

# WM-D6C/TC-D6C

SONY®

## SERVICE MANUAL

Ver 1.1 2001.06

US Model  
WM-D6C/TC-D6C

Canadian Model  
AEP Model  
UK Model  
E Model  
WM-D6C

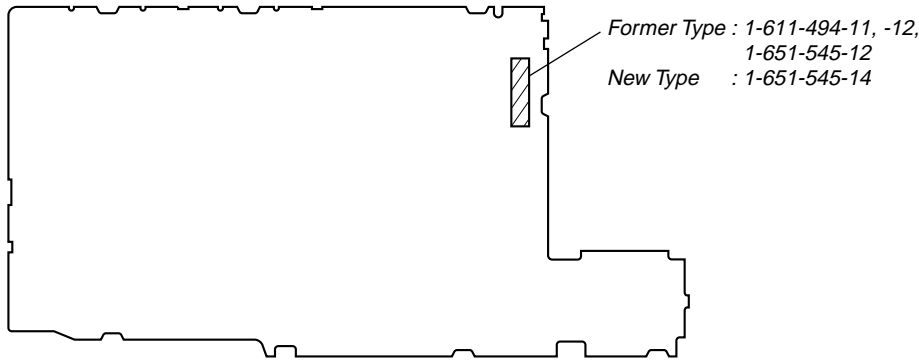
## SUPPLEMENT-4

Subject: Change of servo circuit

(ECN-WMA00831)

### • NEW/FORMER TYPE DISCRIMINATION

– MAIN BOARD (Conductor Side) –



## 1. DIAGRAMS

### 1-1. NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

#### Note on Printed Wiring Boards:

- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : Through hole.
- : Pattern from the side which enables seeing.  
(The other layers' patterns are not indicated.)

#### Caution:

Pattern face side: Parts on the pattern face side seen from the pattern face are indicated.  
(Conductor Side)  
Parts face side: Parts on the parts face side seen from the parts face are indicated.  
(Component Side)

#### Note on Schematic Diagram:

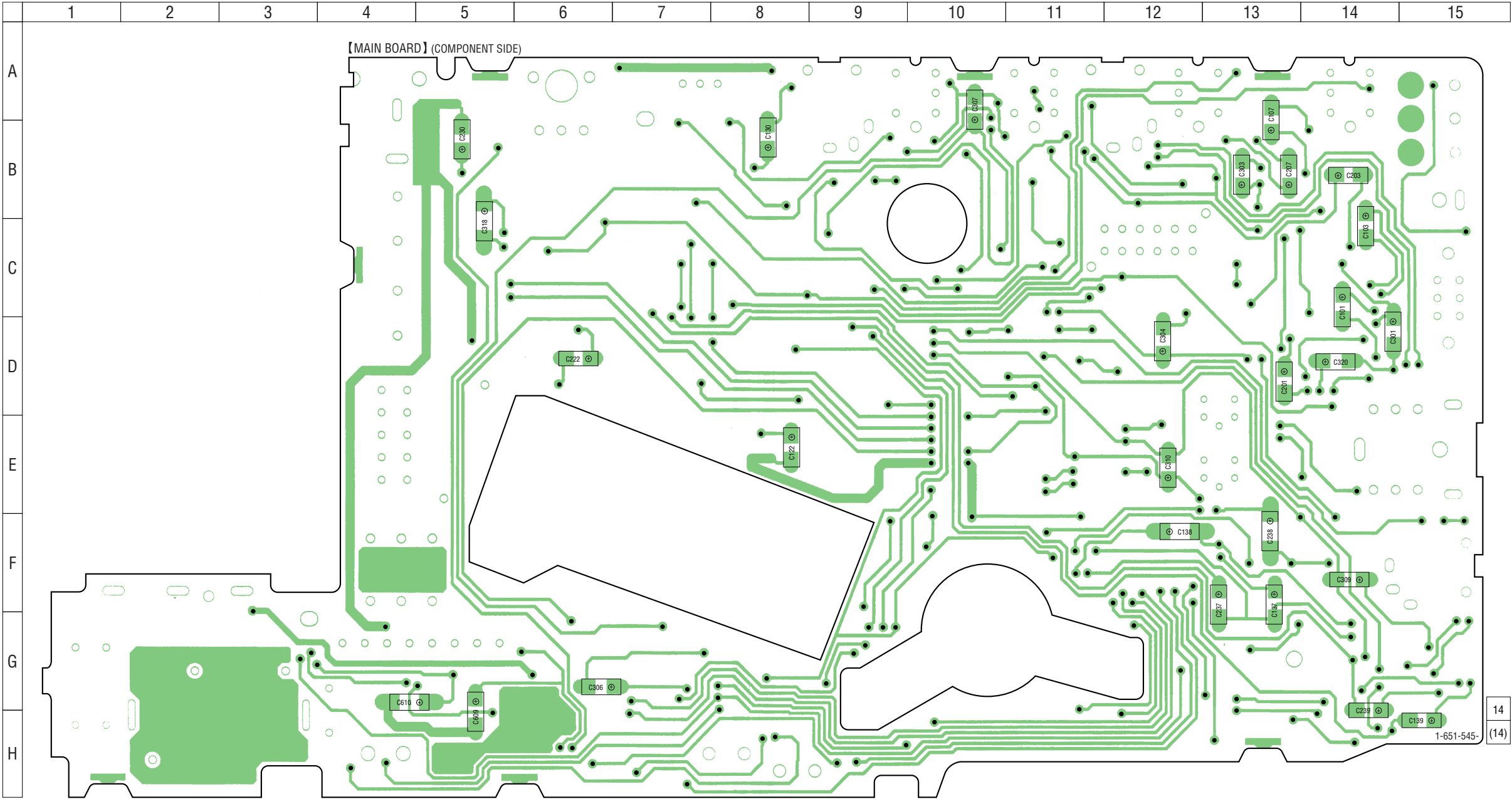
- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$ :  $\mu\mu\text{F}$  50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $\frac{1}{4}\text{W}$  or less unless otherwise specified.
- % : indicates tolerance.
- Components for right channel have same values as for left channel. Reference numbers are coded from 200.
- : panel designation.
- : B+ Line.
- : adjustment for repair.
- AC voltage readings in the bias oscillator with a level meter.
- Total current is measured with no cassette installed.
- Power voltage is dc 6 V and fed with regulated dc power supply from external power voltage jack.
- Voltages are dc with respect to ground under no-signal conditions.
- no mark : playback
- ( ) : record
- < > : fast forward
- [ ] : rewind
- << >> : pause
- I : NORM
- II : CrO2
- IV : METAL
- Voltages are taken with a VOM (Input impedance 10 M $\Omega$ ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
- ➡ : playback



