

Sales and Service

Changes in Connectors for MR-J3-200□(□: A, B, or T)–■(■: Special Specification Symbol) Servo Amplifier

Thank you for your continued patronage of the Mitsubishi general-purpose AC servo and FA products. To improve the workability of connector wiring, the connectors of the main circuit power supply, the control circuit power supply, and the motor power supply for the servo amplifier MR-J3-200□(□: A, B, or T)–■(■: special specification symbol) will be changed. We ask for your understanding in this matter.

1. Target Model

MR-J3-200□-■

□: Command interface notation A, B, or T (excluding BS)

■: Special specification symbol RJ040, RJ004, RJ006, RU006, RZ006, KE, ED, U004, U102, S, or others (excluding RT)

2. Purpose

To improve the workability of connector wiring by changing the connectors of the main circuit power supply, the control circuit power supply, and the motor power supply.

3. Details of Change

- (1) Changes in connectors included with the servo amplifier
The connectors of the main circuit power supply, the control circuit power supply, and the motor power supply will be changed.
For the connector models, refer to Table 1.
- (2) Changes in the front view of the servo amplifier
With the changes of the connectors, the front view of the servo amplifier will be changed. (Refer to Table 1.)
Nothing will be changed in the outline dimensions and the mounting hole position for the servo amplifier.
- (3) Changes in packaging of the connectors
At shipment, though conventional plug connectors are attached to the servo amplifier, new connectors are packaged and included with the servo amplifier.
- (4) Changes in the cable connection method
To secure a cable, though the conventional connectors use screws, the new connectors use springs. Wiring becomes much easier by using the cable connection lever and others included with the servo amplifier.
- (5) Others
A maximum cable size up to AWG10 (5.5mm²) is applicable to the conventional connectors. Note that a maximum cable size up to AWG12 (3.5mm²) is applicable to the new connectors. The recommended cable size for the MR-J3-200□ is AWG14 (2mm²).
Nothing will be changed in options, peripheral equipment, servo support software, and others.
- (6) Servo amplifier model name
The model name of the servo amplifier with the new connectors is as shown below.

Before change	After change
MR-J3-200□-■	MR-J3-200□N-■

□: Command interface notation A, B, or T (excluding BS)

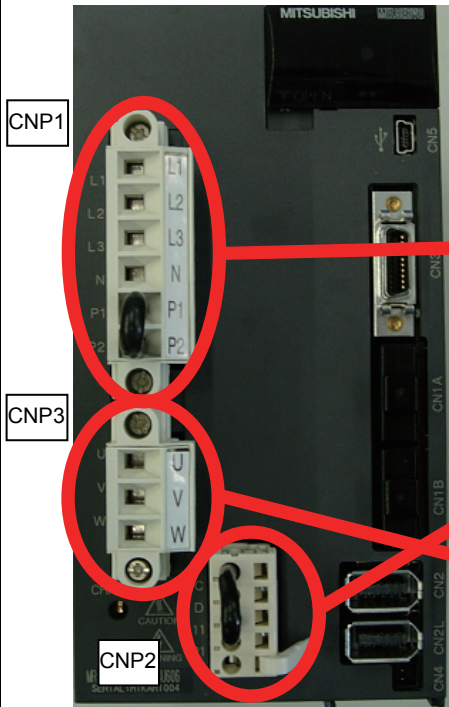
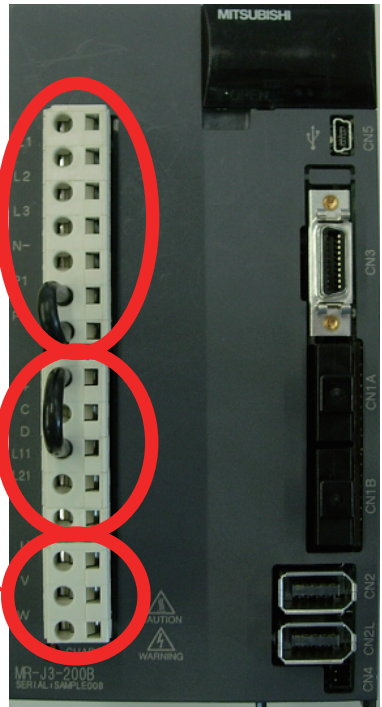


