TEAC®

SERVICE MANUAL

V-680/V-580

STEREO CASSETTE DECK

Effective : October 1989 930559

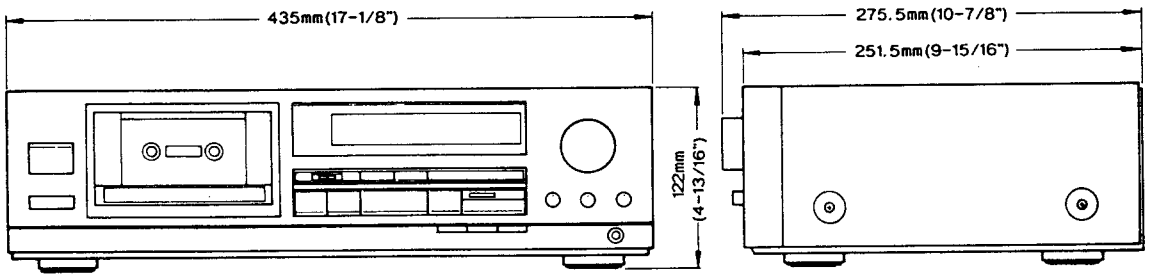
5704045700

1 SPECIFICATIONS

仕様

Track System 4-Track, 2-Channel Stereo
Heads – **V-680** 3:1 Erase, 1 Record and 1 Playback (combination)
– **V-580** 2:1 Erase, 1 Record/Playback
Type of Tape Cassette tape C-60 and C-90 (Philips type)
Tape Speed 4.76 cm/sec (1-7/8 ips)
Motors 2:1 DC servo capstan motor
1 DC reel motor
Wow and Flutter 0.045 % (WRMS)
Frequency Response (Overall, -20 dB)
– **V-680**
20 – 21,000 Hz (25 – 20,000 Hz ±3 dB), Metal
20 – 20,000 Hz (25 – 19,000 Hz ±3 dB), CrO_2
20 – 18,000 Hz (25 – 17,000 Hz ±3 dB), Normal
– **V-580**
25 – 20,000 Hz (30 – 19,000 Hz ±3 dB), Metal
25 – 18,000 Hz (30 – 17,000 Hz ±3 dB), CrO_2
25 – 17,000 Hz (30 – 16,000 Hz ±3 dB), Normal
Signal-to-Noise Ratio (Overall) 60 dB (3 % THD level, Weighted)
70 dB (Dolby B NR In, over 5 kHz)
80 dB (Dolby C NR In, over 1 kHz)
Fast Winding Time Approximately 85 seconds for C-60
Line Input 87 mV, 50k ohms
Outputs Line: 0.43 V for load impedance of 50k ohms or more
Headphones: 8 ohms
Power Requirements 120/220/240 V AC, 50/60 Hz (General Export model)
120 V AC, 60 Hz (U.S.A./Canada model)
220 V AC, 50 Hz (Europe model)
240 V AC, 50 Hz (U.K./Australia model)
Power Consumption 15 W (General Export/U.S.A./Canada model)
17 W (Europe/U.K./Australia model)
Dimensions (W x H x D)
435 x 122 x 275.5 mm
(17-1/8" x 4-13/16" x 10-15/16")
Weight 4.0 kg (8.82 lbs) net
Accessories Input-output cord

- Specifications were determined using metal tape except as noted.
- Improvements may result in specification or feature changing without notice.



NOTES:
Improvements may result in SPECIFICATIONS changes.
Value of "dB" in the data refers to 0 dB (0.775 V), except where Specified.

注
1．仕様は改善のため，予告なく変更することがあります。
2．本マニュアルの 0 dB は0.775 V を基準としています。

CAUTION

⚠Parts marked with this sign are safety critical components. They must always be replaced with identical components – refer to the appropriate parts list and ensure exact replacement.

注 意

⚠印は安全重要部品です．交換する時は必ずティアック指定の部品を使用してください．

- Dolby Noise Reduction System manufactured under license from Dolby Laboratories Licensing Corporation.
"Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

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- ドルビー及び DD は，ドルビー研究所の登録商標です．

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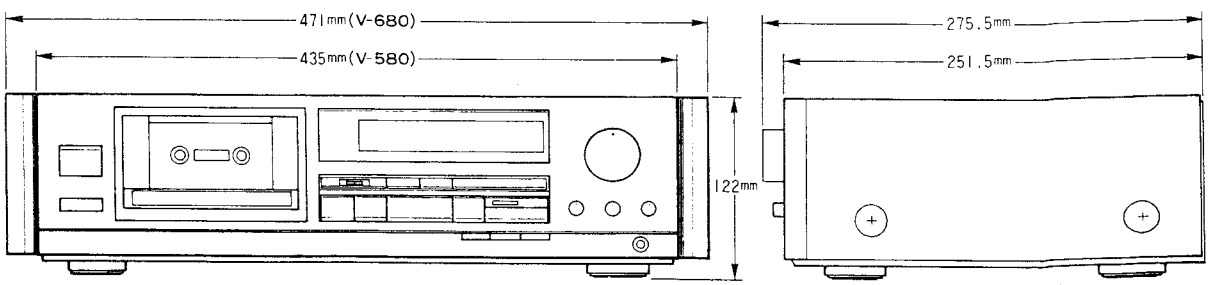
トラック形式	4トラック2チャンネル・ステレオホニック方式
ヘッド構成	<V-680> 消去ヘッド×1，録音×1・再生×1 コンビネーション・ヘッド <V-580> 消去ヘッド×1，録音／再生×1(2ヘッド)
使用テープ	C-60，C-90タイプ カセット・テープ
テープ速度	4.8センチ
モーター	キャプスタン：DC サーボモーター×1 リール：DC モーター×1
ワウ・フラッター	0.045%(W.RMS)，0.07%(W.Peak EIAJ)
周波数特性(総合)	<V-680> 20Hz～21,000Hz(25Hz～20,000Hz±3dB，EIAJ)：メタル 20Hz～20,000Hz(25Hz～19,000Hz±3dB，EIAJ)：クローム 20Hz～18,000Hz(25Hz～17,000Hz±3dB，EIAJ)：ノーマル <V-580> 25Hz～20,000Hz(30Hz～19,000Hz±3dB，EIAJ)：メタル 25Hz～18,000Hz(30Hz～17,000Hz±3dB，EIAJ)：クローム 25Hz～17,000Hz(30Hz～16,000Hz±3dB，EIAJ)：ノーマル
総合SN比	60dB(NR OUT，3% THDレベル，WTD) 70dB(ドルビーB NR IN 5kHz以上) 80dB(ドルビーC NR IN 1kHz以上)
早巻時間	C-60テープで約85秒
入力	ライン：87mV(入力インピーダンス50kΩ以上)
出力	ライン：0.43V(負荷インピーダンス50kΩ以上) ヘッドホン：2mW／8Ω
電源	100V AC，50／60Hz
消費電力	15W
外形寸法	<V-680>471(幅)×122(高さ)×275.5(奥行)mm <V-580>435(幅)×122(高さ)×275.5(奥行)mm
重量	<V-680>5.8kg <V-580>4.0kg
付属品	入出力コード×2本，リモコンユニット(RC-348)×1，乾電池(単3)×2

※この仕様は特に表示した項目を除き，当社基準テープを使用して測定したものです．
※仕様および外観は，改善のため予告なく変更することがあります．



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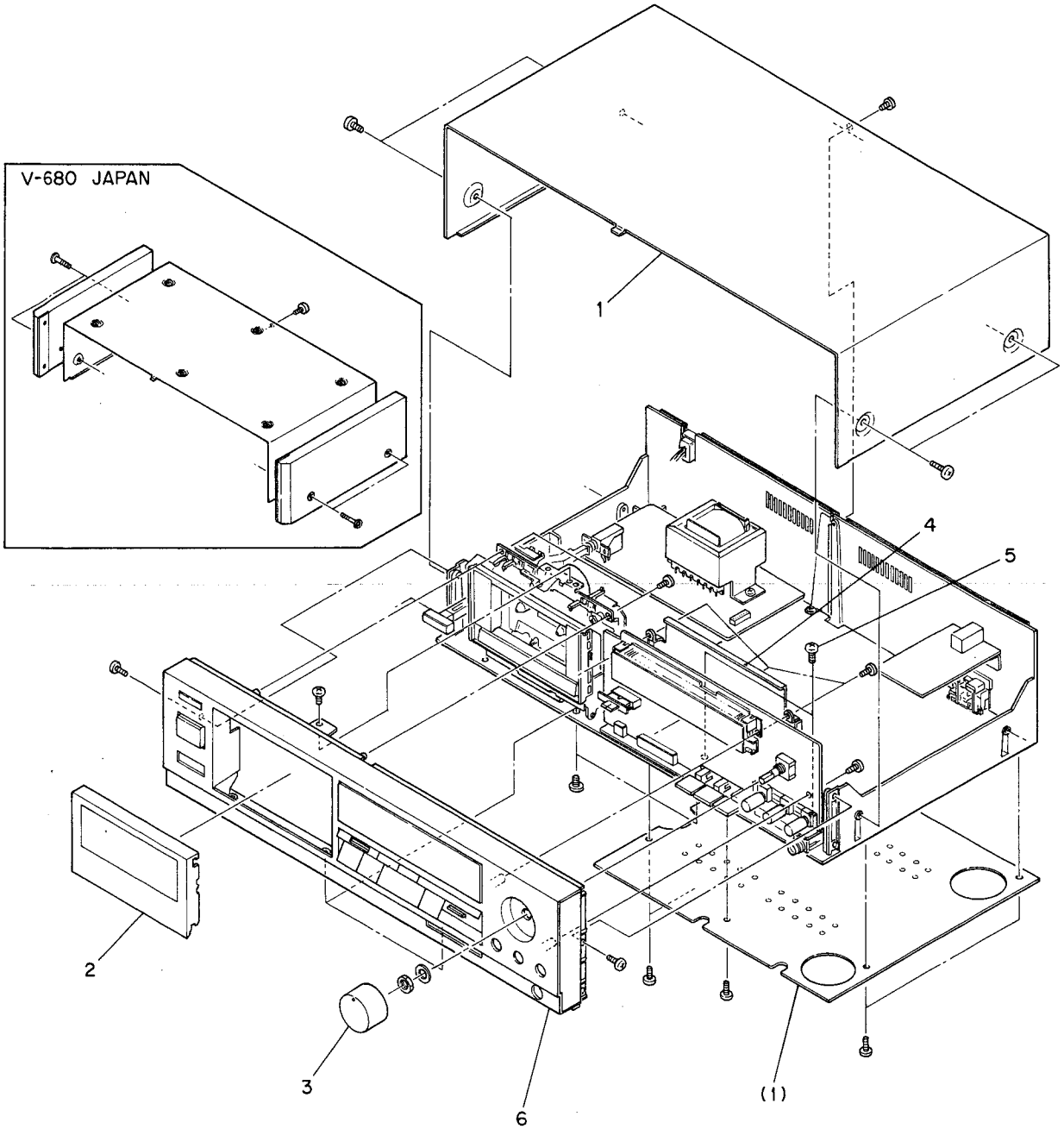
2 REMOVAL OF EXTERNAL COMPONENTS

外装部品の外し方

Disassemble in number-order
番号順に外して下さい



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3 PARTS LOCATION

部品配置図

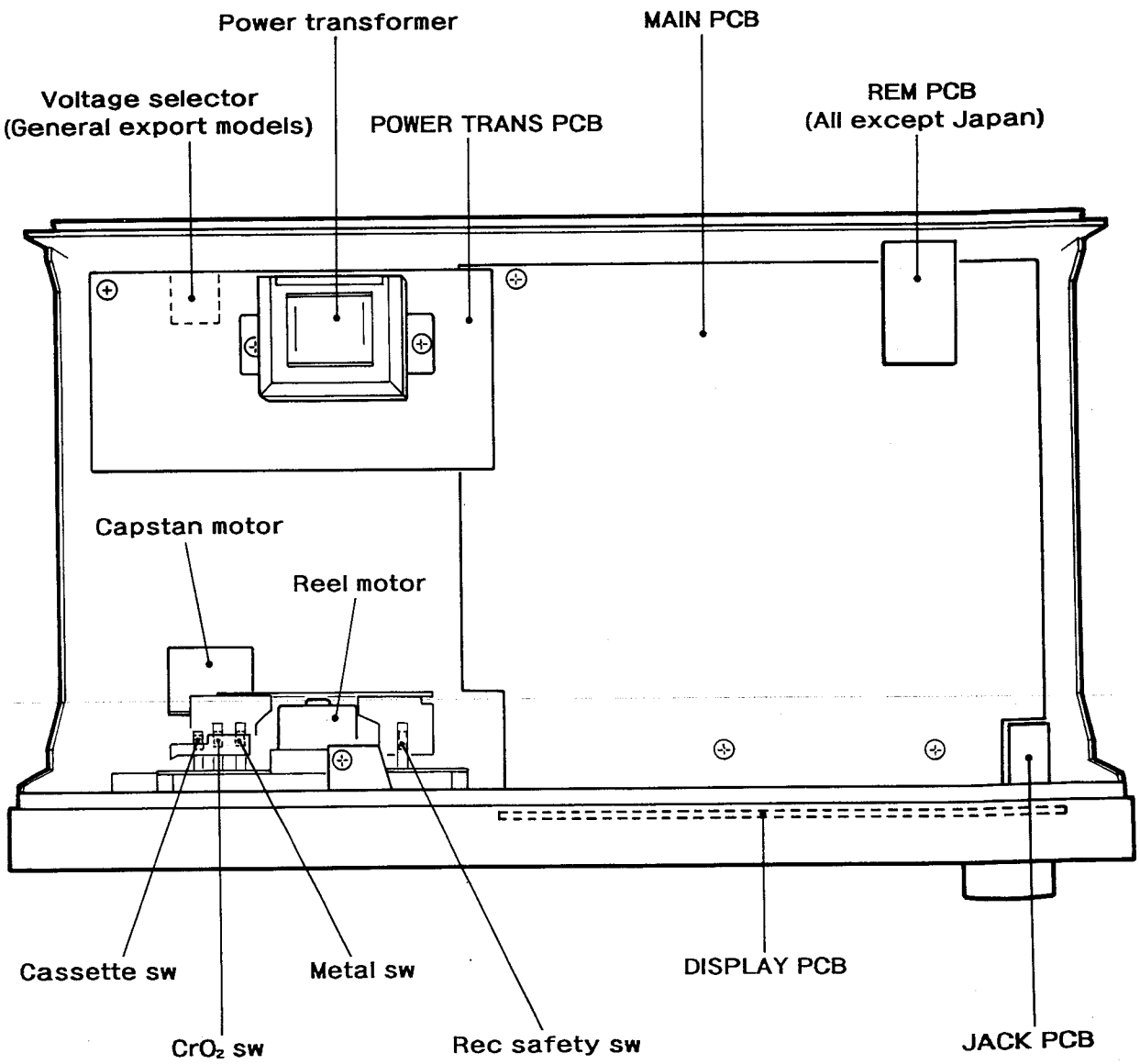

Fig. 3-1 Top view 上面図

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4 MECHANICAL ADJUSTMENTS AND CHECKS

機構部の調整と確認

4-1 TAPE SPEED

1) Connect a frequency couter to the deck as shown in Fig.4-1.
2) Simply press POWER switch to ON to rotate the motor, then continue the motor rotaion for approx. 1 minute for warm-up.
3) As soon as the warm-up finishes, load a TEAC MTT-111 test tape with a 3,000 Hz test tone and play the beginning of the test tape.
4) Adjust the variable resistor (Fig.4-2) to get the adjustment value of 3,000 Hz to 3010 Hz.
5) In play mode, check that the following figures are obtained at the beinning and at the end of the tepe.
   Speed devaiation: 3,000 Hz±75 Hz
   Speed drifting: within 75 Hz

4-1 テープ・スピード

1) 図4-1 のように周波数カウンタを接続する.
2) 電源を入れ, 約 1分間ウォーミング・アップする.
3) テストテープ MTT-111(3kHz) を巻始めの条件で再生する.
4) 周波数値が 3,000～3,010 Hz となるよう, Fig.4-2 に示す調整 VR を調整する.
5) 巻始めから巻終りまで再生し, 速度偏差および変動幅を確認する.
   速度偏差: 3,000 Hz ±75 Hz
   変動幅: 75 Hz 以内

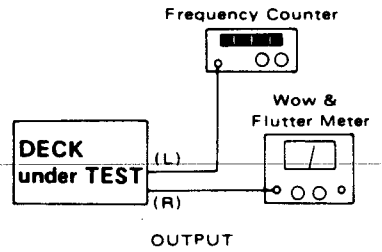

Fig. 4-1

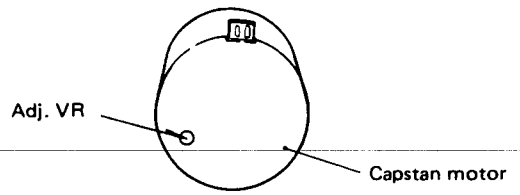

Fig. 4-2

4-2 WOW AND FLUTTER
(PLAYBACK METHOD)

Note: These measurements should be made at the beginning, middle, and the end of the tape.

