

3-3-10. VF SYNC/BLKG Level Adjustment

Equipment: Oscilloscope
 To be extended: ES-12 board
 Preparation: OUTPUT/DL/DCC + switch/camera side → BARS
 Trigger: HD (TP84/extension board)

Adjustment Procedure

- SERVICE menu "PAGE 7"
 VF SYNC
 → VF BLKG

Note: For the adjustment procedure, at the first "VF BLKG" adjustment is done, and next, "VF SYNC" adjustment is done.

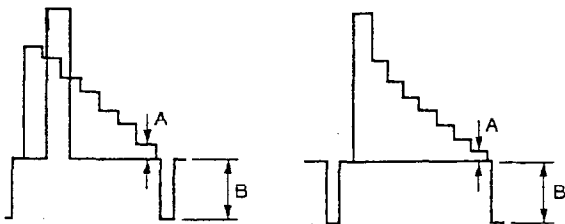
- Adjust the following items by UP ▲ switch or DOWN ▼ switch.

Extension board (GND : TP81/ES-12 board)

Item	Test Point	Specification
VF BLKG	TP82	NTSC : A = 50 ± 10 mV PAL : A = 50 ± 10 mV
VF SYNC	TP82	NTSC : B = 286 ± 10 mV PAL : B = 300 ± 10 mV

[for NTSC]

[for PAL]



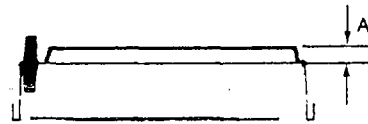
3-3-12. Pedestal Adjustment

Equipment: Waveform monitor
 Test point: VIDEO OUT/Camera side

Adjustment Procedure

- SERVICE menu "PAGE 15"
 → MELK ADJ:
- Close the lens iris.
- Push down the "W/B" switch on the camera to "BLK" side.
- Adjust the pedestal level by UP ▲ switch or DOWN ▼ switch.

Specification : A = 10 ± 1 IRE (for NTSC)
 20 ± 7 mV (for PAL)



3-3-2. INT SC-H Phase Adjustment

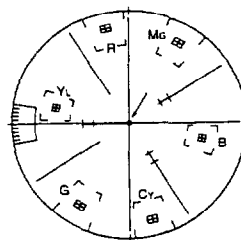
Note:

Stated below is a procedure with the SC-H phase measuring equipment (Tektronix Waveform monitor 1765).
 If any other equipment is used, perform adjustment at the following adjustment point by reading the instruction manual attached.

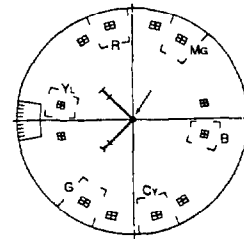
Equipment: Waveform monitor (SC-H Phase mode)
 Preparation:
 • Put the Tektronix Waveform monitor 1765 to SC-H mode.
 Test point: VIDEO OUTconnector/camera side

Adjustment Procedure

- SERVICE menu "PAGE 8"
 → SC-H
- Adjust the phase relationship between SC (Burst) and H beam spot correctly by UP ▲ switch or DOWN ▼ switch.



[for NTSC]



[for PAL]

Note:

After this adjustment, set the mode of Tektronix Waveform monitor 1765 to "WFM" mode.

DOCUMENT A : page 2

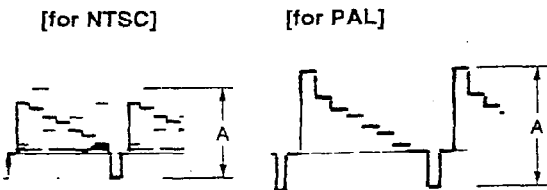
3-3-8. Y (YC) Level Adjustment

Note:
Be sure that "3-3-7. Y (VBS) Adjustment" is completed.