■: Special specification symbol RJ040, RJ004, RJ006, RU006, RZ006, KE, ED, U004, U102, S, or others (excluding RT)

Date of issue	September 2010	Title	Changes in Connectors for MR-J3-200□ (□: A, B, or T)–■(■: Special Specification Symbol) Servo Amplifier	Mitsubishi Electric Corp., Nagoya Works 5-1-14 Yada-minami, Higashi-ku, Nagoya 461-8670 Tel.: +81 (52) 721-2111 Main line
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4. Schedule

These changes will be made sequentially from the August 2010 production.
 These changes do not affect the servo amplifier functions or performance.
 Catalogs and instruction manuals will be updated when each model is upgraded sequentially.
 Shipment of the MR-J3-200□N (without a special specification symbol) has been started from July 2010.

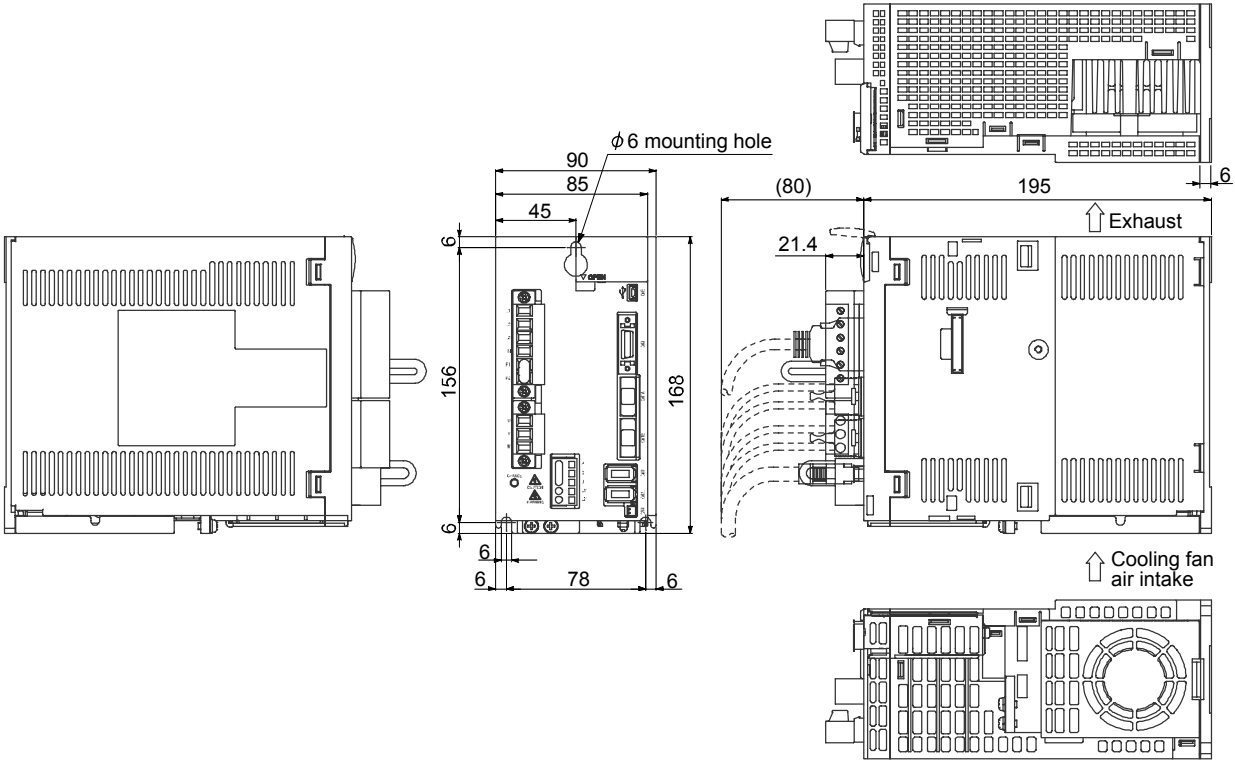
Table 1. MR-J3-200□ (□: A, B, or T)-■(■: special specification symbol) front view and new connectors