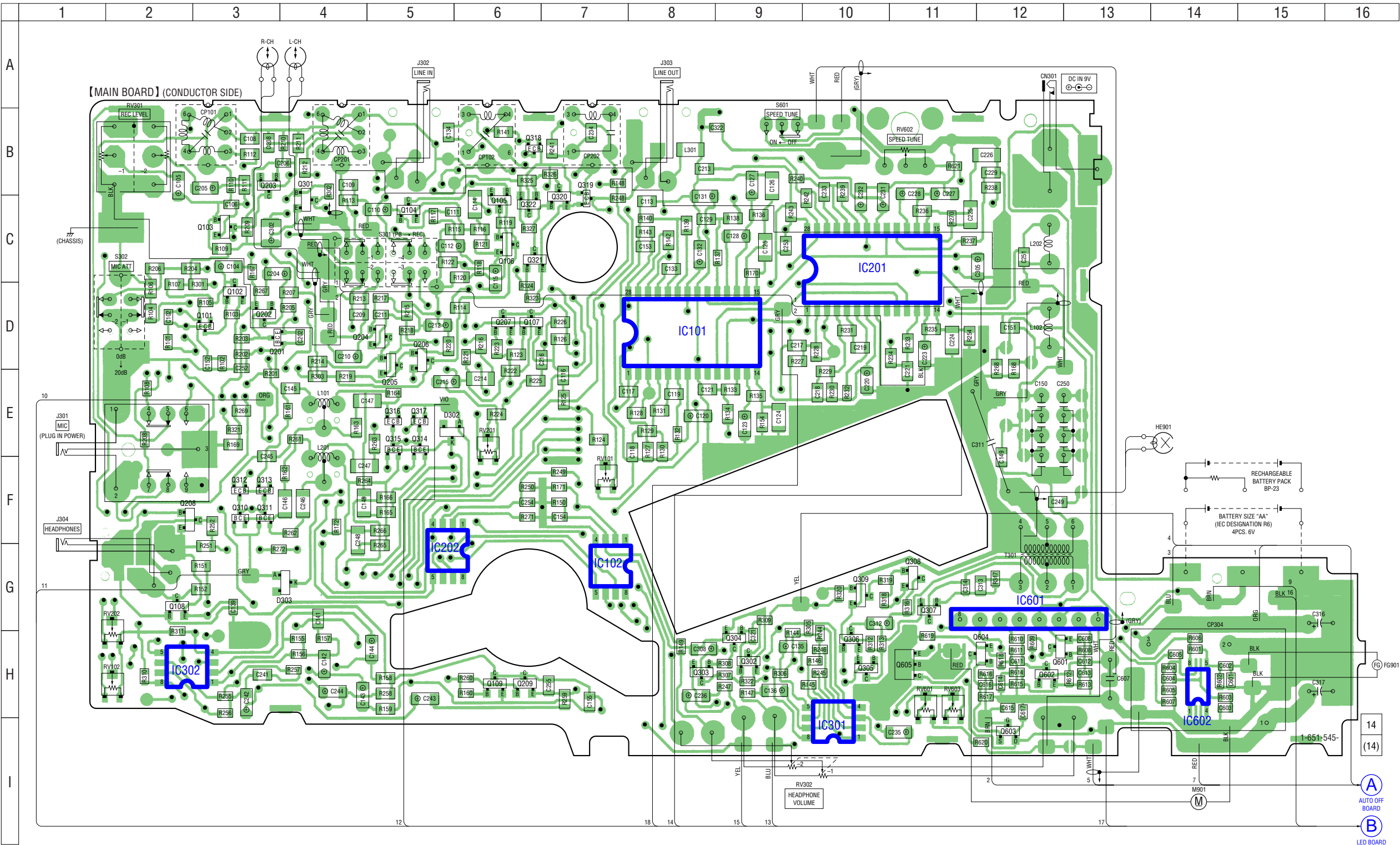
A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L