Equipment: Oscilloscope
To be extended: ES-12 board
Preparation: OUTPUT/DL/DCC + switch/camera side
→ BARS

Test point: TP66 (GND: TP67)/extension board
Trigger: HD (TP84/extension board)

Adjusting point: RV502 (Y LEVEL)/ES-12 board
Specification: [for NTSC] $A = 1.00 \pm 0.02$ V
[for PAL] $A = 1.00 \pm 0.02$ V



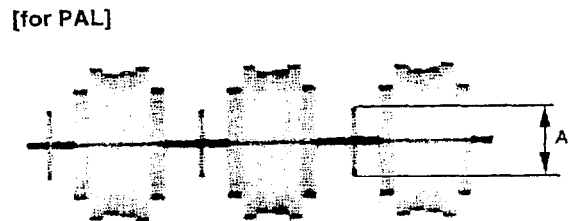
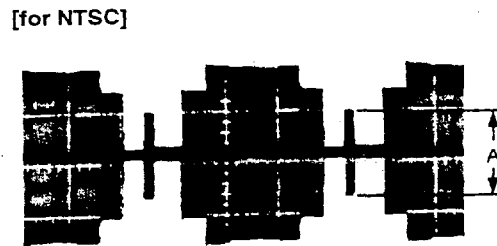
3-3-9. Chroma (YC) Level Adjustment

Equipment: Oscilloscope
To be extended: ES-12 board
Preparation: OUTPUT/DL/DCC + switch/camera side
→ BARS

Test point: TP64 (GND: TP65)/extension board
Trigger: HD (TP84/extension board)

Adjusting point: RV505 (CHROMA (YC) LEV)/ES-12 board

Specification: [for NTSC] $A = 286 \pm 10$ mV
[for PAL] $A = 300 \pm 10$ mV

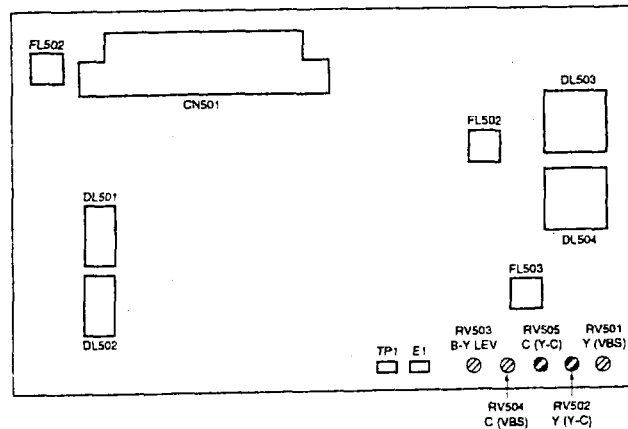
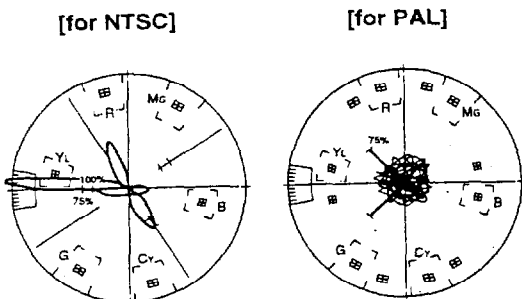


3-3-5. Carrier Balance Adjustment

Equipment: Verctorscope (MAX GAIN)
Preparation: OUTPUT/DL/DCC + switch/camera side
→ BARS
Test point: VIDEO OUT connector/camera side

Adjusting point:

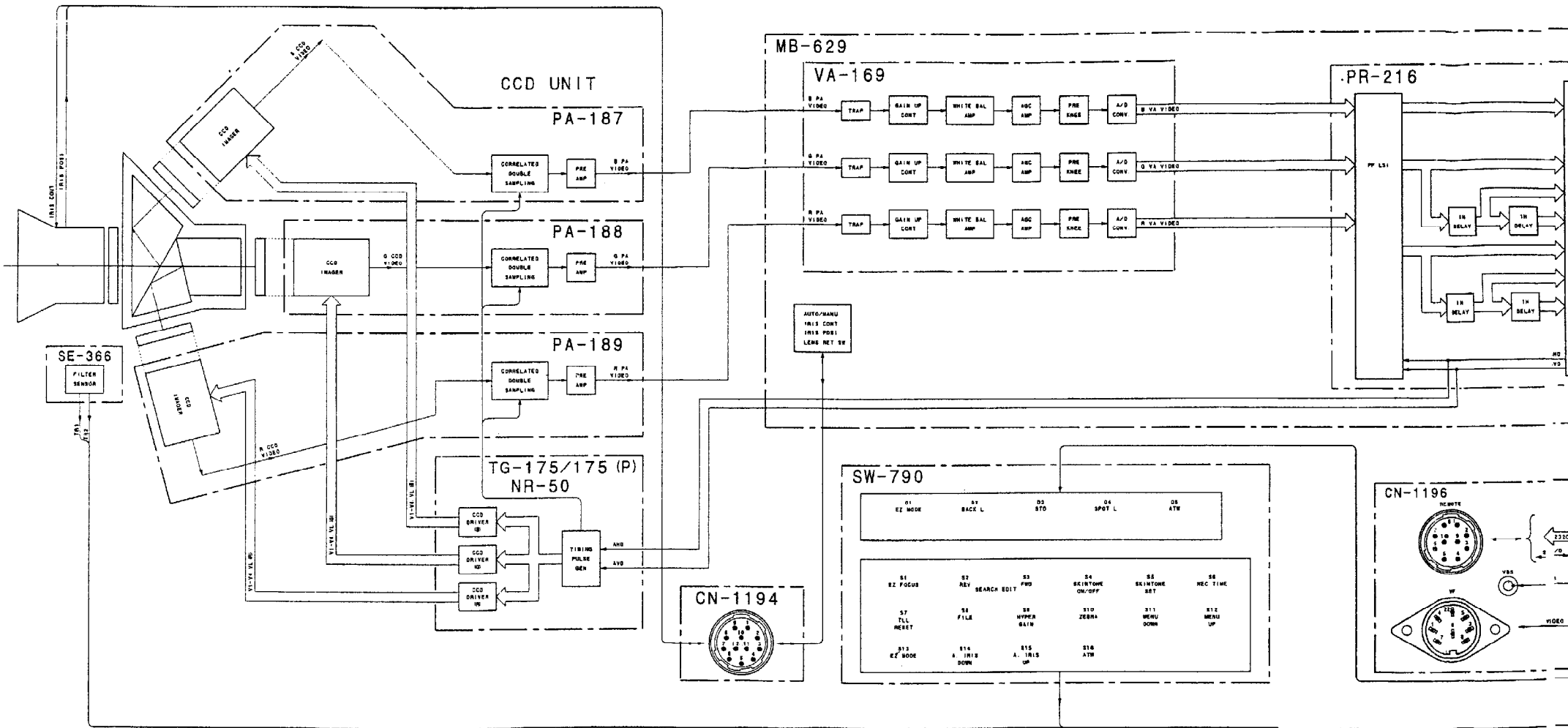
- SERVICE menu "PAGE 7"
→ R-Y CAL:
B-Y CAL:
- Move the cursor to R-Y CAL or B-Y CAL with STATUS/MENU switch, and adjust the UP ▲ switch or DOWN ▼ switch so that the beam spot is in the center of the vectorscope.



ES-12 BOARD - A SIDE-

DXC-D30 (UC)
DXC-D30P (CE)