Model	Before change MR-J3-200□-■	After change MR-J3-200□N-■
Front view (Example of type B)		
Connector (Included with servo amplifier)	CNP1 connector: PC4/6-STF-7.62-CRWH (Plug) Manufactured by Phoenix Contact CNP2 connector: 54927-0510 (Plug) Manufactured by Molex CNP3 connector: PC4/3-STF-7.62-CRWH (Plug) Manufactured by Phoenix Contact	CNP1 connector: 721-207/026-000 (Plug) Manufactured by WAGO CNP2 connector: 721-205/026-000 (Plug) Manufactured by WAGO CNP3 connector: 721-203/026-000 (Plug) Manufactured by WAGO
Cable connection method	CNP1 and CNP3 connectors: Cable secured by screws CNP2 connector: Cable secured by springs	CNP1, CNP2, and CNP3 connectors: Cable secured by springs
Connector packaging at shipment	Connectors attached to the servo amplifier	CNP1, CNP2, and CNP3 connectors packaged and included with the servo amplifier Cable connection lever also included with the servo amplifier
Ground symbol		

Note. The MR-J3-200BS-■ has the new connectors.

MR-J3-200B-RJ006 Outline Drawings

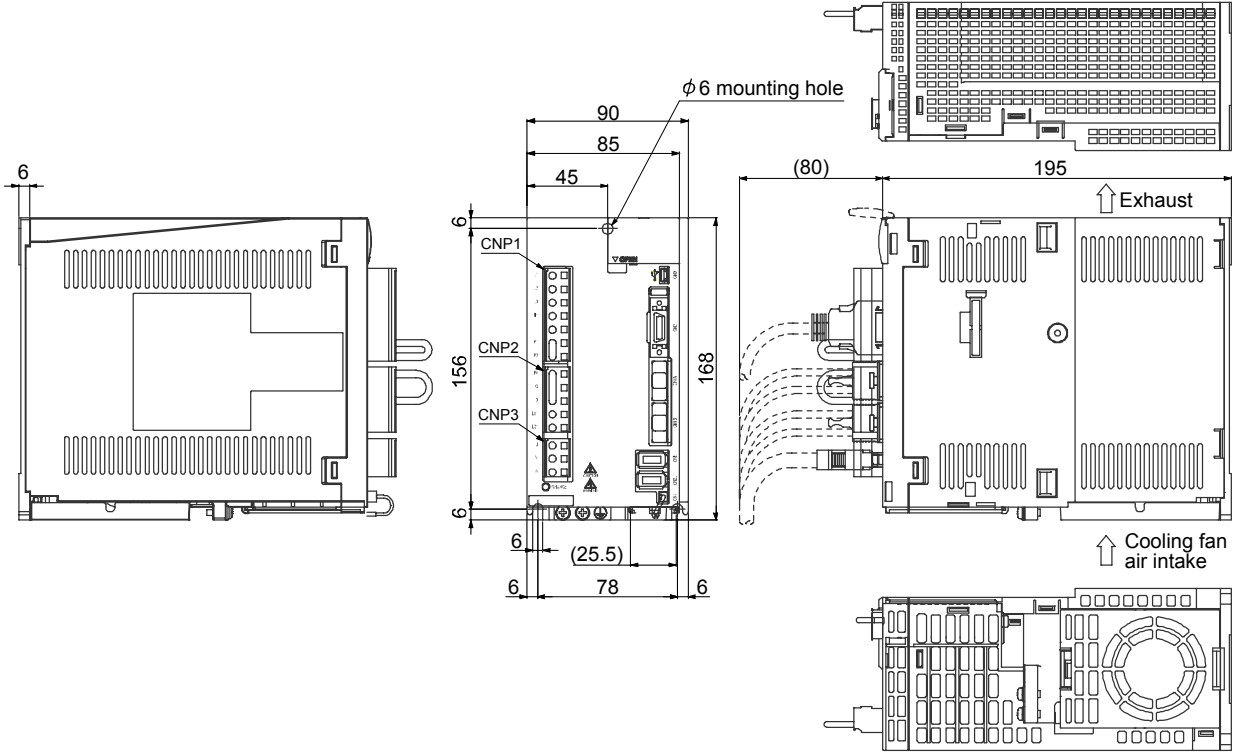
[Unit: mm]



Mass: 2.3 [kg]

MR-J3-200BN-RJ006 Outline Drawings

[Unit: mm]



Mass: 2.1 [kg]

