

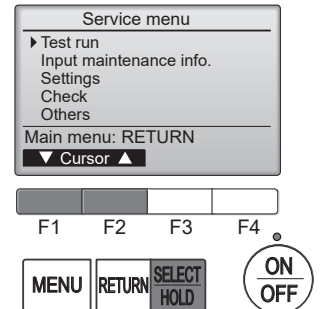
15-4. TEST RUN

15-4-1. PAR-40MAA

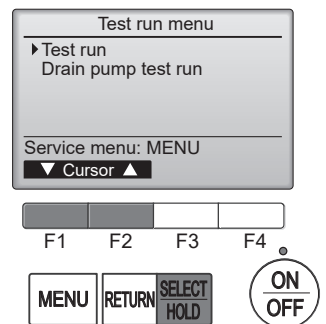
1. Select "Service" from the Main menu, and press the [SELECT] button.



Select "Test run" with the **[F1]** or **[F2]** button, and press the [SELECT] button.



2. Select "Test run" with the **[F1]** or **[F2]** button, and press the [SELECT] button.



Test run operation

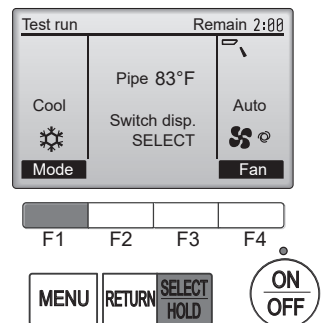
Press the **[F1]** button to go through the operation modes in the order of "Cool and Heat".

Cool mode: Check the cold air blows out.
Heat mode: Check the heat blows out.

Check the operation of the outdoor unit's fan.



Press the [SELECT] button and open the Vane setting screen.



Auto vane check

Check the auto vane with the **[F1]** **[F2]** buttons.



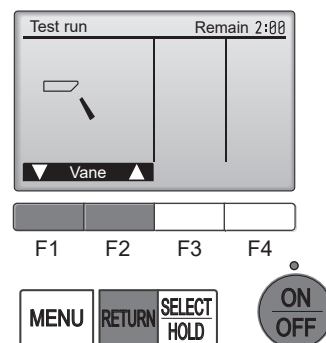
Press the [RETURN] button to return to "Test run operation".



Press the [ON/OFF] button.

When the test run is completed, the "Test run menu" screen will appear.
The test run will automatically stop after 2 hours.

*The function is available only for the model with vanes.



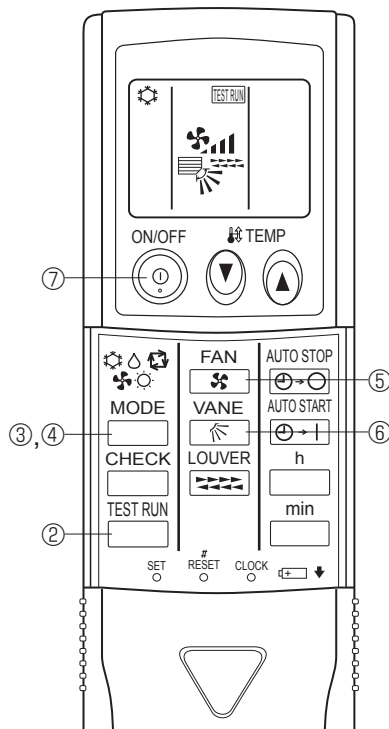
15-4-2. PAR-SL97A-E

Measure an impedance between the power supply terminal block on the outdoor unit and ground with a 500V Megger and check that it is equal to or greater than 1.0MΩ.

- ① Turn on the main power to the unit.
- ② Press the  button twice continuously.
(Start this operation from the status of remote controller display turned off.)
A  and current operation mode are displayed.
- ③ Press the  button to activate  mode, then check whether cool air blows out from the unit.
- ④ Press the  button to activate  mode, then check whether warm air blows out from the unit.
- ⑤ Press the  button and check whether strong air blows out from the unit.
- ⑥ Press the  button and check whether the auto vane operates properly.
- ⑦ Press the ON/OFF button to stop the test run.

