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Model: ZC4001

Subject: Software Update Information.

Symptom: Update the Software in order to improve the reliability of the ZR6001 and ZC4001 when they are connected over the PLC System.
1. The PLC's reception signal can be weakened when the ZR6001 and ZC4001 are connected over the PLC System.
2. When the ZR6001 is connected to two or more ZC4001 units over the PLC System with all the ZC4001 units simultaneously powered on, it can take two minutes or more before sound emerges from the ZC4001 units.
3. When the ZR6001 is connected to two or more ZC4001 units over the PLC System, it can destabilize the control of the ZR6001 by the ZC4001 units.

Solution: Update MAIN CPU's software version to [061013b51].
1. Update PLC's firmware to [V1.06].
2. A list of ERRATA (ZC4001 ADDENDUM SHEET) addition of the User Guide.
3. Furthermore, the MAIN CPU's software, SUB CPU's software and PLC's firmware of ZR6001 used in a pair of ZC4001 also needs to be changed to version [Main: V060919 1 / Sub: 060922 8 / PLC: V1.06]. Please refer to the SERVICE BULLETIN "REF.NBR: MZ06-044"

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Please refer to the service manual ZC4001 page 6 to 36 for the procedure. First of all, please check the firmware version. It can be confirmed on the "4.SERVICE MODE".

4. SERVICE MODE

MAIN CPU (IC21), PLC Firmware Version and FLD Segment Check Mode.

1. Press the **POWER ON/STANDBY** button to turn on the unit, then wait for about 10 seconds.
2. Press the **ENTER,■STOP** and **EXT** button simultaneously more than 5 seconds.
3. The FL display shows "ZC4001:yymmddcvv" (MAIN CPU version) and "MLD011RM Vx.xx" (PLC firmware version)

EX. :

```
                    0 6 1 0 1 3 b 5 1
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MAIN CPU version → | Z C 4 0 0 1 : | 0 6 0 3 0 7 c 3 0 |
PLC firmware version → | M L D 0 1 1 R M | V 0 . 4 0 |

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                    V 1 . 0 6
```

4. For FLD Segment check, Press **ENTER** button, vertical segments turns on.
5. Press **ENTER** button, next vertical segments turns on.
6. Press **ENTER** button, horizontal segments turns on.
7. Press **ENTER** button, next horizontal segments turns on.
8. Press **ENTER** button, all the FL segments turns on.
9. Press **ENTER** button, all the FL segments turns off.
10. For operation button check, when press the button of the unit or RC5/6 remote code is inputted, operation button name is shown on FLD
11. Press **POWER ON/STANDBY** button more than 5 seconds, to quit the check mode.
    After "CLEAR MEMORY" is shown on FLD, memory is cleared to default status.

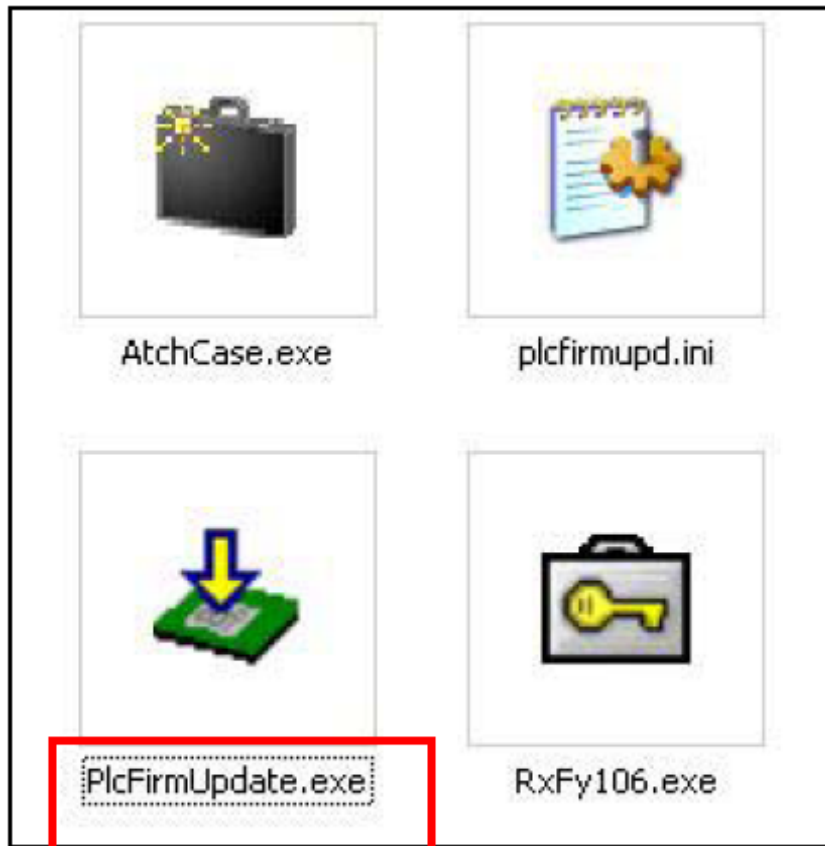## Update Procedure:

1. File name: ZC4001x061013b51.zip (MAIN CPU)

ZC4001x061013b51.mot

"ZC4001_yymmddcvv.mot." file name given in the service manual uses this.

2. File name: RxPlcUpdateV106_ZC4001.zip (PLC firmware)

AtchCase.exe   plcfirmupd.ini

PlcFirmUpdate.exe   RxFy106.exe

"PlcFirmUpdate.exe"

3. Addendum Sheet: part no. 00M10CW851030 (ZC4001 Addendum Sheet)
Attention: Don't start from the Zipped file. Please copy it onto your PC and be sure to unzip it before using.
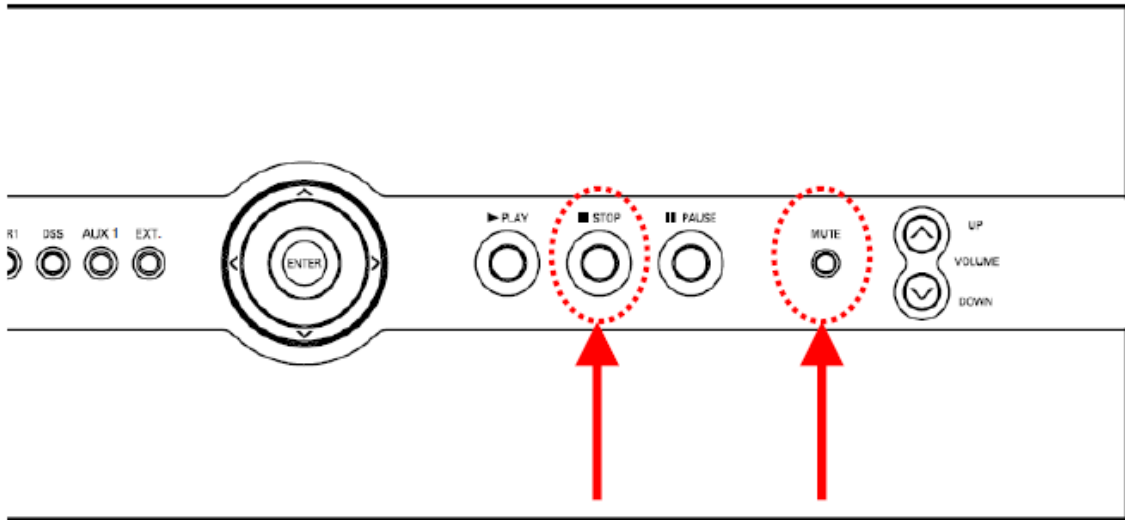
1) The ZC4001 is turned on, press and hold the STOP and MUTE buttons simultaneously for 3 seconds or more.

2) The FL display shows "DEFAULT!"

3) The FL display shows "CLEAR MEMORY" and EEPROM is cleared to the default status, microprocessor is reset and the unit return to the normal status.

4) After the FL display shows "TUNER", press the POWER ON/STANDBY to turn off the unit.

5) Disconnect the main AC cord.

Serial Number Range:

The update applies to MZ020621004700 and earlier.
This improvement has been done in production from serial number
MZ03xxxx004701 and after.