

SPLIT TYPE
ROOM AIR CONDITIONER
WALL MOUNTED TYPE

SERVICE MANUAL

Indoor unit
ASTG14LUCA



ERROR DETECTION

INDOOR UNIT REMOTE CONTROL

If you use a wireless remote control, the lamp on the photo detector unit will output error codes by way of blinking patterns.

If you use a wired remote control, error codes will appear on the remote control display.

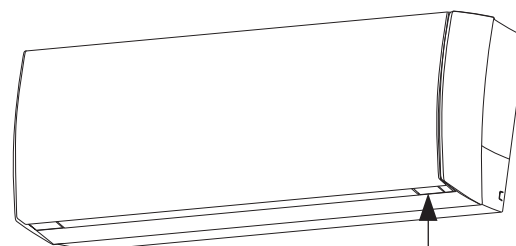
See the lamp blinking patterns and error codes in the table.

An error display is displayed only during operation.

● : 0.5s on / 0.5s off

◇ : 0.1s on / 0.1s off

() : Number of flashing



Indoor unit



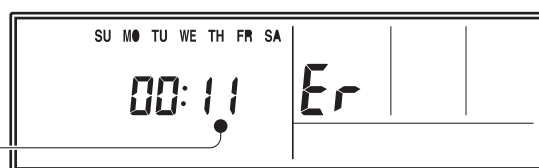
OPERATION lamp (green)

TIMER lamp (orange)

ECONOMY lamp (green)

Wired remote control display (Option)

If an error occurs, the following display will be shown.
("Er" will appear in the set room temperature display.)



Error code

Lamps			Wired remote control	Description
OPERATION	TIMER	ECONOMY		
● (1)	● (1)	◇	11	Serial communication error
● (1)	● (2)	◇	12	Wired remote control communication error
● (1)	● (5)	◇	15	Check run unfinished
● (2)	● (1)	◇	21	Unit number or Refrigerant circuit address setting error [Simultaneous Multi]
● (2)	● (2)	◇	22	Indoor unit capacity error
● (2)	● (3)	◇	23	Combination error
● (2)	● (4)	◇	24	• Connection unit number error (indoor slave unit) [Simultaneous Multi] • Connection unit number error (indoor unit or branch unit) [Flexible Multi]
● (2)	● (7)	◇	27	Master unit, slave unit set-up error [Simultaneous Multi]
● (3)	● (2)	◇	32	Indoor unit PCB model information error
● (3)	● (5)	◇	35	Manual auto switch error
● (4)	● (1)	◇	41	Room temp. sensor error
● (4)	● (2)	◇	42	Indoor unit Heat Ex. Middle temp. sensor error
● (5)	● (1)	◇	51	Indoor unit fan motor error
● (5)	● (3)	◇	53	Drain pump error
● (5)	● (7)	◇	57	Damper error
● (5)	● (8)	◇	58	Intake grille error
● (5)	● (15)	◇	5U	Indoor unit error
● (6)	● (2)	◇	62	Outdoor unit main PCB model information error or communication error
● (6)	● (3)	◇	63	Inverter error
● (6)	● (4)	◇	64	Active filter error, PFC circuit error
● (6)	● (5)	◇	65	Trip terminal L error