1-4. PRINTED WIRING BOARD – MAIN Board (Component Side) –



1-5. PRINTED WIRING BOARD – MAIN Board (Conductor Side) –



• Semiconductor Location

Ref. No.	Location
D302	E-5
D303	G-4
IC101	D-8
IC102	G-7
IC201	C-10
IC202	G-5
IC301	I-10
IC302	H-2
IC601	G-12
IC602	H-14
Q101	D-3
Q102	D-3
Q103	C-3
Q104	C-5
Q105	C-6
Q106	C-6
Q107	D-6
Q108	G-2
Q109	H-6
Q201	D-3
Q202	D-3
Q203	B-3
Q204	D-5
Q205	D-5
Q206	D-5
Q207	D-5
Q208	F-2
Q209	H-6
Q301	C-4
Q302	H-9
Q303	H-8
Q304	H-9
Q305	H-10
Q306	H-10
Q307	G-11
Q308	G-11
Q309	G-10
Q310	F-3
Q311	F-3
Q312	F-3
Q313	F-3
Q314	E-5
Q315	E-5
Q316	E-5
Q317	E-5
Q318	B-6
Q319	C-7
Q320	C-7
Q321	C-6
Q322	C-6
Q601	H-12
Q602	H-12
Q603	I-12
Q604	H-12
Q605	H-11





## 2. ELECTRICAL PARTS LIST

AUTO OFF

LED

## NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS  
All resistors are in ohms.  
METAL: Metal-film resistor.  
METAL OXIDE: Metal oxide-film resistor.  
F: nonflammable

- Items marked “\*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS  
In each case, u:  $\mu$ , for example:  
uA. . :  $\mu$ A. .      uPA. . :  $\mu$ PA. .  
uPB. . :  $\mu$ PB. .    uPC. . :  $\mu$ PC. .  
uPD. . :  $\mu$ PD. .
- CAPACITORS  
uF:  $\mu$ F
- COILS  
uH:  $\mu$ H