1) Connect a wow-and-flutter meter to the deck as shown in Fig.4-1.
2) Load and play a TEAC MTT-111 test tape.
3) Check that the readings on the wow-and-flutter meter are as follws.
   Specifications: 0.12 % WRMS

4-2 ワウ・フラッタ
(再生法)

注: テープの巻始め, 中間, 巻終りで測定する.

1) 図4-1 のようにワウ・フラッタ・メータを接続する.
2) テスト・テープ MTT-111 を再生する.
3) ワウ・フラッタ値が下の規格内に入ることを確認する.
   規格: 0.12 % WRMS

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4-3 REEL TORQUE

1) Load the cassette torque meter on the deck and read the pointer indication on the dial scale for each tape transport operation. The measured torque should be within the follwing specified values.

Specifications:

Take-up :	30 ～70 g・cm	
	(0.417～ 0.972 oz-inch)	
Supply :	2.5 ～ 6 g・cm	
	(0.035～ 0.083 oz-inch)	
F.F./REW :	80 ～ 180 g・cm	
	(1.111～ 2.500 oz-inch)	

4-3 リール・トルク

1) カセット型トルク・メータによる測定値が下表の範囲内であることを確認する.

テイクアップ・トルク：	30 ～70 g・cm	
バックテンション・トルク：	2.5 ～ 6 g・cm	
早送り／巻戻しトルク：	80 ～ 180 g・cm	

4-4 VOLTAGE CONVERSION

(General Export Models only)

1) ALWAYS DISCONNECT THE POWER LINE CORD BEFORE MAKING THESE ADJUSTMENTS !
2) Locate the vlotage selector on the rear panel.
3) Using a regular screwdriver, turn the selector until the numerals corrsponding to the voltage requirements of your area appear.

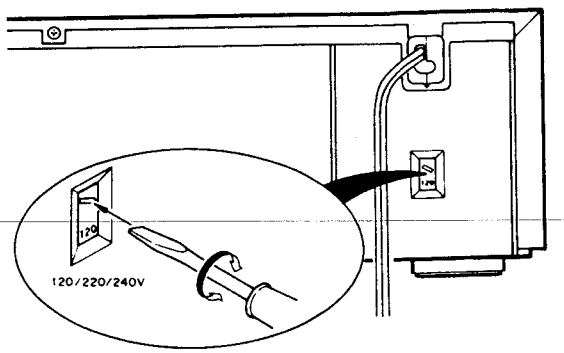

Fig. 4-3

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5 ELECTRICAL CHECKS AND ADJUSTMENTS

アンプ部の確認と調整

5-1 PRECAUTIONS

1) Before performing adjustments and checks clean and demagnentize the entire tape path.
2) Make sure the deck is prorerly set for the voltage in your locality.
3) In general, adjustments and checks are made in the order of L-ch then R-ch. Double REF. Nos. indicate L-ch/R-ch. (Example; R51/R61)
4) 0 dB is referenced to 0.775 V. If an AC voltmeter that references 0 dB to 1 V is used, appropriate compensation should be made.
5) The AC voltmeter used in the procedures must have an input impedance of 1 M-ohmes or more.
6) Note the "Deck settings" at the top of each chart. The settings apply to all check for a specific chart unless explicitly stated otherwise.
7) Sinse this deck has an automatic tape selector, be sure to use test tapes that have tape position detecting holes.
8) Input terminals and measuring points at each step are the same as previous step, otherwise specified.

5-1 注意

1) アンプ部の調整・確認の前に，テープ走行系の消磁と清掃を行なってください．
2) 特に指定の無い限り，調整は L ch, R ch の順序で行なってください．
   尚 R51/R61 のように記されている回路番号は Lch/Rchを示します．
3) 0 dB= 0.775V
4) 測定に使用するレベル計の入力インピーダンスは 1 MΩ以上のものを使用してください．
5) 本機はテープ・セレクタ自動検出機構になっていますのでテスト・テープは必ずテープ・ポジション検出孔のあるものを使用してください．
6) 入力端子及び測定個所は各ステップに於いて特に明示されている場合を除き，直前のステップと同じです．

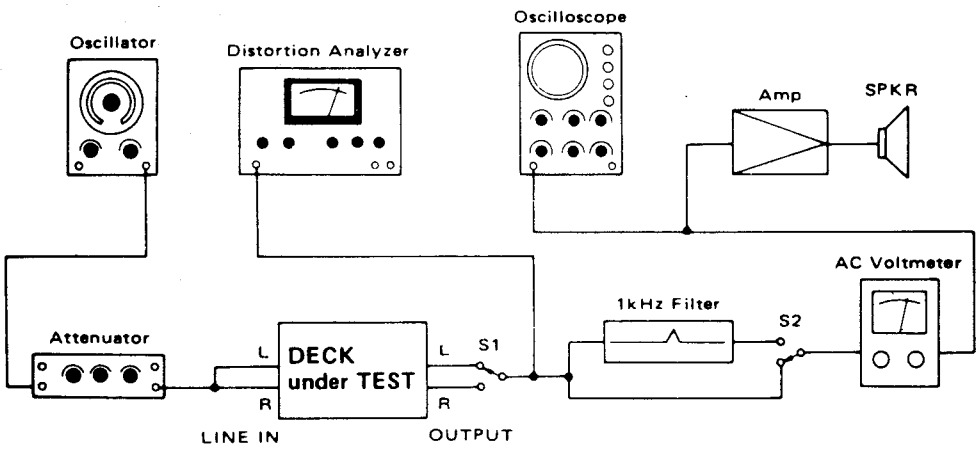

Fig. 5-1 Basic test setup 基本測定接続図

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5-2. ADJUSTMENT LOCATIONS 調整個所 (V-680)

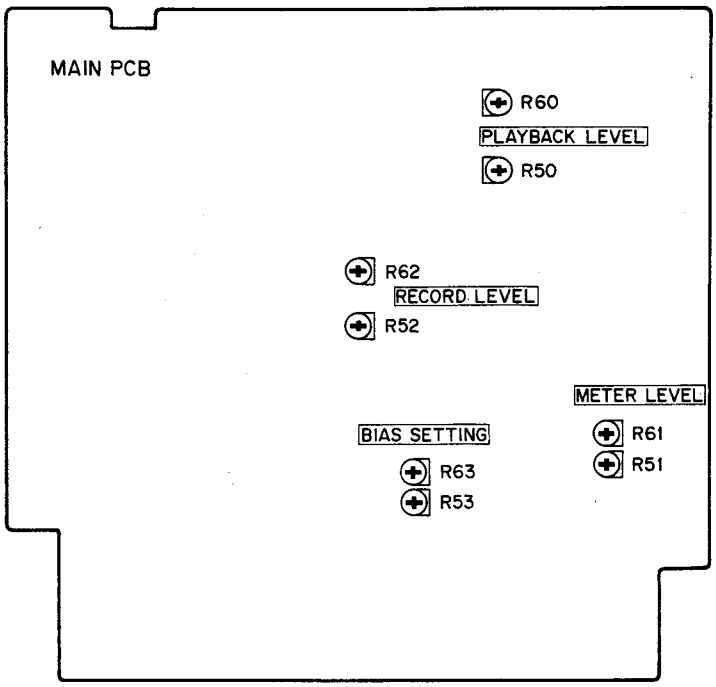

Fig. 5-2 Adjustment points 調整個所 (V-680)

5-3. ADJUSTMENT LOCATIONS 調整個所 (V-580)

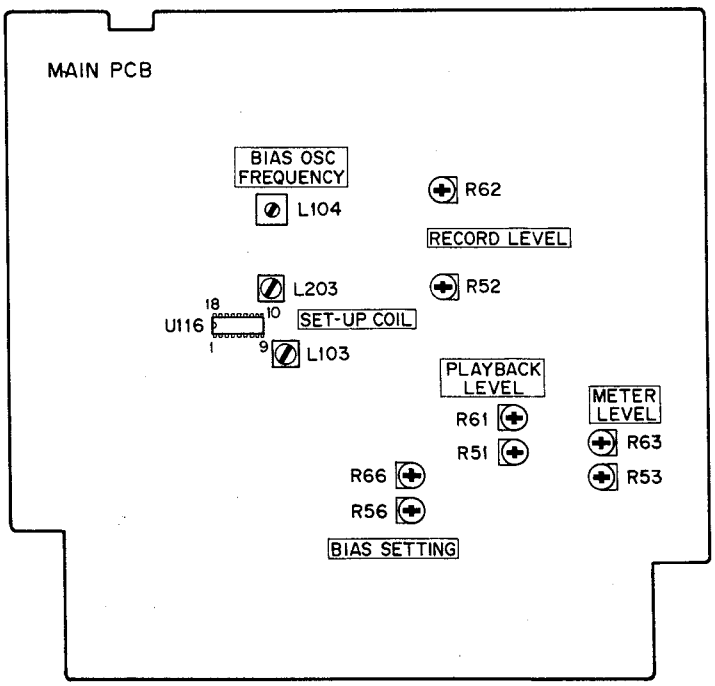

Fig. 5-3 Adjustment points 調整個所 (V-580)

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5-4. PLAYBACK PERFORMANCE
再生系

Deck settings
Mode : PLAY
AOTO MONITOR sw. (V-680) : TAPE
DOLBY NR sw. : OUT
MPX FILTER sw. (V-680) : OUT

TEAC test tapes:
MTT-150 : For Dolby level calibration
MTT-256 : For playback frequency response check for NORMAL
MTT-356 : For playback frequency response check for METAL and CrO_2
MTT-5511 :For S/N check for NORMAL

ITEM 調整項目	SETTING 設 定	INPUT SIGNAL 入力信号	ADJUST (or CHECK) 調整個所	MEASURING POINT, RESULT 測定個所・調整値	REMARKS 備 考
1. REC・PLAY head azimuth 録・再ヘッド アジマス	Connection : Fig.5-4	MTT-256 or MTT-356 (10 kHz)	Azimuth screws of R・P head 録・再ヘッドの アジマス調整ネジ V-680 Fig.5-5 V-580 Fig.5-6	OUTPUT (L/R) : Maximumx output at L & R-ch's. L-R 各 ch 共 最大出力	
		MTT-150	Check	OUTPUT (L/R) : Phase : within 45° 位相 : 45° 以内	Fig.5-7
2. Playback output level 再生出力レベル	Same as above 同上	MTT-150	V-680 R50/R60 V-580 R51/R61	OUTPUT (L/R) : -5 dB (436 mV)	
3. Meter level setting メータ・レベル セット	Same as above 同上	MTT-150	V-680 R51/R61 V-580 R53/R63	PEAK LEVEL meter (L/R) : 0 dB (RED) lit 0 dB (赤)点灯	
4. Playback frequency response 再生周波数特性	Same as above 同上	MTT-256 (MTT-356)	Check	OUTPUT (L/R) : Standerd 規格 :Fig.5-8	
5. Playback S/N ratio 再生 S/N 比	Same as above 同上	MTT-5511 (fully demagnetized using bulk tape eraser) (バルク・イレーサで 充分消磁されたもの)	Check	OUTPUT (L/R) : S/N 45 dB min. (120μ) 46 dB min. (70μ)	
				-5 dB (436 mV) is reference level 基準レベルは -5 dB (436 mV)	

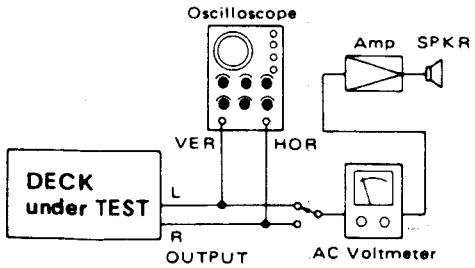

Fig. 5-4 Test setup for azimuth check
位相測定接続図

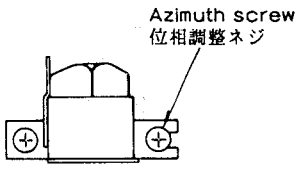

Fig. 5-5 V-680

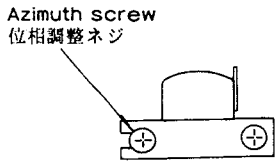

Fig. 5-6 V-580

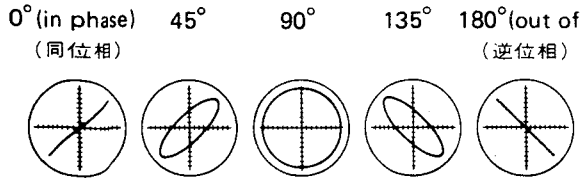

Fig. 5-7 Confirming phase relationship 位相

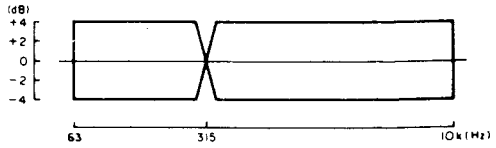

Fig. 5-8 Playback frequency response
再生周波数特性

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5-5. MONITOR PERFORMANCE
モニター系

Deck settings
Mode : RECORD/PAUSE
MASTER REC LEVEL cont. : Maximun
PRESET cont. L/R : REF position
AUTO MONITOR sw. (V-680) : SOURCE
DOLBY NR sw. : OUT
MPX FILTER sw. (V-680) : OUT