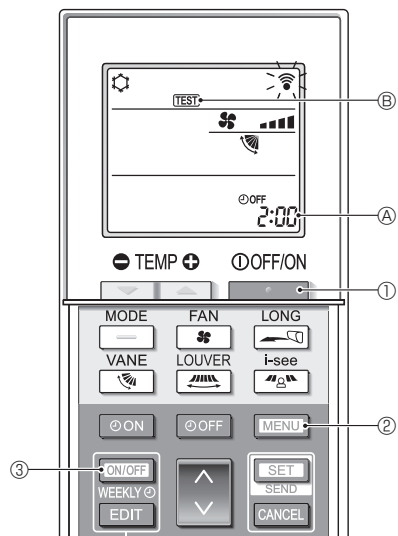
Note:

- Point the remote controller towards the indoor unit receiver while following steps ② to ⑦.
- It is not possible to run in FAN, DRY or AUTO mode.



15-4-3. PAR-SL100A-E

1. Press the  button ① to stop the air conditioner.
 - If the weekly timer is enabled ( is on), press the  button ③ to disable it ( is off).
2. Press the  button ② for 5 seconds.
 -  comes on and the unit enters the service mode.
3. Press the  button ②.
 -  ④ comes on and the unit enters the test run mode.
4. Press the following buttons to start the test run.
 - : Switch the operation mode between cooling and heating and start the test run.
 - : Switch the fan speed and start the test run.
 - : Switch the airflow direction and start the test run.
 - : Switch the louver and start the test run.
 - : Start the test run.
5. Stop the test run.
 - Press the  button ① to stop the test run.
 - After 2 hours, the stop signal is transmitted.



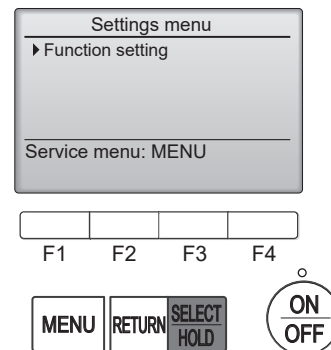
15-5. FUNCTION SETTING

15-5-1. PAR-40MAA

1. Select "Service" from the Main menu, and press the [SELECT] button.

Select "Setting" from the Service menu, and press the [SELECT] button.

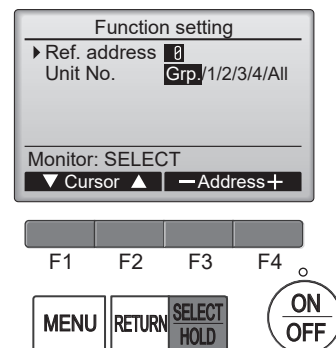
Select "Function setting", and press the [SELECT] button.



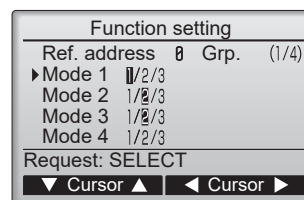
2. Set the indoor unit refrigerant addresses and unit numbers with the [F1] through [F4] buttons, and then press the [SELECT] button to confirm the current setting.

Note: Checking the indoor unit No.

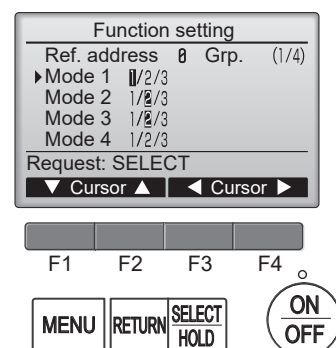
When the [SELECT] button is pressed, the target indoor unit will start fan operation. If the unit is common or when running all units, all indoor units for the selected refrigerant address will start fan operation.



3. When data collection from the indoor units is completed, the current settings appears highlighted.
Non-highlighted items indicate that no function settings are made.
Screen appearance varies depending on the "Unit No." setting.



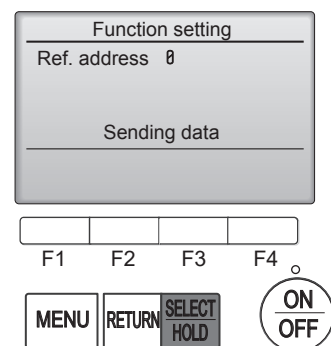
4. Use the [F1] or [F2] button to move the cursor to select the mode number, and change the setting number with the [F3] or [F4] button.