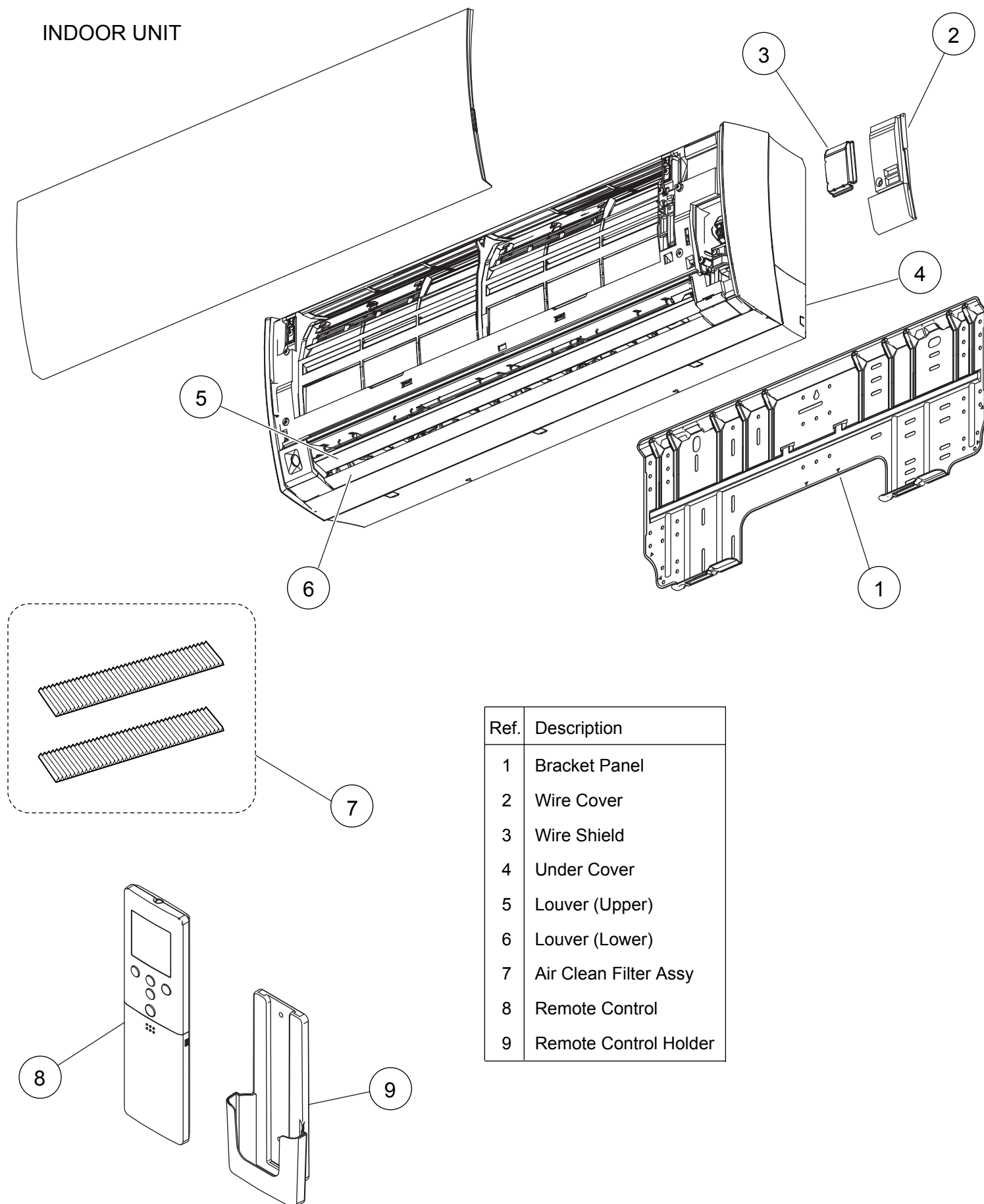
Lamps			Wired remote control	Description
OPERATION	TIMER	ECONOMY		
● (6)	● (10)	◇	6A	Display PCB microcomputers communication error
● (7)	● (1)	◇	71	Discharge temp. sensor error
● (7)	● (2)	◇	72	Compressor temp. sensor error
● (7)	● (3)	◇	73	Outdoor unit Heat Ex. liquid temp. sensor error
● (7)	● (4)	◇	74	Outdoor temp. sensor error
● (7)	● (5)	◇	75	Suction Gas temp. sensor error
● (7)	● (6)	◇	76	• 2-way valve temp. sensor error • 3-way valve temp. sensor error
● (7)	● (7)	◇	77	Heat sink temp. sensor error
● (8)	● (2)	◇	82	• Sub-cool Heat Ex. gas inlet temp. sensor error • Sub-cool Heat Ex. gas outlet temp. sensor error
● (8)	● (3)	◇	83	Liquid pipe temp. sensor error
● (8)	● (4)	◇	84	Current sensor error
● (8)	● (6)	◇	86	• Discharge pressure sensor error • Suction pressure sensor error • High pressure switch error
● (9)	● (4)	◇	94	Trip detection
● (9)	● (5)	◇	95	Compressor rotor position detection error
● (9)	● (7)	◇	97	Outdoor unit fan motor error
● (9)	● (9)	◇	99	4-way valve error
● (10)	● (1)	◇	A1	Discharge temp. error
● (10)	● (3)	◇	A3	Compressor temp. error
● (10)	● (4)	◇	A4	High pressure error
● (10)	● (5)	◇	A5	Low pressure error
● (13)	● (2)	◇	J2	Branch boxes error [Flexible Multi]