ITEM 調整項目	SETTING 設 定	INPUT SIGNAL 入力信号	ADJUST (or CHECK) 調整個所	MEASURING POINT, RESULT 測定個所・調整値	REMARKS 備 考
6. Min. LINE input level ライン 最小入力レベル	Connection : Fig.5-1	LINE IN (L/R) : 400 Hz / -19 dB (86.9 mV)	Check	OUTPUT (L/R) : -5 dB ±3 dB (308 mV ～ 615 mV)	
7. Specified LINE input level LINE 規定入力レベル	Connection : Fig.5-1	LINE IN (L/R) : 400Hz/-9dB(275mV)	PRESET cont. (L / R)	OUTPUT (L/R) : -5 dB (436 mV)	
		After adjusting. do not move the PRESET cont. (L/R).(Specific position) 調整後は PRESET つまみを動かさないこと.			
8. Meter level メータ・レベル	Connection : Fig.5-1	LINE IN (L/R) : 400Hz/-9dB(275mV)	Check	REAK LEVEL meter (L/R) : 0 dB (RED)	
9. PHONES output level PHONES 出力レベル	Connection : Fig.5-9 PHONES LEVEL cont. : Max.	LINE IN (L/R) : 400Hz/-9dB(275mV)	Check	PHONES : At each channel 各チャンネルで -15 dB ±3 dB (97.5 mV～ 195 mV)	8Ω load

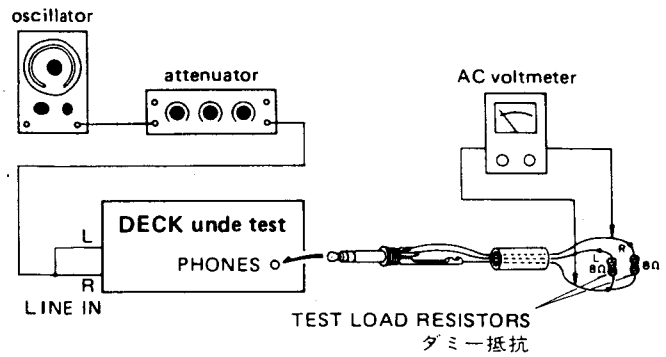

Fig. 5-9 Test setup for PHONES check
ホーン出力測定接続図

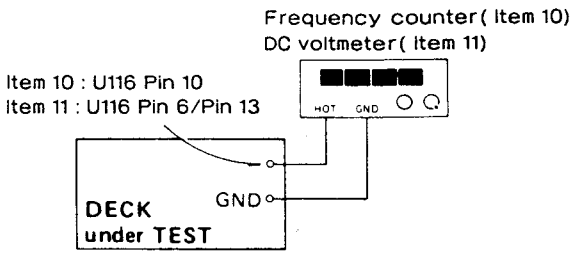

Fig. 5-10 Test setup for bias osc. frequency adjustment
バイアス発振周波数調整用接続図

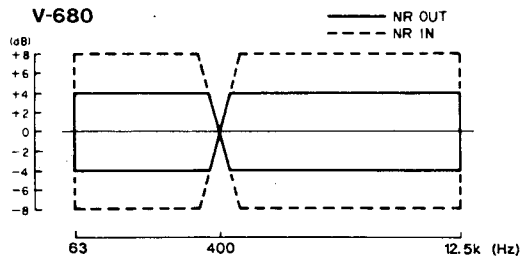

Fig. 5-11 Overall frequency responce
録再周波数特性

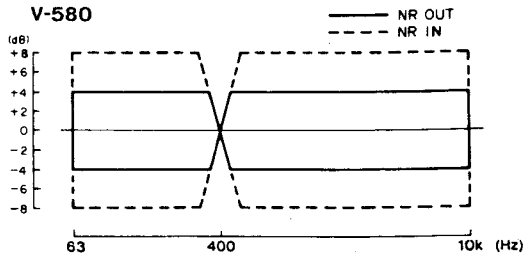

Fig. 5-12 Overall frequency responce
録再周波数特性

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5-6. RECORDING PERFORMANCE
録音系

Deck settings
Mode : Rec/Play (Item 10,11)
: Record then Playback (Item 12～ 22)
MASTER REC LEVEL cont. : Maximum
PRESET (L/R) cont. : Specified position(規定位置)
AUTO MONITOR sw. (V-680) : TAPE
DOLBY NR sw. : OUT
MPX FILTER sw. (V-680) : OUT
BIAS FINE cont. : REF (center) position

TEAC recording test tapes
MTT-5571 : For METAL
MTT-5561 : For CrO2
MTT-5511 : For NORMAL

ITEM 調整項目	SETTING 設 定	INPUT SIGNAL 入力信号	ADJUST (or CHECK) 調整個所	MEASURING POINT, RESULT 測定個所・調整値	REMARKS 備 考
10. Bias osc frequency バイアス 発振周波数 (V-580 only)	Connection : Fig.5-10 Tape : MTT-5571 Mode : REC / PLAY	No signal	L104	U116 pin10 : 100 kHz ±2 kHz	
11. Step-up coil ステップ・アップ コイル (V-580 only)	Same as above 同上	No signal	L103/L203	U116 pin 6 / pin 13 : Minimum DC voltage DC 電圧最小値	*
			*When the reading of the voltmeter is negative (-), set to the maximum negative voltage. 電圧計がマイナス電圧を指示する場合はマイナス電圧の最大値にセットする.		
12. Record bias バイアス・セット	Connection : Fig.5-1 TAPE : MTT-5571 BIAS FINE cont.: REF position	LINE IN (L/R) : 400 Hz and 10 kHz alternately / 交互信号 / -42 dB (6.15 mV)	V-680 R53/R63 V-580 R56/R66	OUTPUT (L/R) Equal output level (record and playback) between 400 Hz and 10kHZ. 400 Hz と10 kHz の録再出力が等しくなること.	
13. BIAS FINE	Same as above	LINE IN (L/R) : 10 kHz / -42 dB (6.15 mV)	BIAS FINE cont. Min.←→Max.	OUTPUT (L/R) : Check Recorded signal level variation 録音された信号のレベル変化 5 dB minimum (V-680) 3 dB minimun (V-580)	
	After checking, set the BIAS FINE cont. to REF (center) position. チェック後 BIAS FINE つまみを REF (センター) 位置に戻しておくこと.				
14. Record level 録音レベル	Connection : Fig.5-1 TAPE : MTT-5511	LINE IN (L/R) : 400 Hz / -12 dB (195 mV)	R52 / R62	Output (L/R) : Output level (record and playbak) 録再出力 -8 dB (300 mV)	
	Connection : Fig.5-1 TAPE : MTT-5571,MTT-5561 DOLBY NR sw. : IN / OUT, B / C		Check	Output (L/R) : Output level (record and playback) 録再出力 -10 dB～ -6 dB (245 mV～388 mV)	
15. Total harmonic distortion 総合歪率	Connection : Fig.5-1 TAPE : MTT-5571 TAPE : MTT-5561 TAPE : MTT-5511	LINE IN (L/R) : 400 Hz / -12 dB (195 mV)	Check	OUTPUT (L/R) : 2.5 % or less 2.5 % 以下	
16. Overall frequency response 録再周波数特性	Connection : Fig.5-1 TAPE : MTT-5571 TAPE : MTT-5561 TAPE : MTT-5511	LINE IN (L/R) : 40 Hz ～12.5 kHz/ -42 dB (6.15 mV)	Check	OUTPUT (L/R) : Standard Fig.5-11 (V-680) Standard Fig.5-12 (V-580)	

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ITEM 調整項目	SETTING 設　定	INPUT SIGNAL 入力信号	ADJUST (or CHECK) 調整個所	MEASURING POINT, RESULT 測定個所・調整値	REMARKS 備　考
17. Overall S/N ratio 総合S/N 比 発振周波数 (V-580 only)	Connection : Fig.5-1 Tape : MTT-5571 Tape : MTT-5561 Tape : MTT-5511	No signal 無信号	Check	OUTPUT (L/R) : METALL 45 dB min. CrO2 45 dB min. NORMAL 44 dB min.	
				400 Hz / -8 dB (300 mV) is the reference level. 基準レベルは 400 Hz / -8 dB (300 mV)	
18. Erase efficiency 消去効果	Connection : Fig.5-1 but engage 1-kHz filter 1-kHz フィルター使用 Tape : MTT-5571	LINE IN (L/R) 1 kHz / +1 dB (0.869 V)	Check	OUTPUT (L/R) : 65 dB min. ratio	
	Record a 1 kHz signal. Erase the latter half of the recording. Rewind and play to find the difference between the 1 kHz portion and the erased portion. 録音部分を再生したときのレベルを基準レベルとし，録音部分を消去したときの出力レベルとの差を測定.				
19. REC MUTE function REC MUTE　効果	Same as above 同　上	Same as above 同　上	Check	OUTPUT (L/R) : 65 dB min. ratio (V-680) 63 dB min. ratio (V-580)	
	Record a 1 kHz signal. Push REC MUTE button midway. Rewind and play to find the difference between the 1-kHz portion and the "rec mute" portion. 1 kHz 信号を録音し，途中で REC MUTE 釦を押して無信号録音部分を作る. このテープを再生し，1 kHz 部分と無信号部分との出力レベル差を測定.				
20. Channel separation チャネル・セパレーション	Same as above 同　上	LINE IN : L ch 1-kHz/-9dB (275mV) R ch No signal 無信号	Check	OUTPUT (R) : 30 dB min. ratio	
	Set the deck to record mode. rewind and play to find the difference between the 1-kHz recorded portion (L-ch) and "no signal" portion (R-ch). 録音後，再生して 1-kHz 録音部分 (L-ch) と無信号録音部分(R-ch) との出力レベル差を測定.				
	Change the above connection and check reverse operation also. L-ch と R-ch を入れ替えた場合についてもチェックすること.				
21. Adjucent track crosstalk トラック間クロストーク	Connection : Fig.5-1 but not connect LINE (L) and output (L) L ch の入出力の接続不要	LINE IN : L ch No signal 無信号 R ch 125Hz/-9dB (275mV)	Check	OUTPUT (R) : 40 dB min. ratio	
	Record a 125 Hz signal on R-ch track and note output level. Invert tate and play R-ch track. Check leakage level against the output reference of previously recorded portion. R-ch トラックに 125 Hz 信号を録音し，その再生出力を基準レベルとする. 次にテープを反転し，再生したときのR-ch 出力レベルと基準レベルとの差を測定.				

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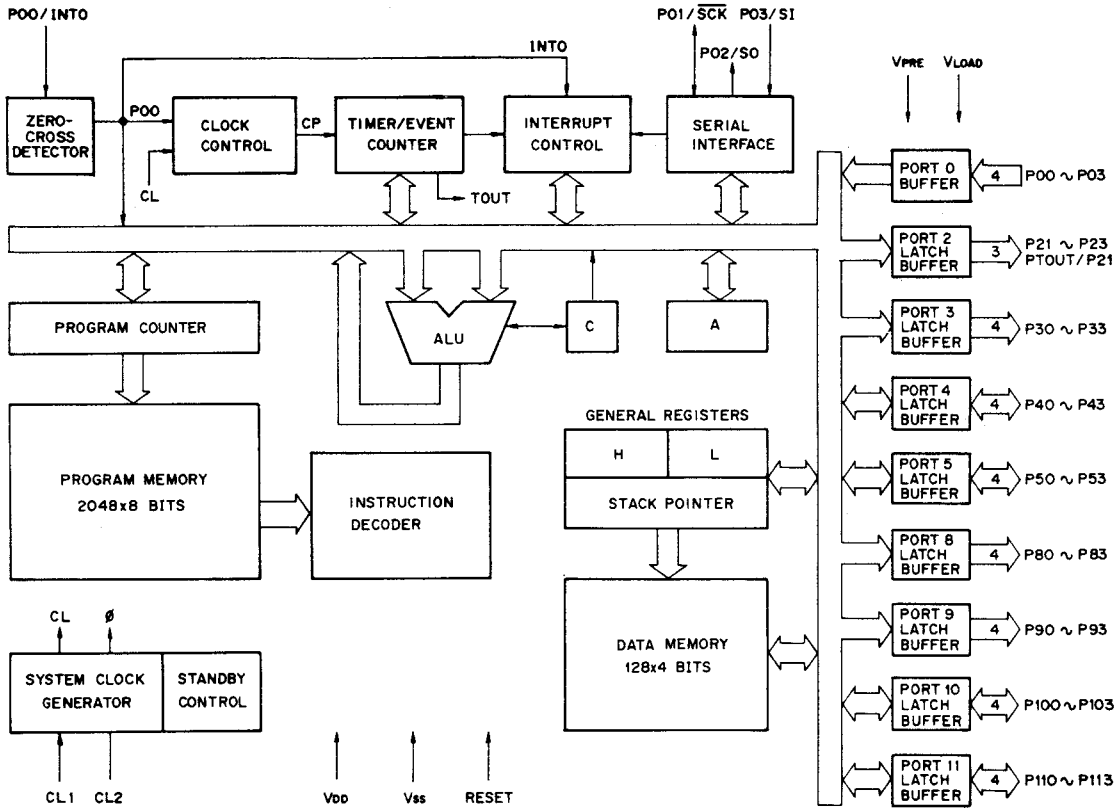
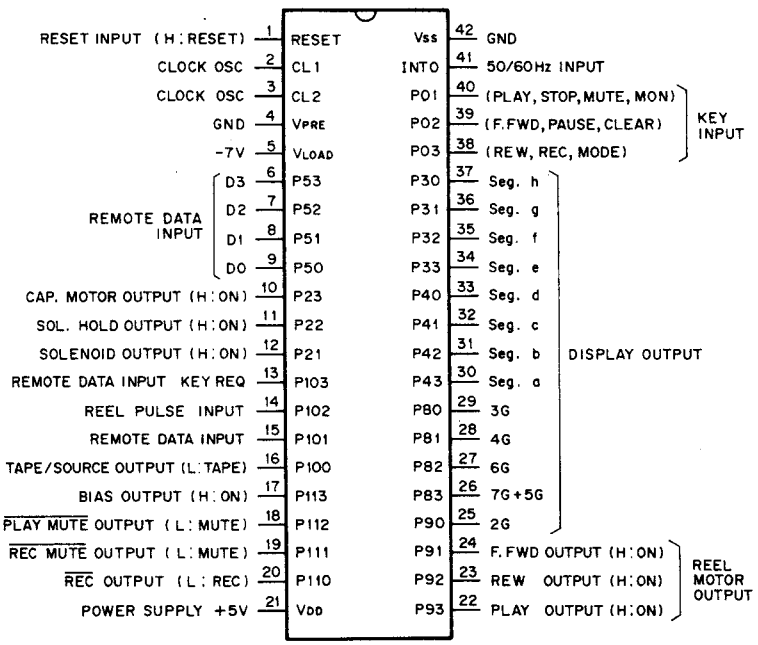
6 IC BLOCK DIAGRAMS

