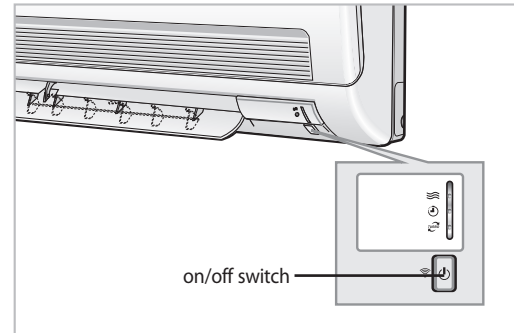# 3. Alignment and Adjustments

3-1 Test Mode

3-1

■ How to Approach Test Mode

You can approach the Test Mode by pressing the on/off switch of
indoor unit for 5 seconds.

on/off switch

■ Test Mode Operation Option

After installing the air conditioner, check whether each subordinate is normally operated or not by operating the Test Mode.

- **When an error occurs, display the Error Mode.**
- **Operation Mode :** Cool mode. Operate the cool mode by operating the compressor by force without the compressor ON/OFF
  according to the set temperature/indoor temperature. (Do not follow the antifreeze control)
- **Up-down louver :** Up-down swing mode
- **Indoor Fan :** High

⚠ • Because the Test Mode operate the cool mode by force not related to the set temperature / indoor temperature, check
whether each subordinate is operated normally or not after completing installation and must turn off the power of the
air conditioner.

3-2 Indoor Display Error and Check Method

Description	LAMP			Main Checking Point
	OPERATION	TIMER	TURBO	
	≋	🕐	TURBO ↻	
Indoor unit room temperature sensor error (open or short)	○	◑	○	3-2P
Indoor unit heat exchanger temperature sensor error (open or short)	◑	◑	○	3-3P
Indoor fan motor malfunction	○	○	◑	3-4P
EEPROM error	◑	◑	◑	Option Setting
Option error (option wasn't set up or option data error)	◑	◑	◑	Option Setting
Outdoor unit error	◑	○	◑	Remote Control on/off Outdoor Unit Power Reset

● : Lamp on, ○ : Lamp off, ◑ : Lamp blink

3-3 Outdoor LED Error Display and Check Method

No.	LED Display			Explanation
	Yellow	Green	Red	
1	O	O	O	Power off/ VDD NG
2	O	O	◎	IPM Over Current(O.C)
3	O	O	●	Abnormal Serial communication
	O	●	●	
4	O	◎	O	Compressor Starting error
5	O	◎	●	Normal Operation
6	O	●	O	Compressor Lock error
7	O	●	◎	DC-Link voltage under/over error
8	◎	O	◎	Outdoor temperature sensor error
9	◎	O	●	Discharge over temperature
10	◎	◎	O	Discharge temperature sensor error
11	◎	◎	●	Current sensor error
12	◎	●	O	Compressor limit error
13	◎	●	◎	Coil temperature sensor error
14	◎	●	●	1min. Time out Communication
15	●	O	O	Fan error
16	●	O	◎	OTP error
17	●	O	●	Compressor rotation error
18	●	◎	O	Operation condition secession(Dual only)
19	●	◎	◎	DC-Link voltage sensor error
20	●	◎	●	I_Trip error / PFC Over current
21	●	●	O	GAS Leak error
22	●	●	◎	AC Line Zero Cross Signal out
23	●	●	●	Power ON reset(1sec)
24	◎	O	O	Capacity miss match
25	O	◎	◎	Test Operation at Cooling Mode
26	◎	◎	◎	Test Operation at Heating Mode

● : LED ON, O : LED OFF, ◎ : LED BLINK

ex) Option No. : *084777- 17524E*

Step 1 : **Enter the Option Setup mode.**

1ˢᵗ   Take out the batteries of remote control.

2ⁿᵈ   Press the temperature ⊕ button simultaneously and insert the battery again.

