

No. OB329

SERVICE MANUAL



Wireless type **Models**

MSC-A07YV -ET(WH) MSC-A09YV -EI(WH) MSC-A12YV -EI(WH)

Indication of model name MSC-A07YV -E1 MSC-A09YV -E1 MSC-A12YV -E1

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NOTE:

- •This manual describes technical data of indoor units.
- •As for outdoor units MU-A07/A09/A12YV -E1, refer to the service manual OB330.
- •As for outdoor units MUH-A07/A09/A12YV -E1, refer to the service manual OB331.
- •As for outdoor units MUX-A10/A19/A20/A25/A26WV -E1, refer to the service manual OB307 REVISED EDITION-A.
- •As for outdoor units MUX-A22WV -E1, refer to the service manual OB318.
- •As for outdoor units MXZ-A18/A26/A32WV -E1, refer to the service manual OB319.



DISASSEMBLY INSTRUCTIONS

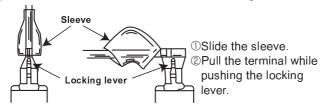
<"Terminal with lock mechanism" Detaching points>

In case of terminal with lock mechanism, detach the terminal as shown below. There are two types (Refer to (1) and (2)) of the terminal with lock mechanism.

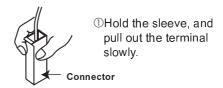
The terminal with no lock mechanism can be removed by pulling it out.

Check the shape of the terminal and work.

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



(2) The terminal with this connector is a terminal with lock mechanism



MSC-A07YV -EI MSC-A09YV -EI MSC-A12YV -EI INDOOR UNIT

OPERATING PROCEDURE PHOTOS 1. Removing the front panel Photo 1 (1) Remove the screw caps of the front panel. Remove the screws. (2) Pull the panel down to your side slightly and unhook the catches at the top. Screws of the front panel 2. Removing the electronic control P.C. board and the Photo 2 Terminal block power monitor, receiver P.C. board fixing screw NOTE: In case of removing only indoor electronic control Screw of the P.C. board, work (3) is not necessary. Indoor electronic ground wire (1) Remove the front panel. (Refer to 1.) control P.C. board (2) Remove the power monitor, receiver P.C. board holder from the bottom of electrical box. (3) Open the power monitor, receiver P.C. board holder and Cord clamp fixing remove the power monitor, receiver P.C. board. screw (4) Remove the screw of the electrical cover and the electrical cover. Screw of the V.A. (5) Remove the screw of the V.A. clamp and the V.A. clamp. clamp (6) Remove the screw of the cord clamp and the cord clamp. (7) Remove the screw of the terminal block. (8) Remove the screw of the ground wire. Screw of the electrical cover (9) Pull out indoor electronic control P.C. board slightly. (10) Disconnect all (except CN101) the connectors on the electronic control P.C. board. (11) Remove the electronic control P.C. board. (12) Disconnect the connector of power monitor, receiver P.C. board (CN101) on the electronic control P.C. board. Power monitor, receiver

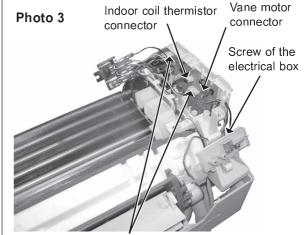
P.C. board holder

OPERATING PROCEDURE

3. Removing the electrical box

- (1) Remove the front panel. (Refer to 1.)
- (2) Remove the electrical cover. (Refer to 2.)
- (3) Remove the V.A. clamp. (Refer to 2.)
- (4) Remove the cord clamp. (Refer to 2.)
- (5) Remove the terminal block. (Refer to 2.)
- (6) Remove the screw of ground wire. (Refer to 2.)
- (7) Disconnect the connector of the indoor coil thermistor (CN112), the fan motor connector (CN211 and CN121) and the vane motor connector (CN151) on the electronic control P.C. board.
- (8) Remove the fan motor lead wire and indoor coil thermistor from the electrical box.
- (9) Remove the lead wire of vane motor from the bottom of electrical box.
- (10) Remove the screw fixing the electrical box, remove the electrical box.