ICブロック・ダイヤグラム

μPD7537ACU





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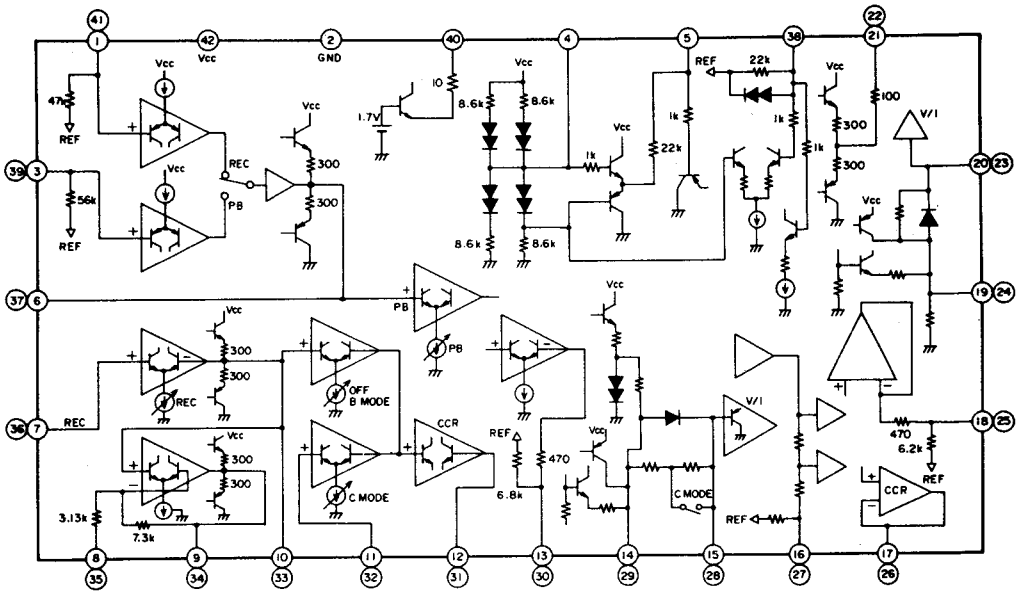
HA12088



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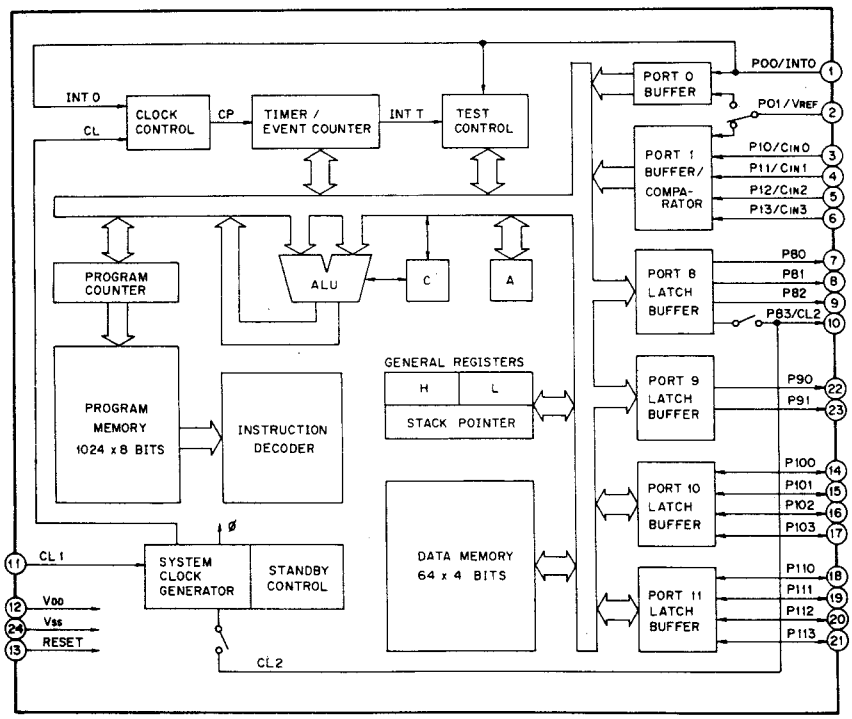

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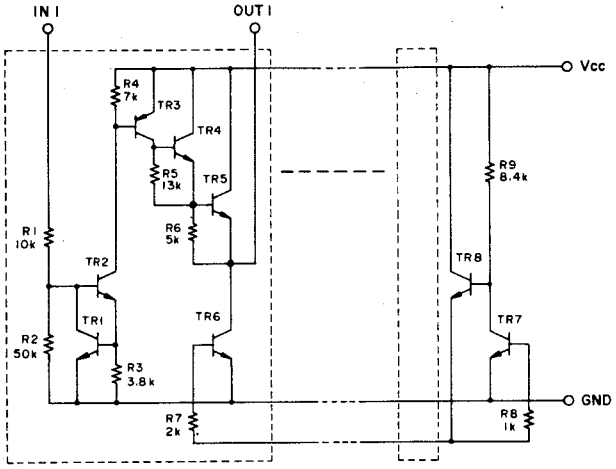
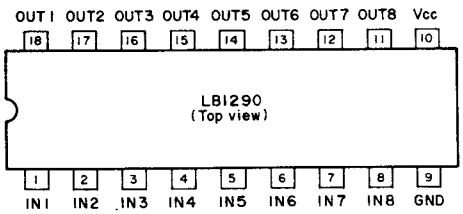
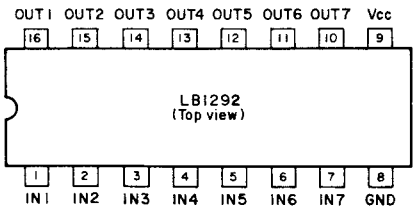
LB1290, LB1292







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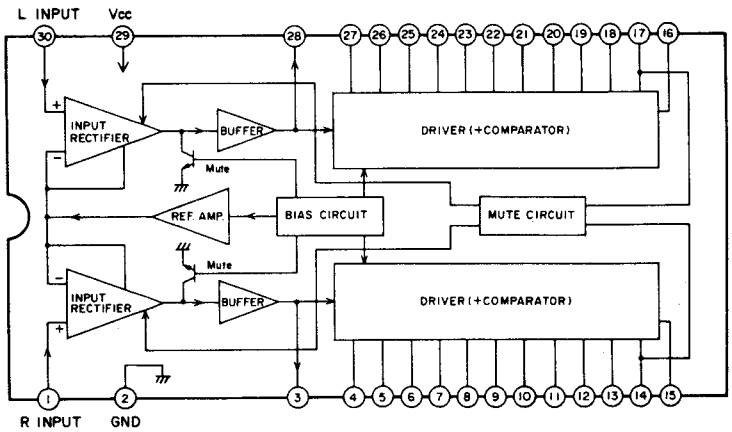
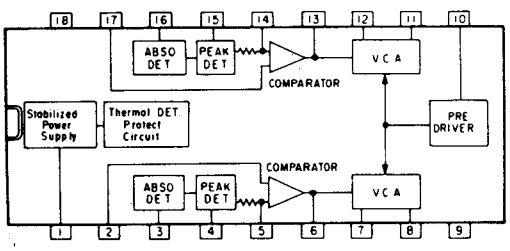


µPC1297CA



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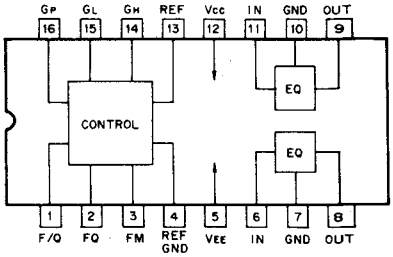

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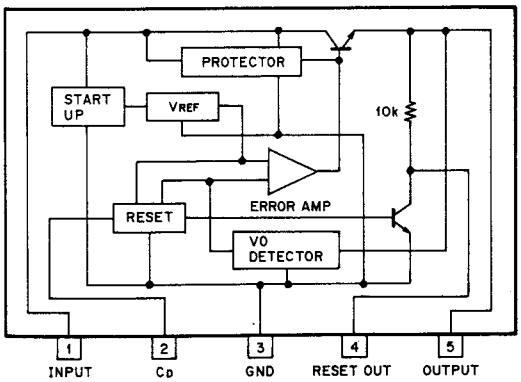
L78LR05



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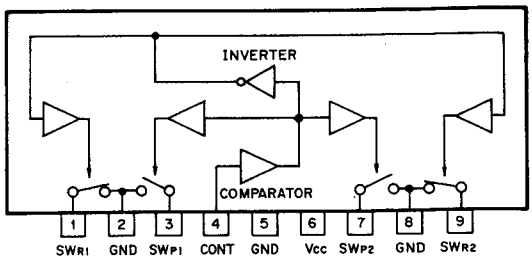
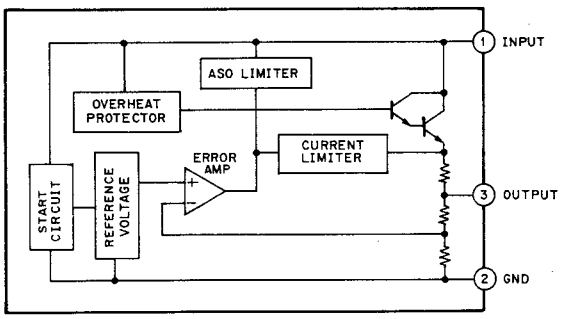


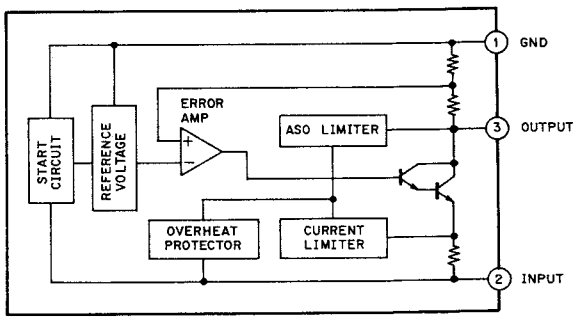
M5F78M15L

VOLTAGE REGULATOR (+15V)



M5F79M15L

VOLTAGE REGULATOR (-15V)



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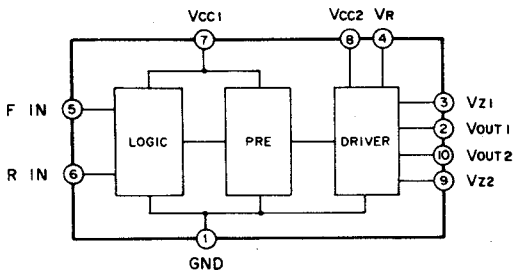
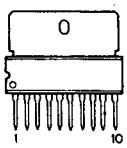


F IN	R IN	VOUT1	VOUT2
H	H	L	L
L	H	L	H
H	L	H	L
L	L	OPEN	OPEN



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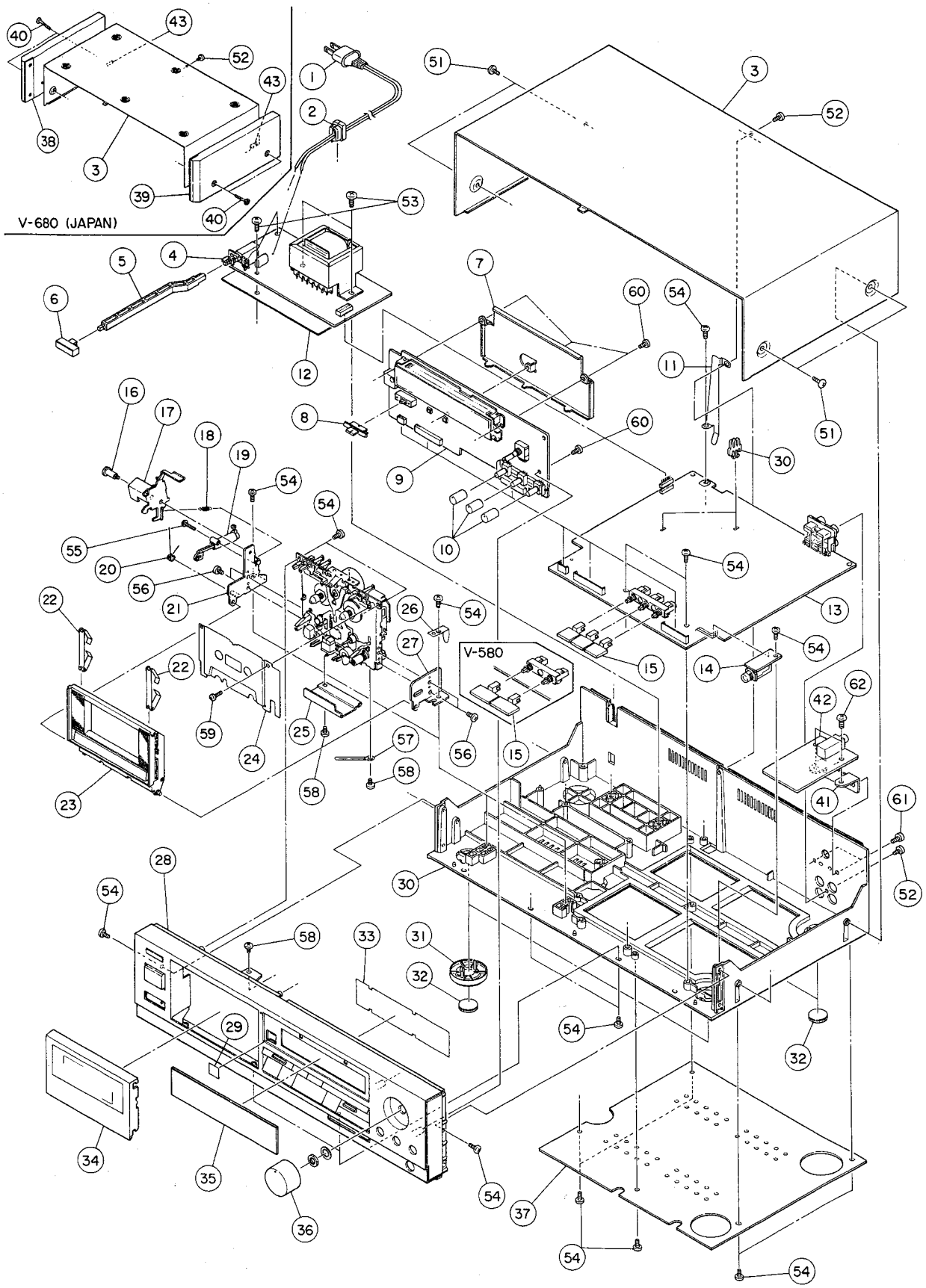
7 EXPLODED VIEWS AND PARTS LIST

