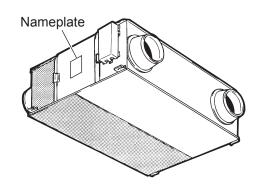


LOSSNAY

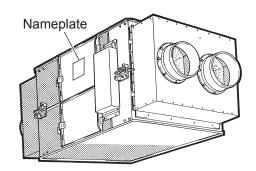
HANDBOOK

MODELS

LGH-F300RX3-E LGH-F600RX3-E



LGH-F1200RX3-E



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

Sa	afety precautions	3
1.	Specifications	4-5
2.	Dimensions	5-6
3.	Wiring diagrams	7-8
4.	Troubleshooting	9-22
	4-1 Service Flow	9-10
	4-2 Items to Check	11-21
	4-3 Circuit Test Point	22
5.	Overhaul procedures	23-28
	5-1 Blower Parts	23-25
	5-2 Damper Movement Motor Part (All units available)	25-26
	5-3 Circuit Board Part	26-28
6.	Parts list	29-41
	LGH-F300RX3-E	30-33
	LGH-F600RX3-E	34-37
	LGH-F1200RX3-E	38-41

Safety precautions

- ●Please be sure to read the following safety precautions thoroughly before commencing with the maintenance work, and conduct the inspection and repair of the product in a safe manner.
- ●The types and levels of danger that may arise if the product is handled incorrectly are described by using the warning symbols shown below.



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

♦ Electric shock

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 for

electric shock

tric shock.)

Turn off the power supply

Be sure to shut off the breaker before disassembling the unit for repair.



(Failure to heed this warning may result in elec-Be sure to follow

Modification is prohibited

Do not modify the unit.

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



Use proper parts and tools

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

(Failure to heed this warning may result in elec-Be sure to follow tric shock, fire and/or bodily injury.)

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 Work Guide.

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



Replace damaged and/or degraded parts

Be sure to replace the power-supply cord and lead wire in the event that they are damaged and/or degraded.

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



♦ Check insulation

Be sure to measure the insulation resistance once the repair work is complete, and turn on the power supply after verifying that an insulation resistance of at least $10M\Omega$ is obtained.

(If an insulation problem exists, it may result in electric shock.)





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

Caution for bodily injury

Do not conduct any work at a location where you do not have a sure footing.

(Failure to heed this caution may result in a fall.)



♦ Wear gloves

Wear gloves when conducting work.

(Failure to heed this caution may result in injury to your hands from sharp metal or other edges.)



Be sure to follow this instruction.

Request during repair

- •Inspect the grounding, and repair it if incomplete.
- •Make sure that the product operates correctly upon completion of repair. Clean the product as well as the surrounding area, and then notify the customer of the completion of repair.

1. Specifications

MODEL	MODEL LGH-F300RX3-E							
Control signal		Serial single	communication	(M-NET transm	ission)			
Heat exchange syst	em	Air-to-air to	r-to-air total heat (sensible heat + latent heat)exchange					
Heat exchanger mat		Partition, spa	cing plate-spe	cial treated p	aper			
Cladding		Galvanized st	eel sheet					
Heat insulating ma	iterial	Self-extingui:	shing urethane	foam				
Motor		Totally enclos	sed capacitor	permanent spli	t-phase induct	ion motor, 4 po	les, 2 units	
Blower		8 3/4in dia.c	entrifugal fan					
Operating environm	ien t	14° F to 104°F,	RH 80% or les	s (5°F (*) to	104°F,RH 80%	or less)		
(Supply air)				eral condition				
Functions			lation/Bypass	ventilation l	High(Extra hig	n)-Low switchin	n g	
Weight		731bs						
Power supply				ngle phase 208	-230V 60Hz			
Ventilation mode		Lossnay ventilation			Bypass ventilation			
Fan speed		Extra high	High	Low	Extra high	High	Low	
Current	(A)	1.3	1. 1	0.6	1. 4	1. 1	0.6	
Power consumption	(W)	278	260	146	280	262	146	
Air volume	(CFM)	300	300	180	300	300	180	
External static pressure	(in.H ₂ ())	0.65	0.10	0.02	0.65	0.10	0.02	
Temperature recovery efficien	cy (%)	69	70	77	-	-	_	
Enthalpy recovery	Heating	62	64	71	_	_	-	
efficiency (%)	Cooling	44	46	55	_	-	-	
Sound level Measured at 59in, under the center of panel		36	32	25	36	32	25	
(dB) Air outle	ts	44	40	31	44	40	31	
Starting current		Under (2, 5A)	or less					
Insulation resista	ınce	10MΩ or more						
Dielectric strengt	h	AC 1500V 1 minute						

^{*}The defrosting mode must be operated under 14 $^{\circ}F$ or below. (Air supply fan drives 60 min. ON/10 min. OFF)

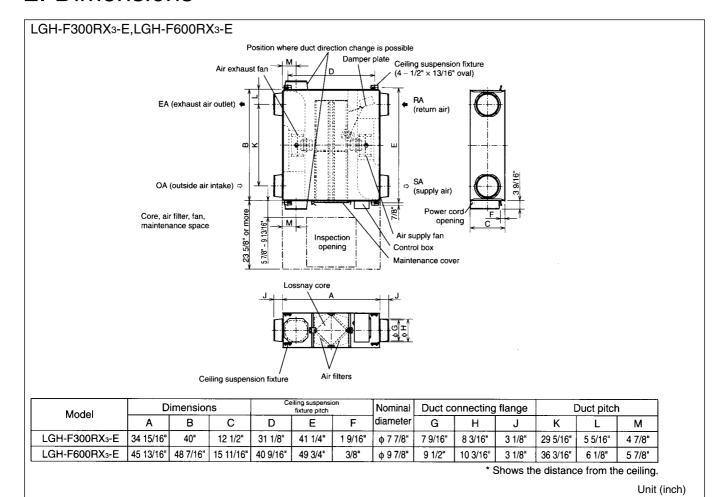
MODEL	LGH-F600RX3-E						
Control signal	Serial single	rial single communication (M-NET transmission)					
Heat exchange system				tent heat)exch	ange		
Heat exchanger material	Partition, spa	cing plate-spe	cial treated p	aper			
Cladding	Galvanized st	eel sheet					
Heat insulating material	Self-extingui	shing urethane	foam				
Motor	Totally enclo	sed capacitor	permanent spli	t-phase induct	<u>ion motor, 4 po</u>	les, 2 units	
Blower	9 5/8in. dia.						
Operating environment		RH 80% or les		104°F.RH 80%			
(Supply air)				in air-condit			
Functions		lation/Bypass	ventilation	High(Extra hig	h)-Low switchi	n g	
Weight	159 lbs						
Power supply			ngle phase 208				
Ventilation mode	Lossnay ventilation			Bypass ventilation			
Fan speed	Extra high	High	Low	Extra high	High	Low	
Current (A)	2. 9	2.6	1. 7	2. 8	2. 6	1. 7	
Power consumption (W)	654	600	390	648	600	396	
Air volume (CFM)	600	600	430	600	600	430	
External static pressure (in. H ₂ ())	0.80	0.48	0.24	0.80	0.48	0.24	
Temperature recovery efficiency (%)	69	70	75	-	-	_	
Enthalpy recovery Heating	62	63	69	_	-	_	
efficiency (%) Cooling	44	47	53	_	_	_	
Sound level Measured at 59 in, under the center of panel	39	37	30	40	39	31	
(dB) Air outlets 47 45 37 48 45 3					37		
Starting current Under (7. OA) or less							
Insulation resistance		(500V megger)					
Dielectric strength	AC 1500V 1 mi	nute					

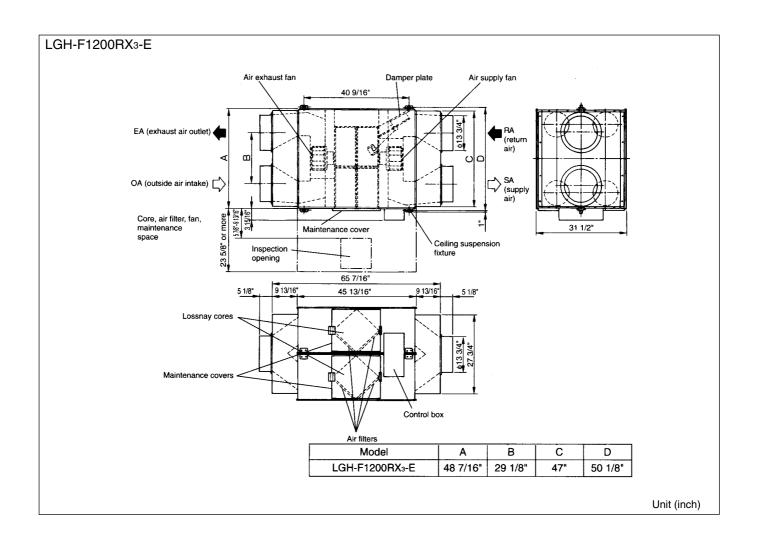
 $[\]mbox{\@scalebox{0.85}{\times}} The defrosting mode must be operated under 14 <math display="inline">^{\circ} F$ or below. (Air supply fan drives 60 min. ON/10 min. OFF)

