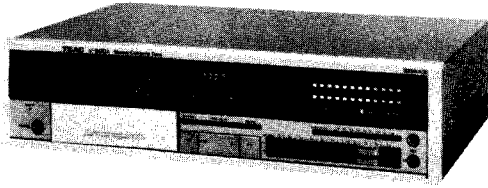


TEAC®



SERVICE MANUAL

V-500X/V-400X

Stereo Cassette Deck

1 SPECIFICATIONS AND SERVICE DATA

仕様およびサービス・データ

Notes:

1. Improvements may result in changes in specifications and service data.
2. 0 dB is referenced to 0.775 V in this manual.

SPECIFICATIONS

Track System 4-track, 2-channel stereo

2 Heads Erase, record/playback

Type of Tape Cassette tape, C-60 and C-90 (philips type)

Tape Speed 4.8 cm/s (1-7/8 ips)

Input (level and impedance)

MIC: Specified input level: -57 dB (1.09 mV)/10 kohms
Min. input level: -67 dB (346 μ V)

LINE IN: Specified input level: -9 dB (275 mV)/50 kohms
Min. input level: -19 dB (86.9 mV)

Output (level and load impedance)

OUTPUT: Spec. output level: -3 dB (548 mV)/50 kohms

PHONES: Spec. output level: -19 dB (86.9 mV)/8 ohms

Equalization

METAL: 3180 μ s + 70 μ s

CrO₂: 3180 μ s + 70 μ s

NORMAL: 3180 μ s + 120 μ s

Head Configuration

1/2-track, 1-channel erase head

1/4-track, 2-channel record/playback head

Motor 1 DC servo motor

Bias Frequency 85 kHz $\pm$ 5 kHz

Operation position Horizontal

Power Requirements

100/120/220/240 V AC, 50/60 Hz (General Export Model)

120 V AC, 60 Hz (U.S.A./Canada)

220 V AC, 50 Hz (Europe)

240 V AC, 50 Hz (U.K./Australia)

100 V AC, 50/60 Hz (JAPAN)

Power Consumption

20W (V-500X), 19W (V-400X)

Weight 5.4 kg (11-7/8 lbs.) net

注:

1. 仕様およびサービス・データは改善のため予告なく変更することがあります。
2. 本マニュアルでは0dBは0.775Vを基準としています。

SERVICE DATA

MECHANICAL

Tape Speed Deviation 3,000 Hz $\pm$ 75 Hz

Tape Speed Drift 45 Hz

Wow and Flutter

Playback: 0.12% (WRMS)

Record/Playback: 0.30% (RMS)

Pinch Roller Pressure 250 g to 350 g (8.8 oz to 12.4 oz)

Reel Torque

Take-up: 40 to 65 g-cm (0.555 to 0.903 oz-inch)

Supply: 2 to 6 g-cm (0.0278 to 0.0833 oz-inch)

F.F.: 70 to 140 g-cm (0.97 to 1.94 oz-inch)

REW: 70 to 140 g-cm (0.97 to 1.94 oz-inch)

Fast Wind Time

95 sec. or less for MTT-501 (C-60)

Auto End-stop Time 5 sec. or less

ELECTRICAL

Frequency Response

See Figs. 5-5 to 5-7.

Signal-to-noise Ratio

Playback **NORMAL:** 48 dB min.

Record/Playback

METAL, CrO₂: 47 dB min.

NORMAL: 46 dB min.

S/N is improved by 5 dB at 1 kHz and 10 dB above 5 kHz when Dolby NR* (B-type) is used.

Erase Efficiency 65 dB min. at 1 kHz (measured with input 10 dB higher than the specified input level).

Channel Separation 35 dB min. at 1 kHz

Adjacent Track Crosstalk 60 dB min. at 125 Hz

Total Harmonic Distortion 2.0% or less with METAL, CrO₂
2.5% or less with NORMAL

- 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.
- dbx Noise Reduction system made under license from dbx Incorporated. The name "dbx" and the dbx symbol are trademarks of dbx Incorporated.

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.

