

## NEMA 1 Enclosure Kit for FRENIC-Mini Series

Thank you for purchasing the NEMA 1 Enclosure Kit. This Kit is an optional product used with FRENIC-Mini series general-purpose inverters. Mounting the NEMA 1 Enclosure Kit to a FRENIC-Mini series general-purpose inverter provides the inverter with an enclosure conforming to the NEMA 1 standard (UL TYPE 1 listed). Inverter with this kit is suitable for installation in a compartment handling conditioned air. When this kit is mounted, use the inverter in an ambient temperature of -10 to +40°C.

### 1. Checking the Product

Unpack and check the following items.

- (1) The NEMA 1 Enclosure Kit and instruction manual (this manual) is contained in the package.
- (2) The NEMA 1 Enclosure Kit is not damaged during transportation—no dents.

	Model No.	NEMA1-C2-101
	13A123A0001	

A nameplate is affixed to the top of the front cover. Check that the nameplate specifies the product that was ordered.

TYPE: Option Models

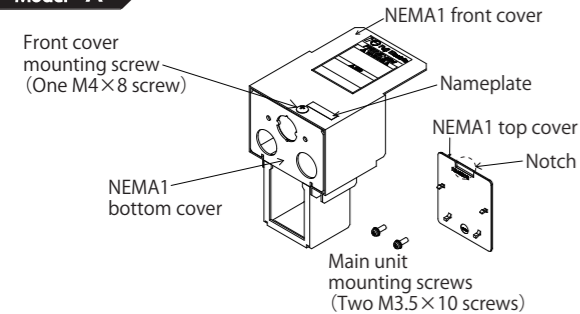
Power supply	Applicable inverter model	Option type	Model	
200V, three-phase	FRN0001C2S-2□	NEMA1-C2-101	A	
	FRN0002C2S-2□			
	FRN0004C2S-2□			
	FRN0006C2S-2□	NEMA1-C2-103		
	FRN0010C2S-2□	NEMA1-C2-201		
	FRN0012C2S-2□			
400V, Three-phase	FRN0020C2S-2□	NEMA1-C2-301	C	
	FRN0002C2S-4□	NEMA1-C2-202	A	
	FRN0004C2S-4□	NEMA1-C2-203	A	
	FRN0005C2S-4□	NEMA1-C2-201	B	
	FRN0007C2S-4□		C	
	FRN0011C2S-4□		NEMA1-C2-301	
200V, single-phase	FRN0001C2S-7□	NEMA1-C2-101	A	
	FRN0002C2S-7□			
	FRN0004C2S-7□	NEMA1-C2-102		
	FRN0006C2S-7□	NEMA1-C2-104		
	FRN0010C2S-7□	NEMA1-C2-204		B
	FRN0012C2S-7□	NEMA1-C2-301		C
100V, single-phase	FRN0001C2S-6U	NEMA1-C2-105	A	
	FRN0002C2S-6U			
	FRN0003C2S-6U			NEMA1-C2-106
	FRN0005C2S-6U	NEMA1-C2-205		

Note: The hash symbol (□) in the applicable inverter model FRN0001C2S-2□ indicate numbers, as follows:

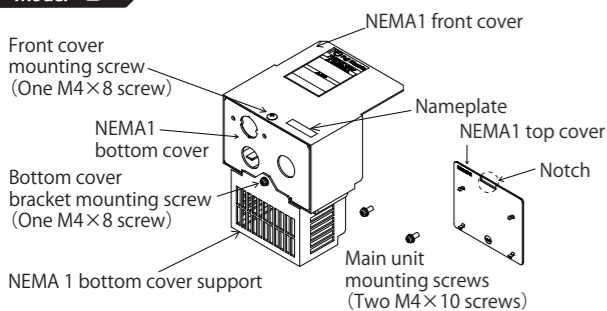
□: A (for Asia, instructions in English), E (for Europe, instructions in English), C (for China, instructions in English), U (for USA, instructions in English)

If the product appears to be defective in any way, contact the place of purchase or the nearest sales representative.