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	A-3060-814-A	AUTO OFF BOARD, COMPLETE *****				< VIBRATOR >	
*	3-308-430-01	RETAINER, REFLECTOR, PHOTO		X701	1-527-957-00	OSCILLATOR, CRYSTAL (34.7kHz) *****	
		< CAPACITOR >			A-3060-816-A	LED BOARD, COMPLETE *****	
C618	1-165-176-11	CERAMIC CHIP 0.047uF 10% 16V		*	3-305-888-00	RETAINER	
C701	1-163-038-00	CERAMIC CHIP 0.1uF 25V			3-305-897-00	HOLDER, LED	
C702	1-104-852-11	TANTALUM CHIP 22uF 20% 10V			3-557-575-00	SPRING, COMPRESSION	
C703	1-163-097-00	CERAMIC CHIP 15PF 5% 50V			3-831-441-99	SPACER (US)	
C704	1-163-097-00	CERAMIC CHIP 15PF 5% 50V			4-017-441-01	CUSHION (B)	
C705	1-163-105-00	CERAMIC CHIP 33PF 5% 50V			7-627-451-38	SCREW, PRECISION +K 1.4X2	
C706	1-104-913-11	TANTALUM CHIP 10uF 20% 16V				< CAPACITOR >	
		< DIODE >		C801	1-126-193-11	ELECT 1uF 20% 50V	
D701	8-719-801-78	DIODE 1S2837-T1		C802	1-126-603-11	ELECT CHIP 4.7uF 20% 35V	
		< IC >		C803	1-124-778-00	ELECT CHIP 22uF 20% 6.3V	
IC701	8-759-958-14	IC MSM58141RS		C804	1-135-177-21	TANTALUM CHIP 1uF 20% 20V	
		< PHOTO REFLECTOR >				< LED >	
PH701	8-749-920-99	PHOTO REFLECTOR GP2S22AB		D801	8-719-915-54	LED GL-9PR10 (LEVEL INDICATOR)	
		< TRANSISTOR >		D802	8-719-915-54	LED GL-9PR10 (LEVEL INDICATOR)	
Q701	8-729-120-28	TRANSISTOR 2SC1623-T1L6		D803	8-719-915-54	LED GL-9PR10 (LEVEL INDICATOR)	
Q702	8-729-120-28	TRANSISTOR 2SC1623-T1L6		D804	8-719-915-54	LED GL-9PR10 (LEVEL INDICATOR)	
Q703	8-729-420-50	TRANSISTOR UN5215- (TX)		D805	8-719-915-54	LED GL-9PR10 (LEVEL INDICATOR)	
Q704	8-729-420-50	TRANSISTOR UN5215- (TX)				< IC >	
		< RESISTOR >		IC801	8-752-060-72	IC CX10043-T4	
R701	1-216-825-11	METAL CHIP 2.2K 5% 1/16W				< TRANSISTOR >	
R702	1-216-109-00	METAL CHIP 330K 5% 1/10W		Q801	8-729-120-28	TRANSISTOR 2SC1623-T1L6	
R703	1-216-845-11	METAL CHIP 100K 5% 1/16W				< RESISTOR >	
R704	1-216-103-00	METAL CHIP 180K 5% 1/10W		R801	1-216-833-11	METAL CHIP 10K 5% 1/16W	
R705	1-216-103-00	METAL CHIP 180K 5% 1/10W		R802	1-216-833-11	METAL CHIP 10K 5% 1/16W	
R706	1-216-841-11	METAL CHIP 47K 5% 1/16W		R804	1-216-845-11	METAL CHIP 100K 5% 1/16W	
R708	1-216-837-11	METAL CHIP 22K 5% 1/16W		R805	1-216-833-11	METAL CHIP 10K 5% 1/16W	
R710	1-216-847-11	METAL CHIP 150K 5% 1/16W		R806	1-216-845-11	METAL CHIP 100K 5% 1/16W	
R711	1-216-825-11	METAL CHIP 2.2K 5% 1/16W					
R712	1-216-845-11	METAL CHIP 100K 5% 1/16W		R807	1-216-833-11	METAL CHIP 10K 5% 1/16W	
R713	1-216-857-11	METAL CHIP 1M 5% 1/16W		R808	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R715	1-216-129-00	METAL CHIP 2.2M 5% 1/10W		R809	1-216-842-11	METAL CHIP 56K 5% 1/16W	
R716	1-216-812-11	METAL CHIP 180 5% 1/16W		R810	1-216-093-11	RES-CHIP 68K 5% 1/10W	

# WM-D6C/TC-D6C

LED

MAIN

Ref. No.	Part No.	Description			Remark
R811	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R812	1-216-071-00	METAL CHIP	8.2K	5%	1/10W
R813	1-216-001-00	METAL CHIP	10	5%	1/10W
R814	1-216-812-11	METAL CHIP	180	5%	1/16W
R815	1-216-812-11	METAL CHIP	180	5%	1/16W
R816	1-216-812-11	METAL CHIP	180	5%	1/16W
R817	1-216-812-11	METAL CHIP	180	5%	1/16W
R818	1-216-812-11	METAL CHIP	180	5%	1/16W
R819	1-216-821-11	METAL CHIP	1K	5%	1/16W
< SWITCH >					
S801	1-554-746-11	SWITCH, SLIDE (PEAK/BATT)			
S802	1-552-642-00	SWITCH (DOLBY NR)			
S803	1-552-642-00	SWITCH (TAPE)			
*****					
*	A-3021-241-A	MAIN BOARD, COMPLETE (French)			
	A-3060-812-A	MAIN BOARD, COMPLETE (EXCEPT French)			
	*****				
	2-389-320-01	RUBER, (B)			
	3-305-801-00	SPRING			
	3-305-868-00	KNOB, SPEED CONTROL			
	3-305-873-00	TERMINAL BOARD, BATTERY			
	3-831-441-99	SPACER			
< CAPACITOR >					
C101	1-128-594-11	ELECT CHIP	1uF	20%	50V
C102	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C103	1-126-207-11	ELECT CHIP	33uF	20%	4V
C104	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C105	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C106	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C107	1-126-603-11	ELECT CHIP	4.7uF	20%	35V
C108	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C109	1-163-008-11	CERAMIC CHIP	820PF	10%	50V
C110	1-135-210-11	TANTALUM CHIP	4.7uF	20%	10V
C111	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C112	1-135-210-11	TANTALUM CHIP	4.7uF	20%	10V
C113	1-163-006-11	CERAMIC CHIP	560PF	10%	50V
C114	1-104-555-11	FILM CHIP	0.022uF	5%	16V
C115	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C116	1-104-547-11	FILM CHIP	0.0047uF	5%	16V
C117	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C118	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C119	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C120	1-135-201-11	TANTALUM CHIP	10uF	20%	4V
C121	1-163-024-00	CERAMIC CHIP	0.018uF	10%	50V
C122	1-126-193-11	ELECT	1uF	20%	50V
C123	1-135-072-21	TANTALUM CHIP	0.22uF	10%	35V
C124	1-104-559-11	FILM CHIP	0.047uF	5%	16V
C125	1-104-559-11	FILM CHIP	0.047uF	5%	16V
C126	1-104-559-11	FILM CHIP	0.047uF	5%	16V
C127	1-135-070-00	TANTALUM CHIP	0.1uF	10%	35V
C128	1-135-072-21	TANTALUM CHIP	0.22uF	10%	35V
C129	1-163-020-00	CERAMIC CHIP	0.0082uF	10%	50V
C130	1-126-190-11	ELECT CHIP	0.33uF	20%	50V
C131	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C132	1-135-177-21	TANTALUM CHIP	1uF	20%	20V