DOCUMENT B : Document reponse a joindre à votre copie

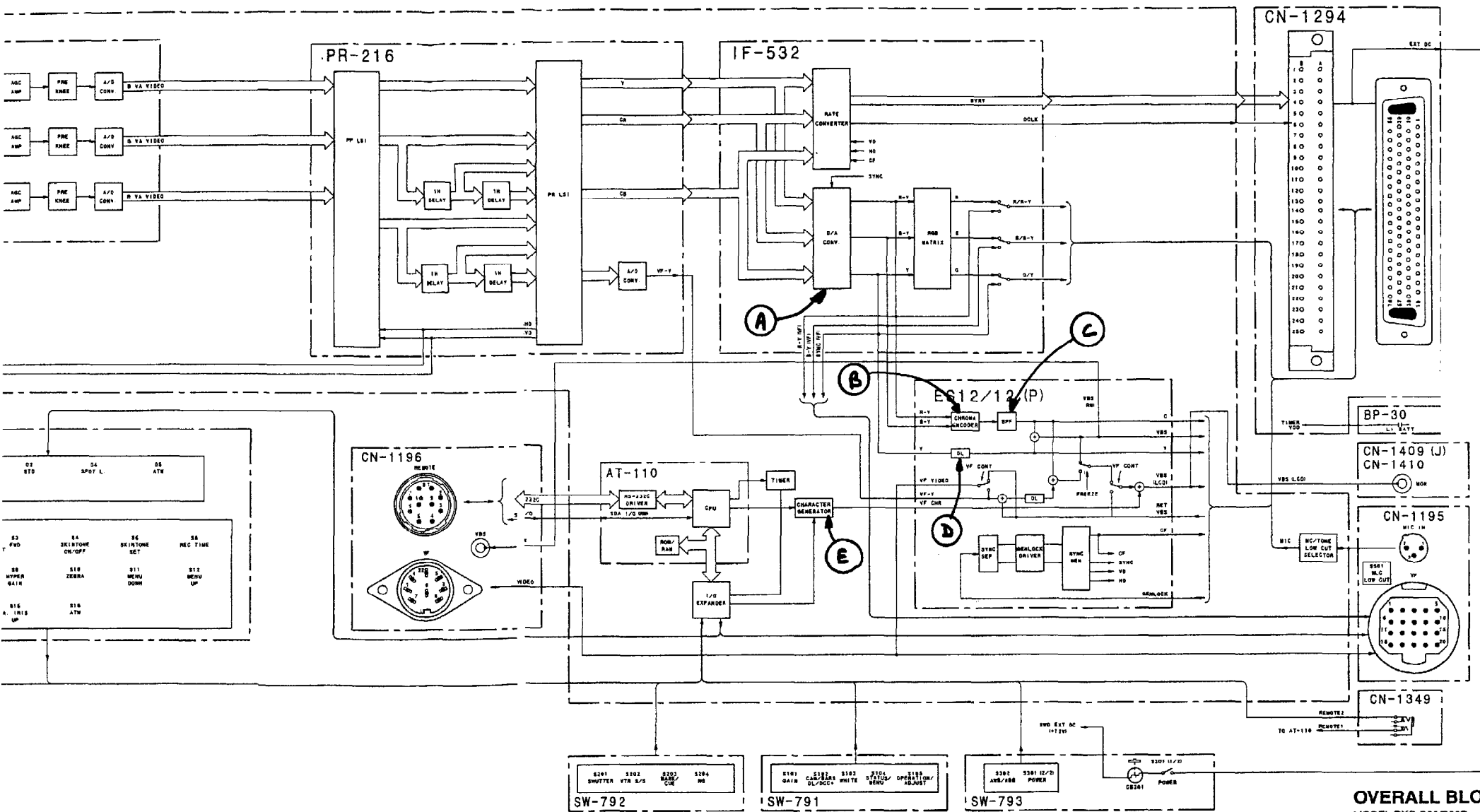


Couleur du suivi de R-Y ou R :

Couleur du suivi de B-Y ou B :

Couleur du suivi de Y ou V :

OVERALL BLOCK OVERALL BLOCK



OVERALL BLOCK
 MODEL DXC-D30/D30P
 B-DXG30-OABLOCK

PERIODIC INSPECTION LIST

The following table shows the reference parts replacement time which is not the warranty time of parts. Refer to the following table to establish the periodic inspection schedule which realizes the full performance and function of a unit and to extend life of a tape.

The actual parts replacement period depends on the operating environment and conditions of a unit.

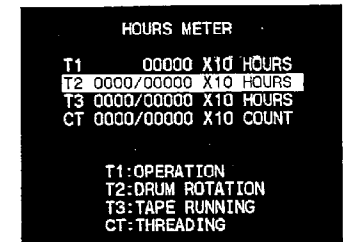
☆ : Part replacement ◇ : Check (adjustment) ○ : Cleaning

