

WM-D6C/TC-D6C

SERVICE MANUAL

SUPPLEMENT

File this Supplement with the Service Manual.

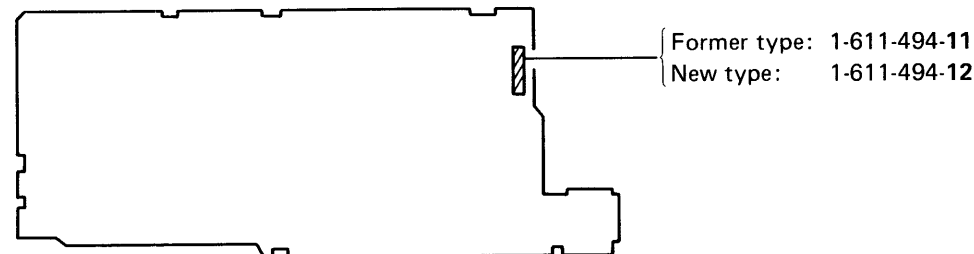
Subject: DOLBY IC (IC101, 201) CHANGE

(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 suppliment.

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

WM-D6C/TC-D6C

• 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

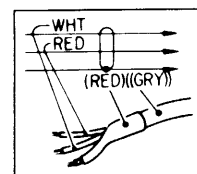
(345) LEVER, SPRING HOOK 3-557-405-00 ➔ 3-305-988-01

• 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.