Ref. No.	Part No.	Description	Remark		
C133	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C134	1-163-011-11	CERAMIC CHIP	0.0015uF	10%	50V
C135	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C136	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C137	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C138	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C139	1-126-601-11	ELECT CHIP	2.2uF	20%	50V
C141	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C142	1-135-070-00	TANTALUM CHIP	0.1uF	10%	35V
C143	1-104-915-11	TANTALUM CHIP	2.2uF	20%	16V
C144	1-135-210-11	TANTALUM CHIP	4.7uF	20%	10V
C145	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C146	1-104-553-11	FILM CHIP	0.015uF	5%	16V
C147	1-104-552-11	FILM CHIP	0.012uF	5%	16V
C148	1-104-553-11	FILM CHIP	0.015uF	5%	16V
C149	1-109-809-11	CAP-CHIP	2.2PF	0.25PF	100V
C150	1-110-500-11	ENCAPSULATED COMPONENT			
C151	1-163-988-11	CERAMIC CHIP	180PF	5%	100V
C152	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C153	1-163-011-11	CERAMIC CHIP	0.0015uF	10%	50V
C154	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C155	1-163-006-11	CERAMIC CHIP	560PF	10%	50V
C201	1-128-594-11	ELECT CHIP	1uF	20%	50V
C202	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C203	1-126-207-11	ELECT CHIP	33uF	20%	4V
C204	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C205	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C206	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C207	1-126-603-11	ELECT CHIP	4.7uF	20%	35V
C208	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C209	1-163-008-11	CERAMIC CHIP	820PF	10%	50V
C210	1-135-210-11	TANTALUM CHIP	4.7uF	20%	10V
C211	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C212	1-135-210-11	TANTALUM CHIP	4.7uF	20%	10V
C213	1-163-006-11	CERAMIC CHIP	560PF	10%	50V
C214	1-104-555-11	FILM CHIP	0.022uF	5%	16V
C215	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C216	1-104-547-11	FILM CHIP	0.0047uF	5%	16V
C217	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C218	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C219	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C220	1-135-201-11	TANTALUM CHIP	10uF	20%	4V
C221	1-163-024-00	CERAMIC CHIP	0.018uF	10%	50V
C222	1-126-193-11	ELECT	1uF	20%	50V
C223	1-135-072-21	TANTALUM CHIP	0.22uF	10%	35V
C224	1-104-559-11	FILM CHIP	0.047uF	5%	16V
C225	1-104-559-11	FILM CHIP	0.047uF	5%	16V
C226	1-104-559-11	FILM CHIP	0.047uF	5%	16V
C227	1-135-070-00	TANTALUM CHIP	0.1uF	10%	35V
C228	1-135-072-21	TANTALUM CHIP	0.22uF	10%	35V
C229	1-163-020-00	CERAMIC CHIP	0.0082uF	10%	50V
C230	1-126-190-11	ELECT CHIP	0.33uF	20%	50V
C231	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C232	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C233	1-104-551-11	FILM CHIP	0.01uF	5%	16V
C234	1-163-011-11	CERAMIC CHIP	0.0015uF	10%	50V
C235	1-135-177-21	TANTALUM CHIP	1uF	20%	20V
C236	1-135-177-21	TANTALUM CHIP	1uF	20%	20V