	Periodic inspection items				Hours meter	Inspection time (hours)				Remarks
	Inspection items	Part number	Name	Quantity	Display mode	1500	3000	4500	6000	
Tape drive system	Drum assembly	A-8315-156-A	Drum assembly (DEH-05A-R)	1	T2	☆	☆	☆	☆	For DSR-60/60P For DSR-80/80P
		A-8315-493-A	Drum assembly (DEH-06A-R)							
	Pinch solenoid	1-454-337-	Solenoid plunger	1	T2	-	-	-	◇	
	Reel motor (S)	A-8311-188-	RS table (S) assembly	1	T2	-	◇	-	◇	
	Reel motor (T)	A-8311-189-	RS table (T) assembly	1	T2	-	◇	-	◇	
	Limit rubber of gear box	3-604-442-	Limit rubber	1	CT	Replace every 200,000 times.				
	Fan motor	1-698-785-	DC fan motor	1	T1	Replace every 30,000 hours.				
	Brake shoe (S)	X-3678-873-	Brake (S) assembly	1	T2	◇	◇	◇	◇	
	Brake shoe (T)	X-3678-874-	Brake (T) assembly	1	T2	◇	◇	◇	◇	
	Head cleaner solenoid	1-454-337-	Solenoid plunger	1	T2	-	-	-	◇	
Tape run path	Capstan motor	1-698-881-	DC motor (capstan)	1	T2	-	◇	-	◇	
	Pinch roller	X-3678-746-	Pinch roller arm assembly	1	T2	☆	☆	☆	☆	
	Guide roller TG-1	X-3678-723-	Guide roller assembly	1	T2	-	◇	-	◇	
	Guide roller TG-2	X-3678-762-	TG-2 guide roller assembly	1	T2	-	◇	-	◇	
	Guide roller TG-3	X-3678-711-	TR roller assembly	1	T2	-	◇	-	◇	
	Guide roller TG-6	X-3678-723-	Guide roller assembly	1	T2	-	◇	-	◇	
	Guide roller TG-7	X-3678-718-	Leading roller assembly	1	T2	-	◇	-	◇	
	Guide roller TG-8	A-8278-414-	Loading ring assembly	1	T2	-	◇	-	◇	
	Guide roller TG-9	A-8278-414-	Loading ring assembly	1	T2	-	◇	-	◇	
	Guide roller TG-10	A-8278-414-	Loading ring assembly	1	T2	-	◇	-	◇	
	Guide roller TG-12	X-3604-922-	TG-12 assembly	1	T2	-	◇	-	◇	
	Tape running surface (including tape cleaner)	-	-	-	-	○	○	○	○	
	Cleaner	Head cleaner	A-8312-011-	HC assembly	1	T2	☆	☆	☆	☆
Head cleaner		A-8316-539-	HC assembly (2)	1	T2	☆	☆	☆	☆	For DSR-80/80P
Others	Cassette compartment block	A-8312-671-	Cassette compartment assembly	1	CT	Replace every 100,000 times.				
	Cassette memory terminal	A-8311-617-	MIC holder (E) assembly	1	T2	◇◇	◇◇	◇◇	◇◇	

T1 : OPERATION T2 : DRUM ROTATION T3 : TAPE RUNNING CT : THREADING

Note 1: Life of a head can be shortened in the atmosphere of high humidity, high temperature or in dusty area. Use of the unit in an atmosphere which is air-conditioned and dust is less, is recommended. Storage of tape under constant temperature and constant humidity is recommended.

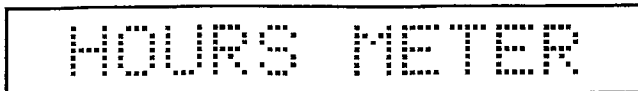
[Monitor screen]



HOURS METER

The hours meter data is displayed on the monitor display and the time counter display area. Therefore, the hours meter data cannot be checked without turning on the main power to the unit. Periodic inspection is recommended to be performed using the hours meter reading.

HOURS METER



The hours meter has the four types of display mode. The accumulated elapsed hours of operation or accumulated times of operation are displayed in the respective modes. The T2, T3 and CT modes have both of resettable accumulation counter and un-resettable accumulation counter.

Note : The actual hours and times are obtained by multiplying the displayed number by 10.

Modes	Contents of display
T1 : OPERATION	Accumulated hours of power on
T2 : DRUM ROTATION	Accumulated hours of drum rotation at the threaded-end position
T3 : TAPE RUNNING	Accumulated hours of tape running in the respective modes of fast forward, rewind, playback, search, record and edit (except for the still mode during search)
CT : THREADING	Numbers of times of threading and unthreading

