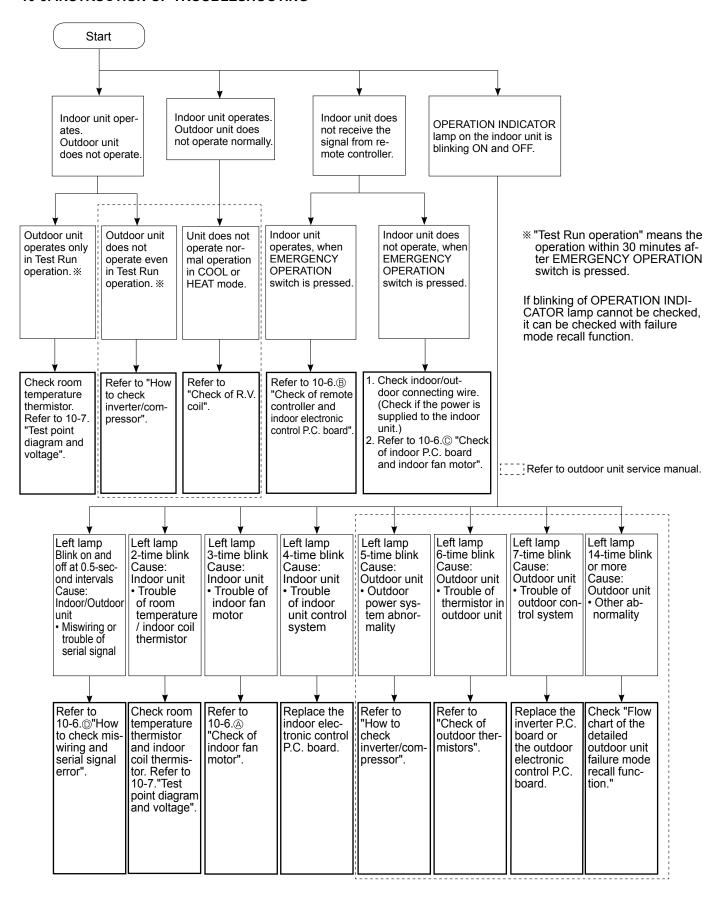


2. Table of indoor unit failure mode recall function

The left lamp of OPERATION INDI- CATOR lamp	Abnormal point (Failure mode)	Condition	Remedy	
Not lit	Normal	-	-	
1-time blink every 0.5-second Room temperature thermistor		The room temperature thermistor short or open circuit is detected every 8 seconds during operation.	Refer to the characteristics of the room temperature thermistor (10-7.).	
2-time blink 2.5-second OFF	Indoor coil thermistor	The indoor coil thermistor short or open circuit is detected every 8 seconds during operation.	Refer to the characteristics of the main indoor coil thermistor, the sub indoor coil thermistor (10-7.).	
3-time blink 2.5-second OFF	Serial signal	The serial signal from outdoor unit is not received for a maximum of 6 minutes.	Refer to 10-6. [©] "How to check miswiring and serial signal error".	
11-time blink 2.5-second OFF	Indoor fan motor	The rotational frequency feedback signal is not emitted for the 12 seconds after the indoor fan motor is operated.	Refer to 10-6. (a) "Check of indoor fan motor".	
12-time blink 2.5-second OFF	Indoor control system	It cannot properly read data in the nonvolatile memory of the indoor electronic control P.C. board.	Replace the indoor electronic control P.C. board.	

NOTE: Blinking patterns of this mode differ from the ones of TROUBLESHOOTING CHECK TABLE (10-4.).

10-3. INSTRUCTION OF TROUBLESHOOTING



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10-4. TROUBLESHOOTING CHECK TABLE

Before taking measures, make sure that the symptom reappears for accurate troubleshooting. When the indoor unit has started operation and detected an abnormality of the following condition (the first detection after the power ON), the indoor fan motor turns OFF and OPERATION INDICATOR lamp blinks.