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C237	1-126-205-11	ELECT CHIP	47uF 20% 6.3V			< CONNECTOR >	
C238	1-126-206-11	ELECT CHIP	100uF 20% 6.3V	CN301	1-507-749-00	JACK, EXTENTION POWER (DC IN 6V)	
C239	1-126-601-11	ELECT CHIP	2.2uF 20% 50V			< COMPOSITION CIRCUIT BLOCK >	
C241	1-163-007-11	CERAMIC CHIP	680PF 10% 50V	CP101	1-235-317-11	FILTER, LOW PASS	
C242	1-135-070-00	TANTALUM CHIP	0.1uF 10% 35V	CP102	1-235-318-11	FILTER, SP-SK	
C243	1-104-915-11	TANTALUM CHIP	2.2uF 20% 16V	CP201	1-235-317-11	FILTER, LOW PASS	
C244	1-135-210-11	TANTALUM CHIP	4.7uF 20% 10V	CP202	1-235-318-11	FILTER, SP-SK	
C245	1-104-551-11	FILM CHIP	0.01uF 5% 16V	CP304	1-464-183-21	CONVERTER UNIT, DC-DC	
C246	1-104-553-11	FILM CHIP	0.015uF 5% 16V			< DIODE >	
C247	1-104-552-11	FILM CHIP	0.012uF 5% 16V	D302	8-719-801-78	DIODE 1S2837-T1	
C248	1-104-553-11	FILM CHIP	0.015uF 5% 16V	D303	8-719-801-78	DIODE 1S2837-T1	
C249	1-109-809-11	CAP-CHIP	2.2PF 0.25PF 100V			< IC >	
C250	1-110-500-11	ENCAPSULATED COMPONENT		IC101	8-752-021-80	IC CX20218-T6	
C251	1-163-988-11	CERAMIC CHIP	180PF 5% 100V	IC102	8-759-700-50	IC NJM386M-T1	
C252	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	IC201	8-752-021-80	IC CX20218-T6	
C253	1-163-011-11	CERAMIC CHIP	0.0015uF 10% 50V	IC202	8-759-700-50	IC NJM386M-T1	
C254	1-162-953-11	CERAMIC CHIP	100PF 5% 50V	IC301	8-759-100-96	IC NJM4558M-TE2	
C255	1-163-006-11	CERAMIC CHIP	560PF 10% 50V	IC302	8-759-100-96	IC NJM4558M-TE2	
C301	1-126-395-11	ELECT	22uF 20% 16V	IC601	8-759-600-69	IC CX-069A	
C302	1-104-913-11	TANTALUM CHIP	10uF 20% 16V	IC602	8-759-337-40	IC NJM2904V (TE2)	
C303	1-124-779-00	ELECT CHIP	10uF 20% 16V			< JACK >	
C304	1-126-395-11	ELECT	22uF 20% 16V	J301	1-507-794-31	JACK, SMALL TYPE (WITH SWITCH) (MIC, PLUG IN POWER)	
C305	1-104-847-11	TANTALUM CHIP	22uF 20% 4V	J302	1-507-929-41	JACK (LINE IN)	
C306	1-126-205-11	ELECT CHIP	47uF 20% 6.3V	J303	1-507-929-41	JACK (LINE OUT)	
C307	1-124-778-00	ELECT CHIP	22uF 20% 6.3V	J304	1-507-929-11	JACK (HEADPHONES)	
C308	1-107-686-11	TANTALUM CHIP	4.7uF 20% 16V			< COIL >	
C309	1-126-205-11	ELECT CHIP	47uF 20% 6.3V	L101	1-408-682-00	INDUCTOR 10mH	
C310	1-126-601-11	ELECT CHIP	2.2uF 20% 50V	L102	1-408-930-00	INDUCTOR 33mH	
C311	1-130-896-11	FILM	0.0082uF 5% 400V	L201	1-408-682-00	INDUCTOR 10mH	
C312	1-104-915-11	TANTALUM CHIP	2.2uF 20% 16V	L202	1-408-930-00	INDUCTOR 33mH	
C313	1-104-547-11	FILM CHIP	0.0047uF 5% 16V	L301	1-410-198-51	INDUCTOR 3.3uH	
C314	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V			< TRANSISTOR >	
C316	1-104-666-11	ELECT	220uF 20% 25V	Q101	8-729-021-87	TRANSISTOR 2SA1587-GRBL-TE85L	
C317	1-104-666-11	ELECT	220uF 20% 25V	Q102	8-729-120-28	TRANSISTOR 2SC1623-T1L6	
C318	1-126-246-11	ELECT CHIP	220uF 20% 4V	Q103	8-729-120-28	TRANSISTOR 2SC1623-T1L6	
C319	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	Q104	8-729-016-81	TRANSISTOR 2SC2412KLN-T146-S	
C320	1-126-205-11	ELECT CHIP	47uF 20% 6.3V	Q105	8-729-120-28	TRANSISTOR 2SC1623-T1L6	
C321	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	Q106	8-729-120-28	TRANSISTOR 2SC1623-T1L6	
C322	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V	Q107	8-729-120-28	TRANSISTOR 2SC1623-T1L6	
C601	1-165-176-11	CERAMIC CHIP	0.047uF 10% 16V	Q108	8-729-920-31	TRANSISTOR DTC343TK-T-146	
C602	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	Q109	8-729-120-28	TRANSISTOR 2SC1623-T1L6	
C603	1-127-715-11	CERAMIC CHIP	0.22uF 10% 16V	Q201	8-729-021-87	TRANSISTOR 2SA1587-GRBL-TE85L	
C604	1-164-362-11	CERAMIC CHIP	470PF 5% 50V	Q202	8-729-120-28	TRANSISTOR 2SC1623-T1L6	
C605	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V	Q203	8-729-120-28	TRANSISTOR 2SC1623-T1L6	
C607	1-130-481-00	MYLAR	0.0068uF 5% 50V	Q204	8-729-016-81	TRANSISTOR 2SC2412KLN-T146-S	
C608	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V	Q205	8-729-120-28	TRANSISTOR 2SC1623-T1L6	
C609	1-126-393-11	ELECT CHIP	33uF 20% 10V	Q206	8-729-120-28	TRANSISTOR 2SC1623-T1L6	
C610	1-126-204-11	ELECT CHIP	47uF 20% 16V	Q207	8-729-120-28	TRANSISTOR 2SC1623-T1L6	
C611	1-162-968-11	CERAMIC CHIP	0.0047uF 10% 50V	Q208	8-729-920-31	TRANSISTOR DTC343TK-T-146	
C612	1-162-953-11	CERAMIC CHIP	100PF 5% 50V	Q209	8-729-120-28	TRANSISTOR 2SC1623-T1L6	
C613	1-162-967-11	CERAMIC CHIP	0.0033uF 10% 50V	Q301	8-729-120-28	TRANSISTOR 2SC1623-T1L6	
C614	1-127-715-11	CERAMIC CHIP	0.22uF 10% 16V				
C615	1-162-966-11	CERAMIC CHIP	0.0022uF 10% 50V				
C616	1-162-970-11	CERAMIC CHIP	0.01uF 10% 25V				
C617	1-162-964-11	CERAMIC CHIP	0.001uF 10% 50V				