MODEL LGH-F1200RX ₃ -E							
Control signal	Serial single	erial single communication (M-NET transmission)					
Heat exchange system	Air-to-air to	tal heat (sens	ible heat + la	tent heat)exch	ange		
Heat exchanger material	Partition, spa	cing plate-spe	cial treated p	aper			
Cladding	Galvanized st	eel sheet					
Heat insulating material	0	shing urethane					
Motor	Totally enclo	sed capacitor	permanent spli	t-phase induct	ion motor, 4 po	les, 4 units	
Blower	8 3/4in dia.c						
Operating environment				104°F,RH 80%			
(Supply air)				in air-condit			
Functions		lation/Bypass	ventilation	High (Extra hig	h)-Low switchi	n g	
Weight	3951bs						
Power supply			ngle phase 208				
Ventilation mode	Lossnay ventilation			Bypass ventilation			
Fan speed	Extra high	High	Low	Extra high	High	Low	
Current (A)	5. 7	5. 6	3. 6	5.6	5.5	3. 6	
Power consumption (W)	1290	1200	810	1265	1190	800	
Air volume (CFM)	1200	1200	800	1200	1200	800	
External static (in. H ₂ O)	0.75	0.43	0.20	0.75	0.43	0.20	
Temperature recovery efficiency (%)	69	70	76	_	_	_	
Enthalpy recovery Heating	62	63	69	-	-	_	
efficiency (%) Cooling	44	47	53	_	_	_	
Sound level Measured at 59in, under the center of panel	41	39	32	42	40	33	
(dB) Air outlets 52 49 41				52	49	41	
Starting current Under (14A) or less							
Insulation resistance		(500V megger)					
Dielectric strength	AC 1500V 1 mi	nute					

 $[\]mbox{\@scalebox{0.85}{\times}} The defrosting mode must be operated under 14 <math display="inline">^{\circ} F$ or below. (Air supply fan drives 60 min. ON/10 min. OFF)

2. Dimensions

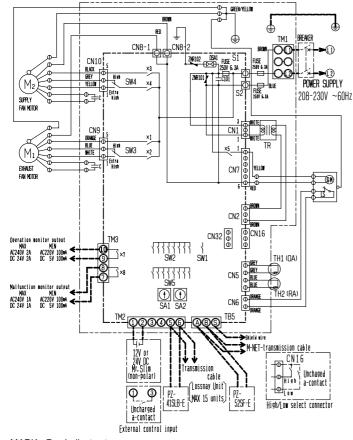




3. Wiring diagrams

LGH-F300RX3-E,LGH-F600RX3-E

- * Connect the wires shown as dotted lines.
- * Be sure to connect the grounding wire.
- * Breaker should be provided by the customer.

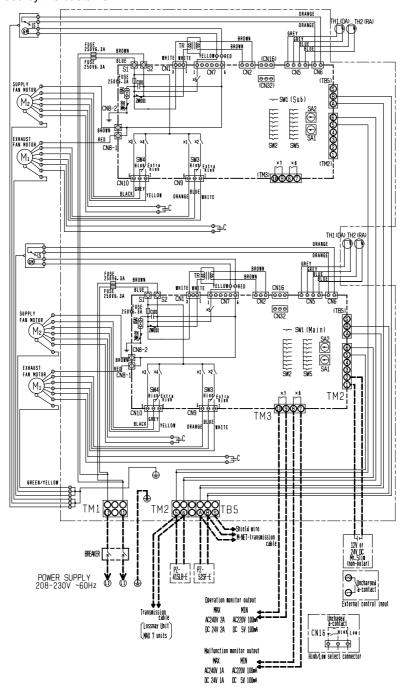


MARK	: Indicates ter-
	minal block
	① : Connector
	① : Board inser-
	tion connector or
	fastening connec-
	tor of control
	board

	Symbol e	xplanatio	n
M1:	Motor for exhaust fan	X8:	Relay contact (For mal-
M2:	Motor for supply fan		function monitor output)
C:	Capacitor	CN1:	Connector
GM:	Motor for Bypass move-		(Transformer primary)
	ment	CN2:	Connector
LS:	Microswitch		(Transformer secondary)
TH1:	Thermistor for outside air	CN5:	Connector
TH2:	Thermistor for return air		(Thermistor)
SW1:	Switch (Main/Sub change)	CN6:	Connector
SW2,5:	Switch (Function selec-		(Microswitch)
	tion)	CN7:	Connector (Motor for
SW3:	High/E.High select switch		Bypass operation)
	(Exhaust fan)	CN8-1:	Tab connector
SW4:	High/E.High select switch		(Fan motor)
	(Supply fan)	CN8-2:	Tab connector
TM1:	Terminal block		(Fan motor)
	(Power supply)	CN9:	Connector (Fan motor)
TM2:	Terminal block	CN10:	Connector (Fan motor)
	(Transmission cable and	CN16:	Connector (High/Low
	external control input)		switch)
TM3:	Terminal block (Monitor	CN32:	Connector (Remote
	output)		control selection)
TB5:	Terminal block	SA1:	Address setting rotary
	(M-NET Transmission		switch
	cable)		(10 digit)
S1,S2:	Connector (Power sup-	SA2:	Address setting rotary
	ply)		switch
TR:	Control circuit trans-		(1 digit)
	former	LED1:	Inspection indicator lamp
X7:	Relay contact (For opera-	LED2:	Inspection indicator lamp
	tion monitor output)	LED4:	Power supply indicator lamp
		LED6:	M-NET indicator lamp

• PZ-41SLB-E and PZ-52SF-E cannot be used simultaneously.

- * Connect the wires shown as dotted lines.
- * Be sure to connect the grounding wire.
- * Breaker should be provided by the customer.



Symbol explanation								
A2: Motor for supply fan C: Capacitor M: Motor for Bypass movement S: Microswitch TH1: Thermistor for outside air TH2: Thermistor for return air SW1: Switch(Main/Sub change) SW2,5: Switch (Function selection) SW3: High/E.high select switch (Exhaust fan) TM2: Terminal cable and input) TM3: Terminal put) TB5: Terminal put) TB5: Connect TR: Control of X7: Relay co monitor of X8: Relay co	I block (Power supply) I block (Transmission dexternal control CN2: CN2: I block (Monitor out- CN5: CN6: CN6: CN7: ssion cable) tor (Power supply) circuit transformer ontact (For operation output) CN1: CN2: CN2: CN3: CN6: CN7: CN8-1: CN8-1: CN8-2: CN8-2: CN9: CN10:	Connector (Transformer primary) Connector (Transformer secondary) Connector (Thermistor) Connector (Microswitch) Connector (Motor for Bypass operation) Tab connector (Fan motor) Tab connector (Fan motor) Connector (Fan motor) Connector (Fan motor) Connector (Fan motor) Connector (High/Low switch)	SA1: SA2: MARK ©	Connector (Remote control selection) Address setting rotary switch (10 digit) Address setting rotary switch (1 digit) : Indicates terminal block : Connector]: Board insertion connector or fastening connector of control board				

4. Troubleshooting

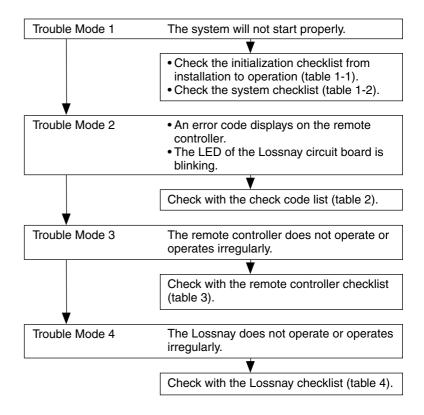
4-1 Service Flow

Confirmation items

- Condition of trouble remote controller display, etc.
- ② Frequency of trouble date of start of operation and occurrence
- ③ Occurrence timing
- ④ Existence of drawings, equipment (including controllers and equipment sold separately), cables, wiring, and settings.

Applicable models Lossnay LGH-F300 to F1200RX types

Remote controller PZ-41SLB-E PZ-52SF-E



Precautions when diagnosing malfunctions

- When removing a transistor or printed circuit board, make sure the breaker is thrown.
- 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 servicing, be sure to recreate the malfunction 2 to 3 times before starting repairs.
- If a malfunction of the printed circuit board is suspected, check for disconnected wires in the print pattern, burnt parts or discoloration.
- If the printed circuit board is replaced, make sure that the switch settings on the new board are the same as the old board.

Error List

					LED 1 LED 2		Cancellation measures			
Classification	Error item				Error monitor output	Reset power supply	Change address	Stop ↓ Start	Error delete	
	Fan motor operation device error	Cancellation	4000/4116 *1)	2 times		0	0	0	_	0
	Damper motor error	Cancel damper operationOther controls as normal	3602	3 times	_	0	0	0	0	_
Unit error	OA temperature sensor error	 Lossnay ventilation fixed (for "Auto" modes) Other controls as normal 	5101	4 times	_	0	0	0	_	0
	RA temperature fixed (for "Auto" modes) sensor error • Lossnay ventilation fixed (for "Auto" modes) 5102 • Other controls as normal		5102	5 times	_	0	0	0	_	0
	Test operation	Fan: High speedLossnay ventilation fixed	ixed 0900 —		_	_	_	_	_	_
	Dual address	_	6600	_	6 times	0	0	0	0	_
	No ACK	_	6607	_	_	_	\circ	0	_	0
rror	No response	_	6608	_	_	_	\circ	0	_	0
Communication error	Controller communication error	communication • Cancellation 6607/6608 —	8 times	0	\circ	0	_	0		
Comm	Communication circuit error			1 - 5 times	0	0	0	_	0	
	Polarity not set	_	_		LED 6 turn off	_	0	0		0
	PZ-41SLB-E communica- tion error	Cancellation	6608	9 times	_	0	0	_	_	0

^{*1) &}quot;4000" is displayed on PZ-41SLB-E only.

4-2 Items to Check

(1)Trouble Mode 1: The system will not start properly.

Initialization checklist from installation to operation (Table 1-1)

After checking the system, check the points below up to operation.