OPERATION INDICATOR

★ Lit☆ Blinking○ Not lit

No.	Abnormal point	Operation indicator lamp	Symptom	Condition	Remedy	
1	Miswiring or serial signal	Left lamp blinks. 0.5-second ON ★○★○★○★○ 0.5-second OFF			The serial signal from the outdoor unit is not received for 6 minutes. The indoor unit is connected to a low-stand-by-power model after once connected to a non-low-standby-power model.	Refer to 10-6. "How to check miswiring and serial signal error". Refer to NOTE .
2	Indoor coil thermistor Room tem- perature thermistor	Left lamp blinks. 2-time blink		The indoor coil or the room temperature thermistor is short or open circuit.	Refer to the characteristics of indoor coil thermistor, and the room temperature thermistor (10-7.).	
3	Indoor fan motor	Left lamp blinks. 3-time blink		The rotational frequency feedback signal is not emitted during the indoor fan operation.	Refer to 10-6. "Check of indoor fan motor".	
4	Indoor con- trol system	Left lamp blinks. 4-time blink	Indoor unit and	It cannot properly read data in the nonvolatile memory of the indoor electronic control P.C. board.	Replace the indoor electronic control P.C. board.	
5	Outdoor power sys- tem	Left lamp blinks. 5-time blink	outdoor unit do not operate.	It consecutively occurs 3 times that the compressor stops for overcurrent protection or start-up failure protection within 1 minute after start-up.	Refer to "How to check of inverter/compressor". Refer to outdoor unit service manual Check the stop valve.	
6	Outdoor thermistors	Left lamp blinks. 6-time blink		The outdoor thermistors short or open circuit during the compressor operation.	Refer to "Check of outdoor thermistor". Refer to outdoor unit service manual.	
7	Outdoor control sys- tem	Left lamp blinks. 7-time blink		It cannot properly read data in the nonvolatile memory of the inverter P.C. board or the outdoor electronic control P.C. board.	Replace the inverter P.C. board or the outdoor electronic control P.C. board. Refer to outdoor unit service manual.	
8	Other ab- normality	Left lamp blinks. 14-time blink or more OCCUPATION OF COMMON OF		An abnormality other than above mentioned is detected.	Check the stop valve. Check the 4-way valve. Confirm the abnormality in detail using the failure mode recall function for outdoor unit.	
9	Outdoor control sys- tem	Left lamp lights up ₩	Outdoor unit does not oper- ate	It cannot properly read data in the nonvolatile memory of the inverter P.C. board or the outdoor electronic control P.C. board.	Check the blinking pattern of the LED on the inverter P.C. board or the outdoor electronic control P.C. board.	

NOTE: The indoor unit may have been connected to a non-low-standby-power model outdoor unit. To use a low-standby-power model, clear the error history by referring to "Deleting the memorized abnormal condition" described in 10-2.1. When the error history is being cleared, the connection information also will be initialized. The indoor unit will be compatible with a low-standby-power model after initialization. If the operation indicator lamp continues to blink as shown in No.1 after the procedure, refer to 10-6.

"How to check miswiring and serial error".

OPERATION INDICATOR





No.	Abnormal point	Operation indicator lamp	Symptom	Condition	Remedy
1	MXZ type Operation mode setting	Left lamp lights and lower lamp blinks.	indoor unit does	The operation mode of the each indoor unit is differently set to COOL (includes DRY) and HEAT at the same time, the operation mode of the indoor unit that has operated at first has the priority.	Unify the operation mode. Refer to outdoor unit service manual.