## MAIN

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
Q302	8-729-120-28	TRANSISTOR	2SC1623-T1L6			R131	1-216-056-00	RES-CHIP	2K	5%	1/10W
Q303	8-729-162-45	TRANSISTOR	2SB624-T1BV5			R132	1-216-839-11	METAL CHIP	33K	5%	1/16W
Q304	8-729-120-28	TRANSISTOR	2SC1623-T1L6			R133	1-216-056-00	RES-CHIP	2K	5%	1/10W
Q305	8-729-920-31	TRANSISTOR	DTC343TK-T-146			R134	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
Q306	8-729-920-31	TRANSISTOR	DTC343TK-T-146			R135	1-216-090-00	METAL CHIP	51K	5%	1/10W
Q307	8-729-141-75	TRANSISTOR	2SD596T1-DV345			R136	1-216-109-00	METAL CHIP	330K	5%	1/10W
Q308	8-729-162-45	TRANSISTOR	2SB624-T1BV5			R137	1-216-821-11	METAL CHIP	1K	5%	1/16W
Q309	8-729-120-28	TRANSISTOR	2SC1623-T1L6			R138	1-216-076-00	METAL CHIP	13K	5%	1/10W
Q310	8-729-420-50	TRANSISTOR	UN5215- (TX)			R139	1-216-076-00	METAL CHIP	13K	5%	1/10W
Q311	8-729-420-50	TRANSISTOR	UN5215- (TX)			R140	1-216-839-11	METAL CHIP	33K	5%	1/16W
Q312	8-729-420-50	TRANSISTOR	UN5215- (TX)			R141	1-216-045-00	METAL CHIP	680	5%	1/10W
Q313	8-729-420-50	TRANSISTOR	UN5215- (TX)			R142	1-216-056-00	RES-CHIP	2K	5%	1/10W
Q314	8-729-420-50	TRANSISTOR	UN5215- (TX)			R143	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
Q315	8-729-420-50	TRANSISTOR	UN5215- (TX)			R144	1-216-841-11	METAL CHIP	47K	5%	1/16W
Q316	8-729-420-50	TRANSISTOR	UN5215- (TX)			R145	1-216-842-11	METAL CHIP	56K	5%	1/16W
Q317	8-729-420-50	TRANSISTOR	UN5215- (TX)			R146	1-216-833-11	METAL CHIP	10K	5%	1/16W
Q318	8-729-420-50	TRANSISTOR	UN5215- (TX)			R147	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
Q319	8-729-420-50	TRANSISTOR	UN5215- (TX)			R148	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
Q320	8-729-120-28	TRANSISTOR	2SC1623-T1L6			R149	1-216-835-11	METAL CHIP	15K	5%	1/16W
Q321	8-729-120-28	TRANSISTOR	2SC1623-T1L6			R150	1-216-841-11	METAL CHIP	47K	5%	1/16W
Q322	8-729-216-22	TRANSISTOR	2SA812-T1M6			R151	1-216-039-00	METAL CHIP	390	5%	1/10W
Q601	8-729-120-28	TRANSISTOR	2SC1623-T1L6			R152	1-216-005-00	METAL CHIP	15	5%	1/10W
Q602	8-729-216-22	TRANSISTOR	2SA812-T1M6			(EXCEPT French)					
Q603	8-729-109-44	TRANSISTOR	2SK209Y-TE85L			R152	1-216-042-00	METAL CHIP	510	5%	1/10W
Q604	8-729-120-28	TRANSISTOR	2SC1623-T1L6			(French)					
Q605	8-729-101-07	TRANSISTOR	2SB798-T1DK			R154	1-218-763-11	RES-CHIP	300K	5%	1/10W
< RESISTOR >						R155	1-216-839-11	METAL CHIP	33K	5%	1/16W
R101	1-216-845-11	METAL CHIP	100K	5%	1/16W	R156	1-216-842-11	METAL CHIP	56K	5%	1/16W
R102	1-216-838-11	METAL CHIP	27K	5%	1/16W	R157	1-216-845-11	METAL CHIP	100K	5%	1/16W
R103	1-216-833-11	METAL CHIP	10K	5%	1/16W	R158	1-216-063-00	RES-CHIP	3.9K	5%	1/10W
R104	1-216-029-00	METAL CHIP	150	5%	1/10W	R159	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R105	1-216-839-11	METAL CHIP	33K	5%	1/16W	R160	1-216-833-11	METAL CHIP	10K	5%	1/16W