OUTDOOR UNIT

LED	ERROR
on	Discharge temperature abnormal
0.5 second on / 0.5 second off	IPM overcurrent protection
0.1 second on / 0.1 second off	Thermistor abnormal
2.0 second on / 2.0 second off	CT abnormal
0.1 second on / 2.0 second off	Compressor location abnormal
5.0 second on / 5.0 second off	Fan abnormal

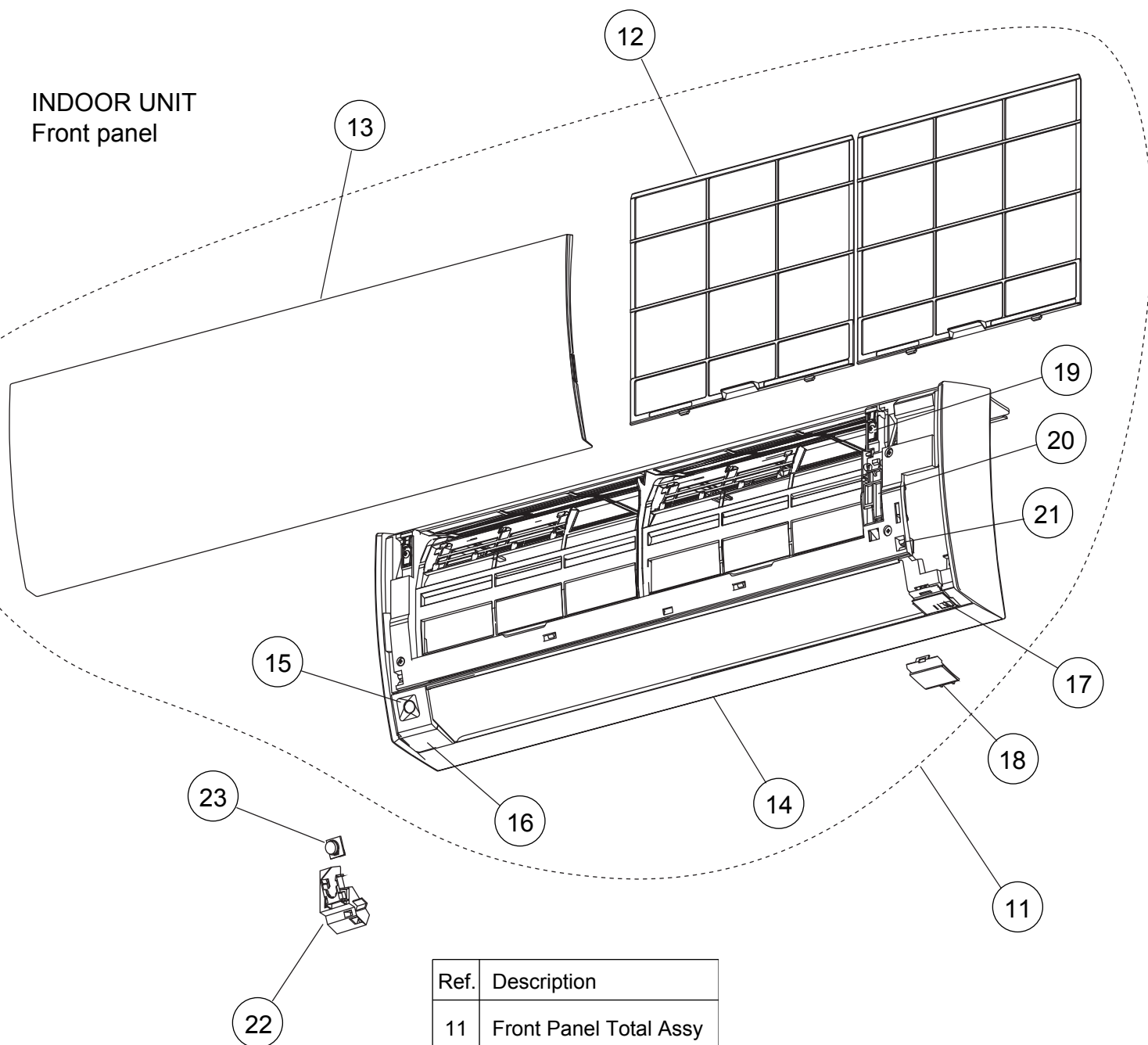
PARTS

INDOOR UNIT



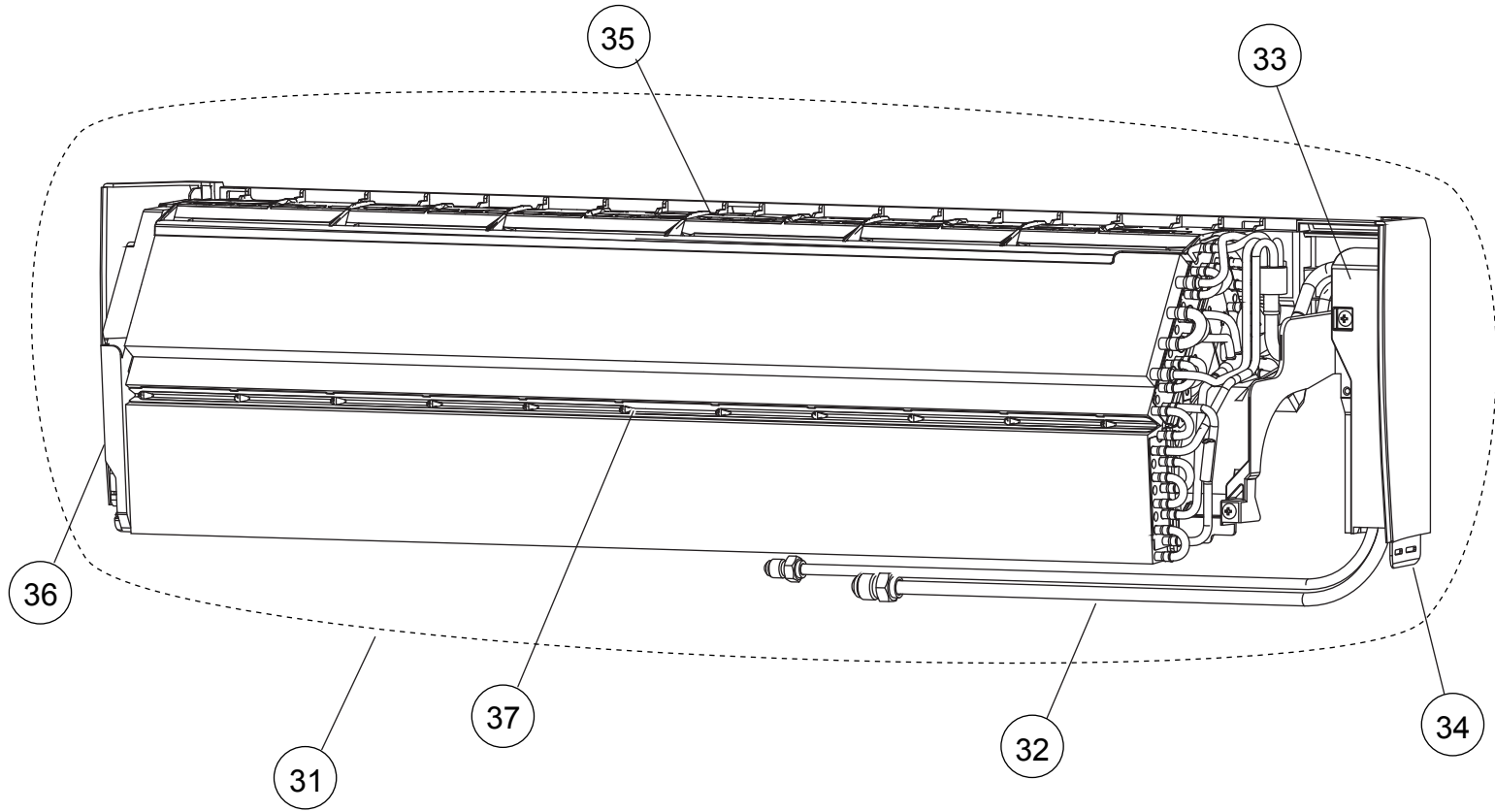
Ref.	Description
1	Bracket Panel
2	Wire Cover
3	Wire Shield
4	Under Cover
5	Louver (Upper)
6	Louver (Lower)
7	Air Clean Filter Assy
8	Remote Control
9	Remote Control Holder