No.		Checkpoint				
1	Do the capacity of the main power	er supply on/off unit and wiring span meet specification?				
2	Is the specified power supplied to the Lossnay power terminal (TM1)?					
3	Is the wiring length of the transmi	ssion cable within specifications?				
	When using PZ-41SLB-E:	Overall extension within 1640 ft				
	_	Maximum power supply length within 656 ft, maximum distance between ends within 1640 ft				
4	Does the transmission cable mee	et regulations? (Type, diameter)				
5	Is the transmission cable wired a	t least 1 15/16 inch away from the power supply cable?				
6	Are multiple transmission or signa	al cables wired to the same power cable duct?				
7	Are multiple transmission cables	wired with multi core cables?				
8	Is the transmission cable connec	ted to the terminal unit?				
	(PZ-41SLB-E to TM2 ⑤, ⑥;	M-NET to TB5 (A),(B)				
9	Is the transmission cable securel	y connected to the Lossnay terminal unit?				
10	When not using M-NET					
	If using 1 Lossnay unit, is the Ma	in/Sub change switch (SW1) on the Lossnay circuit board set to "Main"?				
	If using 2 or more Lossnay units, is the Main/Sub switch set to "Main" on only one unit, and the other units are set to "Sub"?					
11	When using M-NET					
	Is the address switch on the Lossnay circuit board (SA1, SA2) set to the correct number?					
12	When using external control inpu	t				
	Do the specifications of the exter	nal signal match specifications of signals that can be input to the Lossnay?				
13	When the external input signal is	a pulse signal				
	Is the pulse input switch (SW2-2)	on the Lossnay circuit board set to ON?				
14	When the external signal is 12V I	DC, 24V DC, or Mr. Slim (A-control) signal				
	Is it connected to ①, ② on the Lo	ossnay external control input terminal unit (TM2)?				
15	When the external signal is an ur	ncharged a-contact signal				
	Is it connected to ①, ③ on the Lo	ossnay external control input terminal unit (TM2)?				
16	When M-NET is not being used					
	Is the external input signal conne	cted to the Lossnay set to "Main"?				
17	Is the signal cable length within w	viring specifications?				
	12V DC, 24V DC signal:	Within limitation of the external device				
	Uncharged a-contact signal:	Within 1640 ft				
		Within 1640 ft				
18		5 cm away from the power supply cable?				
19		nay operation monitor/error monitor within specifications?				
		aximum 240V AC/24V DC 2A, minimum 220V AC/5V DC 100 mA				
	·	aximum 240V AC/24V DC 1A, minimum 220V AC/5V DC 100 mA				
20	1 1 1	smission cable, signal cable, etc., securely connected to the proper terminals?				
21	Are the settings for the Mai/Sub s	switch, address switch, and function select switch correct?				

System checklist

①Use this checklist when using a PZ-41SLB-E or an external device (Table 1-2-1)

No.	Symptom	Cause	Corrective action
1	Remote controller display does not	 Power is not supplied to the Lossnay, or power outside specifications is connected. 	Check the power supply to the Lossnay.
	appear.	When using only 1 Lossnay, the Main/Sub switch (SW1) on the Lossnay circuit board is set to "Sub."	Set the Main/Sub (SW1) switch to "Main."
		The overall wiring length of the transmission cable is longer than specifications (longer than 1640 ft).	Check the length of the trans- mission cable wiring.
		The remote controller is connected to TB5 (M-NET transmission cable).	Connect the transmission cable to TM2 ⑤,⑥.
		PZ-52SF-E is connected to the Lossnay local remote controller.	Change to the PZ-41SLB-E remote controller.
2	Remote controller does not operate (Communication error	When using multiple Lossnay units, the Main/Sub switch (SW1) on the Lossnay circuit board of the second or following unit is set to "Main."	Set the Main/Sub switch (SW1) of the second and following Lossnay units to "Sub."
	display)	 The overall wiring length of the transmission cable is longer than specifications (longer than 1640 ft). 	Check the length of the transmission cable wiring.
		Multiple transmission cables are wired with multi core cables.	For the applied transmission cable, wire the transmission cables away from the other transmission cable.
3	Interlocked operation with external device does not occur.	 The type of external signal does not match the connected terminal unit (charged, uncharged, Mr. Slim signal). 	Check the connection to the external control input terminal (TM2) for the type of external signal.
		 The type of external signal does not match the pulse input switch (SW2-2) setting (level signal, pulse signal). 	 Check the type of external signal and the setting of the pulse input switch (SW2-2).
		The external device signal is not being input.	Check the external device.
		The external device and signal cable wiring is longer than specifications.	Check the length of the signal cable wiring.
		(12V DC, 24V DC: Longer than limitations of external device Uncharged a-contact: Longer than 1640 ft Mr. Slim signal: Longer than 1640 ft	
		The Delayed Start mode is set at the remote controller (PZ-41SLB-E).	 Check the Delayed Start mode setting at the remote controller (PZ-41SLB-E).
		 The ON Interlocked Operation mode or OFF Interlocked Operation mode is set at the remote controller (PZ-41SLB-E). 	 Check the Interlocked Operation mode setting at the remote con- troller (PZ-41SLB-E).
		 When using multiple Lossnay units, the external control input signal is connected to a unit with the "Sub" setting made. 	Connect the external control input signal to the Lossnay unit set to "Main."

②System checklist when using the M-NET (Table 1-2-2)

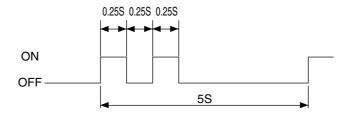
No.	Symptom	Cause	Corrective action
1	Does not interlock with City Multi. (The Lossnay cannot be operated by the ventilation switch on the ME remote controller, MA remote controller, or MELANS.)	 The Lossnay is not set for interlocked operation, or is set for interlocked operation at the wrong address. The length of the M-NET transmission cable wiring from the outdoor unit or the system's overall wiring length is longer than specifications. (Longer than 656 ft from the outdoor unit, longer than 1640 ft between ends.) 	 Check the Lossnay address, and set for an address corresponding to interlocked operation. Check the length of the transmission cable wiring.
		PZ-41LSB-E is connected to the Lossnay local remote controller.	 Change to the PZ-52SF-E remote controller (PZ-41SLB-E can not be used with the M-NET).
2	Cannot operate using the MELANS or Lossnay remote controller.	 The address that has been set for the group in MELANS and the address for the Lossnay are different. 	Check the registered address in MELANS.
		The length of the M-NET transmission cable wiring from the power supply unit or the sys- tem's overall wiring length is longer than speci- fications. (Longer than 656 ft from the power supply unit, longer than 1640 ft between ends.)	Check the length of the transmission cable wiring.
		PZ-41LSB-E is connected to the Lossnay local remote controller.	Change to the PZ-52SF-E remote controller (PZ-41SLB-E can not be used with a M-NET system).
3	A unit should operate independently by MELANS or the Lossnay remote controller, but it interlocks with another City Multi unit.	It has been set for interlocked operation with the City Multi unit.	Cancel the interlocked operation setting.
4	Cannot perform group settings for the Lossnay using MELANS, ME	O Power is not supplied to the Lossnay, or power outside specifications is connected.	Check the power for the Lossnay and perform the registration again.
	remote controller, or MA	The M-NET transmission cable is connected to TM2 ⑤,⑥.	Connect the transmission cable to TB5 (A), (B).
	remote controller. (The remote controller shows "88" at the time of regis-	The transmission cable is not properly connected to the MELANS or the City Multi.	Check the transmission cable connection.
	tration.)	The length of the transmission cable wiring is longer than specifications (longer than maximum 656 ft from the power supply unit, longer than 1640 ft between ends.)	Check the length of the transmission cable wiring.
5	When power is supplied to the system, the Lossnay remote controller continues to dis-	The Group setting was made on a Lossnay remote controller in a system connected to a centralised controller MELANS.	In a system connected to MELANS, make the group setting with the MELANS (Do not make the group setting with the Lossnay remote controller).
	play "HO" and does not start. (Group registration information disappears.)	 The length of the transmission cable wiring is longer than specifications (longer than maxi- mum 656 ft from the power supply unit, longer than 1640 ft between ends.) 	Check the length of the transmission cable wiring.
6	When power is supplied to the system, the remote control display goes	Over the number of units that can be controlled with the Lossnay remote controller.	Check remote control unit number limitations when using a power supply unit
	blank and the system does not start.	The length of the transmission cable wiring is longer than specifications (longer than maximum 656 ft from the power supply unit, longer than 1640 ft between ends.)	Check the length of the trans- mission cable wiring.

No.	Symptom	Cause	Corrective action
7	The power display " • " does not display when	When using City Multi and Lossnay interlocked system (connected to the indoor unit system)	
	power is supplied to the system.	The transmission cable is not correctly connected to the Lossnay remote controller.	Check the transmission cable connection.
		The power is not turned on for the outdoor unit.	Check the power to the outdoor unit.
		 The length of wiring for the outdoor unit's M- NET transmission cable is longer than specifi- cation (longer than 656 ft). 	Check the length of the transmission cable wiring.
		② When using a Lossnay individual system or City Multi and Lossnay interlocked system con- nected to the central system.	
		The power supply unit is not connected to the transmission cable.	Connect to the power supply unit.
		 The power to the power supply unit is not turned on. 	Check the power to the power supply unit.
		 The length of wiring of the M-NET transmission cable from the power supply unit is longer than specification (longer than 656 ft). 	Check the length of the transmission cable wiring.
8	The "HO" on the remote	O Lossnay is Not supplied with specified power.	Check the power to the Lossnay.
	controller continues to flash when the power is supplied to the system.	The address for the Lossnay remote controller does not have a group setting at the MELANS.	Check the Lossnay remote controller address registration with the MELANS ("HO displays for 3 – 10 minute when electricity is supplied to the system).
		The M-NET transmission cable is connected to TM2 ⑤,⑥.	○ Connect the transmission cable to TB5 (A), (B).
		 For a Lossnay individual system with no MELANS, Lossnay registration has not been performed by the Lossnay remote controller. 	 Check the Lossnay registration with the Lossnay remote con- troller.
9	"LC 6608" displays on the remote controller and the Lossnay does not operate.	○ The remote controller is PZ-41LSB-E and connected to the TB5 (A), (B).	Change to the PZ-52SF-E remote controller (PZ-41SLB-E can not be used with a M-NET system).
10	The operation specified by the centralised controller differs from the operation of the Lossnay.	○ The remote controller is PZ-41SLB-E and connected to the TM2 ⑤,⑥.	 Change to the PZ-52SF-E remote controller (PZ-41SLB-E can not be used with a M-NET system).