分解図とパーツ・リスト

EXPLODED VIEW – 1



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EXPLODED VIEW-1

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
1- 1	⚠ 5350015200	CORD, AC [J]	
	⚠ 5350010800	CORD, AC UL SPT-1 [US,C,GE]	
	⚠ 5350011700	CORD, AC CEE CLASS-2 [E]	
	⚠ 5128047000	CORD, AC [UK]	
	⚠ 5350008300	CORD, AC ASS [A]	
1- 2	*5317003400	BUSHING 2271	
1 -3	*5801127500	BONNET [ALL EXCEPT J]	
	*5801287900	BONNET ASSY [J] (V-680)	
1- 4	*5200257300	POWER TRANS PCB ASSY [J]	Ref. pages 23 & 26
	*5200257310	POWER TRANS PCB ASSY [US,C]	Ref. pages 23 & 26
	*5200257320	POWER TRANS PCB ASSY [GE]	Ref. pages 23 & 26
	*5200257330	POWER TRANS PCB ASSY [E]	Ref. pages 23 & 26
	*5200257340	POWER TRANS PCB ASSY [UK]	Ref. pages 23 & 26
	*5200257350	POWER TRANS PCB ASSY [A]	Ref. pages 23 & 26
1- 5	*5801125100	ROD, POWER SWITCH	
1- 6	5800752300	BUTTON, POWER B	
1- 7	*5801126500	BRACKET, PCB	
1- 8	5801127000	KNOB, SLIDE SWITCH	
1- 9	*5200287900	DISPLAY PCB ASSY [J] (V-680)	Ref. pages 21 & 26
	*5200287910	DISPLAY PCB ASSY [ALL EXCEPT J] (V-680)	Ref. pages 21 & 26
	*5200287500	DISPLAY PCB ASSY [J] (V-580)	Ref. pages 22 & 26
	*5200287510	DISPLAY PCB ASSY [ALL EXCEPT J] (V-580)	Ref. pages 22 & 26
1-10	5801125700	KNOB (1)	
1-11	*5801125900	PLATE (2), EARTH	
1-12	*5801149800	SHEET, TRANSFORMER [US]	
1-13	*5200287801	MAIN PCB ASSY [J] (V-680)	Ref. pages 21 & 24
	*5200287811	MAIN PCB ASSY [ALL EXCEPT J] (V-680)	Ref. pages 21 & 24
	*5200287400	MAIN PCB ASSY [J] (V-580)	Ref. pages 22 & 25
	*5200287410	MAIN PCB ASSY [ALL EXCEPT J] (V-580)	Ref. pages 22 & 25
1-14	*5200288000	JACK PCB ASSY (V-680)	Ref. pages 21 & 24
	*5200287600	JACK PCB ASSY (V-580)	Ref. pages 22 & 25
1-15	5801124700	BUTTON (B), PUSH (V-680)	
	5801124600	BUTTON (A), PUSH (V-580)	
1-16	*5801125300	SCREW, SHOULDER	
1-17	*5801126300	ARM, EJECT	
1-18	*5801125800	SPRING, ARM	
1-19	5730030600	DAMPER F077-016	
1-20	*5800838300	SPRING, DOOR (R)	
1-21	*5801126400	BRACKET, DAMPER	
1-22	*5800603801	SPRING, CASSETTE PRESSURE	
1-23	*5801148800	HOLDER, CASSETTE	
1-24	*5801142000	PLATE (L)	
1-25	*5801124500	SHIELD PLATE, HEAD	
1-26	*5801125000	PLATE (1), EARTH	
1-27	*5801126900	BRACKET, MECHANISM	
1-28	*5801286300	FRONT PANEL ASSY [J] (V-680)	
	*5801286400	FRONT PANEL ASSY (UR) [ALL EXCEPT J] (V-680)	
	*5801286500	FRONT PANEL ASSY [J] (V-580)	
	*5801286600	FRONT PANEL ASSY (UR) [ALL EXCEPT J] (V-580)	
1-29	*5801290200	FILTER, REMO-CON [J]	
1-30	*5801128000	CHASSIS, MAIN [J]	
	*5801287300	CHASSIS, MAIN (UR) [ALL EXCEPT J]	
1-31	*5801125500	RING, FOOT	
1-32	*5800620400	FELT, FOOT	
1-33	*5801124900	FILTER, DISPLAY	
1-34	5801288400	LID ASSY, A (V-680)	
	5801290400	LID ASSY, B (V-580)	
1-35	*5801125600	WINDOW, DISPLAY [ALL EXCEPT J]	
	*5801287201	WINDOW, DISPLAY (EXTRA) [J]	

Parts marked with *require longer delivery time.

[J]:JAPAN [US]:U.S.A. [C]:CANADA [E]:EUROPE
[UK]:U.K. [A]:AUSTRALIA [GE]:GENERAL EXPORT

EXPLODED VIEW-1

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
1-36	5801126800	KNOB (2)	
1-37	*5801127400	COVER, BOTTOM	
1-38	*5801287600	WOOD, SIDE (L) [J] (V-680)	
1-39	*5801287700	WOOD, SIDE (R) [J] (V-680)	
1-40	*5800954700	SCREW ASSY (SIDE WOOD) [J] (V-680)	
1-41	*5801283800	BRACKET, REMO-CON PCB [ALL EXCEPT J]	
1-42	*5200288100	REMO-CON. PCB ASSY [ALL EXCEPT J]	
1-43	*5800814900	CUSHION	
1-51	*5800758000	SCREW, P-TITE(SP) M3X10	
1-52	*5783543010	SCREW, BIND P-TITE M3X10(BLK NI)	
1-53	*5783604012	SCREW, BIND P-TITE M4X12	
1-54	*5783603010	SCREW, BIND P-TITE M3X10	
1-55	*5783072012	SCREW, BIND PAN CUP S-TITE M2X12	
1-56	*5783003004	SCREW, BIND PAN S-TITE M3X4	
1-57	*5786713000	CLIP, HARNESS 3.0X9.1X50	
1-58	*5730017600	SCREW, BIND BR-TITE M3X6	
1-59	*5783542612	SCREW, BIND P-TITE M2.6X12 (BLK NI)	
1-60	*5783603012	SCREW, BIND P-TITE M3X12	
1-61	*5780023006	SCREW, BIND M3X6 (BLK NI)	
1-62	*5730017700	SCREW, BIND BR-TITE M3X8	

INCLUDED ACCESORIES

REF. NO.	PARTS NO.	DESCREPTION	REMARKS
	*5700115000	OWNER'S MANUAL [J]	
	*5700115100	OWNER'S MANUAL [ALL EXCEPT J]	
	*5700115200	OWNER'S MANUAL [C,E]	
	*5350011600	CORD, IN-OUT 1.0M	
	*5744076000	REMOTE CONTROL RC-348	
	*5347003100	BATTERIES SUM-3 [J]	

Parts marked with *require longer delivery time.

[J]:JAPAN [US]:U.S.A. [C]:CANADA [E]:EUROPE
[UK]:U.K. [A]:AUSTRALIA [GE]:GENERAL EXPORT

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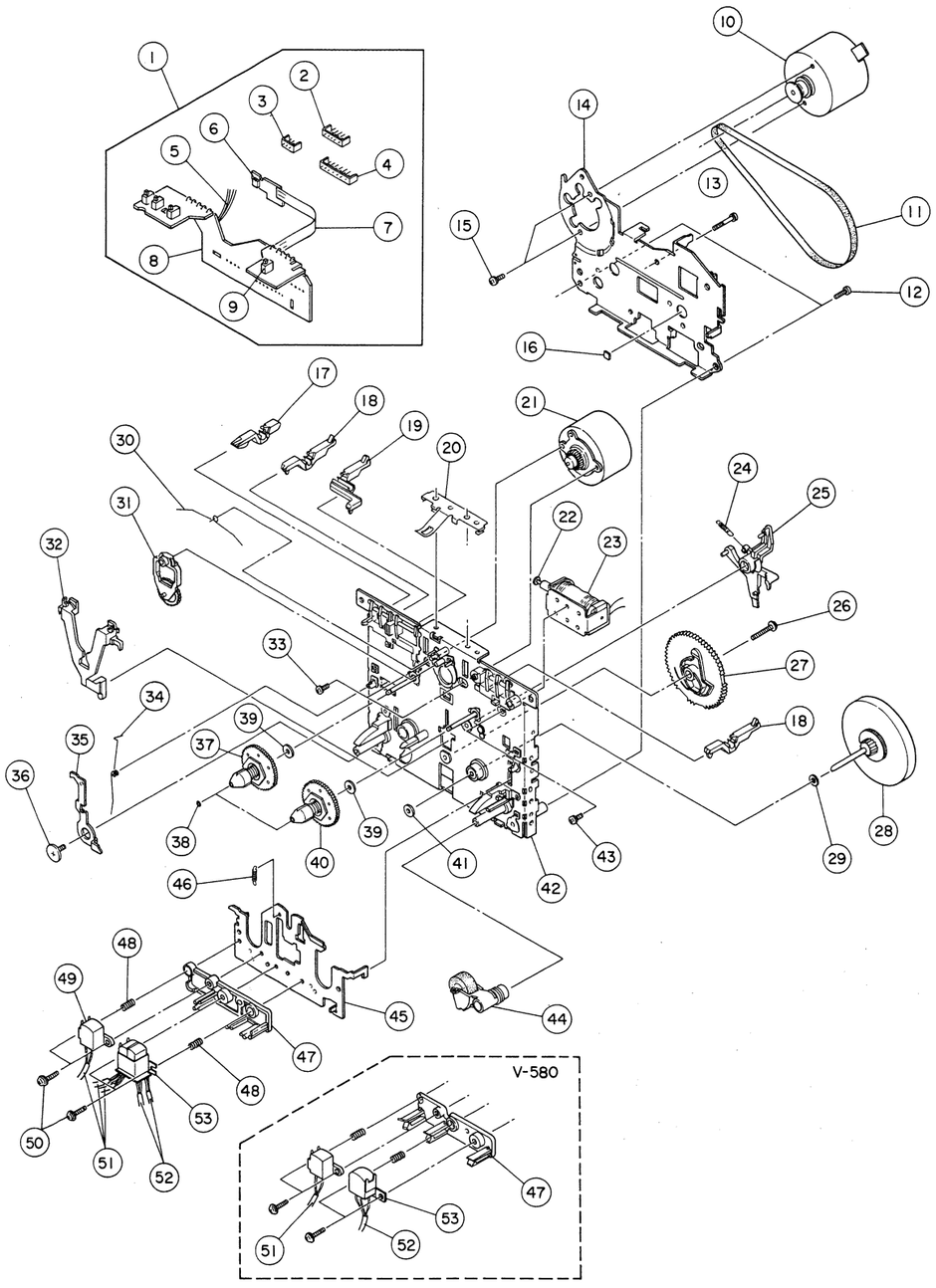
EXPLODED VIEW - 2



EXPLODED VIEW-2

REF. NO.	PARTS NO.	DESCRIPTION	REMARKS
2- 1	*5761769400	CONNECTOR F067-110	
2- 2	*5761769600	B7B-EH UY15B-16	
2- 3	*5761749300	B3B-EH	
2- 4	*5761749100	B5B-EH	
2- 5	*5761769700	JUMPER, 2P WG13K-10	
2- 6	*5761748800	GP 2S09B	
2- 7	*5761748900	JUMPER, 3P WG46V-06	
2- 8	*5761769500	BOARD FP17E-71	
2- 9	5761748700	SWITCH, PUSH	
2-10	5761747800	MOTOR, DC : W/PULLEY	
2-11	5761769200	BELT, MAIN FF15R-11	
2-12	*5761690900	SCREW, WAVE 2.6X8 UG12H-14	
2-13	*5761769300	SCREW, S-TITE M2.6X23.5 UG17H-11	
2-14	*5761768900	F/W BKT FC47D-13	
2-15	*5761746400	SCREW, PAN 2.6X3.5	
2-16	*5761747700	SPACER	
2-17	*5761749500	LEVER, PACK	
2-18	*5761749600	LEVER, RECORD	
2-19	*5761749700	LEVER, METAL	
2-20	*5761750200	SPRING, CASSETTE PRESS	
2-21	5761745800	MOTOR, DC : REEL (V-580)	
	5761745800	MOTOR, DC : REEL (V-680)	Ser. No. 61992 and before
	5761801900	MOTOR, DC : REEL (V-680)	Ser. No. 61993 and after
2-22	*5761746300	PIN, SOLENOID	
2-23	5761746200	SOLENOID PKA16146	
2-24	*5761768800	SPRING, PLAY ARM FK22G-14	
2-25	5761769000	ARM (F), PLAY FD38M-22	
2-26	*5761771000	SCREW, TAP TITE 2X15 UG17L-11	
2-27	5761768700	GEAR (F), CAM FD38P-16	
2-28	5761747200	F/W ASSY	
2-29	*5761689200	WASHER, POLYSLIDER FJ111-30	
2-30	*5761745400	SPRING, HOLD	
2-31	5761745300	IDLER ASSY	
2-32	*5761745700	LEVER(C), HOLD	
2-33	*5761745900	SCREW, BIND PAN 2.6X6ZN	
2-34	*5761768600	SPRING (L), EJECT FK22P-16	
2-35	*5761768500	ARM (L), EJECT FC39S-33	
2-36	*5761746700	SCREW,	
2-37	5761773700	REEL TABLE ASSY, S.(V-680) F105-029	
	5761686300	REEL TABLE ASSY, S.(V-580) F105-027	
2-38	*5761745600	WASHER, POLYSLIDER	
2-39	*5761745500	WASHER, POLYSLIDER	
2-40	5761686400	REEL TABLE ASSY, T. F123-037	
2-41	*5761689700	WASHER, OIL SEAL FJ141-11	
2-42	*5761768400	CHASSIS, MECHANISM F112-110	
2-43	*5761769800	SCREW, PAN 2.6X4 ZN FG114-15	
2-44	5761768300	PINCH ROLLER ASSY FR20L-21	
2-45	*5761768100	BASE, HEAD FC38N-D3	
2-46	*5761744800	SPRING, HEAD BASE	
2-47	*5761770400	SPACER, 3 HEAD FD44N-11 (V-680)	
	*5761768100	BASE, HEAD FC38N-D3 (V-580)	
2-48	*5761767500	SPRING, AZIMUTH FK21U-11	
2-49	5761767900	HEAD, ERASE FU192-11	
2-50	*5761767400	SCREW, F LOCK FG137-18	
2-51	*5761770300	CONNECTOR, WIER WH51L-05 (V-680)	
	*5761770300	CONNECTOR, WIER WH51L-05 (V-580)	
2-52	*5761770100	CONNECTOR, WIRE WH51K-03 (V-680)	
	*5761770100	CONNECTOR, WIRE WH51K-03 (V-580)	
2-53	5761770200	HEAD, R/P H-2371 FU19C-11 (V-680)	
	5761770200	HEAD, HAYEH 4406 A FU17A-11B (V-580)	

Parts marked with *require longer delivery time.