R106	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	R161	1-202-924-11	RES-CHIP	240	5%	1/16W
R107	1-216-063-00	RES-CHIP	3.9K	5%	1/10W	R162	1-216-812-11	METAL CHIP	180	5%	1/16W
R108	1-216-837-11	METAL CHIP	22K	5%	1/16W	R163	1-216-035-00	METAL CHIP	270	5%	1/10W
R109	1-216-113-00	METAL CHIP	470K	5%	1/10W	R164	1-216-837-11	METAL CHIP	22K	5%	1/16W
R110	1-216-857-11	METAL CHIP	1M	5%	1/16W	R165	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R111	1-216-067-00	METAL CHIP	5.6K	5%	1/10W	R166	1-216-072-00	METAL CHIP	9.1K	5%	1/10W
R112	1-216-047-00	RES-CHIP	820	5%	1/10W	R167	1-216-845-11	METAL CHIP	100K	5%	1/16W
R113	1-216-095-00	METAL CHIP	82K	5%	1/10W	R168	1-216-095-00	METAL CHIP	82K	5%	1/10W
R114	1-216-697-11	METAL CHIP	82K	0.5%	1/10W	R169	1-216-070-00	METAL CHIP	7.5K	5%	1/10W
R115	1-216-027-00	METAL CHIP	120	5%	1/10W	R170	1-216-857-11	METAL CHIP	1M	5%	1/16W
R116	1-216-068-00	METAL CHIP	6.2K	5%	1/10W	R171	1-216-821-11	METAL CHIP	1K	5%	1/16W
R117	1-216-845-11	METAL CHIP	100K	5%	1/16W	R172	1-216-837-11	METAL CHIP	22K	5%	1/16W
R118	1-216-815-11	METAL CHIP	330	5%	1/16W	R201	1-216-845-11	METAL CHIP	100K	5%	1/16W
R119	1-216-075-00	METAL CHIP	12K	5%	1/10W	R202	1-216-838-11	METAL CHIP	27K	5%	1/16W
R120	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	R203	1-216-833-11	METAL CHIP	10K	5%	1/16W
R121	1-216-846-11	METAL CHIP	120K	5%	1/16W	R204	1-216-029-00	METAL CHIP	150	5%	1/10W
R122	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	R205	1-216-839-11	METAL CHIP	33K	5%	1/16W
R123	1-216-071-00	METAL CHIP	8.2K	5%	1/10W	R206	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R124	1-216-075-00	METAL CHIP	12K	5%	1/10W	R207	1-216-063-00	RES-CHIP	3.9K	5%	1/10W
R125	1-216-079-00	METAL CHIP	18K	5%	1/10W	R208	1-216-837-11	METAL CHIP	22K	5%	1/16W
R126	1-216-113-00	METAL CHIP	470K	5%	1/10W	R209	1-216-113-00	METAL CHIP	470K	5%	1/10W
R127	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	R210	1-216-857-11	METAL CHIP	1M	5%	1/16W
R128	1-216-068-00	METAL CHIP	6.2K	5%	1/10W	R211	1-216-067-00	METAL CHIP	5.6K	5%	1/10W
R129	1-216-066-00	METAL CHIP	5.1K	5%	1/10W	R212	1-216-047-00	RES-CHIP	820	5%	1/10W
R130	1-216-092-00	RES-CHIP	62K	5%	1/10W	R213	1-216-095-00	METAL CHIP	82K	5%	1/10W

< VARIABLE RESISTOR >

WM-D6C/TC-D6C

MAIN

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
RV602	1-228-607-00	RES, VAR, CARBON 20K (SPEED TUNE)	
RV603	1-241-596-11	RES, ADJ, CERMET 47K	
< SWITCH >			
S301	1-554-029-11	SWITCH, SLIDE (PLAY/REC)	
S302	1-554-222-00	SWITCH, SLIDE (MIC ATT)	
S601	1-570-856-11	SWITCH, SLIDE (SPEED TUNE)	
< TRANSFORMER >			
T301	1-433-244-00	TRANSFORMER, BIAS OSCILLATOR	

MEMO

## REVISION HISTORY

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Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

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