INDOOR UNIT
Front panel

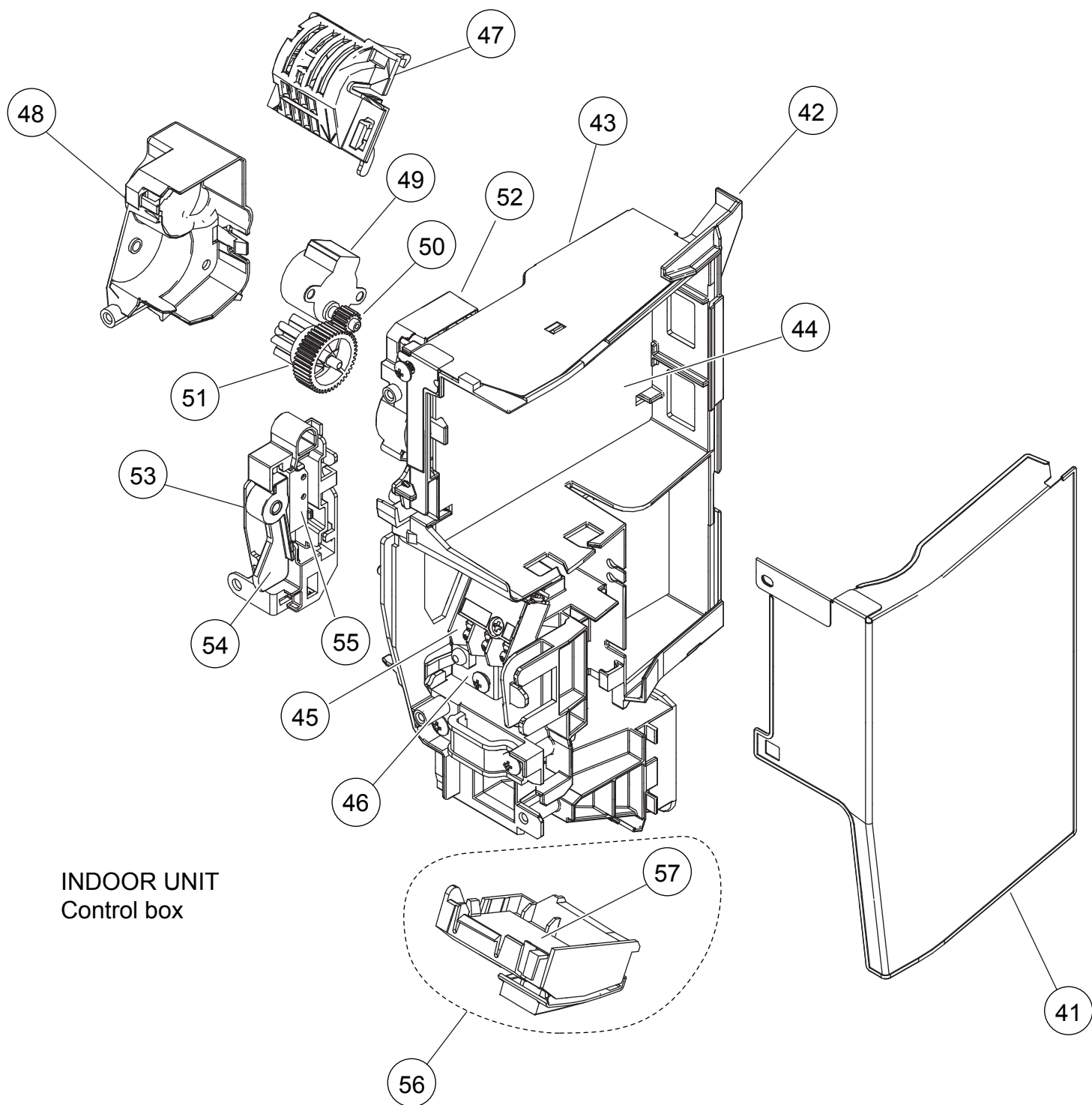


Ref.	Description
11	Front Panel Total Assy
12	Air Filter
13	Intake Grille Assy
14	Front Panel
15	Front Panel Cover T
16	Display Plate Holder L
17	Display Plate Holder R
18	Display Plate R
19	Arm Cover
20	Grille Stay
