

August 3, 2016

Motor Business Unit,  
Electromechanical Control Business Division,  
Automotive & Industrial Systems Company,  
Panasonic Corporation

**Notice of Software Version Upgrade and Request for the KV Series and GV Series of the MINAS-BL Brushless Amplifier**

Thank you for your continued cooperation and support.  
We hereby notify you of a software upgrade for the brushless amplifier.  
We would appreciate your understanding and cooperation with this matter.

- Affected model (model name): MINAS-BL brushless amplifier  
GV series (MBEG\*\*\*\*\*V)  
KV series (MBEK\*\*\*\*\*V)

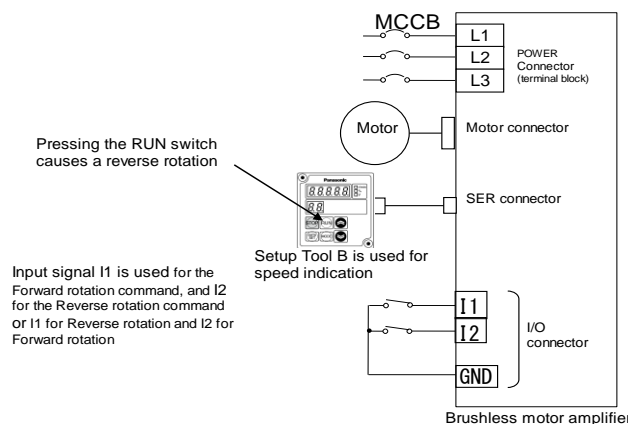
- Description of the Change: The software version was changed from Ver 2.08 to Ver 2.10.

■ Reason for the version change

When the motor is operated by using Setup Tool B and external terminals, following 2 symptoms might occur. This software version upgrade will fix these symptoms. All other characteristics, performance or reliability will remain unchanged.

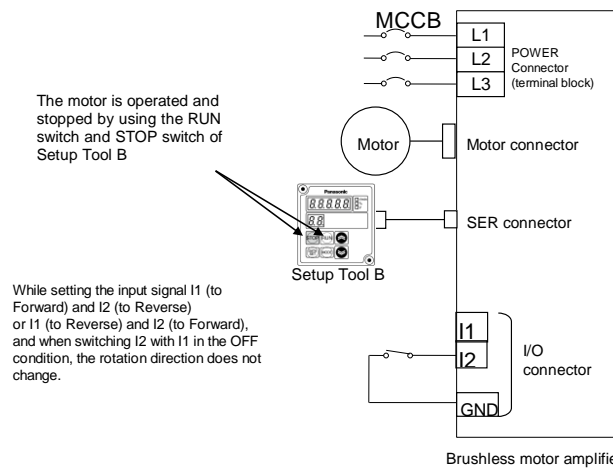
[Symptom 1]: When the following conditions [1], [2] and [3] occur at the same time, **the motor rotates in the opposite direction.**

- [1] When setup is made using external terminals for carrying out the operation command, in other words, parameter No.30 is set to "TEr" of the terminal block.
- [2] When the parameter No.33 "I1/I2 function selection" of function selection of the terminal block set to Reverse-Forward "r-F" or Forward-Reverse "F-r".
- [3] When the motor is operated by connecting an external switch to the I2 terminal and the operation switch (RUN button) is pressed on Setup Tool B



[Symptom 2]: When the following conditions [1], [2] and [3] occur at the same time, **the motor rotation direction does not change.**

- [1] When setup is made by using "RUN" and "STOP" buttons on Setup Tool B as part of an operation command, in other words, parameter No. 30 is set for panel operation "PnL".
- [2] When the parameter No. 33 "I1/I2 function selection" of function selection of the terminal block set to Reverse-Forward "r-F" or Forward-Reverse "F-r".
- [3] When changing the rotation direction by I2 terminal while activating operation switch ("RUN" button) on Setup Tool B.



- Timing: The change will be implemented starting from September 2016 production onwards
- Request: Please handle with utmost care when using Setup Tool B in your operation.

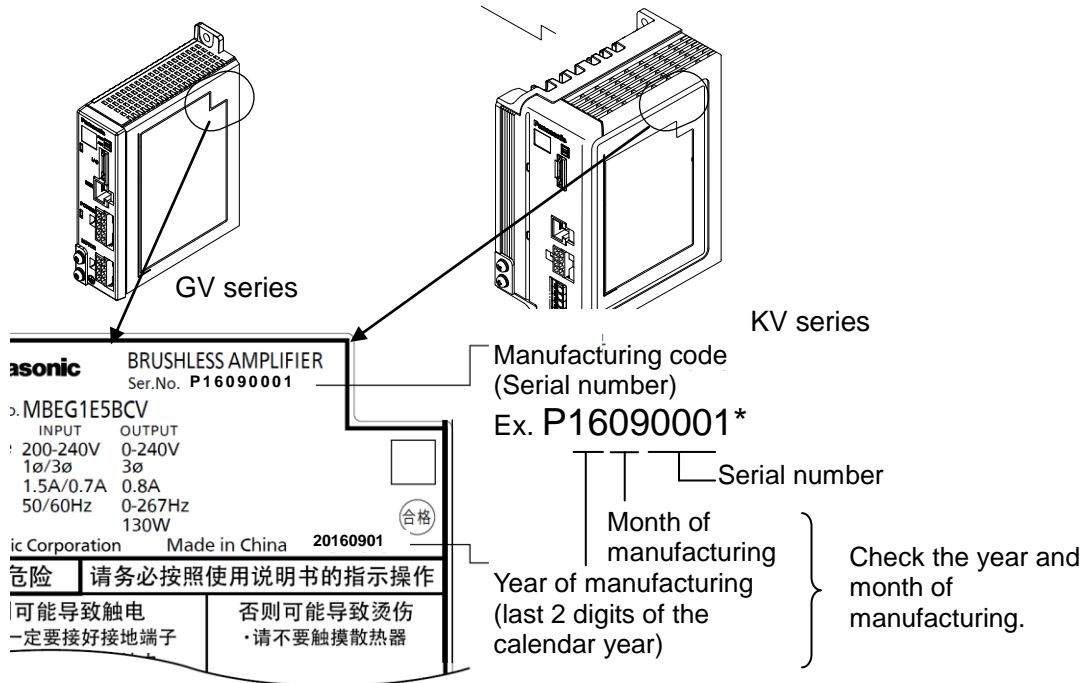
■ Method of checking

• by Software

On Setup Tool B, select parameter No. "F0" to display the software version.

• by Serial number of the product (year and month of production)

The manufacturing code (serial number) shown on the name plate can be found as follows:



The manufacturing code (serial number) shown on the label attached to the front surface of the package box follows the following rule.