5. When the settings are completed, press the [SELECT] button to send the setting data from the remote controller to the indoor units.
When the transmission is successfully completed, the screen will return to the Function setting screen.

Note: • Make the above settings only on Mr. Slim units as necessary.

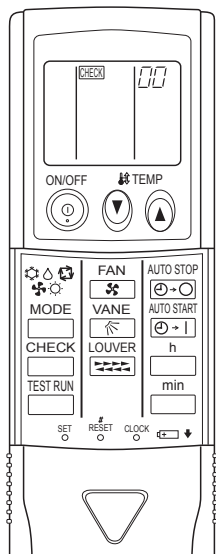
- The above function settings are not available for the CITY MULTI units.
- Table 1 summarizes the setting options for each mode number. Refer to the indoor unit Installation Manual for the detailed information about initial settings, mode numbers, and setting numbers for the indoor units.
- Be sure to write down the settings for all functions if any of the initial settings has been changed after the completion of installation work.



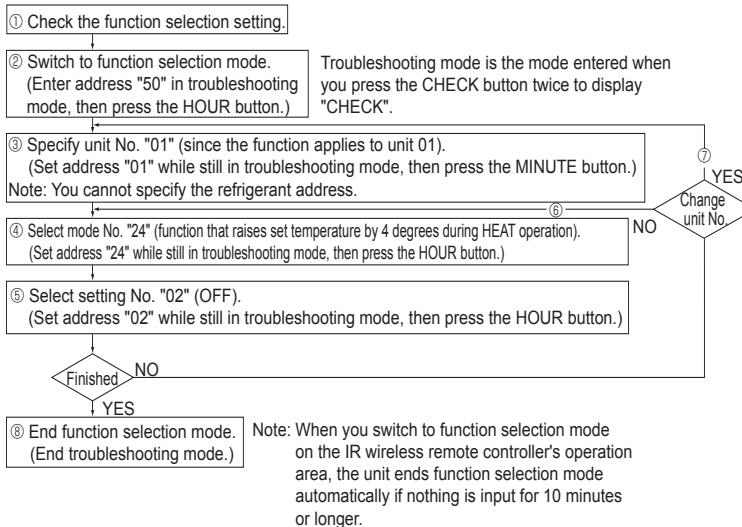
15-5-2. PAR-SL97A-E

Functions can be selected with the wireless remote controller. Function selection using wireless remote controller is available only for refrigerant system with wireless function. Refrigerant address cannot be specified by the wireless remote controller.

[Flow of function selection procedure]



The flow of the function selection procedure is shown below. This example shows how to turn off the function that raises the set temperature by 4 degrees during HEAT operation. The procedure is given after the flow chart.



[Operating instructions]

① Check the function settings.

② Press the button twice continuously. → **CHECK** is lit and "00" blinks.

Press the **TEMP** button once to set "50". Direct the IR wireless remote controller toward the receiver of the indoor unit and press the button.

③ Set the unit number.

Press the **TEMP** button to set the unit number. (Press "01" to specify the indoor unit whose unit number is 01.)

Direct the IR wireless remote controller toward the receiver of the indoor unit and press the button.

(By setting unit number with the button, specified indoor unit starts performing fan operation.

Detect which unit is assigned to which number using this function. If unit number is set to AL, all the indoor units in same refrigerant system start performing fan operation simultaneously.)

Notes:

1. If a unit number that cannot be recognized by the unit is entered, 3 beeps of 0.4 seconds will be heard. Reenter the unit number setting.
2. If the signal was not received by the sensor, you will not hear a beep or a "double ping sound" may be heard. Reenter the unit number setting.

④ Select a mode.

Press the **TEMP** button to set a mode. Press "24" to turn on the function that raises the set temperature by 4 degrees during heat operation. Direct the IR wireless remote controller toward the sensor of the indoor unit and press the button.

→ The sensor-operation indicator will blink and beeps will be heard to indicate the current setting number.

Current setting number: 1 = 1 beep (one second)
2 = 2 beeps (one second each)
3 = 3 beeps (one second each)

Notes:

1. If a mode number that cannot be recognized by the unit is entered, 3 beeps of 0.4 seconds will be heard. Reenter the mode number.
2. If the signal was not received by the sensor, you will not hear a beep or a "double ping sound" may be heard. Reenter the mode number.