(2)Trouble Mode 2

- •An error code displays on the remote controller.
- ●The LED of the Lossnay circuit board is blinking.

An error code displayed on the remote controller (PZ-41SLB-E, PZ-52SF-E) or the M-NET controller and blinking or illumination of LED1 (green) or LED2 (red) on the circuit board shows the type of error. The LED blink interval is 0.25 seconds for both on and off. The display duration is approximately 5 seconds.



Error display example: Fan motor operation device error

Error code	(green)	LED 2 (red)	Symptom	Cause	Corrective action
LC 6608	_	_	Lossnay communi- cation	When using multiple Lossnay units, the main/sub setting has not been made for the second unit and following units.	 Turn off the main power supply and set the Main/Sub switch (SW1) (first unit to main, second and following units to sub).
			error	 Multiple transmission cables have been wired using multi core wires. 	 Wire the transmission cable away from the other transmission cable.
				 Transmission cable and power cable are too close. 	 Wire the transmission cable at least 5 cm away from the power supply cable.
				 Transmission cable is not securely connected. 	Check the transmission cable connection.
				 The length of wiring of the transmis- sion cable is longer than specifica- tion (longer than 1640 ft). 	Check the length of the transmission cable wiring.
RC6608 SRC 6608	_	_	Communica tion error	 Multiple transmission cables have been wired using multi core wires. 	 Wire the transmission cable away from the other transmission cable.
			between remote con-	 Transmission cable and power sup- ply cable are too close. 	 Wire the transmission cable at least 5 cm away from the power supply cable.
			trollers (when 2	 Transmission cable is not securely connected. 	Check the transmission cable connection.
			remote con- trollers are connected)	 The length of wiring of the transmission cable is longer than specification (longer than 1640 ft). 	Check the length of the transmission cable wiring.
LC 0900 SLC 0900	_	_	Lossnay trial opera- tion	 Trial operation switch on the Lossnay circuit board (SW 2-1 or SW 2-3) is set to ON board. 	Check the test operation switch.
LC 4000 SLC 4000	2 blinks	_	Fan motor operation device error	Cossnay fan will not stop.	Replace the table.
LC 3602 SLC 3602	3 blinks	_	Damper related	Opamper board operation is not correct.	Remove the load and check or move the damper board by hand.
			error	 Connectors for the damper unit are not correctly connected. 	Check the connection of the lead wire's connectors and the circuit connector.
LC 5101 SLC 5101	4 blinks	_	OA thermis- tor related error	 Connectors for the thermistor are not correctly connected. 	Check the connection of the lead wires connectors and the circuit connector.
LC 5102 SLC 5102	5 blinks	_	RA thermis- tor related error	 Connectors for the thermistor are not correctly connected. 	Check the connection of the lead wires connectors and the circuit connector.
	9 blinks	_	Remote controller	 Multiple transmission cables have been wired using multi core wires. 	 Wire the transmission cable away from the other transmission cable.
			communi- cation	 Transmission cable and power sup- ply cable are too close. 	 Wire the transmission cable at least 5 cm away from the power supply cable.
			error	 Transmission cable is not securely connected. 	Check the transmission cable connection.
				 The length of wiring of the transmission cable is longer than specification (longer than 1640 ft). 	Check the length of the transmission cable wiring.
"Filter" blink- ing	_	_	Warning to clean air filter by comulative operation time	 Interval for cleaning Lossnay air filter has elapsed. 	After cleaning the air filter press the "Filter" button on the remote controller 2 times.
"HO" blinking	blink- ing	_	System is starting	 LED1 blinks at 1 second intervals during starting operation (maximum of 45 seconds.) 	○ There is no error.

^{*1} LC: Lossnay set to Main SLC: Lossnay set to Sub RC, SRC: remote controller (PZ-41SLB-E)

^{*2} Because the LGH-F1200RX type is loaded with 2 control circuit units, "SLC" may display even with only 1 Lossnay. When "SLC" displays, check and perform maintenance on the upper side circuit.

②Checklist of error codes displayed on the PZ-52SF-E, M-NET controllers, and LED displays (Table 2-2)

Error code	LED1 (green)	LED 2 (red)	Symptom	Cause	Corrective action
6600	_	6 blinks	Multiple address error	 There is another unit with the same address setting. 	Check the addresses of devices in the system.
6607 6608	_	8 blinks	No ACK error No answer error (M- NET com- munication error)	 Power supply to Lossnay is not turned on. Lossnay address was changed. Multiple transmission cables have been wired using multi core wires. Transmission cable is not securely connected. The length of wiring of the transmission cable is longer than specifications (longer than maximum 656 ft from the power supply unit, longer than 1640 ft between ends). 	 Check the power to the Lossnay. Check the Lossnay address. Wire the transmission cable away from the other transmission cable. Check the transmission cable connection. Check the length of the transmission cable wiring.
0900		_	Lossnay trial opera- tion	 Trial operation switch on the Lossnay circuit board (SW 2-1 or SW 2-3) is set to ON. 	Check the trial operation switch.
4116	2 blinks	_	Fan motor operation device error	C Lossnay fan will not stop.	Replace the table.
3602	3 blinks	_	Damper related error	Damper board operation is not correct.Connectors for the damper unit are not correctly connected.	Remove the load and check or move the damper board by hand. Check the connection of the lead wires connectors and the circuit connector.
5101	4 blinks	_	OA thermistor related error	Connectors for the thermistor are not correctly connected.	Check the connection of the lead wires connectors and the circuit connector.
5102	5 blinks	_	RA thermis- tor related error	Connectors for the thermistor are not correctly connected.	Check the connection of the lead wires connectors and the circuit connector.
6602 6603 6604	_	1 - 5 blinks	Communic ation cir- cuit section error	Error with transmission cable.Controller where error originally occurred is defective.Lossnay board is defective.	 Check transmission cable relations. Check the controller where the error occurred. Replace the circuit board.
	_	Lit	No M-NET connection information	Lossnay does not have Group setting (registration) made.	Check the Lossnay address and confirm that the group setting is made.
Filter blinking	_	_	Warning to clean air filter by comulative operation time	 Interval for cleaning Lossnay air filter has elapsed. 	After cleaning the air filter press the "Filter" button on the remote controller 2 times.
	Lit		In delayed start oper- ation	 Delayed start operation is set at the function select switch (SW 5-1) on the Lossnay circuit board. 	○ There is no error.
	LED6 (red) off		No power to M-NET transmis- sion cable	Power supply is not supplied to the M-NET transmission cable. Wiring length of the transmission cable is from the power supply unit or the outdoor unit is longer than specification (maximum extension 656 ft).	Check the connection of the power supply unit, outdoor unit and transmission cable. Check the length of the transmission cable wiring.

^{*1} The letters "LC" that display with the error code show a Lossnay unit type, and the number in the third column shows the address.

^{*2} Because the LGH-F1200RX type is loaded with 2 control circuit units, 1 Lossnay unit has 2 addresses. Check and perform maintenance on the table related to the address set at the address switch (SA1, SA2).

(3)Trouble Mode 3: The remote controller does not operate or operates irregularly.

①Checklist for when using the PZ-41SLB-E (Table 3-1)

No.	Symptom	Cause	Corrective action
1	Nothing displays on the LCD.	Transmission cable is connected to the wrong terminal	Check the transmission cable connection (connected to ⑤,⑥ of terminal unit TM2 on the Lossnay board).
		O No Lossnay is set to "Main."	 Turn off the main power supply and set the Main/Sub switch (SW1) (first unit to main, second and following units to sub).
		O Power supply to the Lossnay is not turned on.	Check the power supply to the Lossnay.
		 Lossnay is connected to a power supply with a rating outside specification. 	Check the power supply.
		Transmission cable is not securely connected.	Check the transmission cable connection.
		The length of wiring of the transmission cable is longer than specification (longer than 1640 ft).	Check the length of the transmission cable wiring.
2	Starts or stops, or the display changes, by	Multiple transmission cables have been wired using multi core wires.	Wire the transmission cable away from the other transmission cable.
	itself.	 Transmission cable and power supply cable are too close. 	Wire the transmission cable at least 5 cm away from the power supply cable.
3	Displays a error code	O Letters on the remote controller LCD are dim.	Replace the remote control.
	that is not in the check list.	 The release of the Delay Start button or the Filter Reset button is not good. 	Replace the remote control.
4	Cannot stop the Lossnay with the remote controller (display shows "Interlocked").	External priority ON/OFF setting is made.	Check the interlocked operation mode setting.
5	Cannot switch fan speed with the remote con-	○ High/Low change input (CN16) is ON.	Check the High/Low change input (CN16).
	troller.	The function select switch (SW2-4.5) on the Lossnay circuit has the fixed high or fixed low speed set.	Check the function select switch (SW 2-4.5)
6	Lossnay operates when the main power supply turns on and the remote controller displays.	Main power supply was cut during Lossnay operation.	Stop the Lossnay with the remote controller, then wait at least 10 second and turn off the main power supply .