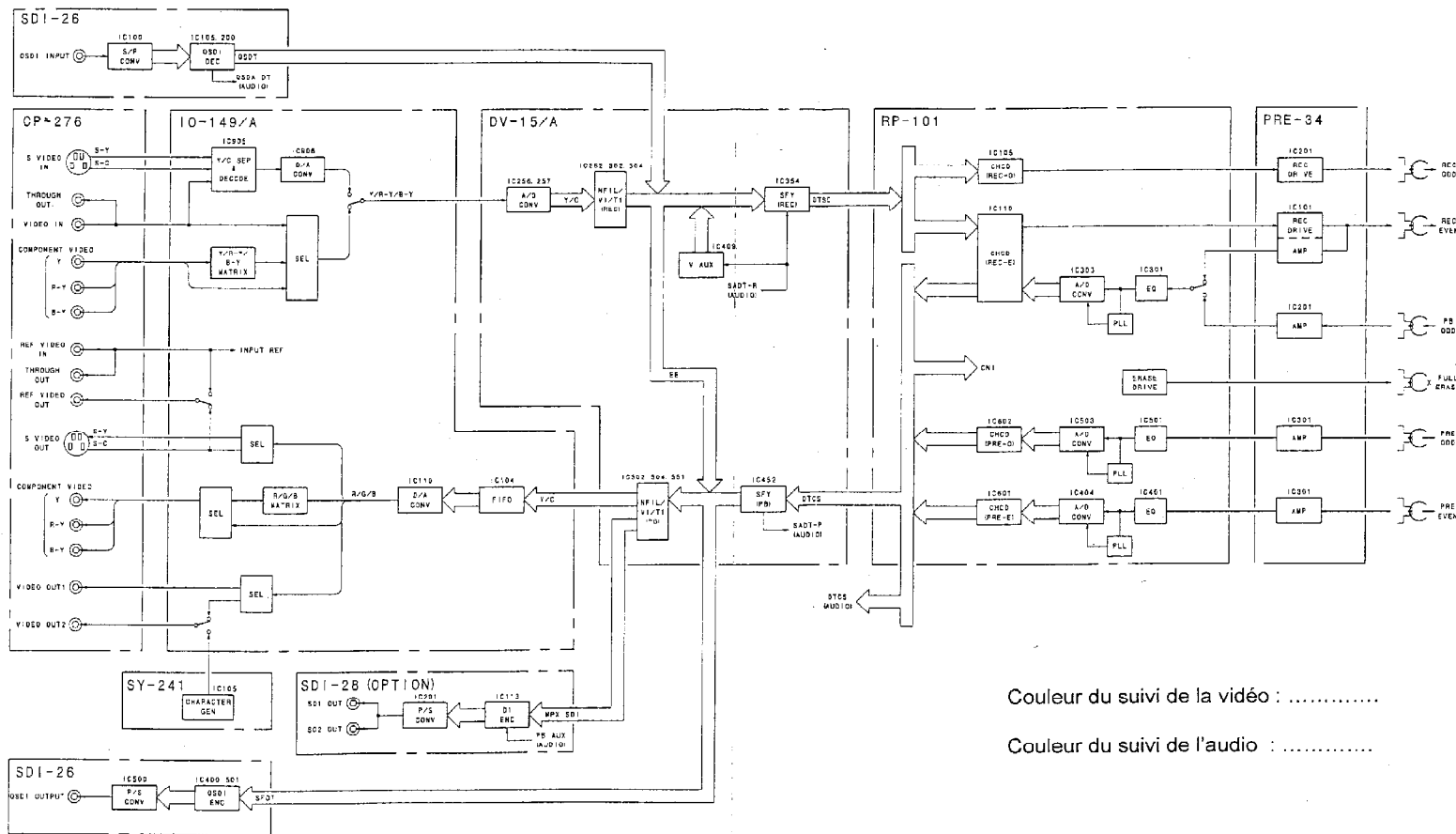
Example : The following display indicates that the accumulated hours of drum rotation at the threaded-end position is 1500 hours.



OVERALL (1/3) OVERALL (1/3)