⑤ Select the setting number.

Press the **TEMP** button to select the setting number. (02: Not available)

Direct the IR wireless remote controller toward the receiver of the indoor unit and press the button.

→ The sensor-operation indicator will blink and beeps will be heard to indicate the setting number.

Setting number: 1 = 2 beeps (0.4 seconds each)
2 = 2 beeps (0.4 seconds each, repeated twice)
3 = 2 beeps (0.4 seconds each, repeated 3 times)

Notes:

1. If a setting number that cannot be recognized by the unit is entered, the setting will turn back to the original setting.
2. If the signal was not received by the sensor, you will not hear a beep or a "double ping sound" may be heard. Reenter the setting number.

⑥ Repeat steps ④ and ⑤ to make an additional setting without changing unit number.

⑦ Repeat steps ③ to ⑤ to change unit number and make function settings on it.

⑧ Complete the function settings

Press button.

Do not use the wireless remote controller for 30 seconds after completing the function setting.

15-5-3. PAR-SL100A-E

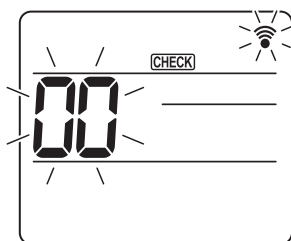


Fig. 15-1

1. Going to the function select mode

Press the **[MENU]** button between of 5 seconds.

(Start this operation from the status of remote controller display turned off.)

[CHECK] is lit and "00" blinks. (Fig. 15-1)

Press the **[DOWN]** button to set the "50".

Direct the wireless remote controller toward the receiver of the indoor unit and press the **[SET]** button.

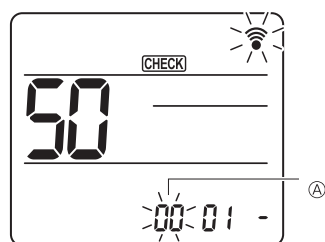


Fig. 15-2

2. Setting the unit number

Press the **[DOWN]** button to set unit number **Ⓐ**. (Fig. 15-2)

Direct the wireless remote controller toward the receiver of the indoor unit and press the **[SET]** button.

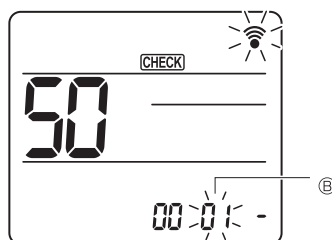


Fig. 15-3

3. Select a mode

Press the **[DOWN]** button to set Mode number **Ⓑ**. (Fig. 15-3)

Direct the wireless remote controller toward the receiver of the indoor unit and press the **[SET]** button.

Current setting number:

1=1 beep (1 second)

2=2 beep (1 second each)

3=3 beep (1 second each)

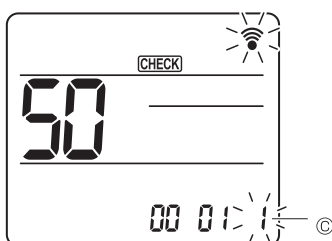


Fig. 15-4

4. Selecting the setting number

Use the **[DOWN]** button to change the Setting number **Ⓒ**. (Fig. 15-4)

Direct the wireless remote controller toward the receiver of the indoor unit and press the **[SET]** button.

5. To select multiple functions continuously

Repeat select **③** and **④** to change multiple function settings continuously.

6. Complete function selection

Direct the wireless remote controller toward the sensor of the indoor unit and press the **⓪OFF/ON** **[*]** button.

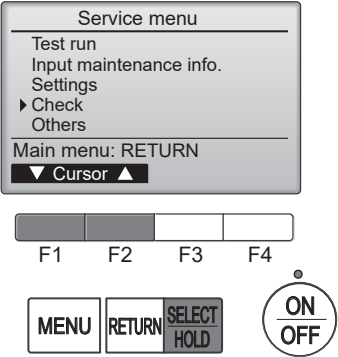
Note: Be sure to write down the settings for all functions if any of the initial settings has been changed after the completion of installation work.