10-5. TROUBLE CRITERION OF MAIN PARTS

MSZ-EF18VGW MSZ-EF22VGW MSZ-EF25VGW MSZ-EF35VGW MSZ-EF42VGW MSZ-EF50VGW MSZ-EF18VGB MSZ-EF22VGB MSZ-EF25VGB MSZ-EF35VGB MSZ-EF42VGB MSZ-EF50VGB MSZ-EF18VGS **MSZ-EF22VGS MSZ-EF50VGS** MSZ-EF25VGS MSZ-EF35VGS MSZ-EF42VGS

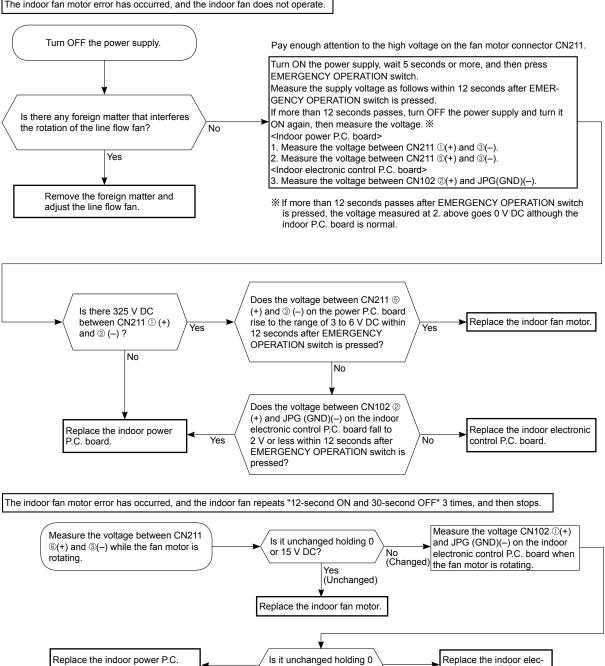
Part name	Part name Check method and criterion			Figure
Room temperature thermistor (RT11)	· ·			
Indoor coil thermistor (RT12, RT13)				
Indoor fan motor (MF)	r fan motor (MF) Check 10-6. (Check of indoor fan motor".			
Name and the ANN	Measure the resistance between (Temperature: 10 - 30°C)			
Vane motor (MV)	Color of the lead wire	Normal		
	RED - BLK	232 - 268 Ω		



10-6. TROUBLESHOOTING FLOW

A Check of indoor fan motor

The indoor fan motor error has occurred, and the indoor fan does not operate.



or 5 V DC?

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Yes (Unchanged) tronic control P.C. board.

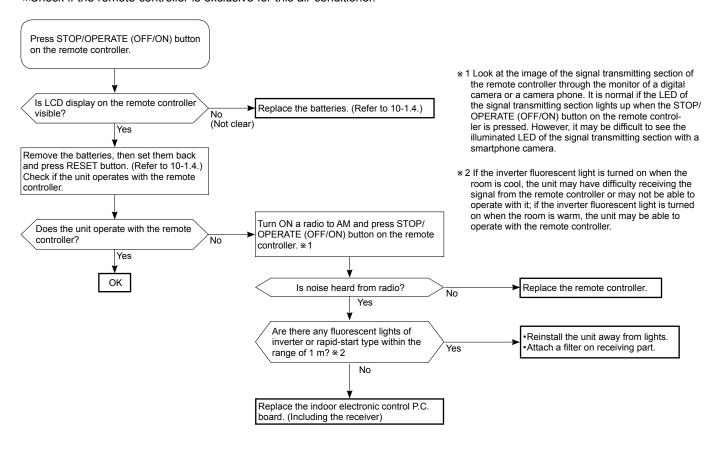
(Changed)