- K + package
- signal path
- L CH signal path
- R CH signal path

CORRECTION

Service Manual P36

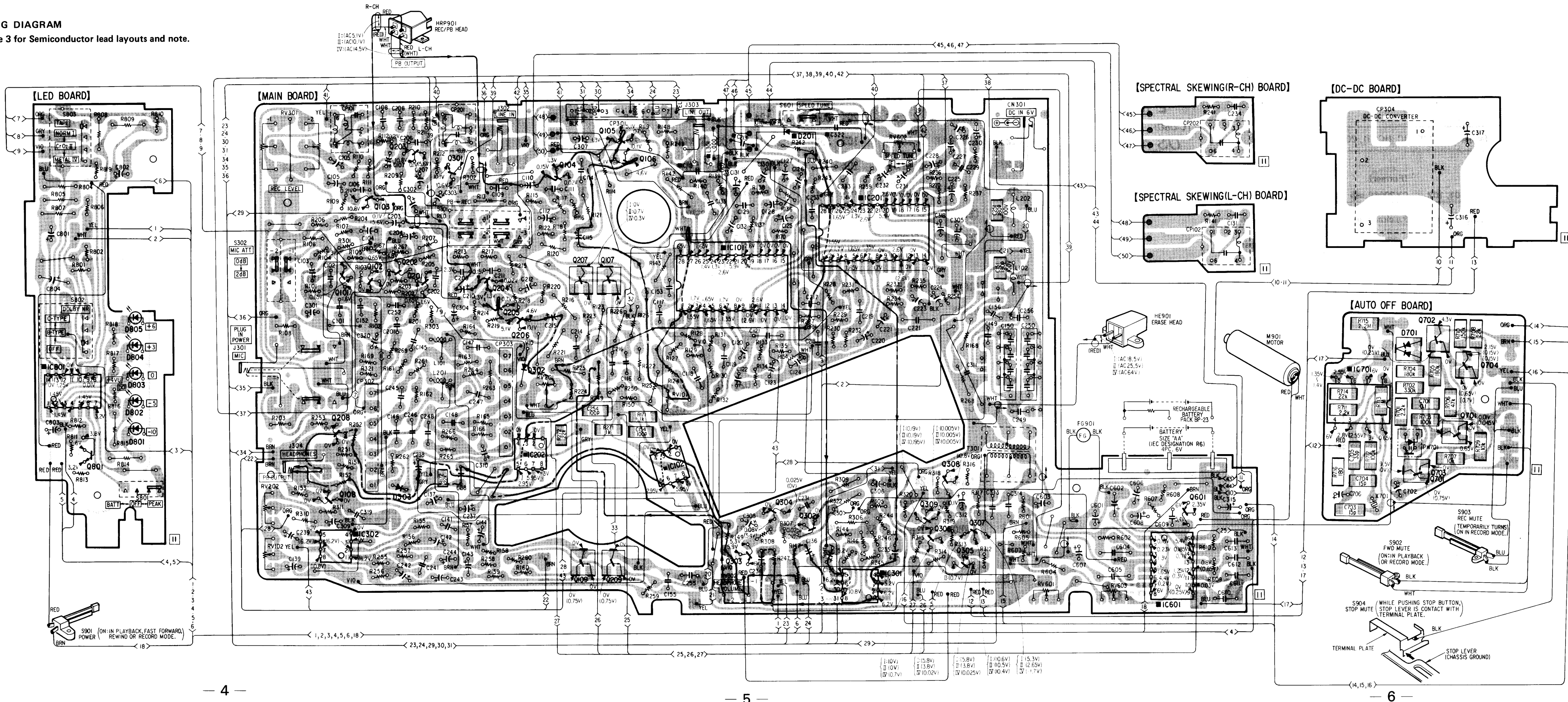
Part number of service manual

9-951-343-11 ➔ 9-951-385-11

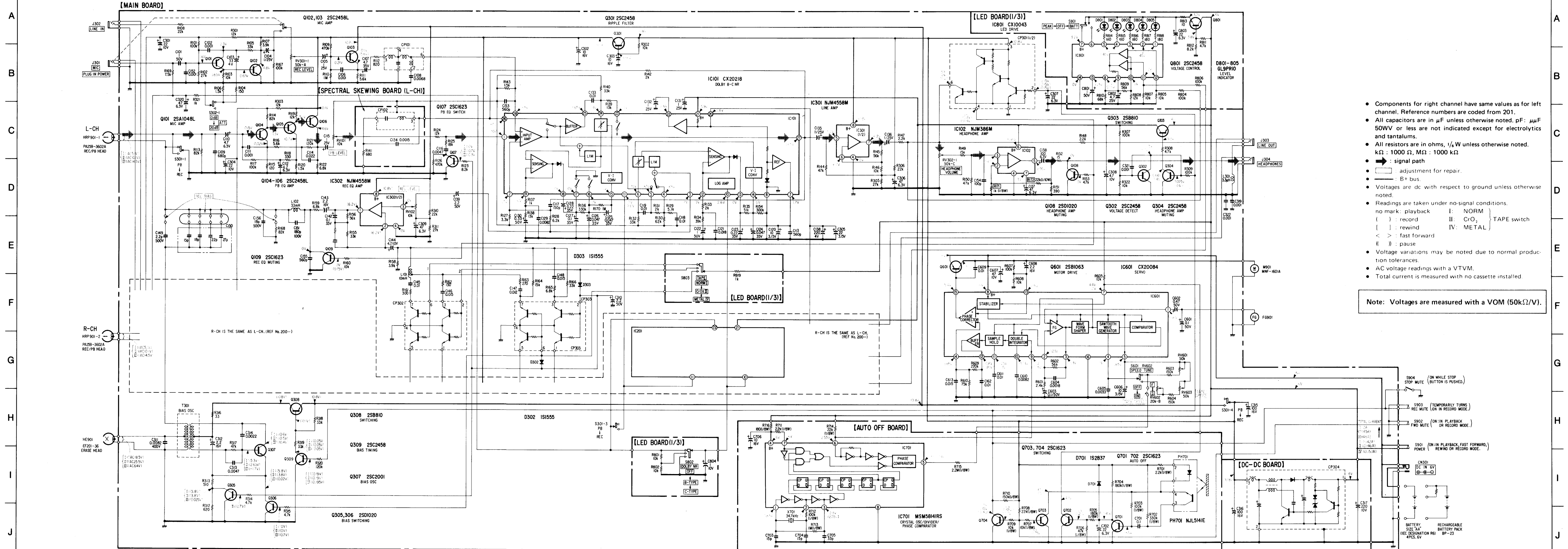
Q	IC	108	208	103	102	203	301	204	205	206	IC202	104	207	107	105	303	304	302	IC301	IC201	309	306	308	305	307	601	IC701	702	704	703	701	Q	IC
D	IC801	801	IC302		202	201						IC102	109	209	106	IC101											IC601						D




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. k Ω : 1000 Ω , M Ω : 1000 k Ω
-  : 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).