

## ***SERVO SYSTEM CONTROLLER TECHNICAL BULLETIN [1 / 5]***

[Issue No.]	SSC-A-0006-A
[Title]	How to check if the restriction on the servo system recorder function is applied to a MELSEC iQ-R series Motion controller RnMTCPU.
[Date of Issue]	July 2022
[Relevant Models]	R16MTCPU, R32MTCPU, R64MTCPU * Products developed based on the above models are also included.

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Thank you for your continued support of Mitsubishi Electric servo system controllers MELSEC iQ-R series. This technical bulletin describes how to check if the restriction on the servo system recorder function, which was added to RnMTCPU in June 2022, is applied to a MELSEC iQ-R series Motion controller RnMTCPU.

There is a restriction on the servo system recorder function of RnMTCPU depending on the manufactured date of the model. The function can be used without restriction in RnMTCPU shipped in and after July 2022.

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## **1. SERVO SYSTEM RECORDER FUNCTION**

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### **1.1. Overview**

The servo system recorder function monitors the motion system and servo amplifier status. When detecting an error, this function records the system status transition before and after the error for a fixed period of time. This helps users locate the root cause of an error, which is difficult to find out only with the information of the event history. For details of the function, refer to "MELSEC iQ-R Motion Controller User's Manual (IB-0300235-M)".

### **1.2. Details of Restriction**

For RnMTCPU manufactured in or before June 2022, the servo system recorder function is available by installing the operating system software version 24 (released in June 2022). However, there is the following restriction on these controllers.

#### **- Restriction**

The servo system recorder function and the digital oscilloscope function cannot be used simultaneously. Using one function while the other is in use triggers a warning (warning code: 0E20H).

Users can check if the restriction is applied to the currently used controllers by the serial numbers.

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## 2. HOW TO CHECK SERIAL NUMBER

### 2.1. How to Check if Restriction on Servo System Recorder Function is Applied

Check the first four digits of the serial number to check if the controller is subject to the restriction.

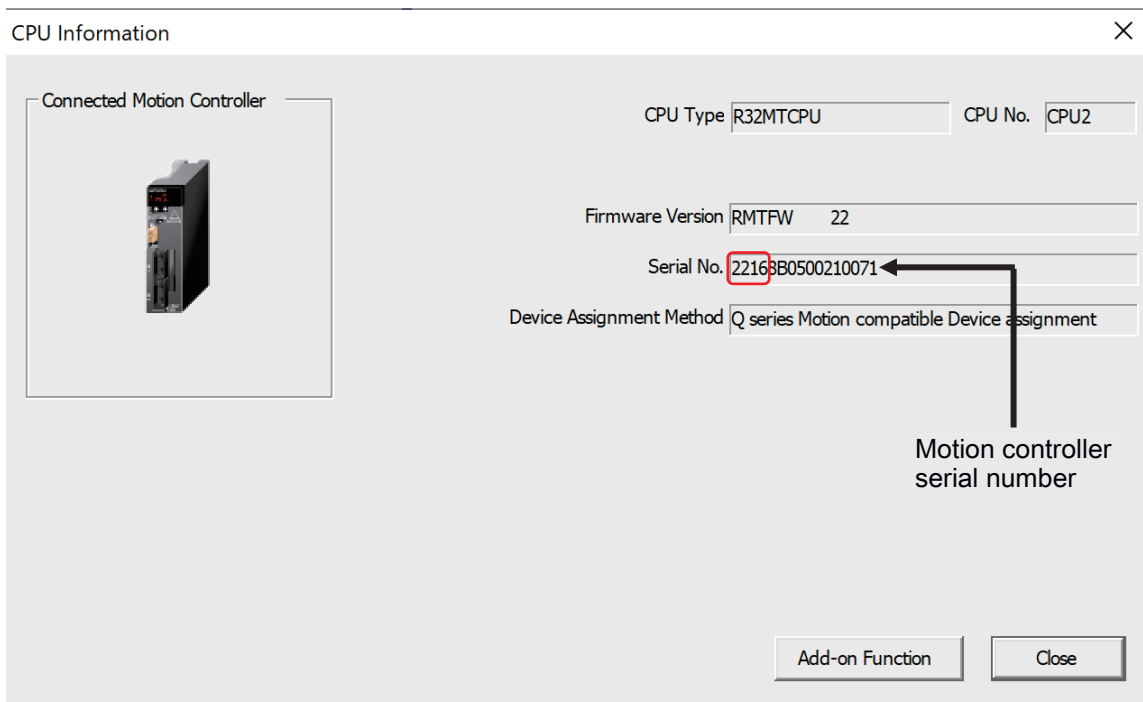
Model	Serial number (the first four digits)	Restriction
R16MTCPU	2418 or earlier	Applied
	2419 or later	Not applied
R32MTCPU	2418 or earlier	Applied
	2419 or later	Not applied
R64MTCPU	2415 or earlier	Applied
	2416 or later	Not applied

The serial number can be checked with MT Developer2 or MELSOFT GX Works3.

### 2.2. How to Check Serial Number with MT Developer2

Check the serial number on the CPU Information screen.

[Help] → [CPU information]



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## 2.3. How to Check Serial Number with MELSOFT GX Works3

Check the serial number on the Product Information List screen.

[Diagnostics] → [System monitor] → [Product Information List]

	Network Information (Port 2)	IP Address (Port1 IPv4)	IP Address (Port2 IPv4)	Module Synchronous Status	Firmware Version	Production information
Basic-Power Supply	-	-	-	-	-	-
Basic-CPU	-	192.168.3.39	-	-	03	22168B0500210071
Basic-CPU	-	192.168.3.39	-	-	22	-
Basic-I/O 1	-	-	-	-	-	-
Basic-I/O 2	-	-	-	-	-	-
Basic-I/O 3	-	-	-	-	-	-
Basic-I/O 4	-	-	-	-	-	-

Motion controller serial number

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## **3. REVISIONS**

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<b>Version</b>	<b>Revision date</b>	<b>Description</b>
A	July 2022	First edition