②Checklist for when using PZ-52SF-E (Table 3-2)

No.	Symptom	Cause	Corrective action
1	Nothing displays on the LCD.	Transmission cable is connected to the wrong terminal	Check the transmission cable connection (connected to (A), (B) of terminal unit TB5 on the Lossnay board).
		 There is no power supply unit (for Lossnay only systems). 	O Install the power supply unit.
		The power supply unit is not turned on.	Check the power to the power supply unit.
		Transmission cable is not securely connected.	Check the transmission cable connection.
		 Wiring length of the transmission cable is from the power supply unit or the outdoor unit is longer than specifications (maximum extension 656 ft). 	Check the length of the transmission cable wiring.

No.	Symptom	Cause	Corrective action
2	Displays "HO" and does not start.	It is less than 10 minutes since the power was supplied to the system.	After supplying power to the system, HO blinks for a maximum of about 10 minutes. (This is not an error.)
		Group setting (registration) has not been made.	Make the group setting (registration). If using a system with a centralised controller, register at the centralised controller. If there is only the Lossnay remote controller, register at the remote controller.
		 Remote control address has not been registered in the group setting by the centralised controller. 	Check the group setting at the MELANS.
		O Power supply to the Lossnay is not turned on.	Check the power supply to the Lossnay.
		Lossnay is connected to a power supply with a rating outside specification.	Check the power supply.
		Lossnay transmission cable connection terminal is wrong.	Check the transmission cable connection (connected to (A), (B) of terminal unit TB5 on the Lossnay board).
		O Lossnay address was changed.	Check the Lossnay address.
		Lossnay board was changed.	If the board has been replaced, reset the group settings.
		The length of wiring of the transmission cable is longer than specifications (longer than maximum 656 ft from the power supply unit, longer than 1640 ft between ends).	Check the length of the trans- mission cable wiring.
3	Cannot register the Lossnay from the remote	O Power supply to the Lossnay is not turned on.	Check the power supply to the Lossnay
	controller or the controller.	Lossnay is connected to a power supply with a rating outside specification.	Check the power supply.
		 Transmission cable to the Lossnay is not con- nected. 	Check the transmission cable connection.
		Lossnay transmission cable connection terminal is wrong.	Check the transmission cable connection (connected to (A), (B) of terminal unit TB5 on the Lossnay table).
		C Lossnay address is wrong.	Check the Lossnay address.
		The length of wiring of the transmission cable is longer than specifications (longer than maximum 656 ft from the power supply unit, longer than 1640 ft between ends).	Check the length of the transmission cable wiring.
4	Starts or stops, or the display changes, by itself.	Set for interlocked operation with City Multi.	Cancel interlocked operation setting.
5	Displays a error code that is not in the checklist.	O Letters on the remote controller LCD are dim.	Replace the remote controller.
6	Cannot stop the Lossnay with the remote controller	"Cancel Operation" setting is made from the MELANS.	Check the settings of the MELANS.
	(display shows "Central").	External priority ON/OFF setting is made.	Check the interlocked operation mode setting.
		Remote/nearby switch input (CN32) is set to "Remote."	Check the remote/nearby change input (CN32).

(4)Trouble Mode 4: The Lossnay does not operate or operates irregularly.

①Lossnay checklist (Table 4).

No.	Symptom	Cause	Corrective action
1	The fan does not operate. The fan does not operate normally.	 Connectors for the fan connection or connectors for the control circuit section connection are not secure. Power supply is not supplied to the Lossnay, or power outside specifications is connected. Lossnay group setting is not made by using the M-NET. (LED2 lights) 	 Check the lead wire connectors and the control circuit section connectors. Check the power supply Check the Lossnay address and the group setting (LED2 lights when not using M-NET. This is no error.)
2	Interlocked operation with external device (air conditioner) does not occur.	 The type of external signal does not match the connected terminal unit (charged, uncharged, Mr. Slim signal). The type of external signal does not match the pulse input switch (SW2-2) setting (level signal, pulse signal). The external device signal is not being input. The external device and signal cable wiring is longer than specifications (12V DC, 24V DC: Longer than limitations of external device Uncharged a-contact: Longer than 1640 ft Mr. Slim signal: Longer than 1640 ft The Delayed Start mode is set at the remote controller (PZ-41SLB-E) or the function select switch (SW 5-1) on the Lossnay circuit board. The ON Interlocked Operation mode or OFF Interlocked Operation mode is set at the remote controller (PZ-41SLB-E) or the function select switch (SW 5-7,8) on the Lossnay circuit board. When using multiple Lossnay units, the external control input signal is connected to a unit with the "Sub" setting made. In a group of multiple Lossnay units with the MNET, the external control input signal is connected to a Lossnay unit other than the one with the smallest address. 	Check the external signal type and the external control input terminal (TM2) connection. Check the external signal type and the pulse input switch (SW2-2) setting. Check the external device. Check the wiring length of the signal cable. Check the delayed start settings of the remote controller (PZ41SLB-E) and the function select switch (SW5-1). Check the interlocked operation mode settings of the remote controller (PZ41SLB-E) and the function select switch (SW5-7, 8). Connect the external control input signal to the Lossnay set to "Main." Connect the external control input signal to the Lossnay in the group with the lowest address.
		There is a communication error with the remote controller or controller.	Check the remote controller or controller.
3	Fan will not stop.	○ The trial operation switch (SW 2-1) is ON.	Check the test operation switch (SW2-1).
4	Lossnay operates when main power is turned on.	○ The PZ-41SLB-E is being used.	When the main power supply is turned off while the Lossnay is operating from the remote controller, the Lossnay will resume operation when the main power is turned back on (this is no error).
		 By using the M-NET, the power supply ON/OFF setting is set to ON at the function select switch (SW 2-6) on the Lossnay circuit board. 	 Check the power supply ON/OFF setting of the function select switch (SW2-6).
		O By using the M-NET, the automatic recovery following power supply interruption (refer to page 168) setting is made at the function select switch (SW 5-4) on the Lossnay circuit board.	Ocheck the automatic recovery following power supply interruption setting of the function select switch (SW5-4).

No.	Symptom	Cause	Corrective action
5	Supply air fan periodically stops operating.	 When the outdoor air temperature is 14°F or less, operation stops after a fixed period of about 10 minutes to keep the Lossnay Core from freezing. (Cold weather area spec) When connected to a Mr. Slim or a City Multi by a duct, operation stops when the air condi- 	This is no error.This is no error.
		tioner is defrosting.	
6	Takes in air from out- doors during interlocked operation with a Mr. Slim or a City Multi, but supply air fan doesn't stop oper- ating when defrosting.	The indoor unit's outside air intake selection is invalid.	Set the outdoor air intake selection of a indoor unit to "ON."
7	The supply air fan and exhaust fan both periodically stop operating.	When connected to Mr. Slim or City Multi by a duct and the function select switch (SW 5-3) on the Lossnay circuit board is ON, operation stops when the air conditioner is defrosting.	Check the function select switch (SW5-3).
8	Fan speed will not change.	 The High/Low switching extermary input (CN16) is set to ON. 	Check the High/Low change input (CN16).
		 The function select switch (SW2-4.5) on the Lossnay cir- cuit board is set to the high fixed or low fixed fan speed. 	Check the function select switch (SW2-4,5).
		The trial operation switch (SW2-1) is turned ON.	Check the trial operation switch (SW2-1).
9	Damper board does not	○ The outside air temperature is less than 46.4°F.	○ Check the outdoor air temperature.
	operate.	The damper board operation is defective.	 Remove the load and check or move the damper board by hand.
		The thermistor related connectors are not securely connected.	Check the connections of the lead wire connectors and the circuit connectors.
		The damper related connectors are not securely connected.	Check the connections of the lead wire connectors and the control circuit connectors.
		 The trial operation switch (SW2-1 or SW2-3) is turned ON. 	Check the trial operation switch (SW2-1 or SW2-3).
		 When using the remote controller to change ventilation mode, there may be a delayed start of up to 30 seconds depending on the timing. 	○ This is no error.
10	Operation monitor output is late with regard to external control input ON/OFF.	 When using the PZ-41SLB-E there is a maximum delay of 7 seconds, or without using there is a maximum delay of 3 seconds. 	○ This is no error.
11	Operation monitor output is OFF during operation.	When the function select switch (SW 5-2) on the Lossnay circuit board is ON, for operation monitor output for interlocked operation with the supply air fan, it turns OFF when the out- side air is 14°F or less or when the air condi- tioner is defrosting.	Check the function select switch (SW5-2).
12	Delayed start operation does not work when Delayed start is set.	 When using the PZ-41SLB-E, the circuit func- tion select switch is set for delayed start. 	Set delayed start at the remote controller (the circuit board switch is not in effect when using the PZ-41SLB-E).
13	Lossnay does not operate when power is on even when the power on/off setting is made.	○ Using the PZ-41SLB-E.	 The power supply ON/OFF set- ting is not in effect when using PZ-41SLB-E.
14	Interlocked operation is different from the settings.	When using the PZ-41SLB-E, the circuit function select switch is set for interlocked operation.	 Set interlocked operation at the remote controller (the circuit board switch is not in effect when using the PZ-41SLB-E).

