

WM-D6C/TC-D6C

WM-D6C/TC-D6C

SERVICE MANUAL

SUPPLEMENT

File this Supplement with the Service Manual.

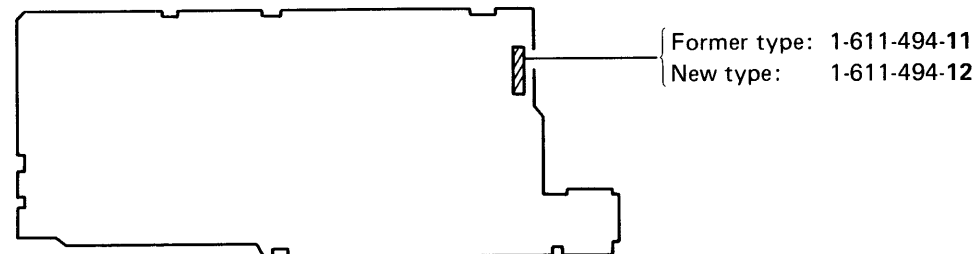
Subject: DOLBY IC (IC101, 201) CHANGE

(Former) (New)
IC101, 102 CX20068 ➔ CX20218

Because of this change, main board and the circuit around DOLBY IC have been changed.

- New or former type can be identified by the part-number suffix of main board.

MAIN BOARD



The mounting diagram and the schematic diagram for the main board whose part-number suffix is 12 are given in this supplement.

As to information for the main board whose part-number suffix is 11, refer to the service manual previously issued.

- CHANGED PARTS Page 2—3
- Semiconductor lead layouts Page 3
- MOUNTING DIAGRAM Page 4—6
- SCHEMATIC DIAGRAM Page 7—10
- CORRECTION Page 3

STEREO CASSETTE-CORDER
SONY®

English
85A06135-1
Printed in Japan
© 1985

Sony Corporation

9-951-385-81

WM-D6C:
US Model
Canadian Model
AEP Model
UK Model
E Model

TC-D6C:
US Model

No. 1
January, 1985

• CHANGED PARTS

Note: Components for right channel is omitted. (Reference numbers are corded from 201.)

Ref. No.	Former (PC Board Suffix-11)				New (PC Board Suffix-12)			
	Description				Part No.	Description		
C103	TANTALUM	33 μ F	20%	6.3V	1-124-220-00	ELECT	33 μ F	20% 4V
C117	CERAMIC	100PF	10%	50V	1-102-108-00	CERAMIC	150PF	10% 50V
C121	CERAMIC	0.022 μ F	10%	25V	1-161-054-00	CERAMIC	0.018 μ F	10% 25V
C122	ELECT	2.2 μ F	20%	50V	1-124-255-00	ELECT	1 μ F	20% 50V
C123	TANTALUM	0.15 μ F	10%	35V	1-131-343-00	TANTALUM	0.22 μ F	10% 35V
C127	TANTALUM	0.15 μ F	10%	35V	1-131-341-00	TANTALUM	0.1 μ F	10% 35V
C128	TANTALUM	0.15 μ F	10%	35V	1-131-343-00	TANTALUM	0.22 μ F	10% 35V
C129	CERAMIC	0.0047 μ F	10%	25V	1-161-012-00	CERAMIC	0.0082 μ F	10% 25V
C134	CERAMIC	560PF	10%	50V	1-102-119-00	CERAMIC	0.0015 μ F	10% 50V
D101	DIODE	1S1555						
D201	DIODE	1S1555						
D301	DIODE	HZ3ALL						
IC101	IC	CX20068			8-752-021-80	IC	CX20218	
IC201	IC	CX20068			8-752-021-80	IC	CX20218	
R134	CARBON	18K Ω	5%	1/6W	1-247-869-00	CARBON	39K Ω	5% 1/6W
R135	CARBON	240K Ω	5%	1/6W	1-247-872-00	CARBON	51K Ω	5% 1/6W
R136	CARBON	240K Ω	5%	1/6W	1-247-891-00	CARBON	330K Ω	5% 1/6W
R137	CARBON	1.8K Ω	5%	1/6W	1-247-831-00	CARBON	1K Ω	5% 1/6W
R138	CARBON	20K Ω	5%	1/6W	1-247-858-00	CARBON	13K Ω	5% 1/6W
R139	CARBON	15K Ω	5%	1/6W	1-247-858-00	CARBON	13K Ω	5% 1/6W
R141	CARBON	560 Ω	5%	1/6W	1-247-827-00	CARBON	680 Ω	5% 1/6W
R149	CARBON	27K Ω	5%	1/6W	1-247-859-00	CARBON	15K Ω	5% 1/6W
R150	CARBON	22K Ω	5%	1/6W	1-247-871-00	CARBON	47K Ω	5% 1/6W