15-6. ERROR HISTORY

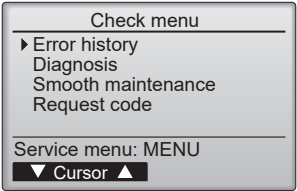
1. Select "Service" from the Main menu, and press the [SELECT] button.



Select "Check" with the **F1** or **F2** button, and press the [SELECT] button.

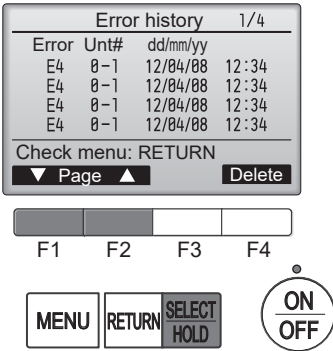


2. Select "Error history" with the **F1** or **F2** button, and press the [SELECT] button.



3. 16 error history records will appear.

4 records are shown per page, and the top record on the first page indicates the latest error record.



4. Deleting the error history

To delete the error history, press the **F4** button (Delete) on the screen that shows error history.
A confirmation screen will appear asking if you want to delete the error history.

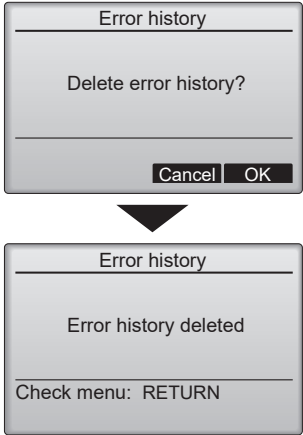


Press the **F4** button (OK) to delete the history.



"Error history deleted" will appear on the screen.

Press the [RETURN] button to go back to the Check menu screen.



15-7. SELF-DIAGNOSIS

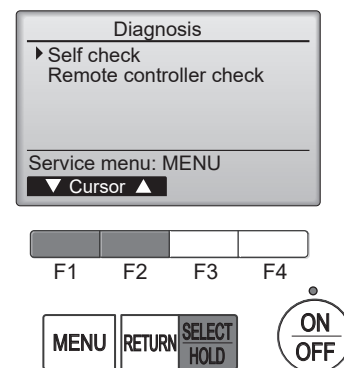
15-7-1. PAR-40MAA

1. Select "Service" from the Main menu,
and press the [SELECT] button.

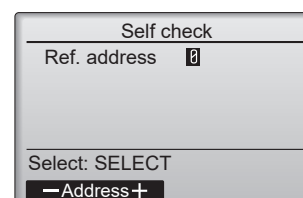
Select "Check" from the Service menu,
and press the [SELECT] button.

Select "Diagnosis" from the Check menu,
and press the [SELECT] button.

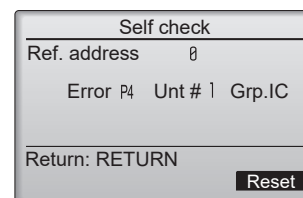
Select "Self check" with the **[F1]** or **[F2]** button,
and press the [SELECT] button.



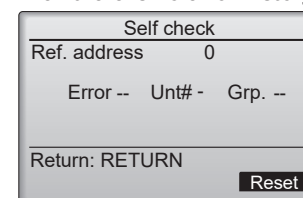
2. With the **[F1]** or **[F2]** button, enter the refrigerant address, and press the [SELECT] button.



3. Check code, unit number, attribute will appear.
"-" will appear if no error history is available.



When there is no error history



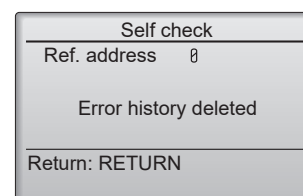
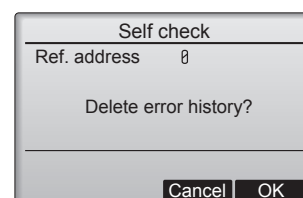
4. Resetting the error history

Press the **[F4]** button (Reset) on the screen that shows the error history.

A confirmation screen will appear asking if you want to delete the error history.

Press the **[F4]** button (OK) to delete the error history.

If deletion fails, "Request rejected" will appear.
"Unit not exist" will appear if no indoor units that are correspond to the entered address are found.