PHOTOS

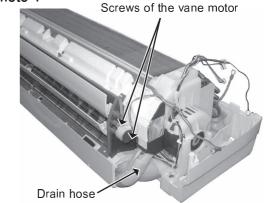


Fan motor connector

4. Removing the nozzle assembly and the vane motor

- (1) Remove the front panel. (Refer to 1.)
- (2) Remove the electrical box. (Refer to 3.)
- (3) Pull out the drain hose from the nozzle assembly, remove the nozzle assembly.
- (4) Remove the screws of the vane motor, disconnect the vane motor connector.
- (5) Remove the vane motor.

Photo 4



5. Removing the indoor fan motor and the line flow fan

- (1) Remove the front panel. (Refer to 1.)
- (2) Remove the electrical box. (Refer to 3.)
- (3) Pull out the drain hose from the nozzle assembly, remove the nozzle assembly. (Refer to 4.)
- (4) Remove the screw of the lead cover and lead cover.
- (5) Release the hooks to open the motor band slightly.
- (6) Loosen the hexagon socket set screw from the line flow fan.
- (7) Remove the screws fixing the motor bed, remove the fan motor with motor band and the motor bed.
- (8) Remove the screws fixing the left side of the heat exchanger.
- (9) Lift the left side of the heat exchanger.
- (10) Remove the line flow fan.

Photo 5

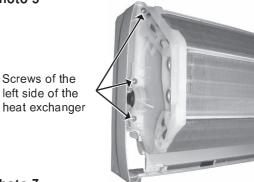


Photo 7

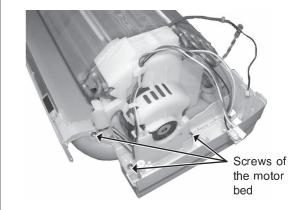
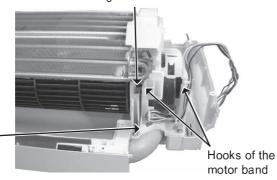


Photo 6

Hexagon socket set screw



Screw of the lead cover

PARTS LIST

MSC-A07YV -E1 (WH)

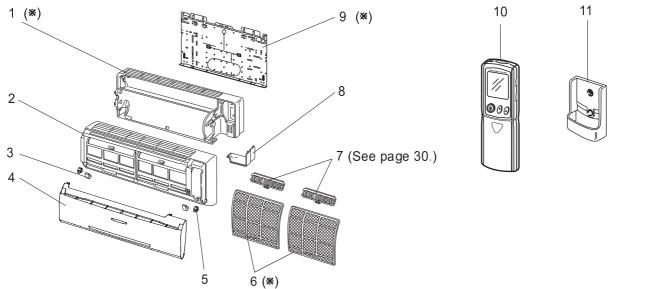
12

MSC-A09YV -E1 (WH)

MSC-A12YV -E1 (WH)

12-1. INDOOR UNIT STRUCTURAL PARTS

12-2. ACCESSORY AND REMOTE CONTROLLER



(*) These figures show about MSC-A12YV.

12-1, INDOOR UNIT STRUCTURAL PARTS

		Symbol Q'ty/unit					
No.	Part No.	Part Name	in Wiring	MSC-A07YV-	MSC-A09YV-	MSC-A12YV-	Remarks
			Diagram	E1 (WH)	E1 (WH)	E1 (WH)	
1	E02 749 234	BOX(WH)		1	1		
'	E02 751 234	BOX(WH)				1	
2	E02 829 000	PANEL ASSEMBLY(WH)		1	1	1	Including No.3,4,5
3	E02 749 067	SCREW CAP(WH)		2	2	2	2PCS/SET
4	E02 829 010	FRONT PANEL(WH)		1	1	1	
5	E02 408 142	CATCH		2	2	2	2PCS/SET
	E02 763 100	CATECHIN AIR FILTER		2	2		
6	E02 764 100	CATECHIN AIR FILTER				2	
7		AIR CLEANING FILTER		2	2	2	MAC-1300FT
8	E02 749 975	CORNER BOX (RIGHT)		1	1	1	
	E02 408 970	INSTALLATION PLATE		1	1		
9	E02 751 970	INSTALLATION PLATE				1	

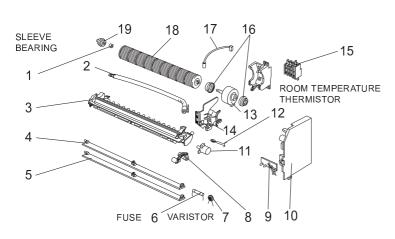
12-2. ACCESSORY AND REMOTE CONTROLLER

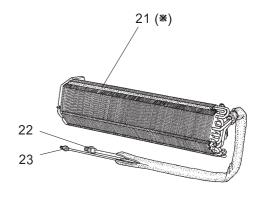
10	E02	749	426	REMOTE CONTROLLER	1	1	1	
11	E02	527	083	REMOTE CONTROLLER HOLDER	1	1	1	

