

**TECHNICAL INFORMATION****TASCAM DA-302, ROM Upgrade (MAIN V1.30)**No. **0017**

DATE 20th June 2000

Main ROM, U603 on the Main PCB Assy has been upgraded from V1.20 to V1.30.
There are no products that have V1.30 mounted as of 20/June/2000.

	P/No. (PGMed ROM)	P/No. (Blank ROM)
MAIN V1.30	S002669-00F	52208320-00 (AM27C512-150DC)

Problems corrected by MAIN V1.30

- 1) Even if AUTO ID=ON, START ID is not written with AES/EBU input (mecha 1 and 2).
- 2) Even if AUTO ID=ON, START ID is not written with analog input (mecha 1).



TECHNICAL INFORMATION

TASCAM DA-302, ROM Upgrade (MAIN V1.20)

No. **9843**

DATE 4th November 1998

Main ROM, U603 on the Main PCB Assy will be upgraded from V1.10 to V1.20 on the products with S/No. 0190001 and higher. Purpose of this change is the feature improvement.

	P/No. (PGMed ROM)	P/No. (Blank ROM)
MAIN V1.20	S002669-00E	52208320-00 (AM27C512-150DC)

Problems corrected by MAIN V1.20

- 1) ABS time flickers during APPEND Dubbing.
- 2) Pack item No. 4 is not recorded by Normal Dubbing.

Notice:

- 1 Tokyo stock have been reworked and **8K** mark has been stamped on the carton box.
- 2 Production of 19th lot will start after 27/Jan/1999.
- 3 After the MAIN ROM is replaced, perform memory clearing with referring to Technical Information No. 9812.

Refer to supplement owner's manual P/No. **D00463100A** attached.

To our customers

In addition to the contents described in the owner's manual, the following functions are available.

- 1** During recording with the COMMON MODE switch set to "1 & 2", the Start ID, Skip ID, or End ID can be recorded manually on both DECK 1 and DECK 2 at the same time regardless of the setting of the SELECT 1/2 key.
- 2** The time code can also be copied in the Append Dubbing mode.
- 3** The blank time (non-recorded section) between programs on the recording tape can be selected in the Program Dubbing mode. The blank time between programs can be set (0~5 sec.) using the additional "PGM Blnk" menu item.
- 4** Note that Program playback is available only when the COMMON MODE switch is set to "OFF".
- 5** When the COMMON MODE switch is set to "1 & 2", the SKIP keys and STANDBY key function on both DECK 1 and DECK 2 at the same time.
- 6** The detection time for non-recorded sections in the AUTO ID mode can be selected.
The detection time can be set (1~5 sec.) with the additional "AutoID-T" menu item.
- 7** The Rec muting time can be selected.
The Rec muting time can be set (2~7 sec.) with the additional "Rec Mute" menu item.
- 8** Depending on the setting of the AUTO ID mode, the IDs that can be recorded in each dubbing mode are as follows.
In the High-Speed/Normal-Speed Dubbing mode:
When the AUTO ID mode is set to ON, IDs on the playback tape are not copied but Start IDs are recorded when the specified level is detected. In this case, all program numbers are shown as "--" in the display.
When the AUTO ID mode is set to OFF, all IDs (as well as program numbers) on the playback tape are copied.
In the Program/Append Dubbing mode:
When the AUTO ID mode is set to ON, only Start IDs on the playback tape are copied.
In this case, all program numbers are shown as "--" in the display.
When the AUTO ID mode is set to OFF, no IDs on the playback tape are copied.

TEAC TECHNICAL INFORMATION

TASCAM DA-302, MPU Upgrade, Servo Version 1.12

9813
27th March 1998

SERVO MPU,U52 on the SERVO PCB Assy have been upgraded on the products with S/No. 0150001 and higher.

Masked MPU, SERVO V1.12, P/No. S002793-00A

Problem corrected by SERVO V1.12

With 32 kHz LP tape, it takes about 5 seconds to lock the capstan servo.

This causes that the audio is outputted after 5 seconds from play start.

Note: When SERVO MPU is upgraded to V1.12, MAIN ROM should be upgraded to V1.10 simultaneously. Refer to Tech-Info No. 9812 for the details for MAIN ROM V1.10.

TEAC**TECHNICAL INFORMATION****TASCAM DA-302, Service Manual Correction**No. **9828**

DATE 10th July 1998

Corrections are required on the service manual (P/No. D004050-00A) as shown below.

On page 39

Ref. No.	X	O
3-18	V000152-00A CYL ASSY BLK	V000152-00B CYL HEAD ASSY

On page 41

Ref. No.	X	O
4-50	V000151-00A CHASSIS BASE BLK	V000701-00A CYL BASE ASSY

Notice 1)

Head drum has been illustrated like Fig. A throughout the DA-302 service manual. However, actual appearance is as Fig. B.