OBH831

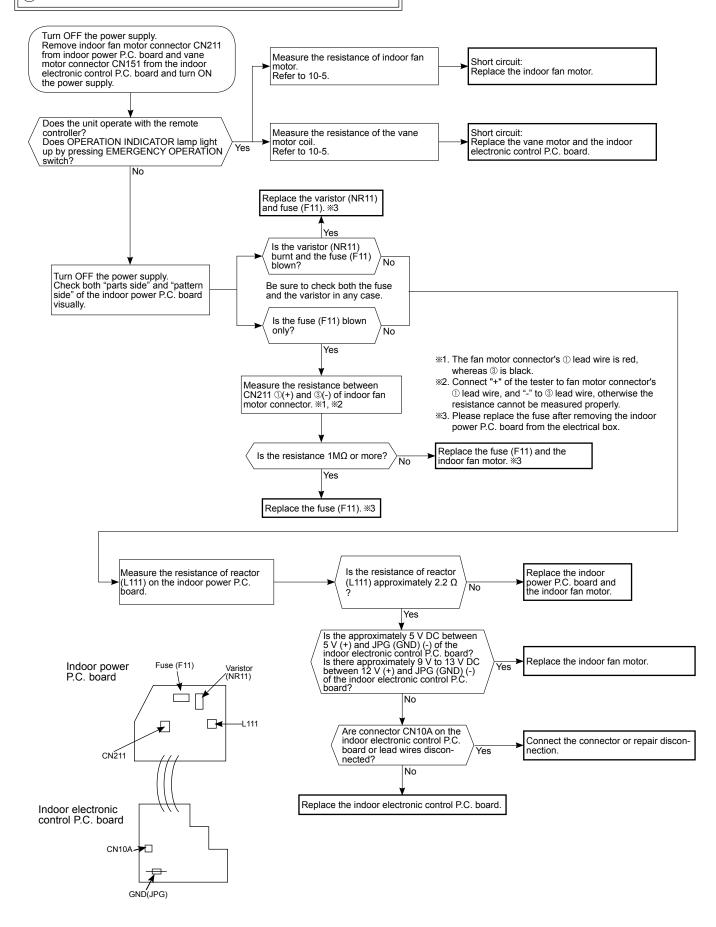
board.

B Check of remote controller and indoor electronic control P.C. board

*Check if the remote controller is exclusive for this air conditioner.



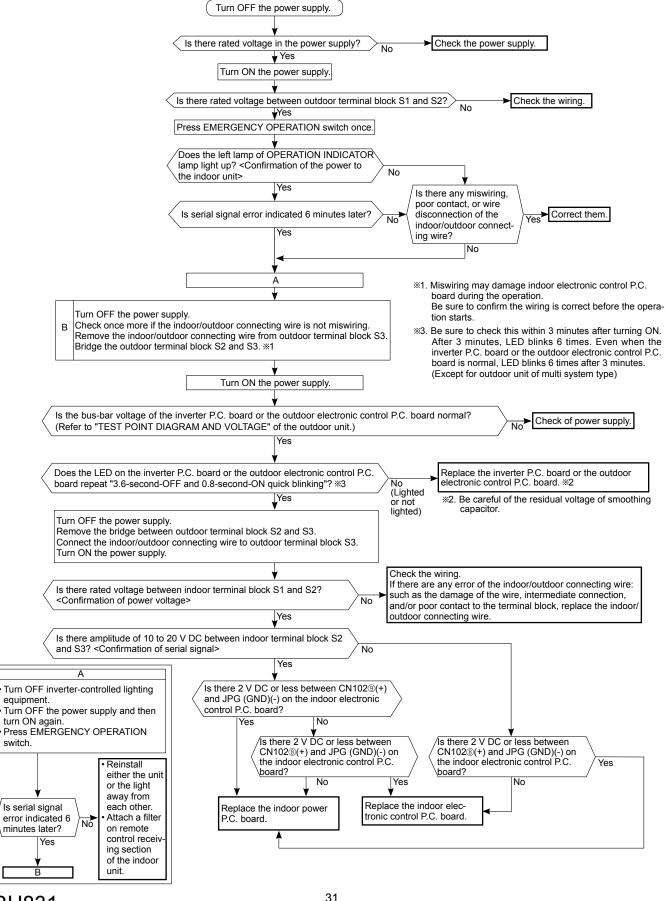
© Check of indoor P.C. board and indoor fan motor