DSR-80/80P

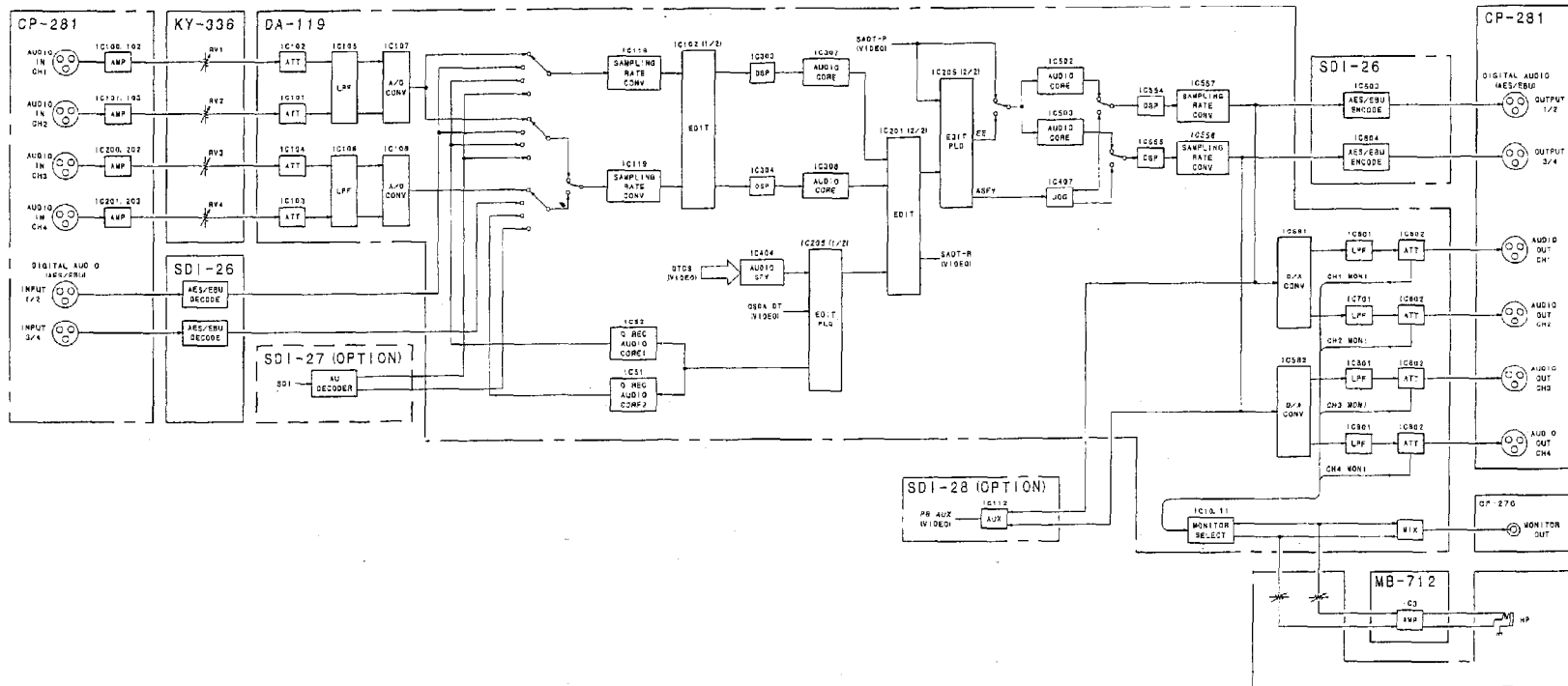
DOCUMENT D : Document reponse a joindre à votre copie



Couleur du suivi de la vidéo :
Couleur du suivi de l'audio :

Académie : _____
 Examen ou Concours : _____
 Spécialité/option* : _____
 Epreuve(s)-épreuve : _____
 NOM : _____
 (en majuscules, sans 'S' et 'T' à l'exception de nom d'épouse)
 Prénoms : _____
 Né(e) le : _____
 Session : _____
 Série* : _____
 Répère de l'épreuve : _____
 N° du candidat : _____
 (le numéro est inscrit figurant sur la composition ou sur l'étiquette)

DOCUMENT E : Document reponse a joindre à votre copie



Session :

Académie :

Examen ou Concours :

Spécialité/option* :

Épreuve/sous-épreuve :

NOM :

(en majuscules, sans accent et sans nom d'épouse)

Prénoms :

Né(e) le :

Série* :

Repère de l'épreuve :

N° du candidat

(le numéro est celui qui figure sur la communication ou la liste d'appel)

Académie :	Session :
Examen ou Concours	Série* :
Spécialité/option* :	Repère de l'épreuve :
Épreuve/sous-épreuve :	
NOM :	
<small>(en majuscules, suivi s'il y a lieu, du nom d'épouse)</small>	
Prénoms :	N° du candidat
Né(e) le :	<div style="border: 1px solid black; width: 100px; height: 20px;"></div>

(le numéro est celui qui figure sur la convocation ou la liste d'appel)

AVETES

DOCUMENT 7 : Document réponse à joindre à votre copie

3-1 Compléter le tableau dans les deux cas suivants :

Tableau n°1

	Niveau du signal d'entrée	Pad	Gain du Préamplificateur	Niveau du signal de sortie
Cas n°1		20 dB	30 dB	+ 21 dBu
Cas n°2		0 dB	60 dB	+ 4 dBu