MSC-A07YV -E1 (WH) MSC-A09YV -E1 (WH) MSC-A12YV -E1 (WH)

12-3. INDOOR UNIT ELECTRICAL PARTS AND FUNCTIONAL PARTS

12-4. INDOOR UNIT HEAT EXCHANGER





(*) This figure shows about MSC-A12YV.

12-3. INDOOR UNIT ELECTRICAL PARTS AND FUNCTIONAL PARTS

Part number that is circled is not shown in the illustration.

					Symbol		Q'ty/unit		
No.	Pa	art No).	Part Name	in Wiring Diagram	MSC-A07YV- E1 (WH)	MSC-A09YV- E1 (WH)	MSC-A12YV- E1 (WH)	Remarks
1	E02	001	504	SLEEVE BEARING		1	1	1	
2	E02	661	702	DRAIN HOSE		1	1	1	
3	E02	749	235	NOZZLE ASSEMBLY(WH)		1	1	1	
4	E02	749	040	VANE UPPER (WH)		1	1	1	
5	E02	749	041	VANE LOWER (WH)		1	1	1	
6	E02	127	382	FUSE	F11	1	1	1	3.15A
7	E02	829	385	VARISTOR	NR11	1	1	1	
8	E02	763	034	VANE CRANK SET		1	1	1	
9	E02	749	468	POWER MONITOR, RECEIVER P.C. BOARD		1	1	1	
	E02	829	452	ELECTRONIC CONTROL P.C.BOARD		1			AUTO RESTART
10	E02	830	452	ELECTRONIC CONTROL P.C.BOARD			1		AUTO RESTART
	E02	831	452	ELECTRONIC CONTROL P.C.BOARD				1	AUTO RESTART
11	E02	749	303	VANE MOTOR	MV	1	1	1	
12	E02	151	308	ROOM TEMPERATURE THERMISTOR	RT11	1	1	1	
4.0	E02	749	300	INDOOR FAN MOTOR	MF	1	1		RC4V19-□□
13	E02	751	300	INDOOR FAN MOTOR	MF			1	RC4V19-□□
14	E02	749	333	MOTOR BAND		1	1	1	
15	E02	691	375	TERMINAL BLOCK	TB	1	1	1	
16	E02	665	505	FAN MOTOR RUBBER MOUNT		2	2		2PCS/SET
10	E02	151	505	FAN MOTOR RUBBER MOUNT				2	2PCS/SET
17	E02	749	307	INDOOR COIL THERMISTOR	RT12	1	1	1	
18	E02	749	302	LINE FLOW FAN		1	1	1	
19	E02	408	509	BEARING MOUNT		1	1		
19	E02	751	509	BEARING MOUNT				1	
20	E02	749	385	VARISTOR	NR12	1	1	1	

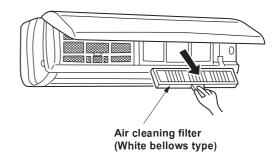
12-4. INDOOR UNIT HEAT EXCHANGER

21	E02	749	620	INDOOR HEAT EXCHANGER	1	1		
2 '	E02	751	620	INDOOR HEAT EXCHANGER			1	
22	E02	151	666	UNION(GAS)	1	1		ϕ 9.52
22	E02	155	666	UNION(GAS)			1	ϕ 12.7
23	E02	151	667	UNION(LIQUID)	1	1	1	ϕ 6.35

12-5. AIR CLEANING FILTER

- AIR CLEANING FILTER removes fine dust of 0.01 micron from air by means of static electricity.
- Normal life of AIR CLEANING FILTER is 4 months. However, when it becomes dirty, replace it as soon as possible.
- Clogged AIR CLEANING FILTER may reduce the air conditioner capacity or cause frost on the air outlet.
- DO NOT reuse AIR CLEANING FILTER even if it is washed.
- DO NOT remove or attach AIR CLEANING FILTER during unit operation.

Model	Part No.
MSC-A07YV- E1	
MSC-A09YV-E1	MAC-1300FT
MSC-A12YV- E1	





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