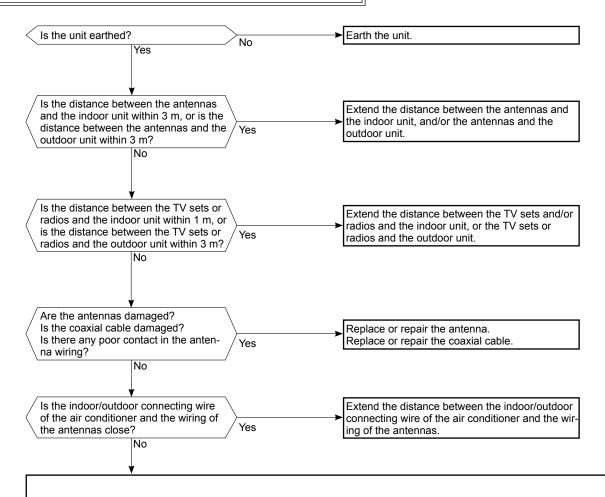
OBH831 ²⁹

D How to check miswiring and serial signal error **MUZ-EF Type** Turn the main power supply Is there rated voltage in the power supply? Check the power supply. Yes Check for incorrect indoor-outdoor connecting wiring. Was the indoor unit ever connected to the Multi (MXZ) series and operated No Yes (turned on)? The connection information to the Multi series is stored in the indoor unit. Refer to "Deleting the memorized abnormal condition" described in 10-2.1 to clear the error history. When the error history is being cleared, the connection information also will be initialized. The indoor unit will be compatible with a low-standby-power model after initialization. OK B Turn the main power supply ON. Check for miswiring, broken wires, and loose wire connection between the main power Is there rated voltage between outdoor terminal block S1 and S2? supply and outdoor terminal block S1 and ¥Yes between the main power supply and outdoor terminal block S2 Wait for 2 or more minutes after the main power supply is turned on Touch S2 and S3 with tester probes and start the emergency operation. When the emergency operation starts, does the rated voltage occur for 2 No seconds between indoor terminal block S2 and S3? Turn the main power supply Does the indoor OPERATION INDICATOR lamp (left) blink No Turn the main power supply Does the outdoor LED light up? continuously 6 minutes after the ON. emergency operation starts? Yes Confirm that the thermostat is OFF Wait for 2 or more minutes after the main power supand wiring is not loose. ply is turned ON. Touch CN202 ® and JPG with tester probes and start the emergency operation. Does the outdoor LED blink 6 ➤ Replace the outdoor inverter P.C. board. ※1 During the emergency operation, times? does DC (2V or more) occur for 2 No Yes seconds between CN202 (5) and JPG on the indoor electronic control Does DC (6V or more) occur P.C. board? Replace the outdoor inverter P.C. board. *1 between indoor terminal block S2 and S3? Yes Replace the Replace the indoor power P.C indoor electronic Turn the main power supply OFF. Electric charge may remain immediately board. control P.C. board Replace the indoor power P.C. after the main power supply is turned OFF. board. Perform the procedure after 3 minutes. Turn the main power supply ON. Turn OFF inverter-controlled lighting Start the emergency operation. equipment Turn OFF the power supply and then turn ON again Press EMERGENCY OPERATION Does the indoor OPERATION switch. INDICATOR lamp (left) blink Repair completed. continuously 6 minutes after the Reinstall emergency operation starts? either the unit Yes or the light away from Does DC (20V or more) occur Is serial signal each other. No Replace the outdoor inverter P.C. board. *1 between indoor terminal block S2 error indicated 6 Attach a filter and S3? on remote minutes later? control receiv Yes ing section Replace the indoor electronic of the indoor unit. control P.C. board.

