

Outer Appearance Change of the General-Purpose Inverter Option FR-BFP2 to Support the FR-D800 Series

Thank you for your continued patronage of Mitsubishi Electric drive control products. To support the FR-D800 series and improve workability, changes will be made to the enclosed parts and appearance of the FR-BFP2 inverter option with built-in DC reactor, common mode choke, and capacitive filter, which is a dedicated option for the FR-E800, FR-E700, FR-D700, and FR-F700PJ series. For the compatible combinations of the FR-D800 and the FR-BFP2 before and after the change, refer to Section 3.

1. Products Affected

FR-BFP2 series

2. Details of the Change

- 1) The size of the enclosed screws for inverter rear panel installation will be changed as follows to improve workability.
The change does not affect the quality, performance, or specifications of the products.

[Applicable models]

FR-BFP2-(H)0.4K to (H)7.5K

Screw size for inverter rear panel installation (before)

Before
M4 × 14

Screw size for inverter rear panel installation (after)

After
M4 × 16

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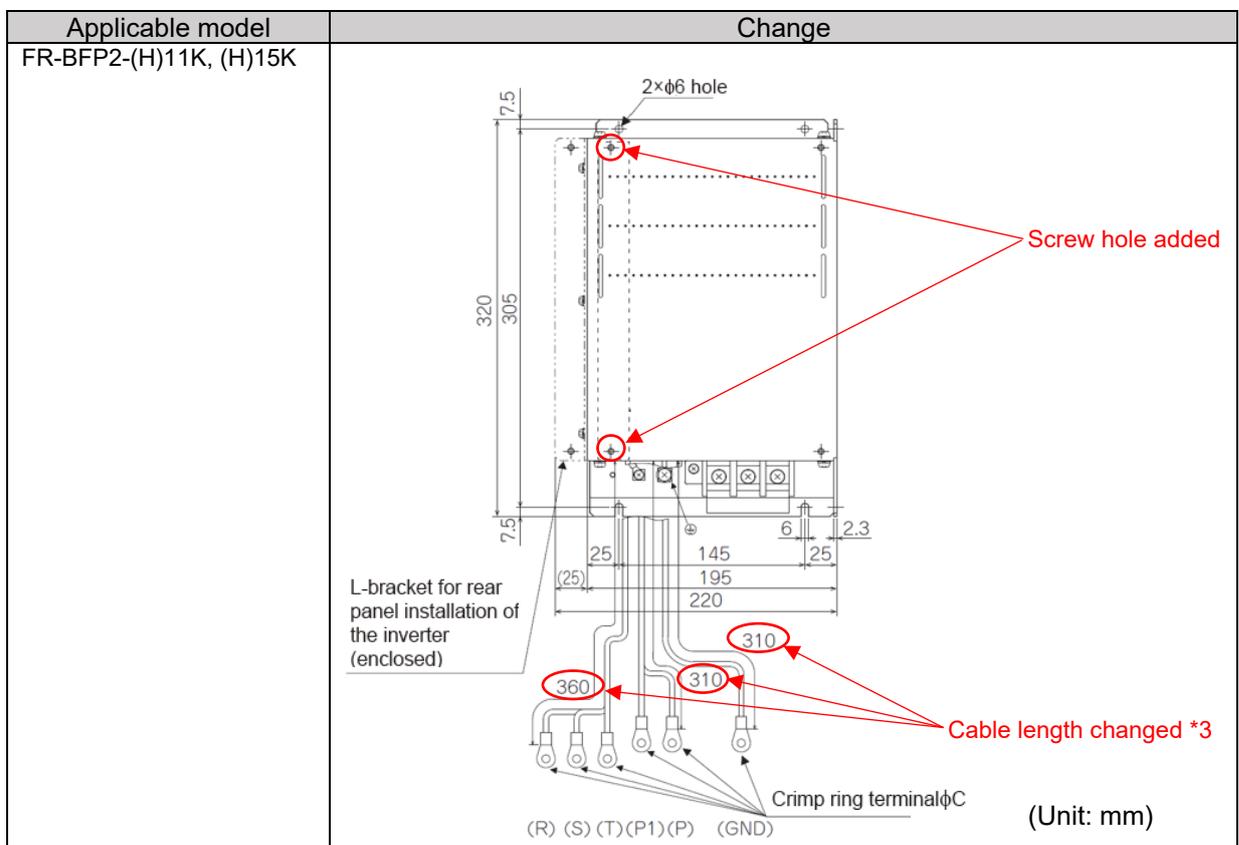
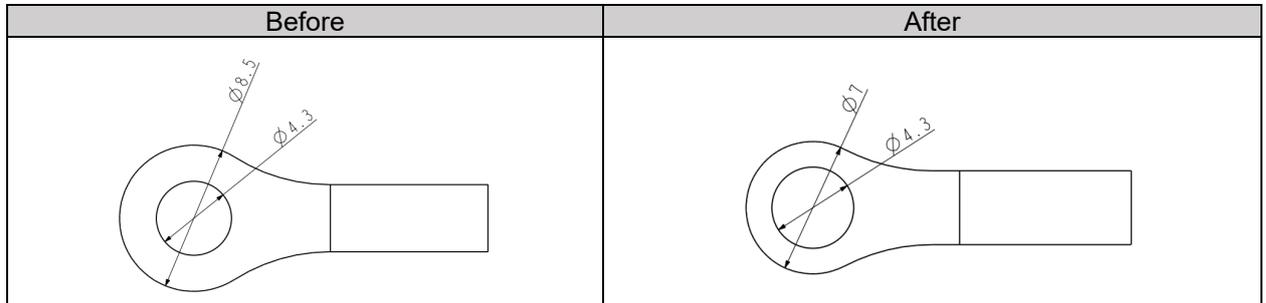
2) To support the FR-D800 series, screw holes will be added, and the crimp terminal shape and the cable length will be changed for the applicable models as follows. Since some models have already supported the FR-D800 series before this change, refer to Section 3 for the compatible combinations of the FR-D800 and the FR-BFP2 before and after the change.