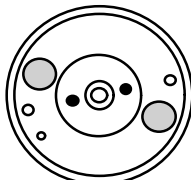


Fig. A

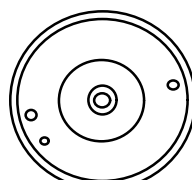


Fig. B

Notice 2)

DPG position of the DA-302 is different from that of DA-30MK2/DA-P1. Therefore do not refer to Fig. 4-10 on page 19 of the service manual that shows the case of DA-30MK2/DA-P1. When CYL HEAD ASSY is mounted on the DA-302, refer to Fig. 4-12 on page 20 only.

TEAC TECHNICAL INFORMATION

9812

TASCAM DA-302, ROM Upgrade, MAIN V1.02/1.10

27th March 1998

Changes have been made on MAIN ROM, U603 on the MAIN PCB Assy.

MAIN V1.02 mounted on the products with S/No. 0050271 and higher.

1 Problems corrected by MAIN V1.02

- 1) Slight discontinuity of ABS time occurs at a junction of recording.
- 2) Tape is not located to the next PGM when SKIP ID is detected. This occurs during SKIP ON and PGM Play mode.

2 Change of Feature

PGM Play mode is canceled during manual ID recording.

MAIN V1.10 mounted on the products with S/No. 0090151 and higher.

	P/No. (PGMed ROM)	P/No. (Blank ROM)
MAIN V1.10	S002669-00D	52208320-00 (AM27C512-150DC)

There is no difference than MAIN V1.02 but purpose of the change is to correspond to SERVO MPU V1.12. Refer to Tech-Info No. 9813 for the details for SERVO MPU V1.12.

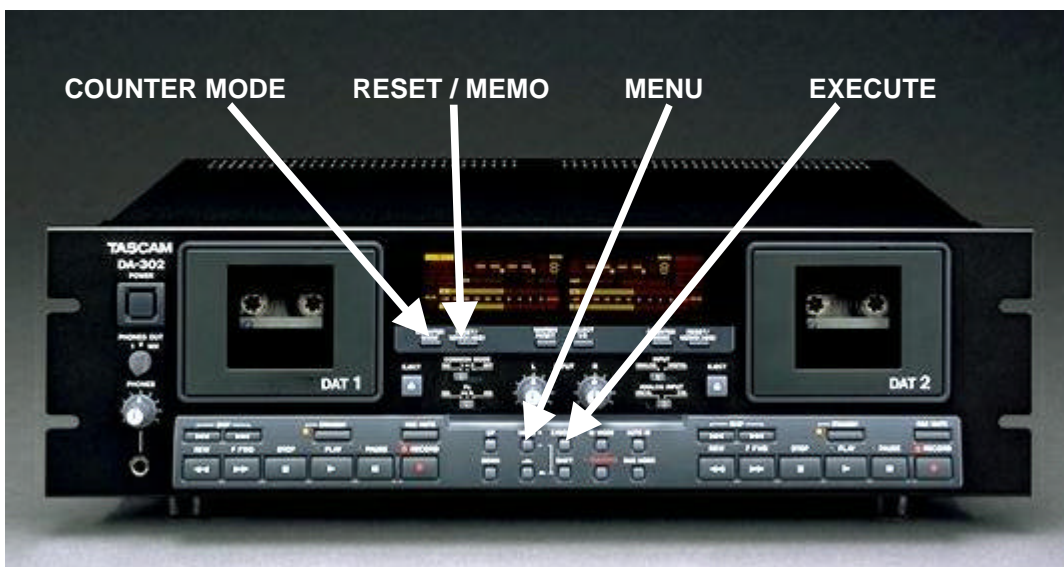
Note 1: When SERVO MPU is upgraded to V1.12, MAIN ROM should be upgraded to V1.10 simultaneously.

Note 2: MAIN V1.10 can be combined with SERVO V1.00 or V1.12.

After the MAIN ROM is replaced, perform memory clearing with referring to next page.

DA-302, Memory Clearing

- 1 Turn the power on.
- 2 Hold **RESET/MEMO** of DAT 1 and press **MENU**.
- 3 After the menu is displayed, press **MENU** 6 times.
- 4 "Mem Clr Ready" is displayed.
- 5 Press **EXECUTE**.
- 6 "Mem Clr Execute" is displayed then "Mem Clr Ready" comes back.
- 7 Press **COUNTER MODE** of DAT 1 or 2. Unit returns to normal operation.



Note: This resetting does not clear the drum time.

TEAC TECHNICAL INFORMATION

9809

6th March 1998

TASCAM DA-302, Clearing Drum Time

Strictly Confidential

Drum time can be cleared by the following procedure.

- 1 Turn the power on.
- 2 Press MENU several times then "Drum T" "xxxx H" appears.
- 3 Insert a cassette of which a hole (3) is opened.
- 4 Wind a tape to EOT (End Of Tape).
- 5 Hold SHIFT then press MARGIN RESET.