MXZ Type



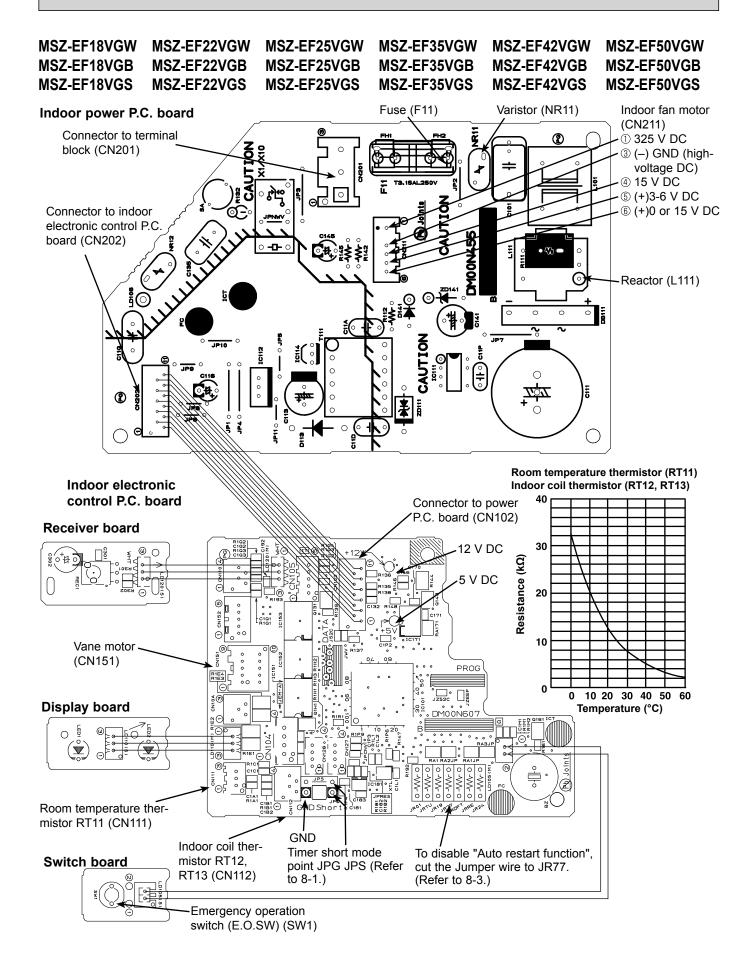
E Electromagnetic noise enters into TV sets or radios



Even if all of the above conditions are fulfilled, the electromagnetic noise may enter, depending on the electric field strength or the installation condition (combination of specific conditions such as antennas or wiring).

Check the following before asking for service.

- Devices affected by the electromagnetic noise TV sets, radios (FM/AM broadcast, shortwave)
- 2. Channel, frequency, broadcast station affected by the electromagnetic noise
- 3. Channel, frequency, broadcast station unaffected by the electromagnetic noise
- 4. Layout of:
 - indoor/outdoor unit of the air conditioner, indoor/outdoor wiring, earth wire, antennas, wiring from antennas, receiver
- 5. Electric field intensity of the broadcast station affected by the electromagnetic noise
- 6. Presence or absence of amplifier such as booster
- 7. Operation condition of air conditioner when the electromagnetic noise enters in
 - 1) Turn OFF the power supply once, and then turn ON the power supply. In this situation, check for the electromagnetic noise.
 - 2) Within 3 minutes after turning ON the power supply, press STOP/OPERATE (OFF/ON) button on the remote controller for power ON, and check for the electromagnetic noise.
 - 3) After a short time (3 minutes later after turning ON), the outdoor unit starts running. During operation, check for the electromagnetic noise.
 - 4) Press STOP/OPERATE (OFF/ON) button on the remote controller for power OFF, when the outdoor unit stops but the indoor/outdoor communication still runs on. In this situation, check for the electromagnetic noise.



DISASSEMBLY INSTRUCTIONS

<Detaching method of the terminal with lockig mechanism>

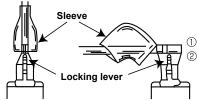
The terminal which has the locking mechanism can be detached as shown below.

There are 2 types of the terminals with locking mechanisms.

The terminal without locking mechanism can be detached by pulling it out.

Check the shape of the terminal before detaching.

(1) Slide the sleeve and check if there is a locking lever or not.



①Slide the sleeve. ②Pull the terminal while pushing the locking

(2) The terminal with this connector shown below has the locking mechanism.



①Hold the sleeve, and pull out the terminal slowly.

