TEAC **TECHNICAL INFORMATION**

## TASCAM CD-RW2000, Substitution of the Drive

No. **0505**
DATE 3rd August 2005

Original drive (CD-W54E) has discontinued then new drive (CD-W58DA) for CD-RW2000 V3 is used for substitution. This info introduces how to mount CD-W58DA to original CD-RW2000.

### Outline of work

- Replace Converter MPU
- Replace Front MPU
- Remove C402 on Digital I/O PCB
- Replace drive
- Update drive firmware
- Mount new tray panel
- Add an insertion owner's manual for CD-RW2000 V3

**Note:**
The production of CD-RW2000 V3 has been started from S/No. 0390001 and up.

### Parts required

| Item | Qty | P/No. | Description |
|---|---|---|---|
| Converter MPU | 1 | 3S0048510A | UCOM Assy, HD64F7044 402V3 |
| Front MPU | 1 | S00598300A | IC, CXP82040-160Q Front3 G |
| New drive | 1 | V00140000A | CD-W58DA-T00 |
| New tray panel | 1 | M02038200A | Panel, Tray G RW2000 ASS |
| Insertion owner's manual (E) | 1 | (3D0046200A) | Sheet, ISKRC V3 CD-RW2000 |
| Drive update CD-R | | | "T58V1td.abf" written |

### Actual work

1. Replace Converter MPU (U707 on Converter PCB A) with new.
2. Replace Front MPU (U500 on Front PCB A) with new.
3. Just remove C402 (Electrolytic Capacitor) on Digital I/O PCB.
4. Replace drive with new.
   Note that new tray panel cannot be mounted at this stage as tray cannot be opened.
5. Update drive firmware
   By replacing Converter MPU and Front MPU in the step 4 above, update capability of drive is added now. As new drive is supplied with basic PC condition, drive firmware should be updated. Refer to "Drive firmware update procedure".
6. Turn the power of unit on, open the tray then turn the power off. Mount new tray panel.
7. Add an insertion sheet for Version 3.0.

## Drive firmware update procedure

There are two ways for drive update.
1. Update on CD-RW2000.
2. Update on Windows.

## 1. Update on CD-RW2000

Prepare update drive CD-R that has "T58V1td.abf" written on it.

**Preparation:**
1. Have a blank CD-R data disc available, as well as a system capable of creating data CDs.
2. Visit the **ROM Data Library** of the TASCAM Service HP website to download the firmware data image and write the firmware file on PC to the blank CD-R disc. (Use the "Disc at once" method that complies with ISO9660 Level 1: MS-DOS compatible)

**Notice:**
Be careful that the power supply to the unit is not interrupted during the update process otherwise firmware data of drive could be damaged and physical replacement of drive becomes unavoidable

**Procedure:**
1. Turn the power on while holding **CALL** and **MENU**.
2. Load update drive CD-R while display shows "RW2000 03.00"
   If version above is less than 03.00, drive update function does not work.
   Then replace Front MPU.
3. Confirm "CD" in display blinks. Then press **CALL** to check current version of drive.
   Existing version is "V1.TA" and "V1.TB" (the latest) as of May/2005.
4. Press **MENU**. Then the display shows current version and new version to be updated.
5. Press **ENTER** then update will start.
   "NOW UPDATE" is displayed and "**.**" at the right most corner blinks.
6. "COMPLETE" is displayed to inform the update finished successfully.
7. Turn the power off.

## 2. Update on Windows

Prepare "CDW58DA_1TD.exe" data file.

Visit the **ROM Data Library** in the TASCAM Service HP website to download firmware data image of "CDW58DA_1TD.exe" into PC.

1. While PC is powered off, connect the CD-W58DA to PC and reboot.
   No need to consider Primary/Secondary and Master/Slave.
2. Double-click on "CDW58DA_1TD.exe" to run.
3. Follow the messages that will appear.