

# INVERTER

## Control Circuit Terminal Block Intercompatibility Attachment <FR-A8TAT>

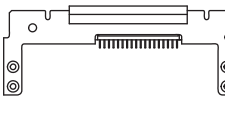

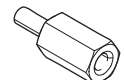
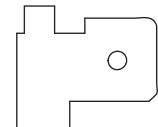
Thank you for choosing this Mitsubishi Electric inverter option unit. This Instruction Manual provides handling information and precautions for use of the equipment. Incorrect handling might cause an unexpected fault. Before using this product, always read this Instruction Manual carefully to use this product correctly. Please forward this Instruction Manual to the end user.

### Warning

- While the inverter power is ON, do not open the front cover or the wiring cover. Do not run the inverter with the front cover or the wiring cover removed. Otherwise you may access the exposed high voltage terminals or the charging part of the circuitry and get an electric shock.
- Even if power is OFF, do not remove the front cover except for wiring or periodic inspection. You may accidentally touch the charged inverter circuits and get an electric shock.
- Before wiring or inspection, LED indication of the operation panel must be switched OFF. Any person who is involved in wiring or inspection shall wait for at least 10 minutes after the power supply has been switched OFF and check that there are no residual voltage using a tester or the like. The capacitor is charged with high voltage for some time after power OFF, and it is dangerous.
- Any person who is involved in wiring or inspection of this equipment shall be fully competent to do the work.
- Do not touch the printed circuit board or handle the cables with wet hands. Otherwise you may get an electric shock.
- Do not subject the cables to scratches, excessive stress, heavy loads or pinching. Otherwise you may get an electric shock.

## 1 Unpacking and checking the product

Take the product out of the package, and confirm that the product is as you ordered and intact. The product is an option for the FR-A800 series.

<b>FR-A8TAT</b> 1 	<b>Installation screw (M3×6)</b> 2 	<b>Hexagon spacer</b> *1 1 	<b>Bracket</b> *2 1 
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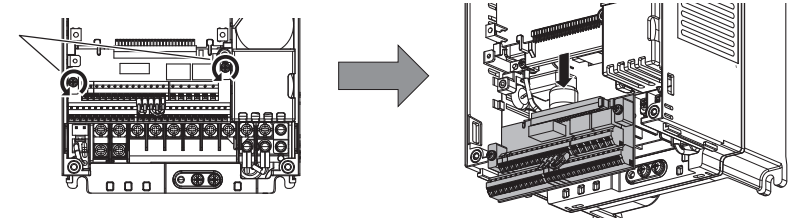
\*1 Used with the FR-A820-01250 (22K) or lower and FR-A840-00620 (22K) or lower.  
\*2 Used with the FR-A820-01540(30K) or higher and FR-A840-00770(30K) or higher.

- Applicable control circuit terminal blocks
  - FR-A700 series
  - FR-A500 series

## 2 Installation procedure

- Loosen the two installation screws at the both sides of the control circuit terminal block of FR-A800 series inverter. (These screws cannot be removed.)  
Slide down the control circuit terminal block to remove it.

Loosen the screws.

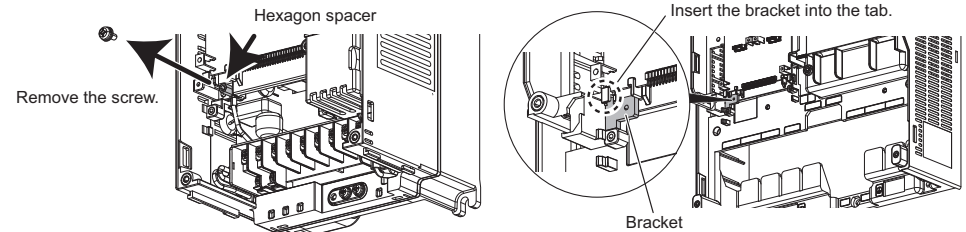


For the FR-A820-01250(22K) or lower or the FR-A840-00620(22K) or lower inverter, remove the fixing screw for earthing (grounding) cable, and instead attach the provided hexagon spacer. (Tightening torque: 0.33 to 0.4 N•m)

For the FR-A820-01540(30K) or higher or the FR-A840-00770(30K) or higher inverter, fit the bracket to the inverter, into the place shown in the figure below.

FR-A820-01250 (22K) or lower  
FR-A840-00620 (22K) or lower

FR-A820-01540(30K) or higher  
FR-A840-00770(30K) or higher



- Install the A8TAT. Be careful not to bend the pins of inverter control circuit connector.
- For the FR-A820-01250(22K) or lower or the FR-A840-00620(22K) or lower inverter, fix the A8TAT to the inverter and the hexagon spacer using the provided installation screws. (Tightening torque: 0.33 to 0.4 N•m)  
For the FR-A820-01540(30K) or higher or the FR-A840-00770(30K) or higher inverter, fix the A8TAT to the inverter and the bracket using the provided screws. (Tightening torque: 0.33 to 0.4 N•m)

Example of FR-A820-00105 (1.5K)