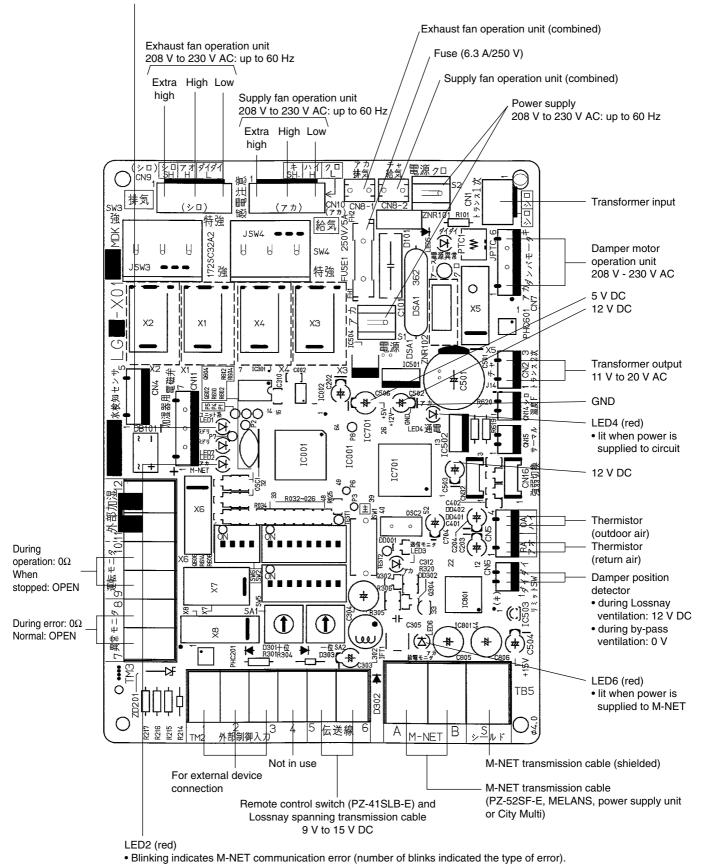
${\Large @} \textit{Temperaturers vs. thermistor resistance table}$

Temperature (°F)	Resistance value ($k\Omega$)	Temperature (°F)	Resistance value ($k\Omega$)	Temperature (°F)	Resistance value ($k\Omega$)	Temperature (°F)	Resistance value ($k\Omega$)	Temperature (°F)	Resistance value (kΩ)
-40	88.85 - ∞	19.4	17.92	46.4	9.57	73.4	5.38	100.4	3.17
:	:	21.2	17.16	48.2	9.20	75.2	5.19	102.2	3.06
-4	32.43	23	16.43	50	8.84	77	5.00	104	2.96
-2.2	30.92	24.8	15.74	51.8	8.49	78.8	4.82	105.8	2.86
-0.4	29.50	26.6	15.08	53.6	8.17	80.6	4.65	107.6	2.77
1.4	28.14	28.4	14.45	55.4	7.85	82.4	4.49	109.4	2.68
3.2	26.87	30.2	13.86	57.2	7.55	84.2	4.33	111.2	2.59
5	25.65	32	13.29	59	7.27	86	4.18	113	2.51
6.8	24.51	33.8	12.74	60.8	6.99	87.8	4.03	114.8	2.43
8.6	23.42	35.6	12.22	62.6	6.73	89.6	3.89	116.6	2.35
10.4	22.39	37.4	11.72	64.4	6.48	91.4	3.76	118.4	2.28
12.2	21.41	39.2	11.25	66.2	6.24	93.2	3.63	120.2	2.21
14	20.48	41	10.80	68	6.01	95	3.51	122	2.14
15.8	19.58	42.8	10.37	69.8	5.79	96.8	3.39	:	:
17.6	18.73	44.6	9.96	71.6	5.58	98.6	3.28	189.5	0.72 - 0

4-3 Circuit Test Point

LED1 (green)

- When blinking, there is an error with the Lossnay unit (number of blinks indicates the type of error).
- Blinks at 1 second intervals when starting.
- Lit during delayed start, normally off at other times.



- Lit when not connected to other M-NET units (registered).

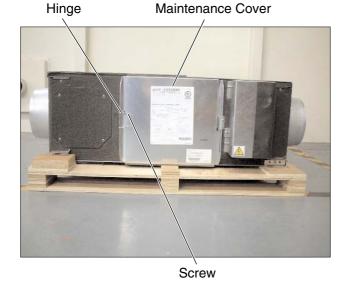
5. Overhaul procedures

5-1 Blower Parts

- ①Remove the cover fixing screw.
- ②Pull back the hinged clip.

Open the door and lift off of the hinge brackets.

LGH-F300RX3-E,LGH-F600RX3-E



LGH-F1200RX₃-E Hinge Maintenance Cover



Screw

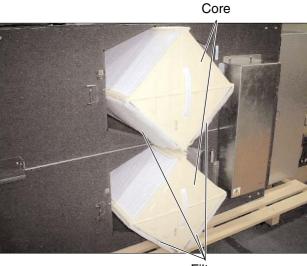
3 Take hold of the handle and draw the Lossnay cores out from the unit.

LGH-F300RX3-E,LGH-F600RX3-E

Core

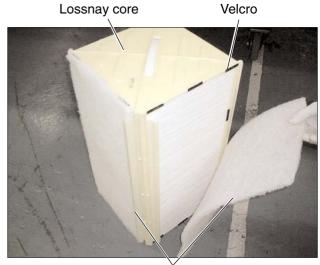
Filter

LGH-F1200RX3-E



Filter

(4) After pulling out the Lossnay cores. Pull the air filters, located at the bottom left and right of the Lossnay cores, off the velcro that holds them in place.



Air filters

⑤Remove screw from the core-guide,Remove coreguide.



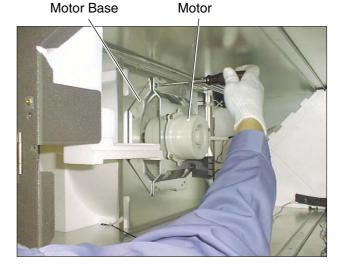
Core Guide

®Remove separator from the blower portion.



Separator

?Remove screws from the motor base.



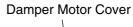
®Remove the pre-assembled blower.



Pre-assembled Blower

5-2 Damper Movement Motor Part (All units available) ①Remove (2) screws out from the damper motor Dampe

cover.





②Take the damper movement motor out of the cover.



Damper Movement Motor

5-3 Circuit Board Part (1)LGH-F300RX3-E,LGH-F600RX3-E

①Remove (2) screws from the control cover and open the control cover.



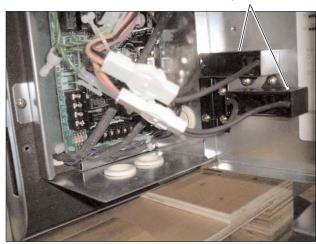
Control Cover

Caution:

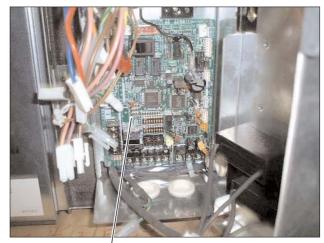
When assembling again, should clamp same as right fig.



Capacitors



- ③Remove all harnesses connected to the circuit board.
- 4 Take the circuit board out.



Circuit Board

①Remove (2) screws from the control cover and open the control cover.



Control Cover



- ②Remove all harnesses connected to the circuit board.
- ③Take the circuit board out.



Circuit Board

6. Parts list

Please note the following when using the parts list.

- 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. No further notice if the specification changes.
- 4. Parts marked with △ and are critical for safety.
- 5. To maintain safety and performance, always replace the parts with the parts prescribed.
- 6. The numbers that are circled in the exploded view are the same as the reference number for the part being indicated.
- 7. When replacing the parts to which the nameplate is attached, remove the nameplate and attach it to the new parts.

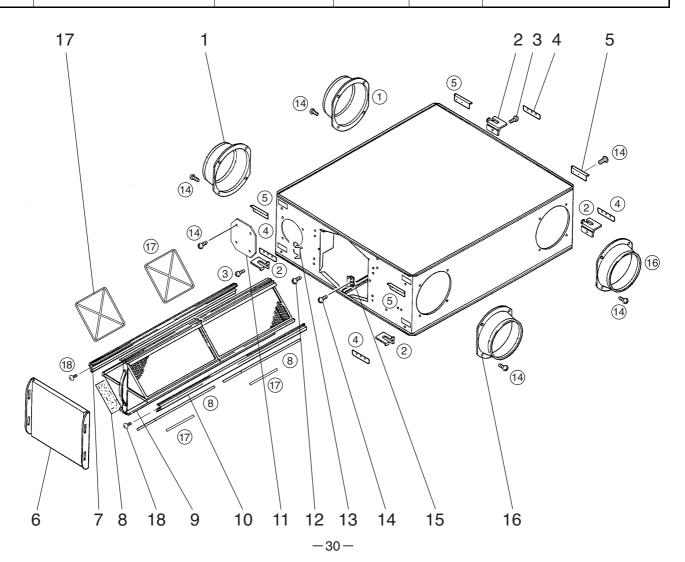
Description of screw abbreviations



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

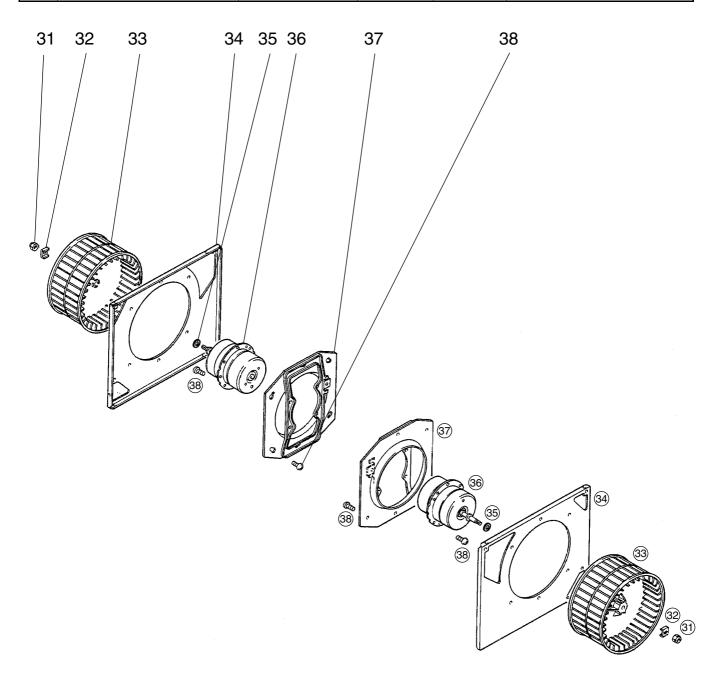
LGH-F300RX3-E

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
1	Flange	R50 028 610	2		
2	Hanger	R50 476 380	4		
3	PTT screw 5x10	H00 189 007	4		
4	Hanger support	R50 483 705	4		
5	Hanger cover	Y50 061 704	4		
6	Maint. cover	Y50 062 707	1		
7	Core guide	R50 216 381	1		
8	Filter	R50 521 717	4	lacktriangle	
9	Lossnay core	R50 478 713	2	lacktriangle	
10	Core guide	R50 478 382	1		
11	Cover	R50 351 708	2		
12	Spl screw 4x11	M34 074 017	1		
13	Hinge	R50 466 344	1		
14	PTT screw 4x8	H00 000 487	39		
15	Fix piece	Y50 029 712	1		
16	Flange	R50 429 609	2		
17	Filter stopper	R50 521 710	8		
18	PTT screw 4x12	H00 000 488	2		



