

5. REWRITING OF FIRMWARE

▲ 5.1 Precautions on rewriting the firmware

A. Check items

When rewriting the firmware, be sure to check the type (G00, G80) of current firmware and execute ISW with the same type of firmware.

Since the type of firmware differs depending on the board, an error code or malfunction code is displayed by executing ISW with wrong firmware.

Note

- Depending on the board, there are 2 types of firmware; G00-xxxx, G80-xxxx.
- When the rewrite is executed with the type that does not match the current firmware type, the rewrite does not complete normally and an error code or malfunction code occurs.
- Contact the service manager of the authorized distributor for the method to identify the board.

B. Target board

Control board that has different types

- FS-521: FNS control board (FNSCB)

5.2 Combination of firmware and board

5.2.1 Table of combination (FS-521: FNS control board)

		Types of board	
		Regular board A0GYH010	Substitute board A0GYH810
Types of FW	G00-xxxx	OK	NG-A ISW error is displayed during executing ISW. "ISW system error <E2>"
	G80-xxxx	NG-B After ISW completed normally, a malfunction code (C-C109) occurs at the reboot	OK

A. NG-A screen display

"ISW system error <E2>"

B. Recovery procedure

1. ISW error is displayed during executing ISW. "ISW system error <E2>"
2. Turn OFF the sub power switch (SW2).
3. While pressing the "Utility/Counter" button, turn ON the SW2 to enter the service mode.
4. Execute ISW with a proper firmware.

Note

- A malfunction code C-C109 is displayed by turning OFF/ON the sub power switch (SW2).
- Be sure to turn OFF the sub power switch (SW2) once, and then turn ON the SW2 again while pressing the "Utility/Counter" button to enter the service mode.

C. NG-B screen display

After ISW completed normally, a malfunction code (C-C109) occurs at the reboot

D. Recovery procedure

1. After ISW completed normally, a malfunction code (C-C109) occurs at the reboot
2. Turn OFF the sub power switch (SW2).
3. While pressing the "Utility/Counter" button, turn ON the SW2 to enter the service mode.
4. Execute ISW with a proper firmware.

Note

- Be sure to turn OFF the sub power switch (SW2) once, and then turn ON the SW2 again while pressing the "Utility/Counter" button to enter the service mode.