

Sales and Service

External Appearance and Specification Change of the MR-J3 Series

Thank you for your continued patronage of the Mitsubishi general-purpose AC servo and FA products. Some of the parts used in the following models will be changed. Because of this, we will be changing the products' external appearance and specifications, as described below. We ask for your understanding in this matter.

1. Target Models

MR-J3-□A/MR-J3-□A1, 100W to 22kW

MR-J3-□B/MR-J3-□B1, 100W to 22kW

2. Schedule

The change will be applied to the products, which are manufactured and shipped in July 2011 or later.

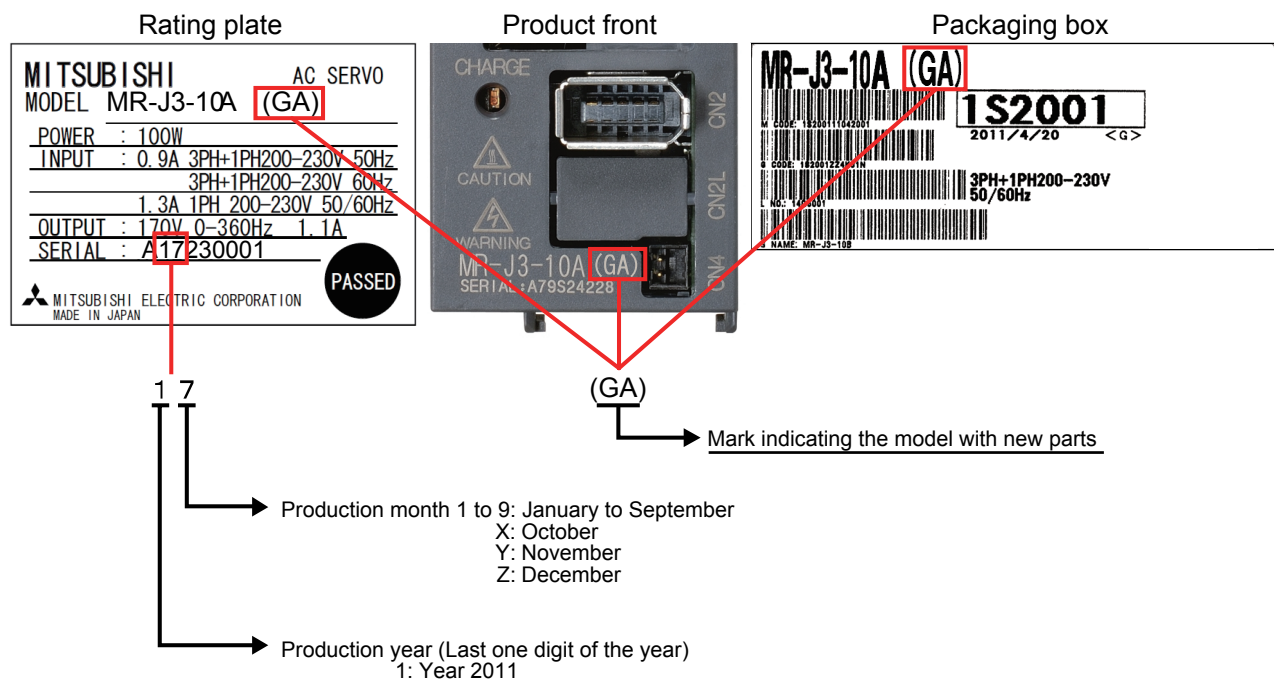
3. Reason of Change

To secure the necessary parts.

4. External Appearance Change and Product Identification

The identification mark (GA), which indicates a product with new parts, is printed on the rating plate, the product front and the packaging box of the product with modified parts.

Please check the serial No. on the rating plate in order to find out its production year and month.



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5. Difference between Conventional Models and Models with modified parts

Because of containing modified parts, their firmware will be also changed. Differences in some functions will arise due to the use of modified parts, but other basic functions and specifications will be the same. For the models with modified parts, customers can use the same catalogue, instruction manual, setup software, and capacity selection software as for the conventional models. The following table shows the differences with the conventional model.

Table 1 Differences between Conventional Models and Models with modified parts

	Conventional model	Model with modified parts
Model name	Refer to the MR-J3 catalogue.	Same as on the left.
Applicable scope	Refer to the MR-J3 catalogue.	MR-J3-□A/MR-J3-□A1: 100W to 22kW MR-J3-□B/MR-J3-□B1: 100W to 22kW
Difference of function		The following functions of the conventional model are deleted. <ul style="list-style-type: none"> • The amplifier diagnosis function (A type) • MR-J/H renewal support (A type) • Master-slave operation (B type) • Encoder Z-phase pulse output (B type)
		The following functions of the conventional model are partially changed. <ul style="list-style-type: none"> • Command pulse setting (A type) (Note 1) • The maximum baud rate is 57600 [bps] when connected to the parameter unit (MR-PRU03) (A type)
SSCNET III communication (B type)	CN1A/CN1B is lit during communication.	CN1A/CN1B is always lit. (Note 2) (Same while the cable and the cap are used.)
Compatible motor	Refer to the MR-J3 catalogue.	Same as on the left.

- Note 1. The command pulse setting must be checked for some controllers. For more details, refer to the settings described in Table 2.
2. Shutting down the servo amplifier's power supply or unplugging the optical fiber cable may disable the communication within the same system.

Table 2 Command pulse setting with the MELSEC positioning module
(forward/reverse rotation pulse) (Note 1)

	Command pulse setting	Positioning module setting	Servo amplifier (MR-J3-A) setting	
		Logic (Pr.23)	Logic	Setting (PA13)
Q series /L series	Input signal specification			
	Open collector type	Positive	Positive	0000
		Negative	Negative	0010
	Differential type (Note 2)	Positive	Negative	0010
Negative		Positive	0000	
F series	Command pulse setting	Positioning module setting	Servo amplifier (MR-J3) setting	
	Input signal specification	Logic (Fixed)	Logic	Setting (PA13)
	Open collector type Differential type	Negative	Negative	0010

- Note 1. The setting need not be checked if pulse train + signal or A/B-phase pulse train is used.
2. The negative side signal is used for the differential type input in the positioning module. Thus the logic must be reversed between the servo amplifier and the positioning module.

6. For the Customers Having Difficulty Using the Model with modified parts

Please contact your sales representative or local Mitsubishi for a customer who requires a function, which becomes unavailable with the model with modified parts.