MSZ-EF18VGW MSZ-EF18VGB MSZ-EF18VGS

MSZ-EF22VGW MSZ-EF22VGB MSZ-EF22VGS

MSZ-EF25VGW MSZ-EF25VGB MSZ-EF25VGS

MSZ-EF35VGW MSZ-EF35VGB MSZ-EF35VGS

Photo 1

MSZ-EF42VGW MSZ-EF42VGB MSZ-EF42VGS

MSZ-EF50VGW MSZ-EF50VGB MSZ-EF50VGS

NOTE: Turn OFF the power supply before disassembly.

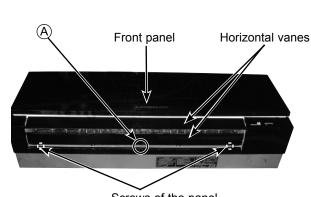
>: Indicates the visible parts in the photos/figures. ····->: Indicates the invisible parts in the photos/figures.

OPERATING PROCEDURE

1. Removing the panel

- (1) Remove the horizontal vanes.
- (2) Remove the screw caps of the panel. Remove the screws of the panel.
- (3) Unhook the lower part (A) of the panel.
- (4) First, hold the lower part of the right end of the panel, and hold the lower part of the left end of the panel.
- (5) Pull the panel slightly toward you, and then remove the panel by pushing it upward.

PHOTOS/FIGURES



Screws of the panel

OPERATING PROCEDURE

2. Remove the indoor electrical box

- (1) Remove the panel (Refer to 1.) and the corner box right.
- (2) Remove the screw of the V.A. clamp. Remove the V.A. clamp and the indoor/outdoor connecting wire.
- (3) Remove the earth wire connected to the indoor heat exchanger from the electrical box.
- (4) Remove the screw of the electrical cover and remove the electrical cover.
- (5) Disconnect following connectors:
 <Indoor electronic control P.C. board>
 CN151 (Vane motor)
 <Indoor power P.C. board>
 CN211 (Indoor fan motor)
- (6) Remove the screw fixing the electrical box, then the upper catch of the electrical box, and pull out the electrical box.

Removing the indoor power P.C. board, the switch board, the display board, the receiver board and the indoor electronic control P.C. board

- (1) Remove the panel (Refer to 1.) and the corner box right.
- (2) Remove the screw of the V.A. clamp. Remove the V.A. clamp and the indoor/outdoor connecting wire.
- (3) Remove the indoor electrical box (Refer to 2.).
- (4) Remove the earth wire connected to the electrical box from the indoor power P.C. board.
- (5) Disconnect the following connectors:
 <Indoor electronic power P.C. board>
 CN201 (Terminal block)
 CN202 (To the indoor electronic control P.C. board)
- (6) Remove the indoor power P.C. board.
- (7) Disconnect the following connectors:
 <Indoor electronic control P.C. board>
 CN111 (Room temperature thermistor)
 CN112 (Indoor coil thermistor)
- (8) Unhook the catches of the display P.C. board holder from the nozzle and the electrical box (right side).
- (9) Open the rear cover of the display P.C. board holder and remove the switch board, the display board and the receiver board.

Remove the indoor electronic control P.C. board.

PHOTOS/FIGURES

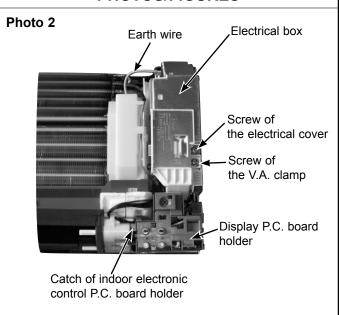
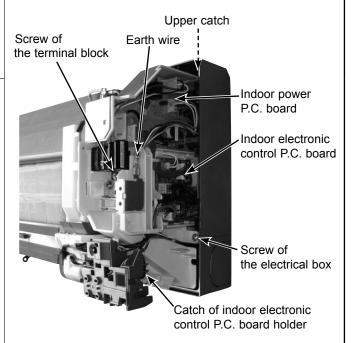


Photo 3

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OPERATING PROCEDURE

4. Removing the nozzle assembly

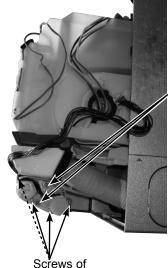
- (1) Remove the panel (Refer to 1.) and the corner box right.
- (2) Remove the indoor/outdoor connecting wire (Refer to 2.).
- (3) Remove the electrical cover (Refer to 2.).
- (4) Disconnect the following connector: <Indoor electronic control P.C. board> CN151 (Vane motor)
- (5) Remove the display P.C. board holder.
- (6) Pull out the drain hose from the nozzle assembly and remove the nozzle assembly.
- (7) Remove the vane motors (Refer to 5.).