21	Grille Clasper B
22	Motion LED Display Case
23	Pyroelectric Sensor

INDOOR UNIT
Evaporator



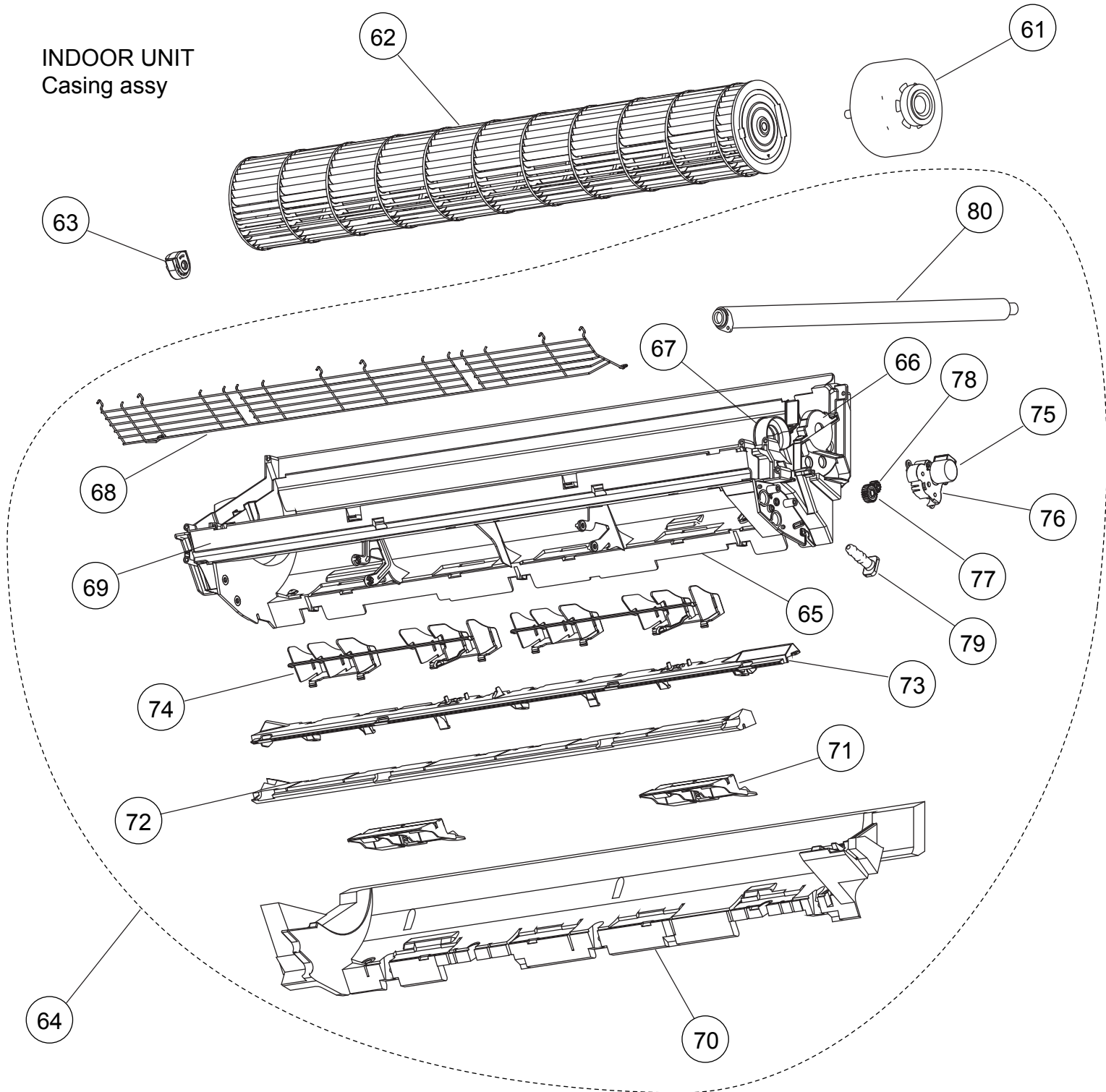
Ref.	Description
31	Evaporator Total Assy
32	Joint Pipe Assy
33	Joint Pipe Holder
34	Base
35	Filter Guide
36	Evaporator Holder L
37	Air Seal