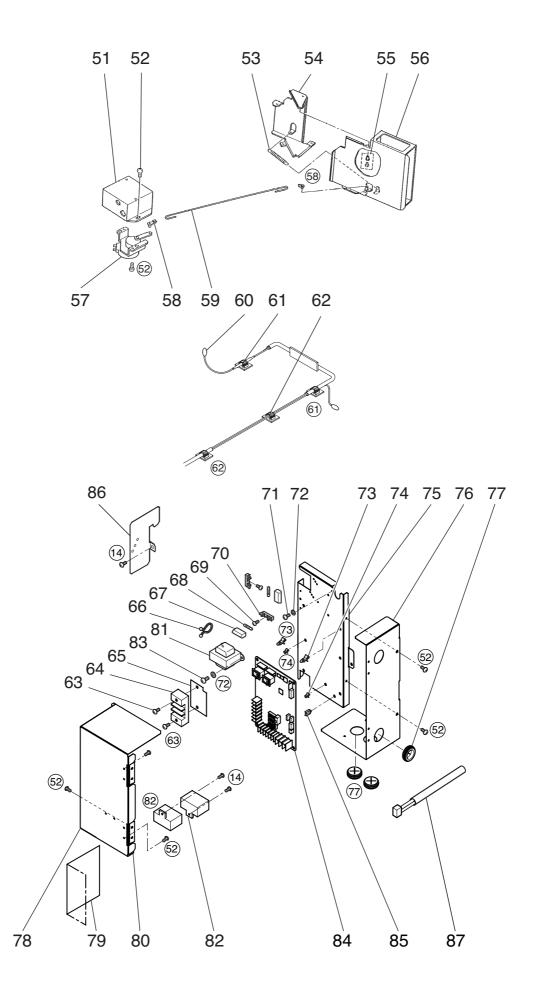
LGH-F300RX3-E

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
31	Special nut (8)	R50 331 067	2		Left-handed
32	Tab washer	M34 398 077	2		
33	Centrifugal fan	R50 351 480	2	Æ	φ 220
34	Fan base	R50 478 707	2		
35	Spl washer (10)	M34 706 465	2		φ40 (Outer dia.)
36	Motor	Y50 113 453	2	Æ	
37	Motor fix plate	R50 351 713	2		
38	PTT screw 5x10	H00 189 007	16		_
					_



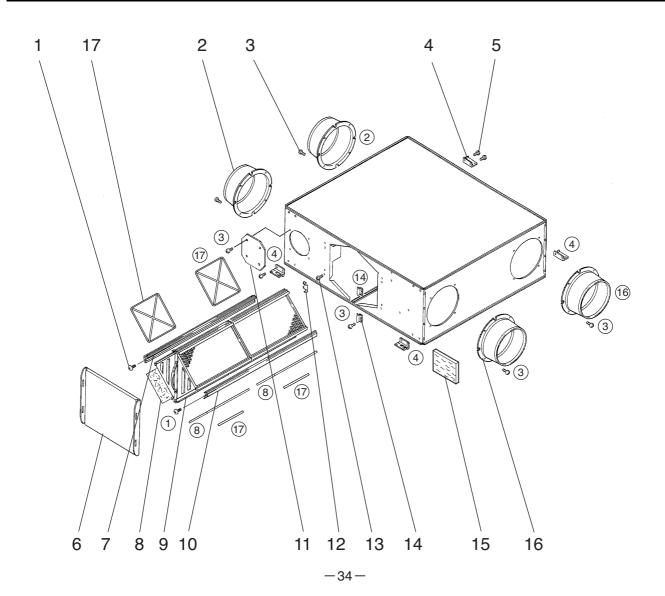
LGH-F300RX3-E

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
51	Motor cover	Y50 061 693	1		
52	PTT screw 4x6	H00 312 007	15		
53	Pull spring	R50 069 156	1		
54	Damper support	R50 472 716	1		
55	Special bush	M31 234 089	2		
56	Damper	R50 472 715	1		
57	Damper motor	Y50 061 260	1	Λ	AC220 · 240 V
58	Special bush	R50 054 225	2		
59	Rod	R50 232 150	1		
60	Thermistor	Y50 113 215	1	Λ	
61	Cord clip	R50 399 223	2		
62	Cord clip	R50 399 224	3		
63	PPT screw 4x12	H00 154 005	2		
64	Terminal block	K81 432 236	1	Λ	3P
65	Insulator plate	Y50 110 226	1		
66	Cord band	M45 017 228	1		Black
67	Fuse cover	Y55 001 280	2		
68	Fuse	Y50 113 280	2	Λ	6.3A·AC250V
69	PPT screw 3x10	H00 000 676	2		
70	Fuse holder	Y55 001 281	2		
71	PT screw 4x8 BS	H00 011 008	2		
72	Lock washer (4)	H00 013 076	4		
73	Support piece	H00 605 095	4		
74	Support piece	H00 605 096	3		
75	Control base	Y50 113 708	1		
76	Side cover	Y50 113 707	1		
77	Bush	K82 163 225	3		
78	Control cover	Y50 113 706	1		
79	Wiring diagram	Y50 114 361	1		
80	Hinge	R50 155 344	2		
81	Transformer	Y50 047 216	1	⚠	AC230V
82	Capacitor	Y50 113 235	2	Δ	4.0μF 440VAC
83	PP screw 4x8	H00 000 003	3		
84	Circuit board	Y50 113 171	1	⚠	LG-X01-A
85	Cord clip	M35 164 224	1		
86	Fix plate	Y50 126 706	1		
87	Lead wire	Y50 047 231	1	⚠	100mm



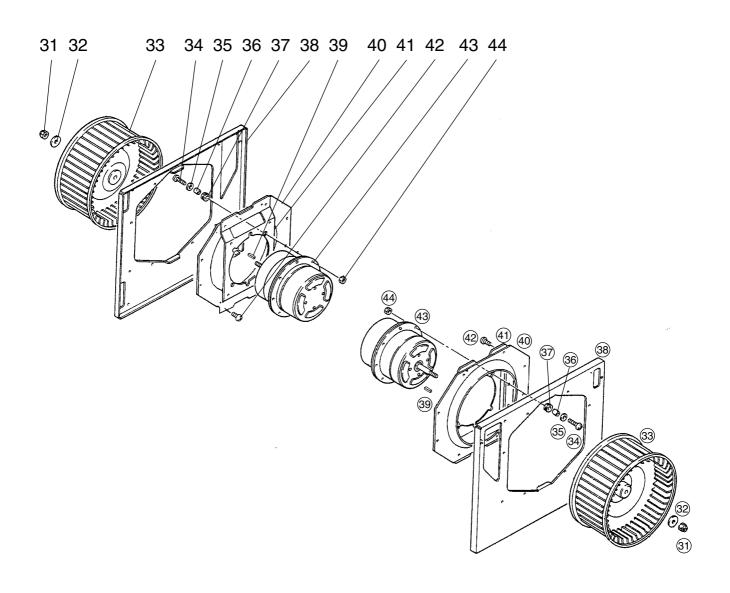
LGH-F600RX3-E

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
1	PTT screw 4x12	H00 000 488	2		
2	Flange	R50 430 609	2		
3	PTT screw 4x8	H00 000 487	59		
4	Hanger	R50 095 380	4		
5	PT screw 6x12	H00 000 244	16		
6	Maint. cover	Y50 039 707	1		
7	Core guide	R50 219 381	1		
8	Filter	R50 522 717	4	⚠	
9	Lossnay core	R50 524 712	2	⚠	With filter stoppers
10	Core guide	R50 481 381	1		
11	Cover	R50 358 704	2		
12	Hinge	R50 466 344	1		
13	Spl screw 4x11	M34 074 017	1		
14	Fix piece	Y50 029 712	2		
15	Sound absorber	Y50 126 718	1		
16	Flange	Y50 021 609	2		
17	Filter stopper	R50 522 710	8		