5. Removing the horizontal vane motor

- (1) Remove the nozzle assembly (Refer to 4.).
- (2) Remove the screws of the vane motor unit cover, and pull out the vane motor unit
- (3) Remove the screws of the vane motor unit.
- (4) Disconnect the connector from the vane motor.
- (5) Remove the vane motor from the vane motor unit.

PHOTOS/FIGURES

Photo 4



Screws of the vane motor unit cover

Screws of the vane motor unit

OPERATING PROCEDURE

6. Removing the indoor fan motor, the indoor coil thermistor and the line flow fan

- (1) Remove the panel (Refer to 1.) and the corner box right.
- (2) Remove the indoor electronic control P.C. board holder, the electrical box and the nozzle assembly.
- (3) Remove the screws fixing the motor bed.
- (4) Release the hooks of the water cut and remove the water cut.
- (5) Loosen the screw fixing the line flow fan.
- (6) Remove the motor bed together with the indoor fan motor and the motor band.
- (7) Release the hooks of the motor band and remove the motor band. Pull out the indoor fan motor.
- (8) Remove the indoor coil thermistor from the heat exchanger.
- * Install the indoor coil thermistor in its former position when assembling it (Photo 5.).
- (9) Remove the screws fixing the left side and the upper right side of the heat exchanger (Photo 7, Photo 8).
- (10) Lift the heat exchanger, and pull out the line flow fan to the lower-left.
- * When attaching the line flow fan, screw the line flow fan so 4 mm gap is provided between the right end of the line flow fan and the right wall of the air passage of the box (Figure 1).

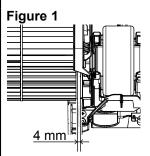


Photo 8

Screw of the upper right side of the heat exchanger



PHOTOS/FIGURES

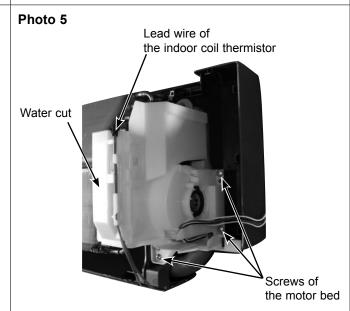


Photo 6

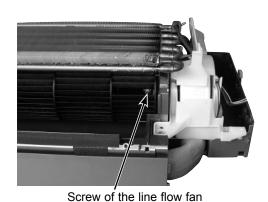
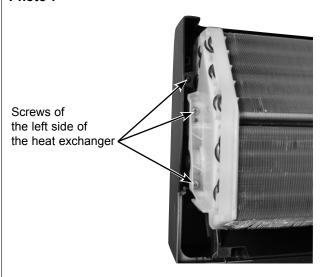


Photo 7



Fixing the indoor coil thermistor

* There are 2 forms of parts for fixing the indoor coil thermistor.

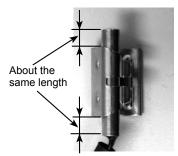
Clip shape



Holder shape



When fixing the indoor coil thermistor to the clip-shape/holder-shape part, the lead wire should point down.



Position and procedure for mounting the clip-shape part

 Set the indoor coil thermistor in the center of the clip-shape part.



2. Check the (marked) mounting position.



3. Mount the clip-shape part.



NOTE:

- Take care to avoid loss and accidental falling of the clip-shape part inside the unit.
- Mount the clip-shape part on the marked position.
- Do not pull the lead wire when removing the indoor coil thermistor.

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