[J]:JAPAN [US]:U.S.A. [C]:CANADA [E]:EUROPE
[UK]:U.K. [A]:AUSTRALIA [GE]:GENERAL EXPORT

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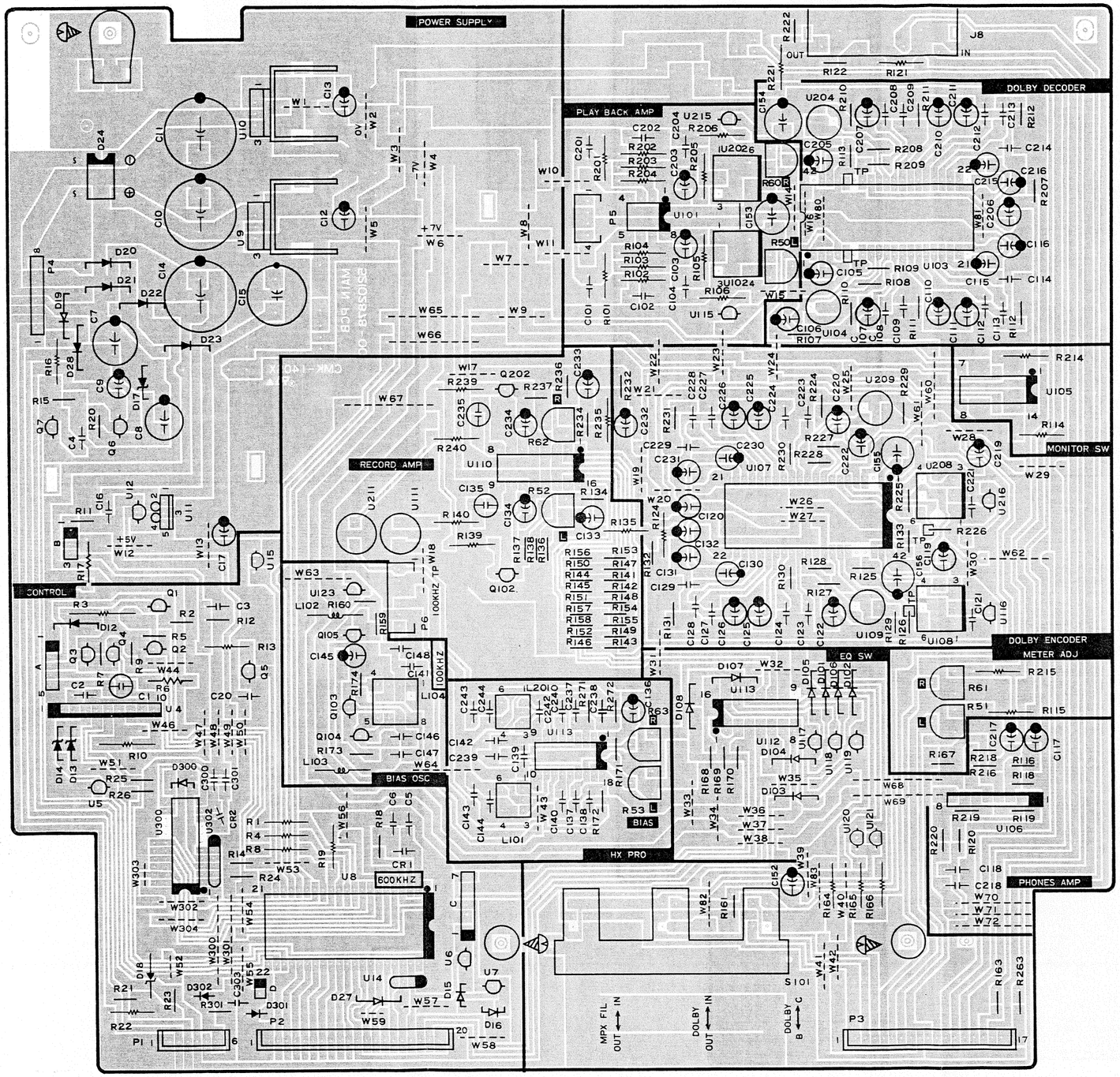
8 PC BOARDS AND PARTS LIST

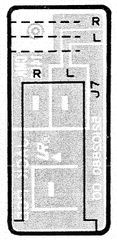
基板図とパーツ・リスト

V-680

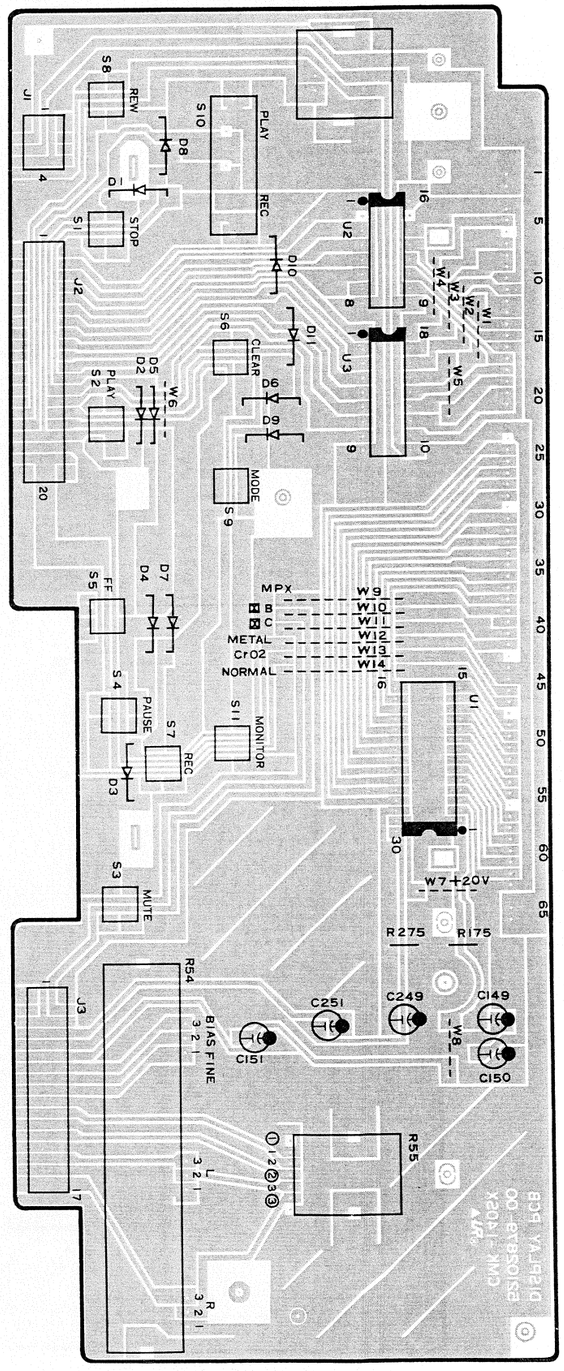
MAIN PCB ASSY



JACK PCB ASSY

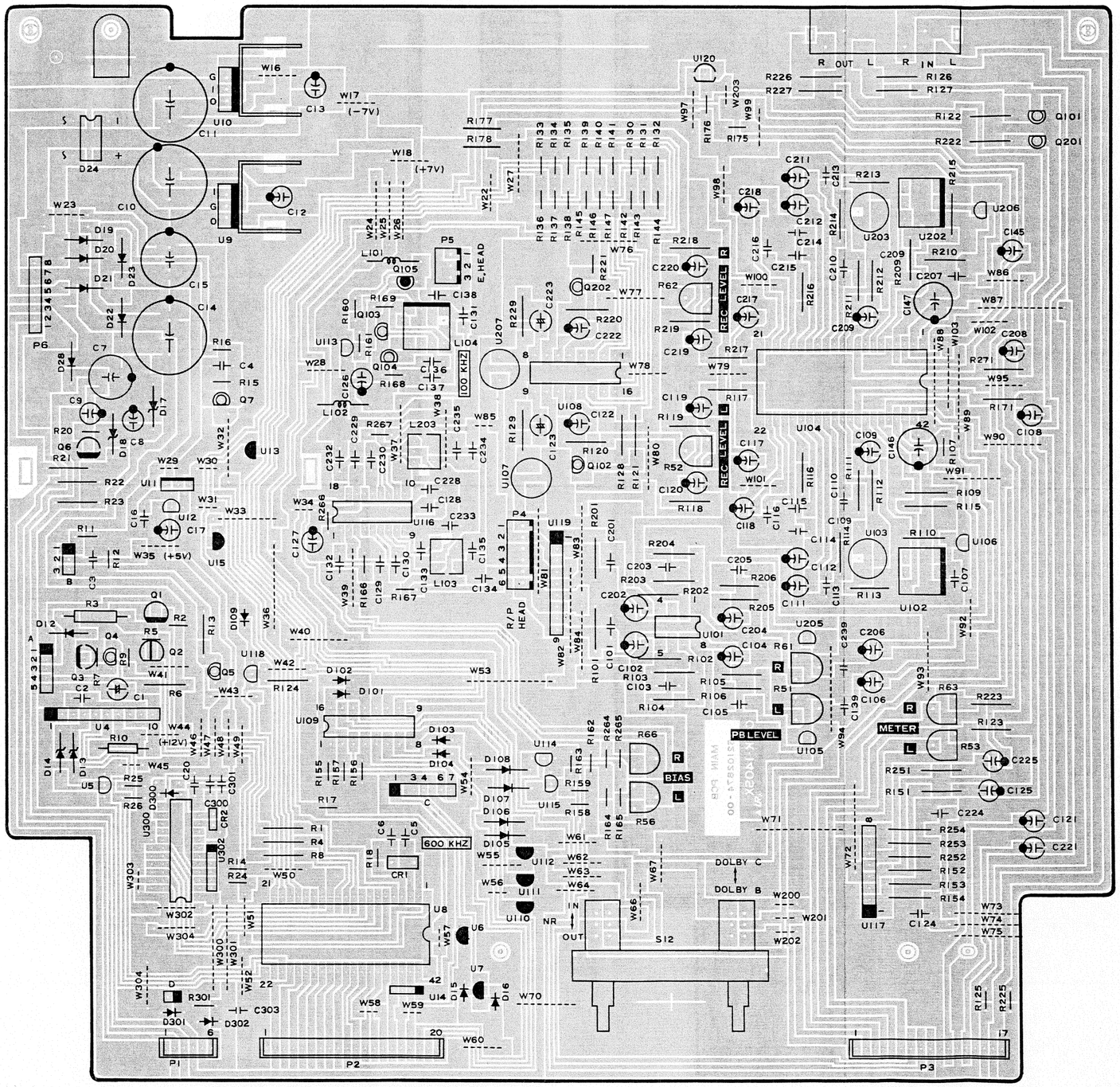


DISPLAY PCB ASSY

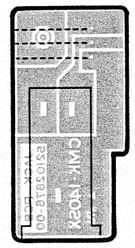


V-580

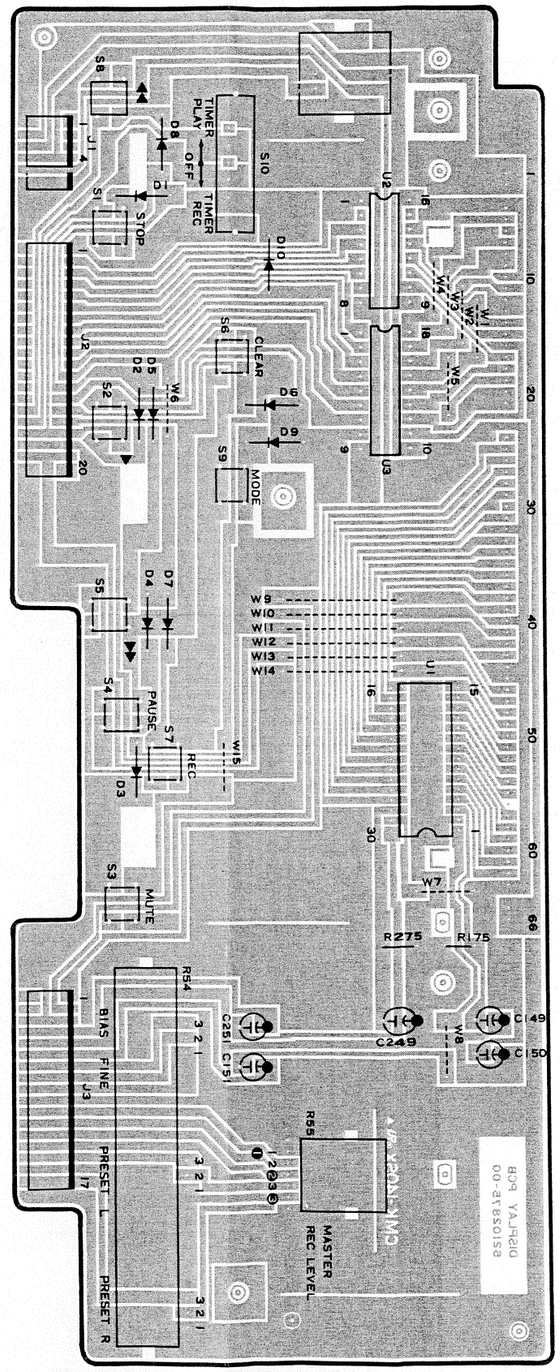
MAIN PCB ASSY



JACK PCB ASSY



DISPLAY PCB ASSY



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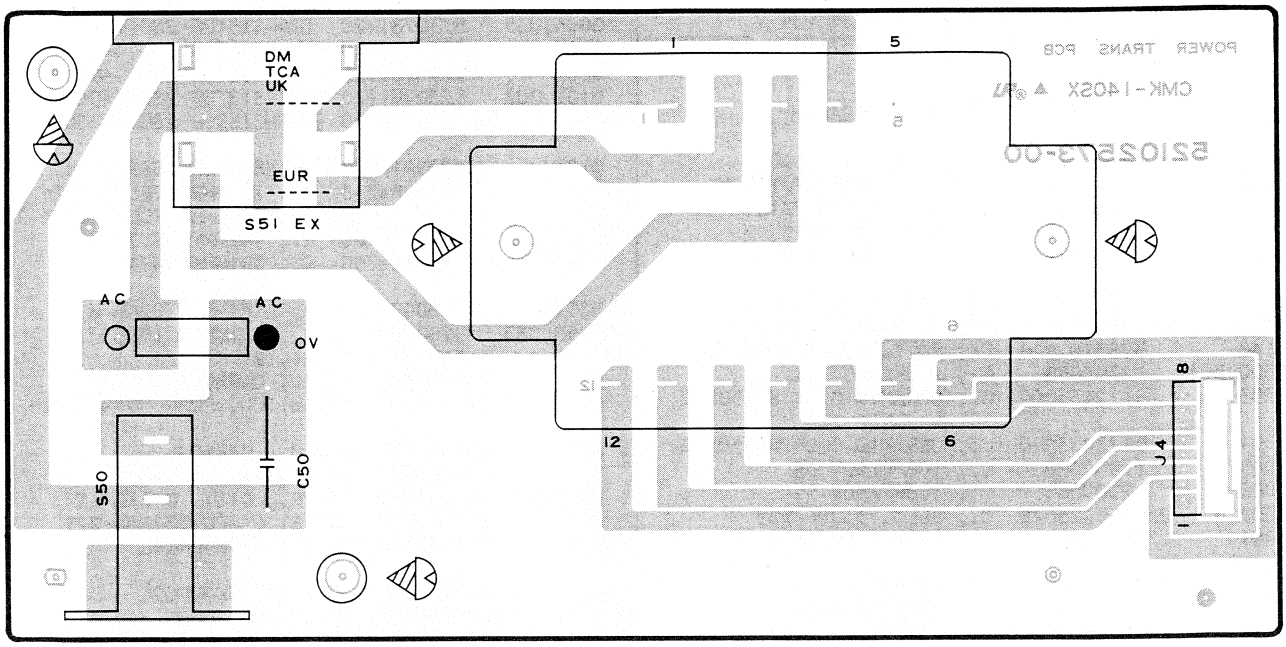
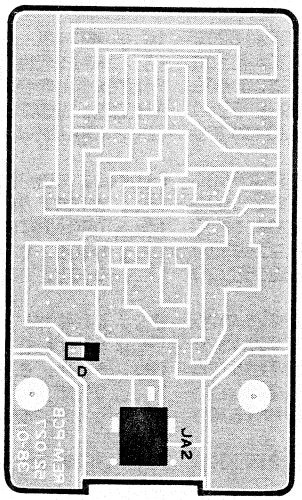
POWER TRANS. PCB ASSY