Applicable model	Change
FR-BFP2-1.5K, 2.2K FR-BFP2-H0.4 to H3.7K	<p>(Unit: mm)</p>
FR-BFP2-3.7K	<p>(Unit: mm)</p>

*1 Some slits will be removed due to the addition of screw holes.

*2 The diameter of the outer circumference of the crimp terminal will be changed. Refer to the figures on the next page.

The diameter of the outer circumference of the crimp terminal will be changed for the FR-BFP2-1.5K/2.2K, FR-BFP2-H0.4K to 3.7K, and FR-BFP2-3.7K.



*3 Check the following tables for the cable lengths before and after the change.
 (R)(S)(T): Black cable (connected to terminals R, S, and T of the inverter)
 (P1)(P): Red cable (connected to terminals P and P1 of the inverter)
 (GND): Green and yellow striped cable (connected to the earth (ground) terminal)

200/400 V power supply, cable length (before)

Capacity	(R)(S)(T)	(P1)(P)	(GND)
(H)11K	310	280	280
(H)15K	310	260	260

(Unit: mm)

200/400 V power supply, cable length (after)

Capacity	(R)(S)(T)	(P1)(P)	(GND)
(H)11K	360	310	310
(H)15K	360	310	310

(Unit: mm)

3. Combinations of the FR-D800 and the FR-BFP2

The following tables show the compatible combinations of the FR-D800 and the FR-BFP2 before and after the change described in Section 2.

The combinations not compatible before the change will be supported, except for installation of the 11K/15K models underneath the FR-D800 (*4). Refer to the next page for details on *1 to *4 in the tables.

