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.

### 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/F800 series.

<table>
<thead>
<tr>
<th>FR-A8TAT</th>
<th>Installation screw (M3×6)</th>
<th>Hexagon spacer</th>
<th>Bracket</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

- 1 Used with the FR-A820-01250 (22K) or lower, FR-A840-00620 (22K) or lower, FR-F820-01250(30K) or lower, and FR-F840-00620(30K) or lower.
- 2 Used with the FR-A820-01540(30K) or higher, FR-A840-00770(30K) or higher, FR-F820-01540(37K) or higher, and FR-F840-00770(37K) or higher.

### Installation procedure

1. Loosen the two installation screws at both sides of the control circuit terminal block of FR-A800/F800 series inverter. (These screws cannot be removed.)
   Slide down the control circuit terminal block to remove it.

2. **Warning**
   - While the inverter power is ON, do not remove the front cover or the wiring cover. Do not operate the inverter with any cover or wiring cover removed, as accidental contact with exposed high-voltage terminals and internal components may occur, resulting in an electrical shock.
   - Even if power is OFF, do not remove the front cover except for wiring or periodic inspection as you may accidentally touch the charged inverter circuits and get an electric shock.
   - Before wiring or inspection, check that the display of the operation panel is OFF. Any person who is involved in wiring or inspection shall be fully competent to do the work.
   - Do not touch the printed circuit board or handle the cables with wet hands. Doing so may cause an electric shock.
   - Do not subject the cables to scratches, excessive stress, heavy loads or pinching. Doing so may cause an electric shock.

3. **Installation procedure**
   - For the FR-A820-01250(22K) or lower, the FR-A840-00620(22K) or lower, FR-F820-01250(30K) or lower, or FR-F840-00620(30K) 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, the FR-A840-00770(30K) or higher, FR-F820-01540(37K) or higher, or FR-F840-00770(37K) or higher inverter, fit the bracket to the inverter, into the place shown in the figure below.

4. Install the control circuit terminal block of the FR-A700/F700(P)/A500/F500 series inverter. Be careful not to bend the pins of inverter control circuit connector. Fix the control circuit terminal block using the installation screws of the control circuit terminal block. (Tightening torque: 0.33 to 0.4 N•m)
Precautions for removal and reinstallation of the A8TAT

The following are the precautions to remove or reinstall the A8TAT.

• To remove or reinstall the A8TAT, keep it upright so that it is parallel with the inverter.
• To install the A8TAT, slide it upward so that the groove on the terminal block fits over the tongue on the inverter.
• Check that the A8TAT is parallel with the inverter and the pins of the inverter's control circuit connector are not bent. After checking the proper connection, fix the terminal block with two screws.

Restrictions for using the inverter with the A8TAT

• For using the control circuit terminal block of the FR-A500/F500 series, open or remove the cover of the control circuit terminal block. Otherwise, the front cover of the inverter may not close properly.
• Since the specifications of the control circuit terminals of the FR-A700/F700(P)/A500/F500 series are different from those of the FR-A800 series, certain functions of the inverter are restricted (refer to the table below).

Restricted Use of Hazardous Substances in Electronic and Electrical Products

The mark of restricted use of hazardous substances in electronic and electrical products is applied to the product as follows based on the “Management Methods for the Restriction of the Use of Hazardous Substances in Electrical and Electronic Products” of the People’s Republic of China.

<table>
<thead>
<tr>
<th>部件名称</th>
<th>有害物质</th>
<th>铅 (Pb)</th>
<th>镍 (Ni)</th>
<th>铜 (Cu)</th>
<th>铁 (Fe)</th>
<th>锌 (Zn)</th>
<th>镁 (Mg)</th>
<th>铬 (Cr)</th>
<th>钼 (Mo)</th>
<th>钨 (W)</th>
<th>钒 (V)</th>
<th>钼 (Mo)</th>
<th>钨 (W)</th>
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<tr>
<td>电路板组件 (包括印刷电路板及其构成的零部件, 电阻、电容、集成电路、连接器等)</td>
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<td>橡皮、电线</td>
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As per the SJ/T 11364 (2006) standard:
○: Indicates that the contents of the harmful substances are all within the limits set by GB/T 26572.
×: Indicates that the contents of the harmful substances in the components exceed the limits set by GB/T 26572.
*1: Even if a component is marked with ×, it is possible that harmful substances may not exceed the limits.
*2: Certain components may not be applicable to all products.

REVISIONS

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<tr>
<th>Print date</th>
<th>Manual number</th>
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<tr>
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<td>Dec 2017</td>
<td>IB(NA)-0600541ENG-B</td>
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