REM PCB ASSY



- PC boards shown viewed from parts side.
- プリント基板図は部品面が示されています。

MAIN PCB ASSY (V-680)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200287801	MAIN PCB ASSY [J]
	*5200287810	MAIN PCB ASSY [ALL EXCEPT J]
	*5210287800	MAIN PCB
	5800990100	HEAT SINK
	5555590000	PLATE (A), EARTH
C002,003	12907112	C., 10000PF/16V 10%
C010,011	⚠5260308600	C., ELEC. 2200UF/16V M
C014	⚠5260428110	C., ELEC. 4700UF/16V
C015	⚠5260425810	C., ELEC 470UF/16V M
C138,238	5263107220	C., POLY. 560PF/100V J
C141	5172200000	C., CERAMIC 10PF/50V T
C143,243	5263105420	C., POLY. 100PF/100V J
C148	5263102520	C., POLY. 0.0068UF/100V J
C300,301	12907088	C., 100PF/50V 5%
C303	5173435000	C., CERAMIC 0.047UF/50V Z
C004	5173435000	C., CERAMIC 0.047UF/50V Z
C005	12907088	C., 100PF/50V 5%
C006	12907088	C., 100PF/50V 5%
C007	⚠5260425510	C., ELEC. 330UF/50V M
CR01	5347011200	OSC., CERAMIC 600KHZ
CR02	5347006500	OSC., CERAMIC
D012	5224017120	DIODE, ISR139-200
D013	5224573001	DIODE, ZENER RD4.7EL3 (Ser. No. 61992 and before)
D013	5224574501	DIODE, ZENER RD7.5EL3 (Ser. No. 61993 and after)
D014	5224571801	DIODE, ZENER RD3.0EL2 (V-680 Ser. No. 61992 and before)
D014	5224572801	DIODE, ZENER RD4.7EL1 (Ser. No. 61993 and after)
D015,016	5224015020	DIODE, 1SS133T-77
D017	5224577901	DIODE, ZENER RD22EL2 FR
D018	5224574701	DIODE, ZENER RD8.2EL2 FR
D019	5224012920	DIODE, 1S2473
D020-023	⚠5224017120	DIODE, ISR139-200
D024	⚠5228010700	SILICON STACK, SIWB8(A)20
D027	5224012920	DIODE, 1S2473
D028	⚠5224017120	DIODE, ISR139-200
D101-108	5224012920	DIODE, 1S2473
D300-302	5224015020	DIODE, 1SS133T-77
J008	5330509600	JACK, PIN 4P
L101,201	5286025700	COIL, STEP UP
L102	5286031000	COIL, CHOKE 220UH LAL04KB
L103	5286031800	COIL, CHOKE 1000UH LAL04NA
L104	5286035900	COIL, OSC 100KHZ
P001	5336279400	CONN., PULG 4P IL-SDA-P
P001	5336279600	CONN., PULG 6P IL-SDA-P
P002	5336281000	CONN., PULG 20P IL-SDA-P
P003	5336280700	CONN., PULG 17P IL-SDA-P
P004	5334055100	CONN., PULG TYC-B08P-11
P005	5336245400	CONN., PULG B04B-XH-A
P006	5336245600	CONN., PULG B06B-XH-A
Q001	5231761300	TRANSISTOR 2SD734F
Q002	5145133000	TRANSISTOR 2SC-1645
Q003	5231761300	TRANSISTOR 2SD734F

MAIN PCB ASSY (V-680)

REF.NO.	PARTS NO.	DESCRIPTION
Q004,005	5230781120	TRANSISTOR 2SC1740SLN
Q006	⚠5231761300	TRANSISTOR 2SD734F
Q007	5230781120	TRANSISTOR 2SC1740SLN
Q102,202	5230781120	TRANSISTOR 2SC1740SLN
Q103,104	5230781120	TRANSISTOR 2SC1740SLN
Q105	5230019020	TRANSISTOR 2SA933SLN
R003	⚠5241284210	R., INCOMBUSTBLE 36 2W J
R010	⚠5241274510	R., INCOMBUSTBLE 47 1W J
R050,060	5280021100	R., TRIMMER 4.7KB
R051,061	5280021700	R., TRIMMER 47KB H.
R052,062	5280021500	R., TRIMMER 22KB H.
R053,063	5280021300	R., TRIMMER 10KB H.
R166	5181492000	R., 2.7K J FT
R301	5240031420	R., CARBON 22K J FT
S101	5300051800	SWITCH, PUSH 3GANG 2-2N
U004	5220411500	IC., BA6109
U005	5232255720	TR., DIGI. DTC124ES
U006,007	5232254820	TR., DIGI. DTA124ES
U008	5220817600	LSI., UPD7537ACU-223
U009	⚠5220432200	IC., M5F78M07L
U010	⚠5220432900	IC., M5F79M07L
U011	⚠5220439800	IC., L78LR05-MA
U012	5232255720	TR., DIGI. DTC124ES
U014	5242122800	R., ARRAY RYLS-3J223
U015	5232254820	TR., DIGI. DTA124ES
U101	5220439600	IC., UPC4570C
U102,202	5292805700	FILTER, LOWPASS 100KHZ
U103	5220440100	IC., HA12088ANT
U104,204	5292805200	FILTER, LOWPASS 19.8KHZ
U105	5220041100	IC., DIGITAL BU4066B
U106	5220416200	IC., M5218L
U107	5220440100	IC., HA12088ANT-01
U108,208	5292805600	FILTER, LOWPASS MPX
U109,209	5292805200	FILTER, LOWPASS 19.8KHZ
U110	5220439700	IC., CXA1198AP
U111,211	5292805900	FILTER, LOW PASS 100KHZ
U112	5232250900	TR., ARRAY BA6251
U113	5220430400	IC., UPC1297CA,
U115,215	5232255720	TR., DIGI. DTC124ES
U116,216	5232255720	TR., DIGI. DTC124ES
U117,118	5232253020	TR., DIGITAL DTA143ES
U119	5232254820	TR., DIGI. DTA124ES
U120,121	5232255720	TR., DIGI. DTC124ES
U123	5232255720	TR., DIGI. DTC124ES
U300	5220816700	UCON., UPD7566CS-134
U302	5242123000	R., ARRAY RYLA-5J223

JACK PCB (A) ASSY (V-680)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200288000	JACK PCB ASSY
	*5210288000	JACK PCB
J007	5330011600	JACK, 3P YKB21-5010

Parts marked with *require longer delivery time.

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[UK]:U.K. [A]:AUSTRALIA [GE]:GENERAL EXPORT

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MAIN PCB ASSY (V-580)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200287400	MAIN PCB ASSY [J]
	*5200287410	MAIN PCB ASSY [ALL EXCEPT J]
	*5210287400	MAIN PCB
	5800990100	HEAT SINK
	5330509600	JACK, PIN 4P
	5555590000	PLATE (A), EARTH P.C.BORD
C001	5260295750	C., ELEC. 2.2UF/50V M
C002	5173433000	C., CERAMIC 0.01UF/50V T
C003	12907112	C., CERAMIC 10000PF/16V 10%
C005,006	12907088	C., CERAMIC 100PF/50V 5%
C007	⚠5260425510	C., ELEC. 330UF/50V M AS
C010,011	⚠5260308600	C., ELEC. 2200UF/16V M PS
C014	⚠5260428110	C., ELEC. 4700UF/16V
C015	⚠5260427010	C., ELEC. 2200UF/16V M AS
C016	12907112	C., CERAMIC 10000PF/16V 10%
C101,201	5263107720	C., POLY. 910PF/100V J
C300,301	12907088	C., 100PF/50V 5%
C303	5173435000	C., CERAMIC 0.047UF 50V
CR01	5347011200	OSC., CERAMIC 600KHZ
CR02	5347006500	OSC., CERAMIC
D012	5224017120	DIODE, ISR139-200
D013	5224573001	DIODE, ZENER RD4.7EL3
D014	5224571801	DIODE, ZENER RD3.0FL2
D015,016	5224015020	DIODE, ISS133T-77
D017	5224577901	DIODE, ZENER RD22EL2
D018	5224574701	DIODE, ZENER RD8.2EL2
D019-023	⚠5224017120	DIODE, ISR139-200 T-31
D024	⚠5228010700	SILICON STACK, SIWB8(A)20
D028	⚠5224017120	DIODE, ISR139-200 T-31
D101-104	5224015020	DIODE, ISS133T-77
D105-108	5224012920	DIODE, IS2473
D109	5224015020	DIODE, ISS133T-77
D300-302	5224015020	DIODE, ISS133T-77
L101	5286031000	COIL, CHOKE 220UH LAL04KB
L102	5286031800	COIL, CHOKE 1000UH LAL04NA
L103,203	5286036100	COIL, STEP UP
L104	5286035900	COIL, OSC 100KHZ
P001	5336279400	CONN., PULG 4P IL-SDA-P
P001	5336279600	CONN., PULG 6P IL-SDA-P
P002	5336281000	CONN., PULG 20P IL-SDA-P
P003	5336280700	CONN., PULG 17P IL-SDA-P
P004	5336245600	CONN., PULG B06B-XH-A
P005	5336245300	CONN., PULG B03B-XH-A
P006	5334055100	CONN., PULG TYC-B08P-11
Q001	5231761300	TRANSISTOR, 2SD734F
Q002	5145133000	TRANSISTOR, 2SC-1645
Q003	5231761300	TRANSISTOR, 2SD734F
Q004,005	5230781120	TRANSISTOR, 2SC1740SLN
Q006	⚠5231761300	TRANSISTOR, 2SD734F
Q007	5230781120	TRANSISTOR, 2SC1740SLN
Q101-104	5230781120	TRANSISTOR, 2SC1740SLN
Q105	5230019020	TRANSISTOR, 2SA933SLN
Q201,202	5230781120	TRANSISTOR, 2SC1740SLN
R003	⚠5241284210	R., INCOMBUSTBLE 36 2W J
R010	⚠5241274510	R., UNCOMBUSTBLE 47 1W J

MAIN PCB ASSY (V-580)

REF.NO.	PARTS NO.	DESCRIPTION
R051,061	5280021700	R., TRIMMER 47KB H.
R052,062	5280021500	R., TRIMMER 22KB H.
R053,063	5280021700	R., TRIMMER,47KB H.
R056,066	5280021300	R., TRIMMER 10KB H.
R301	5240031420	R., CARBON 22K
S012	5300051700	SWITCH, PUSH 2GANG 2-2N
U004	5220411500	IC., BA6109
U005	5232255720	TR., DIGI. DTC124ES
U006,007	5232254820	TR., DIGI. DTA124ES
U008	5220817600	LSI., UCOM. UPD7537ACU-223
U009	⚠5220432200	IC., M5F78M07L
U010	⚠5220432900	IC., M5F79M07L
U011	⚠5220439800	IC., L78LR05-MA
U012	5232255720	TR., DIGI. DTC124ES
U013	5232254820	TR., DIGI. DTA124ES
U014	5242122800	R., ARRAY RYLS-3J223
U015	5232254820	TR., DIGI. DTA124ES
U101	5220439600	IC., UPC4570C
U102,202	5292806800	FILTER, LOWPASS 19KHZ
U103,203	5292805200	FILTER, LOWPASS 19.8KHZ
U104	5220440100	IC., HA12088ANT-01
U105,205	5232255720	TR., DIGI. DTC124ES
U106,206	5232255720	TR., DIGI. DTC124ES
U107,207	5292805900	FILTER, LOW PASS 100KHZ
U108	5220439700	IC., CXA1198AP
U109	5232250900	TR., ARRAY BA6251
U110,111	5232253020	TR., DIGITAL DTA143ES
U112	5232254820	TR., DIGI. DTA124ES
U113-115	5232255720	TR.,DIGI. DTC124ES
U116	5220430400	IC., UPC1297CA
U117	5220416200	IC., M5218L
U118	5232255720	TR., DIGI. DTC124ES
U119	5220439900	IC., UPC1330HA
U120	5232255720	TR., DIGI. DTC124ES
U300	5220816700	IC., UCOM. UPD7566CS-134
U302	5242123000	R., ARRAY RYLA-5J223

JACK PCB ASSY (V-580)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200287600	JACK PCB ASSY (V-580)
	*5210287600	JACK PCB
	5330011600	JACK, 3P YKB21-5010

Parts marked with *require longer delivery time.

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[UK]:U.K. [A]:AUSTRALIA [GE]:GENERAL EXPORT

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DISPLAY PCB ASSY (V-680)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200287900	DISPLAY PCB ASSY [J]
	*5200287910	DISPLAY PCB ASSY [ALL EXCEPT J]
	*5210287900	DISPLAY PCB
	5800809101	HOLDER, METER
	5292209500	MODULE, REMO-CON. SBX1483-52
C149,249	5260421620	C., ELEC. 4.7UF/50V M
C150	5260421820	C., ELEC. 10UF/25V M
C151,251	5260421020	C., ELEC. 0.68UF/50V M
D001-011	5224012920	DIODE, 1S2473
FL01	5347004000	FL DISPLAY, FIP60AW12Y
J001	5336281400	CONN., SOCKET 4P IL-SDA-S
J001	5336281600	CONN., SOCKET 6P IL-SDA-S
J002	5336283000	CONN., SOCKET 20P IL-SDA-S
J003	5336282700	CONN., SOCKET 17P IL-SDA-S
R175,275	5240032220	R., CARBON 47K J FT
R054	5283506800	VR., 100KAX2/5KB 3-BLOCK
R055	5282414800	VR., 100KAX2 1S1UVR 14
S001-009	5302103200	SWITCH, TACT KHH10910
S010	5300916400	SWITCH, SLIDE 1-3 SSSU01
S011	5302103200	SWITCH, TACT KHH10910
U001	5220041000	IC., HA12067NT
U002	5232252800	TR., ARRAY LB1292
U003	5232252900	TR., ARRAY LB1290

DISPLAY PCB ASSY (V-580)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200287500	DISPLAY PCB ASSY [J]
	*5200287510	DISPLAY PCB ASSY [ALL EXCEPT J]
	*5210287500	DISPLAY PCB
	5800809101	HOLDER, METER
	5292209500	MODULE, REMO-CON. SBX1483-52
C149,249	5260421620	C., ELEC. 4.7UF/50V M AS
C150	5260421820	C., EREC. 10UF/25V M
C151,251	5260421020	C., ELEC. 0.68UF/50V M
D001-010	5224012920	DIODE, 1S2473
FL01	5347004000	FL DISPLAY, FIP60AW12Y
J001	5336281400	CONN., SOCKET 4P IL-SDA-S
J001	5336281600	CONN., SOCKET 6P IL-SDA-S
J002	5336283000	CONN., SOCKET 20P IL-SDA-S
J003	5336282700	CONN., SOCKET 17P IL-SDA-S
R054	5283506800	VR., 100KAX2/5KB 3-BLOCK
R055	5282414800	VR., 100KAX2 1S1UVR
R175,275	5240032220	R., CARBON 47K J
S001-009	5302103200	SWITCH, TACT KHH10910
S010	5300916400	SWITCH, SLIDE 1-3 SSSU01
U001	5220041000	IC., HA12067NT,
U002	5232252800	TR., ARRAY LB1292
U003	5232252900	TR., ARRAY LB1290

POWER TRANS PCB ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	*5200257300	POWER TRANS PCB ASSY [J]
	*5200257310	POWER TRANS PCB ASSY [US,C]
	*5200257320	POWER TRANS PCB ASSY [GE]
	*5200257330	POWER TRANS PCB ASSY [E]
	*5200257340	POWER TRANS PCB ASSY [UK]
	*5200257350	POWER TRANS PCB ASSY [A]
	*5210257300	POWER TRANS PCB
	5320050700	TRANSFORMER, POWER [J]
	5320050800	TRANSFORMER, POWER [US]
	5320050900	TRANSFORMER, POWER [GE]
	5320051000	TRANSFORMER, POWER [E]
	5327007200	TERMINAL, 2P
	*5350015200	CORD, AC [J]
	*5350010800	CORD, AC UL SPT-1 [US,C,GE]
	*5350011700	CORD, AC CEE CLASS-2 [E]
	*5128047000	CORD, AC [UK]
	*5350008300	CORD, AC ASS [A]
C050	5267704000	SPARK, KILLER 0.0047UF/250V
J004	5334049700	CONN., SOCKET 8P TYC-BX-A1
S050	5300051900	SWICH, PUSH 1-1
S051	5332019900	SELECTOR, VOLTGE 1-3 FS908E [GE]

REMO-CON. PCB (A) ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	*5200288100	REMO-CON. PCB ASSY
	*5210273801	REMO-CON. PCB
	5330015100	JACK, IP YKB21-5129
	5336126200	CONN., PULG 2P 8263-0212 WHT

As regards the resistors and capacitors, refer to the circuit diagrams contained in this manual.