(1) Compatible combinations of the FR-D800 and the FR-BFP2 before the change

○: Compatible ×: Not compatible

Filterpack *1 (before the change)	Inverter *1	Installation of Filterpack *2		
		Rear panel	Side panel	Underneath
FR-BFP2-0.4K	FR-D820-0.4K-025	○	○	○
FR-BFP2-0.75K	FR-D820-0.75K-042	○	○	○
FR-BFP2-1.5K	FR-D820-1.5K-070	○	○	○
FR-BFP2-2.2K	FR-D820-2.2K-100	○	○	○
FR-BFP2-3.7K	FR-D820-3.7K-165	×	○	○
FR-BFP2-5.5K	FR-D820-5.5K-238	○	○	○
FR-BFP2-7.5K	FR-D820-7.5K-318	○	○	○
FR-BFP2-11K	FR-D820-11K-450	○ *3	○	× *4
FR-BFP2-15K	FR-D820-15K-580	○ *3	○	× *4
FR-BFP2-H0.4K	FR-D840-0.4K-012	×	×	×
FR-BFP2-H0.75K	FR-D840-0.75K-022	×	×	×
FR-BFP2-H1.5K	FR-D840-1.5K-037	×	×	×
FR-BFP2-H2.2K	FR-D840-2.2K-050	○	○	○
FR-BFP2-H3.7K	FR-D840-3.7K-081	○	○	○
FR-BFP2-H5.5K	FR-D840-5.5K-120	○	○	○
FR-BFP2-H7.5K	FR-D840-7.5K-163	○	○	○
FR-BFP2-H11K	FR-D840-11K-230	×	○	× *4
FR-BFP2-H15K	FR-D840-15K-295	×	○	× *4

(2) Compatible combinations of the FR-D800 and the FR-BFP2 after the change

○: Compatible ×: Not compatible

Filterpack *1 (after the change)	Inverter *1	Installation of Filterpack *2		
		Rear panel	Side panel	Underneath
FR-BFP2-0.4K	FR-D820-0.4K-025	○	○	○
FR-BFP2-0.75K	FR-D820-0.75K-042	○	○	○
FR-BFP2-1.5K	FR-D820-1.5K-070	○	○	○
FR-BFP2-2.2K	FR-D820-2.2K-100	○	○	○
FR-BFP2-3.7K	FR-D820-3.7K-165	○	○	○
FR-BFP2-5.5K	FR-D820-5.5K-238	○	○	○
FR-BFP2-7.5K	FR-D820-7.5K-318	○	○	○
FR-BFP2-11K	FR-D820-11K-450	○ *3	○	× *4
FR-BFP2-15K	FR-D820-15K-580	○ *3	○	× *4
FR-BFP2-H0.4K	FR-D840-0.4K-012	○	○	○
FR-BFP2-H0.75K	FR-D840-0.75K-022	○	○	○
FR-BFP2-H1.5K	FR-D840-1.5K-037	○	○	○
FR-BFP2-H2.2K	FR-D840-2.2K-050	○	○	○
FR-BFP2-H3.7K	FR-D840-3.7K-081	○	○	○
FR-BFP2-H5.5K	FR-D840-5.5K-120	○	○	○
FR-BFP2-H7.5K	FR-D840-7.5K-163	○	○	○
FR-BFP2-H11K	FR-D840-11K-230	○ *3	○	× *4
FR-BFP2-H15K	FR-D840-15K-295	○ *3	○	× *4

- *1 When combining the inverter and Filterpack as listed in the table, use them with the output current within the specification range for the ND rating of the FR-D800.
- *2 For details on the installation methods of the Filterpack, refer to the Instruction Manual of the FR-BFP2.
- *3 When installing the 11K/15K model to the rear panel, the vibration resistance is 1.96 m/s^2 . (This is a common specification of the FR-BFP2 for the inverters including the conventional series other than the FR-D800.)
- *4 Unavailability of the underneath installation of the 11K/15K models is a common specification of the FR-BFP2 for the inverters including the conventional series other than the FR-D800.

4. Date of Change

The change will be applied to the products manufactured in November 2024 or later.

5. Product Identification

The products can be identified visually.
The following methods are also available for identification.

(1) Identification by the FR-BFP2 rating plate

If the SERIAL indicated on the rating plate shows "November 2024 or later," it is the FR-BFP2 after the change.

SERIAL example on FR-A8NCG circuit board

□ 24 Y 000
Symbol Year Month Control number

SERIAL

The SERIAL consists of one symbol, three characters indicating the production year and month, and the control number (three characters for the rating plate).

(2) Identification by the packaging label

If the date indicated on the packaging label shows "January 2025 or later," it is the FR-BFP2 after the change (For dates from November 1 to December 31, 2024, products before and after the change coexist.)

Packaging label example