WM-D6C/TC-D6C

Ref. No.	Former (PC Board Suffix-11)				New (PC Board Suffix-12)			
	Description				Part No.	Description		
R154					1-247-890-00	CARBON	300K Ω	5% 1/6W
R161	CARBON	240 Ω	5%	1/6W	1-247-818-00	CARBON	300 Ω	5% 1/6W
R170					1-247-903-00	CARBON	1M Ω	5% 1/6W
R171					1-216-198-00	METAL CHIP	1K Ω	5% 1/8W
R172					1-216-081-00	METAL CHIP	22K Ω	5% 1/10W
R312	CARBON	470 Ω	5%	1/6W	1-247-826-00	CARBON	620 Ω	5% 1/6W
R313	CARBON	390 Ω	5%	1/6W	1-247-824-00	CARBON	510 Ω	5% 1/6W

Service Manual P31, 32

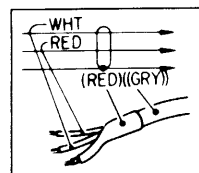
(345) LEVER, SPRING HOOK 3-557-405-00 ➔ 3-305-988-01

• Semiconductor lead layouts

CX10043 CX20218 CX20084 NJM386M NJM4558M 	2SA1048-GR 2SB808 2SC2458 2SC2458L-BL 	2SC1623 	1S1555 	GL9PR10
MSM58141RS 	2SB1013 2SC2001 	2SD1020 	1S2837 	NJL5141E

Note: FOR MOUNTING DIAGRAM

- Color code of sleeving over the end of the jacket.



- ○ — : parts extracted from the component side.
- ● — : parts extracted from the conductor side.
- ■ : part mounted on the conductor side.

- — : R + package
- — : signal path
- — : L CH signal path
- — : R CH signal path