標準の抵抗：コンデンサーは省略してあります。回路図を参照してください。

Parts marked with *require longer delivery time.

[J]:JAPAN [US]:U.S.A. [C]:CANADA [E]:EUROPE
[UK]:U.K. [A]:AUSTRALIA [GE]:GENERAL EXPORT

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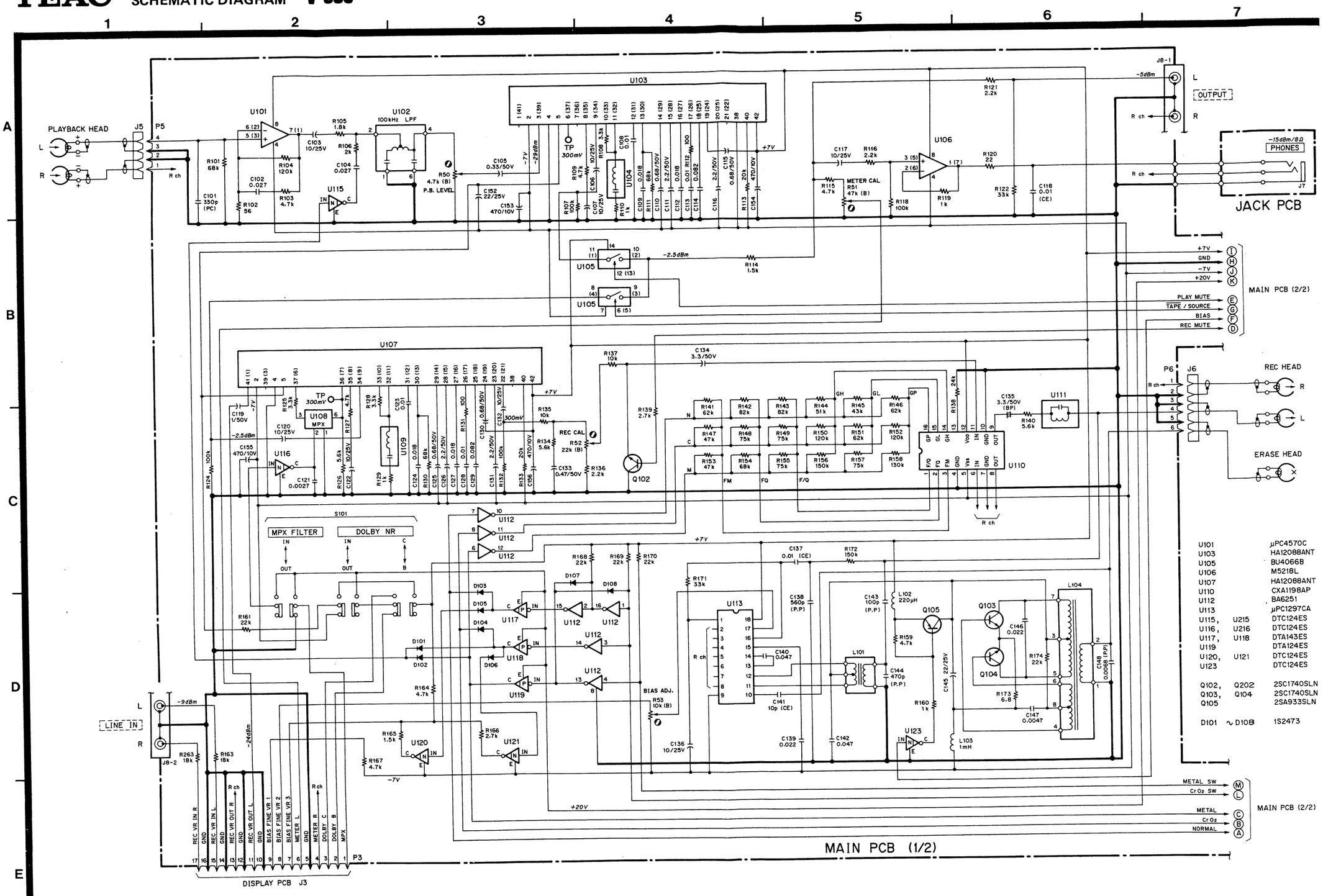
TEAC SCHEMATIC DIAGRAM V-680



U101		μPC4570C
U103		HA12088ANT
U105		BU4066B
U106		M5218L
U107		HA12088ANT
U110		CXA1198AP
U112		BA6251
U113		μPC1297CA
U115,	U215	DTC124ES
U116,	U216	DTC124ES
U117,	U118	DTA143ES
U119		DTA124ES
U120,	U121	DTC124ES
U123		DTC124ES
Q102,	Q202	2SC1740SLN
Q103,	Q104	2SC1740SLN
Q105		2SA933SLN
D101	∿ D108	1S2473

INSTRUCTIONS FOR SERVICE PERSONNEL

BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPLOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

NOTES

1. Resistor values are in ohms (k=kilo-ohms, M=megohms).
2. Capacitor values are in microfarads (p=picofarads).
3. ⚠ Parts marked with this sign are safety critical components. They must always be replaced with identical components-refer to the appropriate parts list and ensure exact replacement.

注意

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2. コンデンサの単位はμF(p=pF)です.
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V-680 STEREO CASSETTE DECK

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MAIN PCB (2/2)

U4	BA6109
U5	DTC124
U6, U7	DTA124
U8	μPD7537ACU
U9	M5F78M07L
U10	M5F79M07L
U11	L78LR05
U12	DTC124
U15	DTA124
U300	μPD7566CS
Q1	2SD734F
Q2	2SC1645B
Q3	2SD734F
Q4, Q5	2SC1740SLN
Q6	2SD734F
Q7	2SC1740SLN
D12	1SR139-200
D13	RD4.7EL3 (RD7.5EL3 Ser. No. 61996 and later)
D14	RD3.0EL2 (RD4.7EL1 Ser. No. 61996 and later)
D15, D16	1SS133T-77
D17	RD22EL2
D18	RD8.2EL2
D19	1S2473
D20 ∿ D23	1SR139-200
D24	S1WB(A)20
D28	1SR139-200
D300	1SS133T-77
D301, D302	1SS133T-77 (ALL EXCEPT JAPAN)

DISPLAY PCB

U1	HA12067
U2	LB1292
U3	LB1290
U303	SBX1483-52
D1 ∿ D11	1S2473

ALL EXCEPT JAPAN

REMOTE CONTROL JA306

REMOTE PCB

CAPSTAN MOTOR

SOLENOID

REEL MOTOR

REEL PULSE GP2S09B

TAPE

REC A

Cr O2 METAL

REMOTE SENSOR U303

FL1 FIP60AW12Y

DISPLAY PCB

MAIN PCB (1/2) P3

MAIN PCB (2/2)

U.K., AUSTRALIA

AUSTRALIA

U.K. BRN (LIVE) BLU (NEUTRAL)

240V

POWER TRANS PCB

U.S.A., CANADA, JAPAN

U.S.A. 120V CANADA 120V JAPAN 100V

POWER TRANS PCB

GENERAL EXPORT

240V 220V 120V

POWER TRANS PCB

EUROPE

220V

POWER TRANS PCB

NORMAL Cr O2 METAL REC MUTE PLAY MUTE BIAS TAPE/SOURCE GND +7V -7V +20V Cr O2 SW METAL SW

MAIN PCB (1/2)

INSTRUCTIONS FOR SERVICE PERSONNEL

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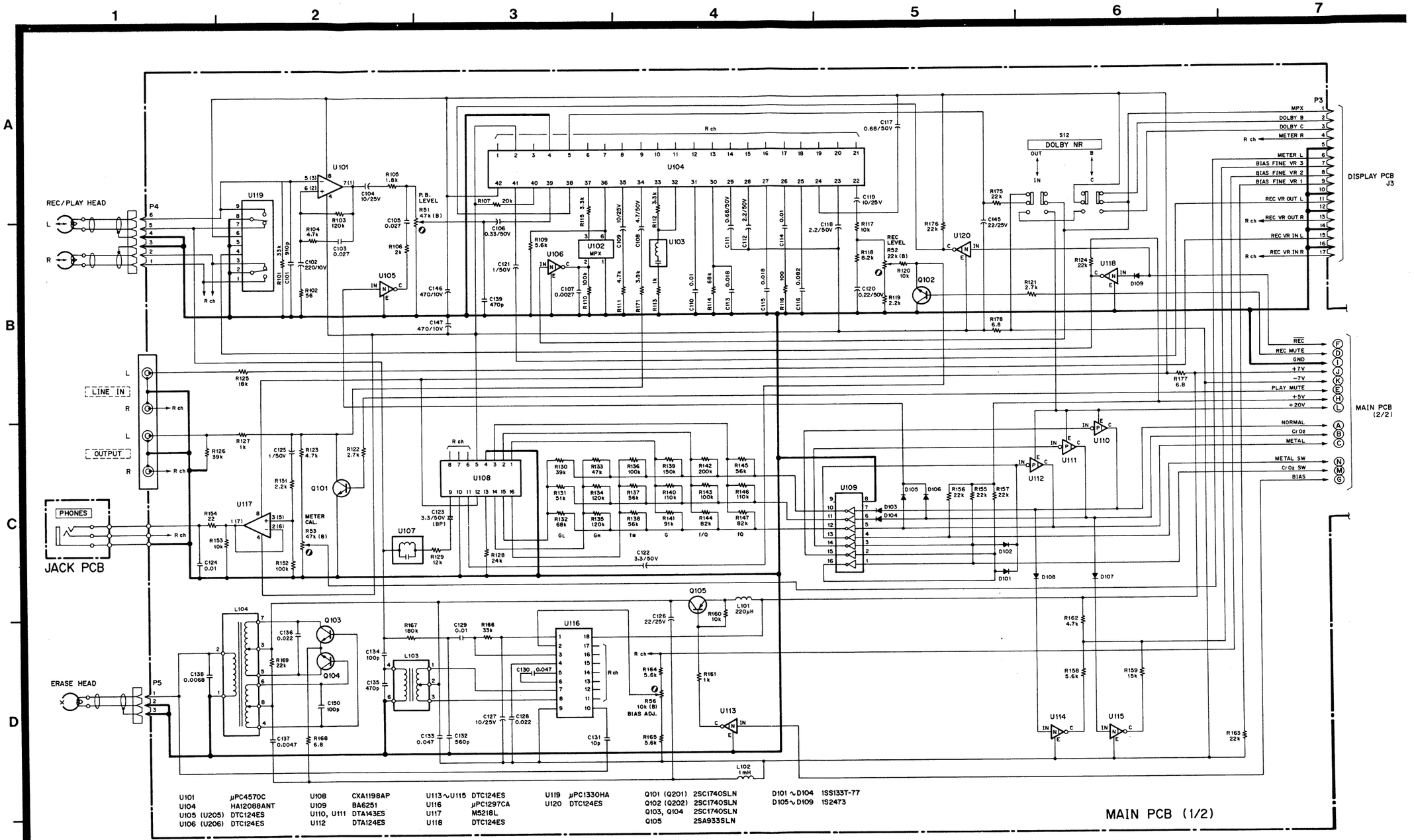

U101 µPC4570C
U104 HA12088ANT
U105 (U205) DTC124ES
U106 (U206) DTC124ES
U108 CXA1198AP
U109 BA6251
U110, U111 DTA143ES
U112 DTA124ES
U113∿U115 DTC124ES
U116 µPC1297CA
U117 M5218L
U118 DTC124ES
U119 µPC1330HA
U120 DTC124ES
Q101 (Q201) 2SC1740SLN
Q102 (Q202) 2SC1740SLN
Q103, Q104 2SC1740SLN
Q105 2SA933SLN
D101∿D104 1SS133T-77
D105∿D109 1S2473

INSTRUCTIONS FOR SERVICE PERSONNEL

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V-580 STEREO CASSETTE DECK

1st Issue ; October 1989

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1 2 3 4 5 6 7

A B C D E

MAIN PCB (2/2)

U4	BA6109
U5	DTC124
U6, U7	DTA124
U8	μPD7537ACU
U9	M5F78M07L
U10	M5F79M07L
U11	L78LR05
U12	DTC124
U13, U15	DTA124
U300	μPD7566CS
Q1	2SD734F
Q2	2SC1645B
Q3	2SD734F
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Q6	2SD734F
Q7	2SC1740SLN
D12	1SR139-200
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D14	RD3.0EL2
D15, D16	1SS133T-77
D17	RD22EL2
D18	RD8.2EL2
D19	1S2473
D20 ∿ D23	1SR139-200
D24	S1WB(A)20
D28	1SR139-200
D300	1SS133T-77
D301, D302	1SS133T-77 (ALL EXCEPT JAPAN)

DISPLAY PCB

U1	HA12067
U2	LB1292
U3	LB1290
U303	SBX1483-52
D1 ∿ D10	1S2473

ALL EXCEPT JAPAN

REMOTE CONTROL JA300

REMOTE PCB

CAPSTAN MOTOR

SOLENOID

REEL MOTOR

REEL PULSE GP2S09B

TAPE

REC A

Cr O2

METAL

REMOTE SENSOR U303

FL1 FIP60AW12Y

PEAK LEVEL METER (dB)

DISPLAY PCB

MAIN PCB (1/2) P3

MAIN PCB (1/2)

U.K., AUSTRALIA

AUSTRALIA

U.K.

BRN (LIVE)

BLU (NEUTRAL)

POWER TRANS PCB

U.S.A., CANADA, JAPAN

U.S.A. 120V
CANADA 120V
JAPAN 100V

POWER TRANS PCB

GENERAL EXPORT

240V
220V
120V

POWER TRANS PCB

EUROPE

220V

POWER TRANS PCB

MAIN PCB (2/2)

INSTRUCTIONS FOR SERVICE PERSONNEL

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