## SONY. SERVICE MANUAL

**Output level** 

US Model Canadian Model E Model

## **CORRECTION-1**

Please correct your service manual.



## : Corrected portion Correct Incorrect Page 2-2. ELECTRICAL ADJUSTMENTS 2-2. ELECTRICAL ADJUSTMENTS Note: The adjustment should be performed in the order given in the Note: The adjustment should be performed in the order given in the service manual. As a rule, adjustments about playback should be service manual. As a rule, adjustments about playback should be performed before those about recording. The adjustments should be performed before those about recording. The adjustments should be performed for L-CH and R-CH. performed for L-CH and R-CH. Switches and controls should be set as follows unless otherwise Switches and controls should be set as follows unless otherwise specified. specified. DOLBY NR switch: OFF DOLBY NR switch: OFF TAPE SELECTOR switch: TYPE-1 (NORMAL) Standard Record: Standard Record: Deliver the standard input signal level to the input jack and set the Deliver the standard input signal level to the input jack and set the REC LEVEL control to obtain the standard output signal level. REC LEVEL control to obtain the standard output signal level. Before recording short in CN505 with a lead wire, otherwise - Record Mode -MUTING function and output signal does not appear at LINE-OUT terminals. AF OSC - Record Mode attenuator 10 k \O AF OSC 600 Ω LINE OUT attenuator CN601 Pin ② (R-ch) Pin ④ (R-ch) LINE OUT CN601 Pin ① (R-ch) Pin ⑤ (R-ch) 3 INE OUT 0 dB=0.775 V Pin 🖔 (R-ch) Standard Input Level LINE OUT 0 dB=0.775 V Input terminal (CN601 Pin (1), (5)) Standard Input Level Source impedance $10 k\Omega$ 0.25 V ( - 10dB) Input level LINE OUT Input terminal (CN601 Pin (1), (5)) $10\,k\Omega$ Source impedance Standard Output Level Input level 0.5 V (-3.8 dB)LINE OUT **Output terminal** (CN601 Pin 2, 4) $47 k\Omega$ Load impedance

0.32 V (-7.7 dB)

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•	Stand	ard	Output	l evel

Output terminal	LINE OUT (CN601 Pin ②, ④)
Load impedance	47 kΩ
Output level	0.5 V ( - 3.8 dB)

Page			Incor	rect		Correct			
Lugo	Test tape					Test tape			
	Type Signal Used for			Type	Signal	Used for			
	H	P-4-A100	10 kHz, - 10 dB	Azimuth adjustn		P-4-A100	10 kHz, - 10 dB	Azimuth adjustment	
3	H	P-4-L300	315 Hz, 0 dB	PB level adjustm		P-4-L300	315 Hz, 0 dB	PB level adjustment	
	-	WS-48A	3 kHz, 0 dB	Tape speed adjus		WS-48B	3 kHz, 0 dB	Tape speed adjustment	
٠	<u> </u>	110 4071	3 K12, 0 tb	Tape speed adju	J	W3-40B	3 K12, 0 db	1 ape speed adjustment	
	Record Bias Adjustment DECK B  Starting: REC LEVEL control: Standard Record (See page 3.)  Procedure:					Record Bias Adjustment DECK B  Starting: REC LEVEL control: Standard Record (See page 3.)  Procedure:			
5	1.	AF OSC	attenuator 10 kΩ 000 Ω/ LINE IN 1) 315 Hz 2) 10 kHz	CS-122 not record set  \$ 24.5 mV ( - 30)		1. Mode: Record  AF OSC  CS-123  blank TAPE  attenuator 10 k $\Omega$ $600 \Omega$ LINE IN  1) 315 Hz 2) 10 kHz  50 mV ( $-23.8 \text{ dB}$ )			
	Record Level Adjustment DECK B  Starting:  REC LEVEL control: Standard Record (See page 3.)					Record Level Adjustment DECK B  Starting: REC LEVEL control: Standard Record (See page 3.)			
	Procedure: 1. Mode: Record					Procedure: 1. Mode: Record			
5	AF OSC  CS-122  not record portion  attenuator 10 k $\Omega$ +0   10   0   0   0    CS-122  not record portion  attenuator 10 k $\Omega$ LINE IN  315 Hz, 69.1 mV ( - 21 dB)					AF OSC  CS-123  blank TAPE  attenuator 10 k $\Omega$ +0 1 0 0 0 0 set  600 $\Omega$ LINE IN  315 Hz, 50 mV ( - 23.8 dB)			
	3. Playback the signal recorded in step 1.  Confirm that signal level is within the adjustment limits below. If necessary, adjust RV141 (L-ch) and RV241 (R-ch) and repeat the step 1 – 2.					3. Playback the signal recorded in step 1.  Confirm that signal level is within the adjustment limits below. If necessary, adjust RV141 (L-ch) and RV241 (R-ch) and repeat the step 1 - 2.			
	<b>Adjustment Limits:</b> $-22.7 \text{ dB} \pm 0.5 \text{ dB} (53.6 - 60.2 \text{ mV})$				mV)	<b>Adjustment Limits:</b> - 23.8 dB ± 0.5 dB (47.2 - 53.0 mV)			
	Ad	justment Lo	cation: main board	(component side) (	See Page 6.)	Adjustment Location: main board (component side) (See Page 6.)			
6		RV502  TAPE SPEED NORMAL	0	PLAYBACK LEVEL (DECK A)  RV201	PLAYBACK LEVEL (DECK B)  RV202	RVS02 TAPE SPEED NORMAL  CNS05		RV101  PLAYBACK LEVEL (DECK A)  RV201  RV202	

Sony Corporation Audio Group