CORRECTION

Service Manual P36

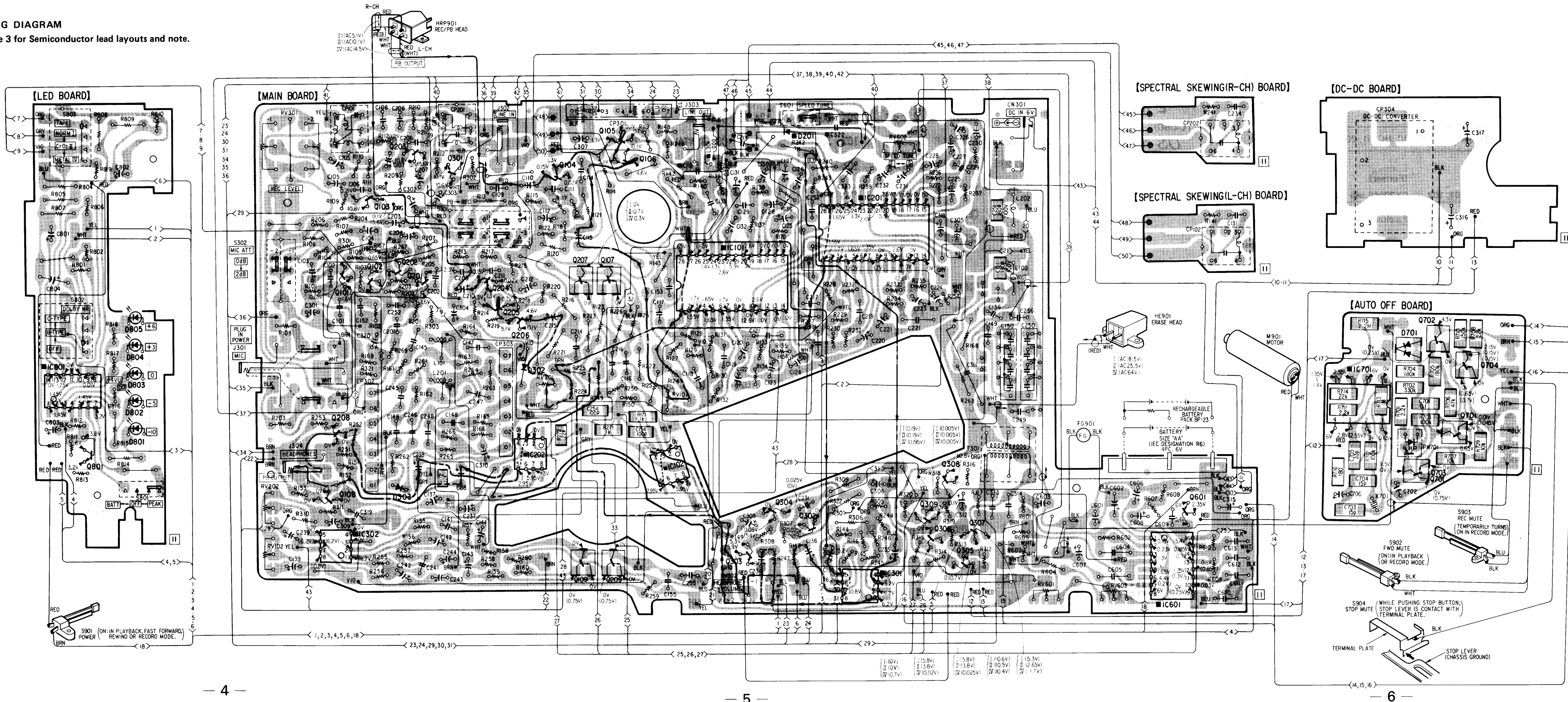
Part number of service manual

9-951-343-11 ➔ 9-951-385-11

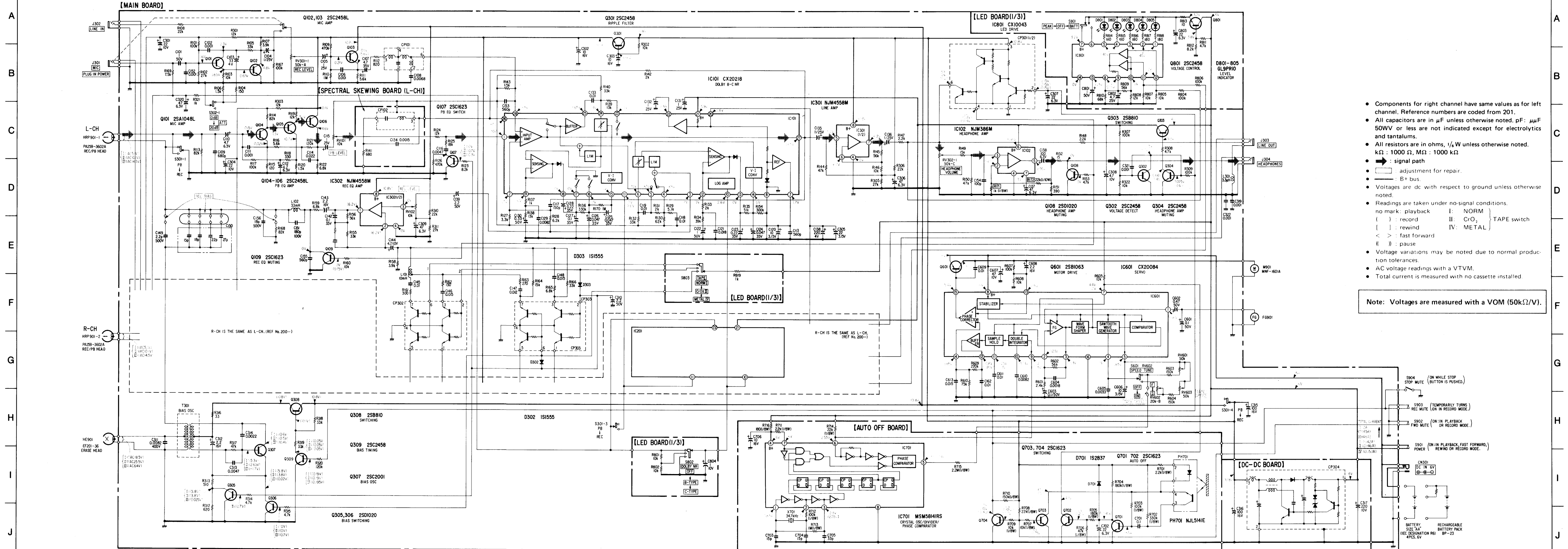
Q	IC	108	208	103	102	203	301	204	205	206	IC202	104	207	107	105	303	304	302	IC301	IC201	309	306	308	305	307	601	IC601	IC701	702	703	704	701	Q	IC
D	IC801	801	IC302	805	804	803	802	801	303	302	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	201	D

MOUNTING DIAGRAM

- See page 3 for Semiconductor lead layouts and note.



SCHEMATIC DIAGRAM



- Components for right channel have same values as for left channel. Reference numbers are coded from 201.
- All capacitors are in μF unless otherwise noted. pF : $\mu\text{M}\text{F}$ 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, $\frac{1}{6}\text{W}$ unless otherwise noted.
 $\text{k}\Omega$: 1000 Ω , $\text{M}\Omega$: 1000 $\text{k}\Omega$
-  : signal path
-  : adjustment for repair.
-  : B+ bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal conditions.

no mark: playback		I: NORM	} TAPE switch
{	}: record	II: CrO_2	
[	]: rewind	IV: METAL	
<	>: fast forward		
(()): pause			
- Voltage variations may be noted due to normal production tolerances.
- AC voltage readings with a VTVM.
- Total current is measured with no cassette installed.

Note: Voltages are measured with a VOM (50k Ω /V).