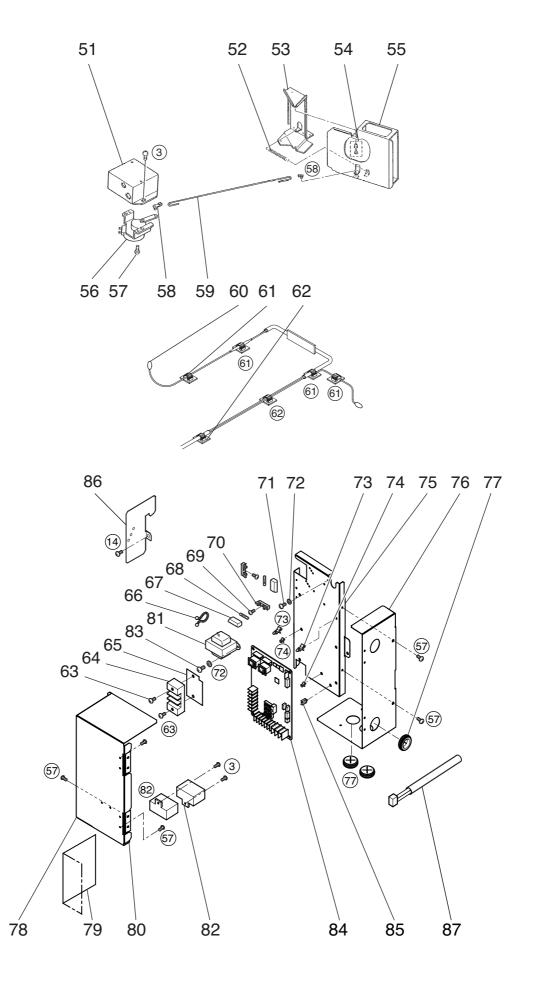
LGH-F600RX3-E

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
31	Special nut (M12)	R50 218 067	2		Left-handed
32	Washer (12)	K83 466 113	2		
33	Centrifugal fan	R50 479 480	2	Æ	φ 245
34	PT screw 6x20	H00 157 008	8		
35	Spl washer (6)	M34 043 080	8		
36	Spacer	R50 000 095	8		
37	Bush	R50 217 225	8		
38	Fan base	R50 480 707	2		
39	Key	Y50 033 104	2		5x5x11.5
40	Inlet ring	R50 264 711	2		
41	Motor fix plate	R50 218 712	2		
42	PTT screw 5x10	H00 189 007	16		
43	Motor	Y50 114 453	2	Æ	
44	Nut (M6)	H00 061 050	8		

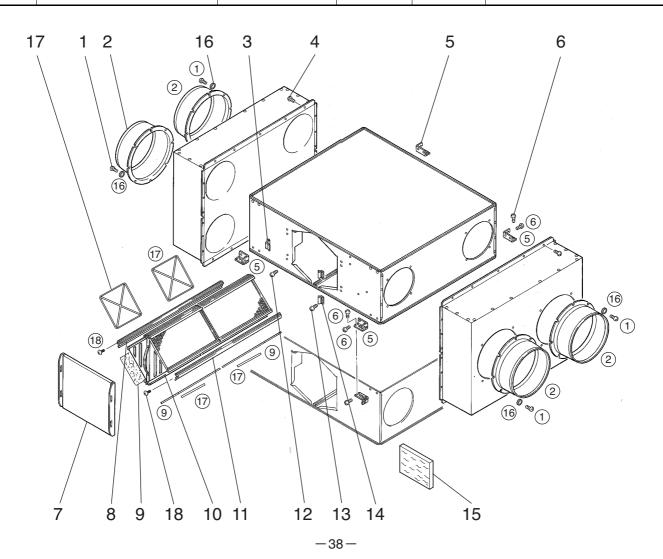


LGH-F600RX3-E

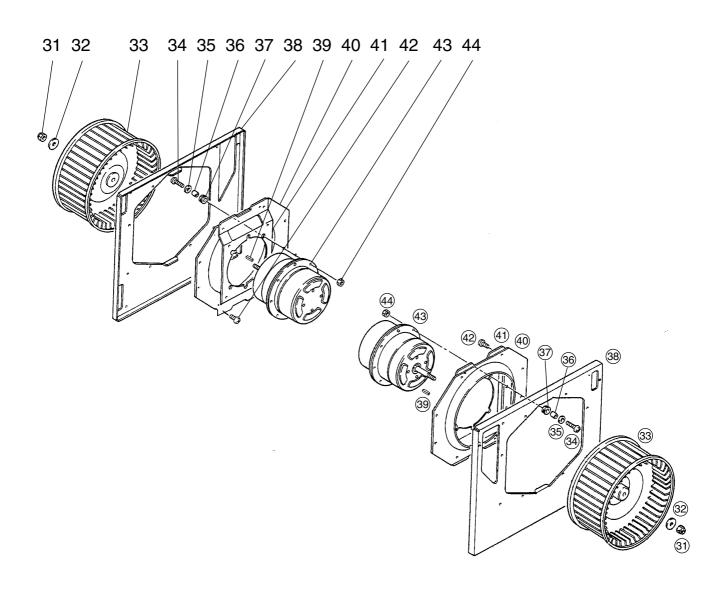
No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
51	Motor cover	Y50 061 693	1		
52	Pull spring	R50 074 156	1		
53	Damper support	R50 473 715	1		
54	Special bush	M31 234 089	2		
55	Damper	R50 473 716	1		
56	Damper motor	Y50 061 260	1	⚠	AC220 · 240 V
57	PTT screw 4x6	H00 312 007	13		
58	Special bush	R50 054 225	2		
59	Rod	R50 265 150	1		
60	Thermistor	Y50 114 215	1	\triangle	
61	Cord clip	R50 399 223	4		
62	Cord clip	R50 399 224	4		
63	PPT screw 4x12	H00 154 005	2		
64	Terminal block	K81 432 236	1	⚠	3P
65	Insulator plate	Y50 110 226	1		
66	Cord band	M45 017 228	1		Black
67	Fuse cover	Y55 001 280	2		
68	Fuse	Y50 113 280	2	⚠	6.3A·AC250V
69	PPT screw 3x10	H00 000 676	2		
70	Fuse holder	Y55 001 281	2		
71	PT screw 4x8 BS	H00 011 008	2		
72	Lock washer (4)	H00 013 076	4		
73	Support piece	H00 605 095	4		
74	Support piece	H00 605 096	3		
75	Control base	Y50 113 708	1		
76	Side cover	Y50 113 707	1		
77	Bush	K82 163 225	3		
78	Control cover	Y50 113 706	1		
79	Wiring diagram	Y50 114 361	1		
80	Hinge	R50 155 344	2		
81	Transformer	Y50 047 216	1	Λ	AC230V
82	Capacitor	Y50 114 235	2	⚠	7.0µF 440VAC
83	PP screw 4x8	H00 000 003	3		
84	Circuit board	Y50 113 171	1	⚠	LG-X01-A
85	Cord clip	M35 164 224	1		
86	Fix plate	Y50 126 706	1		
87	Lead wire	Y50 047 231	1	⚠	100mm



No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
1	PTT screw 4x14	H00 000 333	32		
2	Flange	R50 220 607	4		
3	Hinge	R50 466 344	2		
4	PTT screw 4x10	H00 000 332	48		
5	Hanger	R50 111 381	8		
6	PT screw 6x12	H00 000 244	40		
7	Maint. cover	Y50 039 707	2		
8	Core guide	R50 219 381	2		
9	Filter	R50 522 717	8	⚠	
10	Lossnay core	R50 524 712	4	⚠	With filter stoppers
11	Core guide	R50 481 381	2		
12	Spl screw 4x11	M34 074 017	2		
13	PTT screw 4x8	H00 000 487	89		
14	Fix piece	Y50 029 712	4		
15	Sound absorber	Y50 126 718	2		
16	Special washer (4.2)	H00 479 081	32		
17	Filter stopper	R50 522 710	16		
18	PTT screw 4x12	H00 000 488	4		



No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
31	Special nut (M12)	R50 218 067	4		Left-handed
32	Washer (12)	K83 466 113	4		
33	Centrifugal fan	R50 479 480	4	A	φ 245
34	PT screw 6x20	H00 157 008	16		
35	Spl washer (6)	M34 043 080	16		
36	Spacer	R50 000 095	16		
37	Bush	R50 217 225	16		
38	Fan base	R50 480 707	4		
39	Key	Y50 033 104	4		5x5x11.5
40	Inlet ring	R50 264 711	4		
41	Motor fix plate	R50 218 712	4		
42	PTT screw 5x10	H00 189 007	32		
43	Motor	Y50 114 453	4	Æ	
44	Nut (M6)	H00 061 050	16		



No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
51	Motor cover	Y50 061 693	2		
52	Pull spring	R50 074 156	2		
53	Damper support	R50 473 715	2		
54	Special bush	M31 234 089	4		
55	Damper	R50 473 716	2		
56	Damper motor	Y50 061 260	2	⚠	AC220·240V
57	PTT screw 4x6	H00 312 007	4		
58	Special bush	R50 054 225	4		
59	Rod	R50 265 150	2		
60	Thermistor	Y50 114 215	2	⚠	
61	Cord clip	R50 399 223	8		
62	Cord clip	R50 399 224	8		
63	Control cover	Y50 115 706	1		
64	Hinge	R50 155 344	2		
65	Wiring diagram	Y50 115 361	1		
66	Circuit board	Y50 113 171	2	⚠	LG-X01-A
67	Support piece	H00 605 095	8		
68	Support piece	H00 605 096	6		
69	PP screw 4x8	H00 000 003	4		
70	Lock washer (4)	H00 013 076	4		
71	Transformer	Y50 047 216	2	⚠	AC230V
72	Fuse	Y50 113 280	4	Æ	6.3A·AC250V
73	Capacitor	Y50 114 235	4	Æ	7.0µF 440VAC
74	Cord band	K83 170 228	2		White
75	Control base	Y50 115 704	1		
76	Side cover	Y50 115 707	1		
77	PPT screw 4x12	H00 154 005	4		
78	Terminal block	K81 432 236	1	⚠	3P
79	Insulator plate	Y50 110 226	1		
80	Cord clip	H00 479 230	2		
81	Terminal block	K81 429 236	1	⚠	6P
82	Cord clip	M35 164 224	8		
83	PT screw 4x8 BS	H00 011 008	2	_	
84	Bush	K82 163 225	3		
85	Lead wire	Y50 047 231	1	⚠	100mm
86	Fuse cover	Y55 001 280	4		
87	PPT screw 3x10	H00 000 676	4		
88	Fuse holder	Y55 001 281	4		