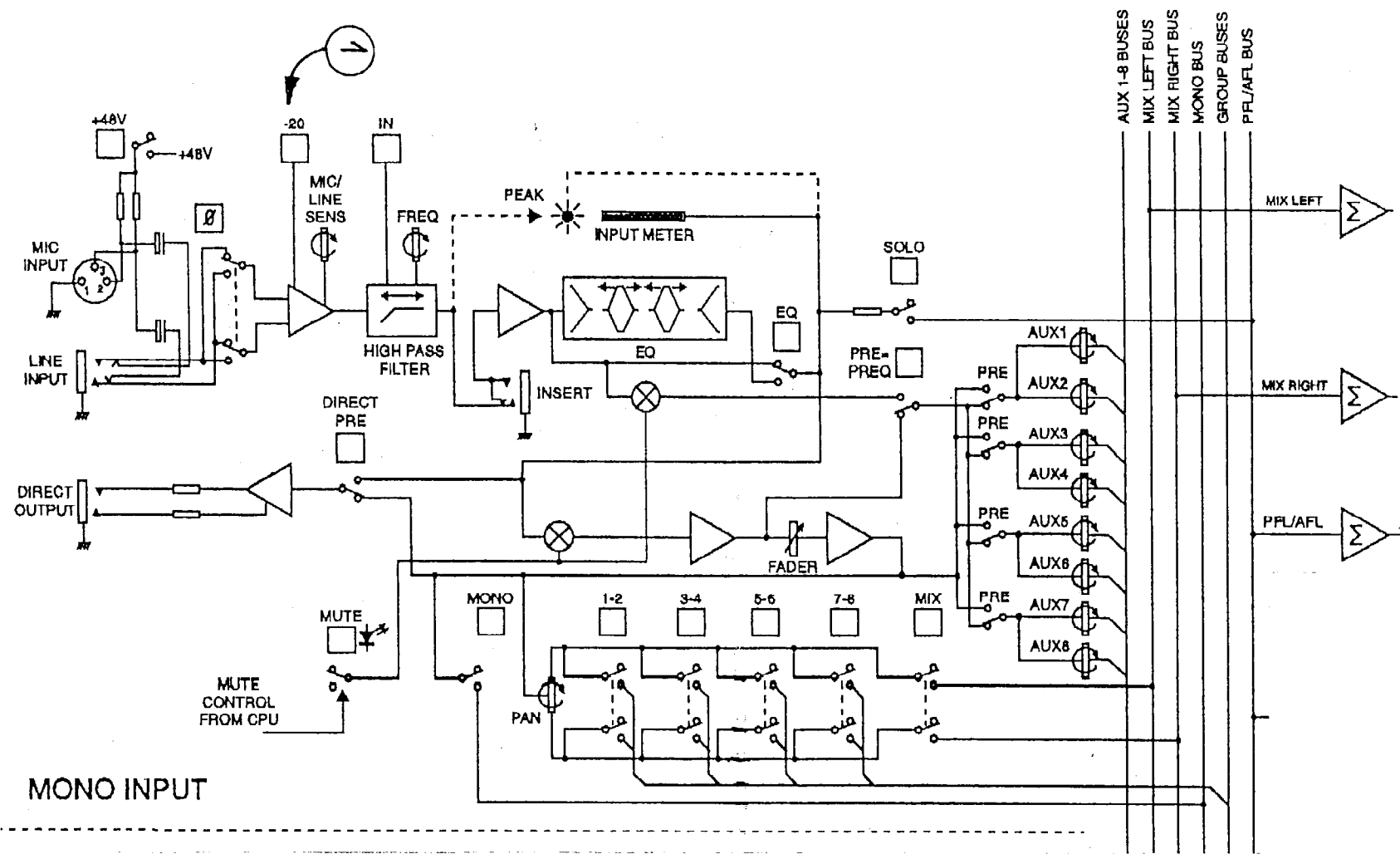
3-4 Compléter le tableau dans les deux cas suivants :

Tableau n°2

	Niveau du signal analogique	Niveau du signal numérique
Niveau de référence	0 dBu	- 18 dB(FS)
Cas n°1		0 dB(FS)
Cas n°2	+ 4 dBu	

SOUNDCRAFT SERIE TWO

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MONO INPUT