3ʳᵈ   Make sure the remocon display shown as 🔲 .
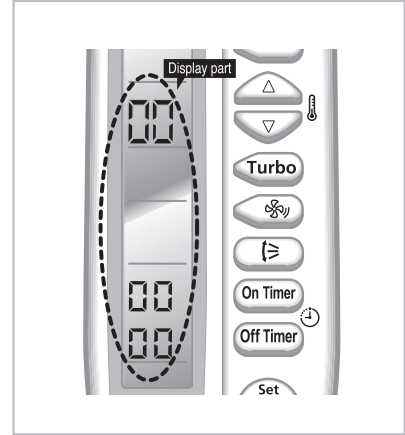
Step 2 : **Enter the Option Setup mode and select your option according to the following procedure.**

1

The default value is 🔲 .

Otherwise, push the (Mode) button to *0*.
Every time you push the button, the display panel reads *1* or *0* repeatedly.

2

Push the ⊕ button to set the display panel to *8*.
Every time you push the button, the display panel reads *0* ➡ *1* ➡ *2* ➡ *3* ➡ ... *9* ➡ *A* ➡ *b* ➡ *c* ➡ *d* ➡ *E* ➡ *F* repeatedly.

3

Push the ⊖ button to set the display panel to *4*.
Every time you push the button, the display panel reads *0* ➡ *1* ➡ *2* ➡ *3* ➡ ... *9* ➡ *A* ➡ *b* ➡ *c* ➡ *d* ➡ *E* ➡ *F* repeatedly.

4

Push the (🌀) button to set the display panel to *7*.
Every time you push the button, the display panel reads *0* ➡ *1* ➡ *2* ➡ *3* ➡ ... *9* ➡ *A* ➡ *b* ➡ *c* ➡ *d* ➡ *E* ➡ *F* repeatedly.

5

Push the (On Timer) button to set the display panel to *7*.
Every time you push the button, the display panel reads *0* ➡ *1* ➡ *2* ➡ *3* ➡ ... *9* ➡ *A* ➡ *b* ➡ *c* ➡ *d* ➡ *E* ➡ *F* repeatedly.

6

Push the (Off Timer) button to set the display panel to *7*.
Every time you push the button, the display panel reads *0* ➡ *1* ➡ *2* ➡ *3* ➡ ... *9* ➡ *A* ➡ *b* ➡ *c* ➡ *d* ➡ *E* ➡ *F* repeatedly.

✳ Setting is not required if you must *0* a value which has a *0* default.

| 7	Press Mode button, then the default value is 00.
8	Push the △ button to set the display panel to *7*. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ … 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.
9	Push the ▽ button to set the display panel to *5*. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ … 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.
10	Push the ❄ button to set the display panel to *2*. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ … 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.
11	Push the On Timer button to set the display panel to *4*. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ … 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.
12	Push the Off Timer button to set the display panel to *E*. Every time you push the button, the display panel reads 0 ➡ 1 ➡ 2 ➡ 3 ➡ … 9 ➡ A ➡ b ➡ c ➡ d ➡ E ➡ F repeatedly.

✴ Setting is not required if you must 0 a value which has a 0 default.

Step 3 : Upon completion of the selection, check you made right selections.

Press the Mode Selection key, Mode to set the display part to 0 and check the display part.

➡ The display part shows 08 47 77.

Press the Mode Selection key, Mode to set the display part to 1 and check the display part.

➡ The display part shows 17 52 4E.

Step 4 : Pressing the ON/OFF button (Set/Cancel)

When pressing the operation ON/OFF key with the direction of remote control for unit, the sound "Ding" or "Diriring"

is heard and the OPERATION ICON(≋) lamp of the display is flickering at the same time, then the input of option is completed.
(If the diriring sound isn't heard, try again pressing the ON/OFF button.)

Step 5 : Unit operation test-run

First, Remove the battery from the remote control.

Second, Re-insert the battery into the remote control.

Third, Press ON/OFF key with the direction of remote control for set.

• Error Mode

1st   If all lamps of indoor unit are flickering, Plug out, plug in power plug again and press ON/OFF key to retry.

2nd   If the unit is not working properly or all lamps are continuously flickering after setting the option code, see if the correct option code is set up for its model.

■ OPTION ITEMS

MODEL / REMOCON	SEG1	SEG2	SEG3	SEG4	SEG5	SEG6	SEG7	SEG8	SEG9	SEG10	SEG11	SEG12
AQV18NSAN AQV18FCN	0	A	D	7	7	7	1	7	5	2	6	E
AQV24NSAN AQV24FCN	0	B	C	7	7	7	1	7	5	2	6	E