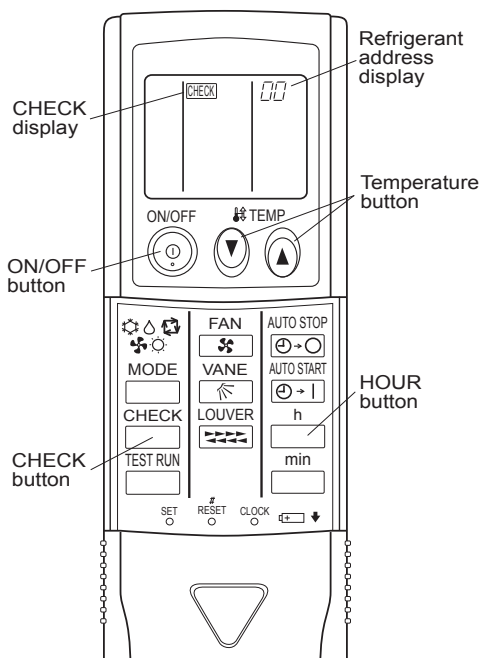
Navigating through the screens

- To go back to the Service menu [MENU] button
- To return to the previous screen..... [RETURN] button

15-7-2. PAR-SL97A-E

When a malfunction occurs to air conditioner, both indoor unit and outdoor unit will stop and operation lamp blinks to inform unusual stop.

<Malfunction-diagnosis method at maintenance service>

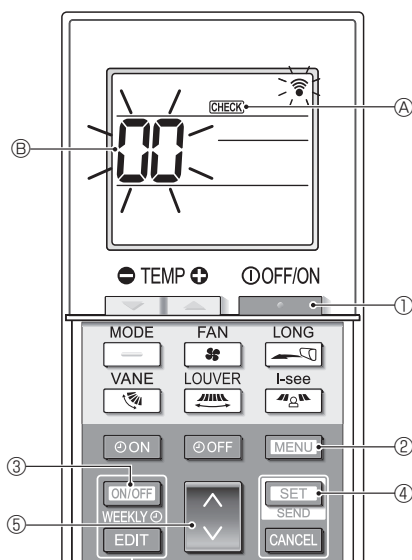


[Procedure]

1. Press the CHECK button twice.
 - "CHECK" lights, and refrigerant address "00" blinks.
 - Check that the remote controller's display has stopped before continuing.
2. Press the TEMP buttons.
 - Select the refrigerant address of the indoor unit for the self-diagnosis.

Note: Set refrigerant address using the outdoor unit's DIP switch (SW1). (For more information, see the outdoor unit installation manual.)
3. Point the remote controller at the sensor on the indoor unit and press the HOUR button.
 - If an air conditioner error occurs, the indoor unit's sensor emits an intermittent buzzer sound, the operation light blinks, and the check code is output. (It takes 3 seconds at most for check code to appear.)
4. Point the remote controller at the sensor on the indoor unit and press the ON/OFF button.
 - The check mode is cancelled.

15-7-3. PAR-SL100A-E



1. Press the button ① to stop the air conditioner.
 - If the weekly timer is enabled (WEEKLY is on), press the button ③ to disable it (WEEKLY is off).
2. Press the button ② for 5 seconds.
 - ④ comes on and the unit enters the self-check mode.
3. Press the button ⑤ to select the refrigerant address (M-NET address) ⑥ of the indoor unit for which you want to perform the self-check.
4. Press the button ④.
 - If an error is detected, the check code is indicated by the number of beeps from the indoor unit and the number of blinks of the OPERATION INDICATOR lamp.
5. Press the button ①.
 - ④ and the refrigerant address (M-NET address) ⑥ go off and the self-check is completed.

15-8. REMOTE CONTROLLER CHECK

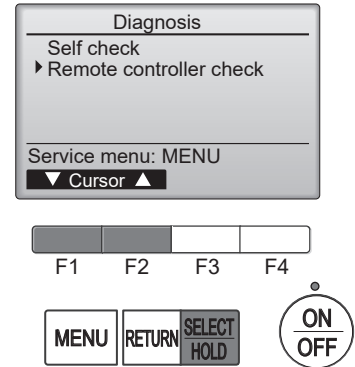
If operations cannot be completed with the remote controller, diagnose the remote controller with this function.