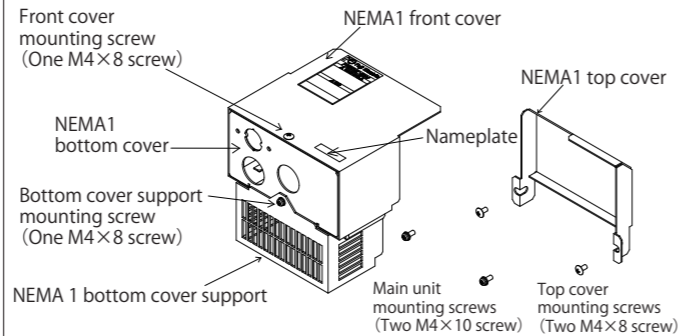
#### Model A



#### Model B



#### Model C



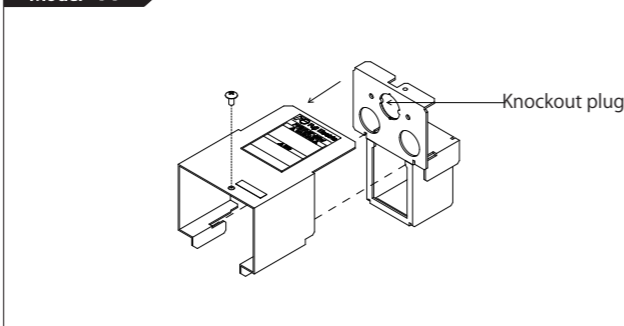
## 2. Mounting Method

Use the following procedure to mount the NEMA 1 Enclosure Kit. If mounting is incorrect, the product will not conform to the NEMA 1 standard. Note: The mounting method is slightly different for each model.

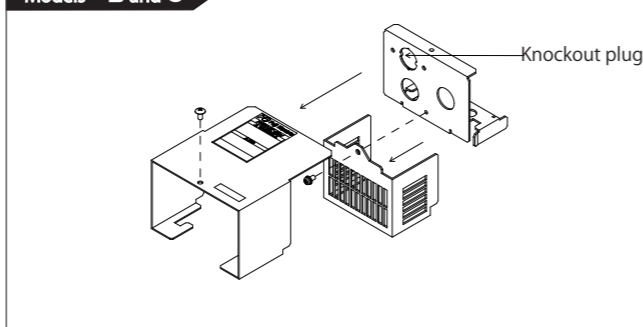
### 1 Disassemble the enclosure kit into each of its parts.

Note: Be sure not to lose the disassembled parts and screws. To wire the control signal lines, remove the knockout plug before removing the NEMA 1 front cover.

#### Model A



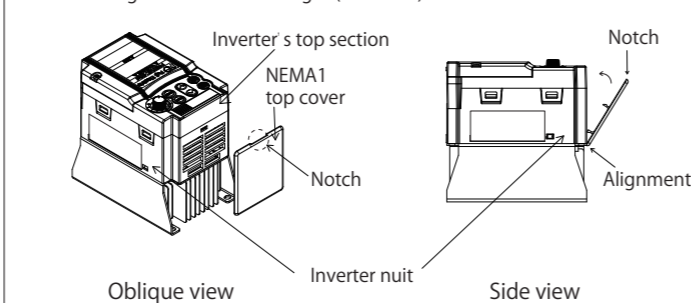
#### Models B and C



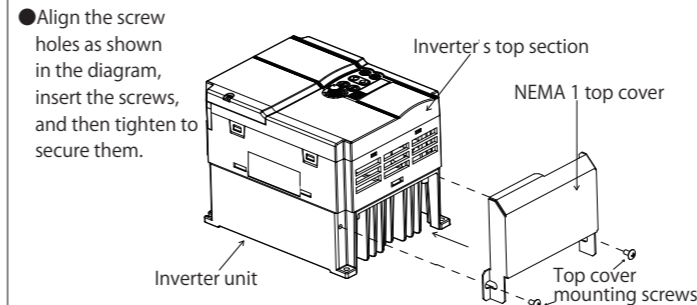
### 2 Mount the top cover.

#### Models A and B

● With the notched edge of the top cover facing upward, align the bottom edge of the top cover with the unit and mount the cover, as shown in the diagram below on the right (side view).