Ref.	Description
41	Cover Shield A
42	Control Box
43	Box Shield Assy
44	Controller PCB Assy
45	Terminal
46	Earth Terminal
47	Room Thermistor Holder
48	Gear Cover
49	Step Motor

Ref.	Description
50	Gear B
51	Panel Gear
52	Gear Case
53	Switch Case
54	Grille Key Top
55	Micro Switch
56	Display Assy
57	Display PCB Assy
--	Thermistor Assy

INDOOR UNIT
Casing assy

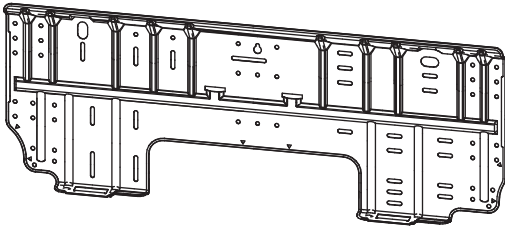
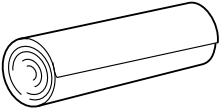
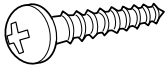
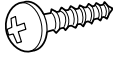


Ref.	Description
61	Fan Motor
62	Crossflow Fan Assy
63	Bearing C Assy
64	Casing Assy
65	Casing
66	Motor Cover
67	Motor Cover
68	Fan Guard
69	Casing Cover F
70	Casing Cover B

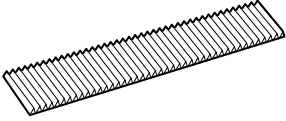
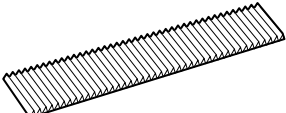
Ref.	Description
71	Pipe Bracket
72	Panel Cover
73	Louver Holder
74	R and L Louver
75	Motor Step
76	Louver Gear Holder
77	Louver Gear
78	Gear A
79	Drain Cap
80	Drain Hose Assy

ACCESSORIES

INDOOR UNIT

Name and Shape	
Bracket panel	
Remote control	
Remote control holder	
Battery (penlight)	
Cloth tape	
Tapping screw (big) (ϕ 4 x 25)	
Tapping screw (small) (ϕ 3 x 12)	

OPTION

Name and Shape	
Air cleaning filter (ion deodorant)	
Air cleaning filter (electric)	

1108G3958