1. Select "Service" from the Main menu, and press the [SELECT] button.

Select "Check" from the Service menu, and press the [SELECT] button.

Select "Diagnosis" from the Check menu, and press the [SELECT] button.

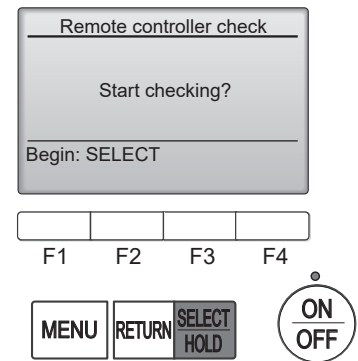
Select "Remote controller check" with the **F1** or **F2** button, and press the [SELECT] button.



2. Select "Remote controller check" from the Diagnosis menu, and press the [SELECT] button to start the remote controller check and see the check results.

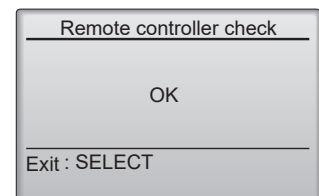
To cancel the remote controller check and exit the "Remote controller check" menu screen, press the [MENU] or the [RETURN] button.

The remote controller will not reboot itself.



3.
 - OK: No problems are found with the remote controller. Check other parts for problems.
 - E3, 6832: There is noise on the transmission line, or the indoor unit or another remote controller is faulty. Check the transmission line and the other remote controllers.
 - NG (ALL0, ALL1): Send-receive circuit fault. The remote controller needs replacing.
 - ERC: The number of data errors is the discrepancy between the number of bits in the data transmitted from the remote controller and that of the data that was actually transmitted over the transmission line. If data errors are found, check the transmission line for external noise interference.

Remote controller check results screen

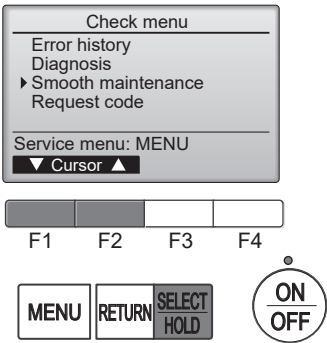
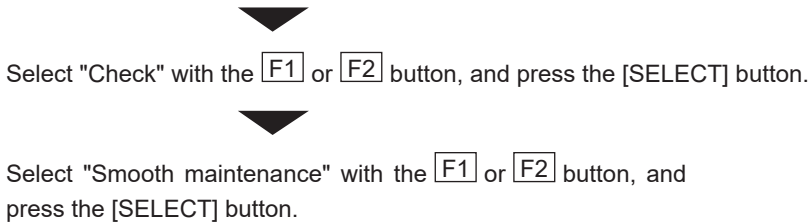


If the [SELECT] button is pressed after the remote controller check results are displayed, remote controller check will end, and the remote controller will automatically reboot itself.

Check the remote controller display and see if anything is displayed (including lines). Nothing will appear on the remote controller display if the correct voltage (8.5–12 VDC) is not supplied to the remote controller. If this is the case, check the remote controller wiring and indoor units.

15-9. SMOOTH MAINTENANCE

1. Select "Service" from the Main menu, and press the [SELECT] button.



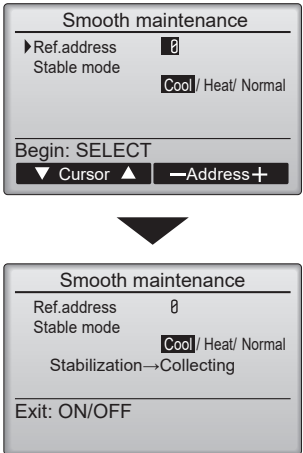
2. Set each item.

Select the item to be changed with the [F1] or [F2] button.

Select the required setting with the [F3] or [F4] button.

- <Ref.address>setting [0] – [15]
- <Stable mode>setting [Cool] / [Heat] / [Normal]

Press the [SELECT] button, Fixed operation will start.
Note: Stable mode will take approx. 20 minutes.