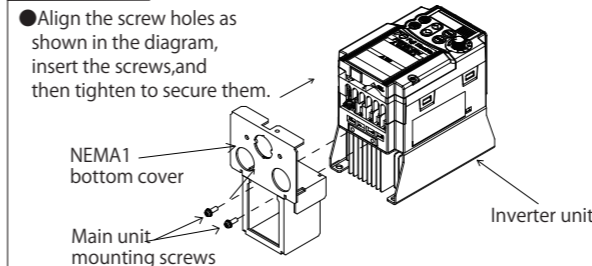


#### Model C

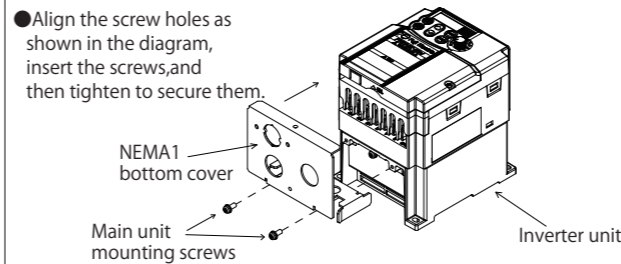


### 3 Mount the bottom cover.

#### Model A



#### Models B and C



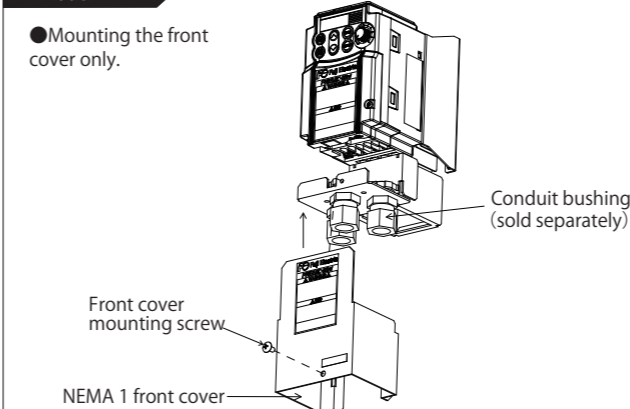
### 4 Wire and connect the cables.

After mounting the bottom cover, install the inverter and conduit bushing (sold separately), and then wire and connect the cables. Wire and connect the cables correctly according to the instructions in the operation manual for the inverter. (Refer to 2.3 Wiring in the Inverter Operation Manual.) (CORRECT NAME FRENIC-Mini Instruction Manual) Note: Be sure not to lose the cover that was removed.

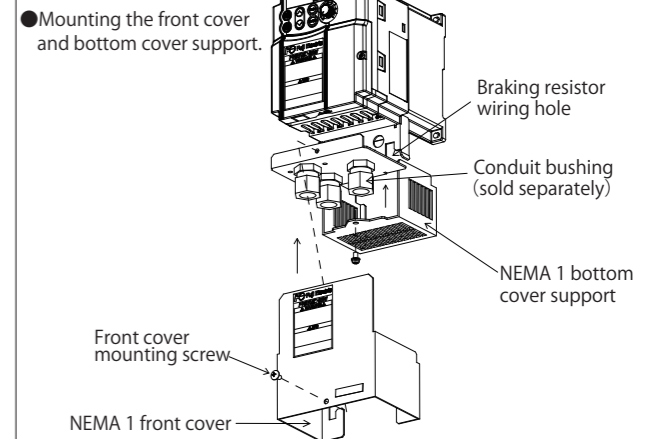
### 5 Mount the front cover and bottom cover support.

After checking that the cables have been wired and connected correctly, mount the front cover and bottom cover support.

#### Model A

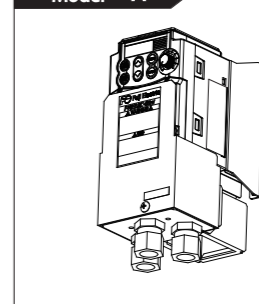


#### Models B and C

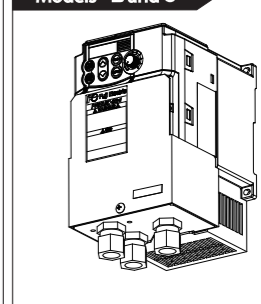


### 6 Mounting is completed.

#### Model A

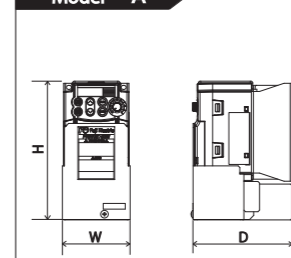


#### Models B and C

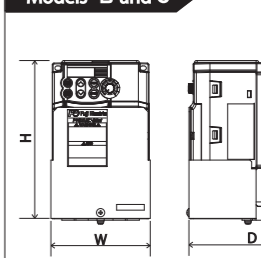


### 7 External Dimensions

#### Model A



#### Models B and C



Type	Size (mm)			Model
	W	H	D	
NEMA1-C2-101	83	170	81.5	<b>A</b>
NEMA1-C2-102			96.5	
NEMA1-C2-103			121.5	
NEMA1-C2-201	113	181.6	140.5	<b>B, C</b>
NEMA1-C2-301	143	251.6	140.5	
NEMA1-C2-202	113	180	116.5	<b>A</b>
NEMA1-C2-203			140.5	
NEMA1-C2-104	83	170	141.5	
NEMA1-C2-204	113	181.6	150.5	<b>B, C</b>
NEMA1-C2-105	83	170	101.5	
NEMA1-C2-106			116.5	<b>A</b>
NEMA1-C2-205	113	180	140.5	

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