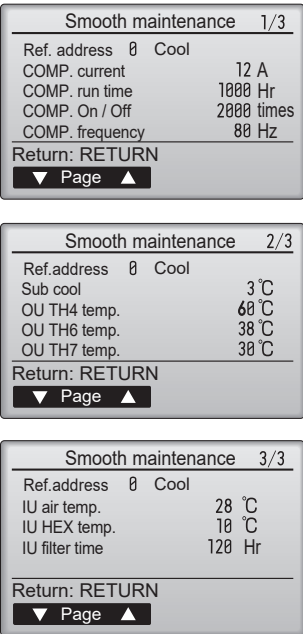


3. The operation data will appear.

The Compressor-Accumulated operating (COMP. run) time is 10-hour unit, and the Compressor-Number of operation times (COMP. ON/OFF) is a 100-time unit (fractions discarded).

Navigating through the screens

- To go back to the Service menu [MENU] button
- To return to the previous screen [RETURN] button

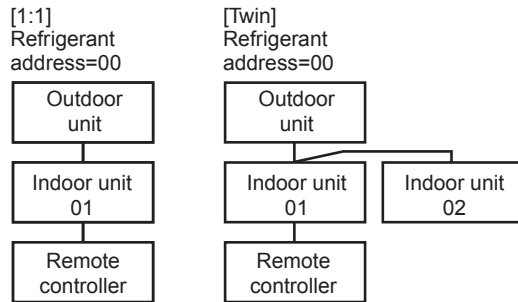


■ Refrigerant address

Single refrigerant system

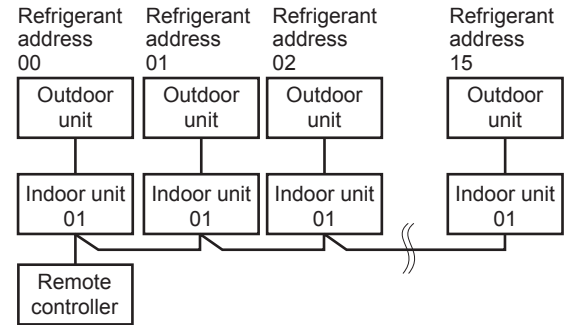
In the case of single refrigerant system, the refrigerant address is "00" and no operation is required.

Simultaneous twin, triple units belong to this category (single refrigerant system).



Multi refrigerant system (group control)

Up to 16 refrigerant systems (16 outdoor units) can be connected as a group by 1 remote controller. To check or set the refrigerant addresses.



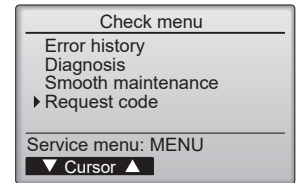
15-10. REQUEST CODE

Details on the operation data including each thermistor temperature and error history can be confirmed with the remote controller.

1. Select "Service" from the Main menu, and press the [SELECT] button.

Select "Check" with the **F1** or **F2** button, and press the [SELECT] button.

Select "Request code" with the **F1** or **F2** button, and press the [SELECT] button.



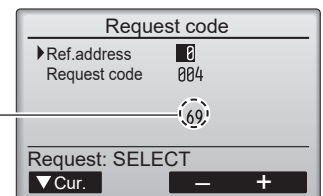
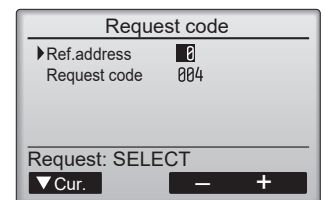
2. Set the Refrigerant address and Request code.

Select the item to be changed with the **F1** or **F2** button.

Select the required setting with the **F3** or **F4** button.

- <Ref.address>setting [0] – [15]
- <Request code>setting

Press the [SELECT] button, Data will be collected and displayed.



Request code: 004
Discharge temperature: 69°C

MITSUBISHI ELECTRIC CORPORATION

HEAD OFFICE: TOKYO BUILDING, 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN

©Copyright 2020 MITSUBISHI ELECTRIC CORPORATION
Issued: Jan. 2023 No. OCH754 REVISED EDITION-D
Issued: May 2022 No. OCH754 REVISED EDITION-C
Issued: Jun. 2021 No. OCH754 REVISED EDITION-B
Issued: Dec. 2020 No. OCH754 REVISED EDITION-A
Published: Oct. 2020 No. OCH754
Made in Japan

Specifications are subject to change without notice.