- *ドルビー・ノイズ・リダクション・システムは、ドルビー・ラボラトリーズ・ライセンシング・コーポレーションからの実施権に基づいて製造されています。
- *ドルビーおよび DD は、ドルビー・ラボラトリーズ・ライセンシング・コーポレーションの登録商標です。
- *dbxおよびdbxマークは、dbxインコーポレーテッドの登録商標です。
- *dbxシステムは、dbxインコーポレーテッドの実施権に基づいて製造されています。

注意

△印は安全重要部品です。交換する場合は必ずティアックの指定部品を使用してください。

2 CASE AND FRONT PANEL REMOVAL

外装部品のはずし方

Disassemble in number-order

番号順にはずしてください。

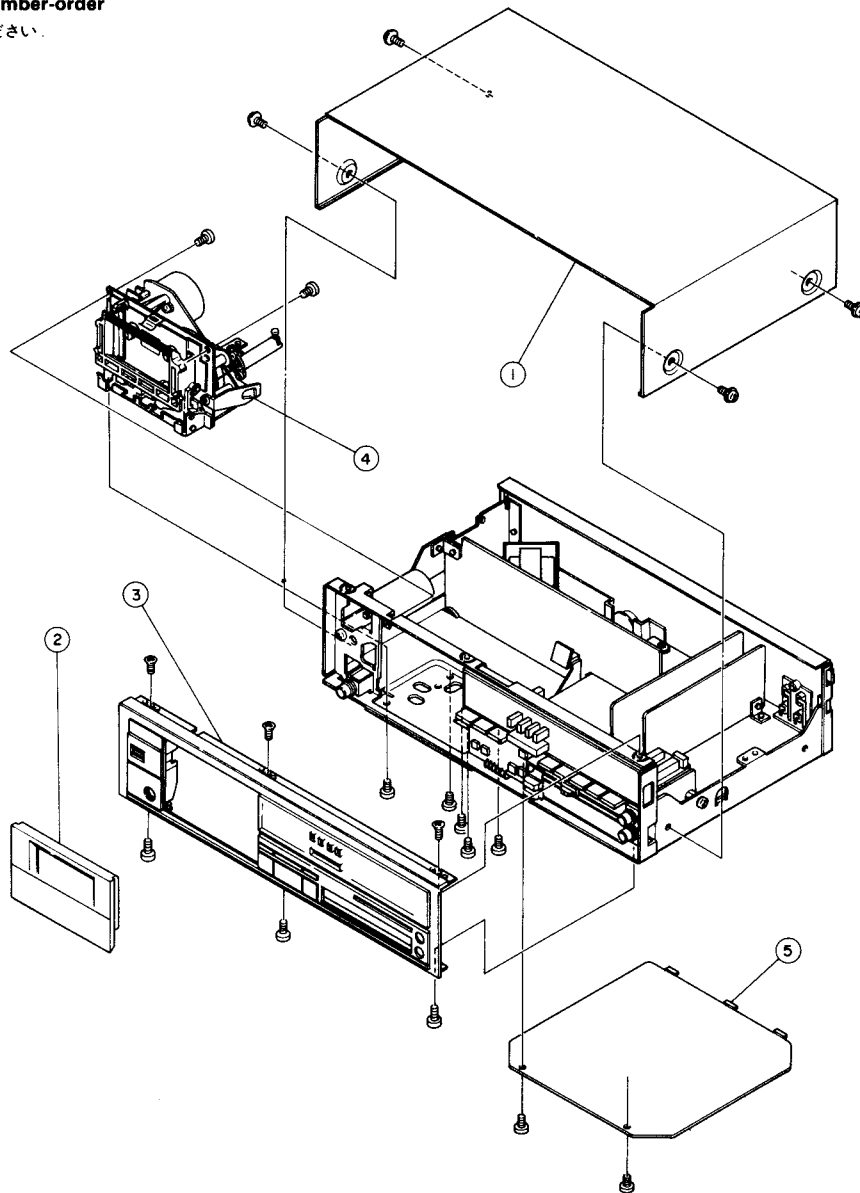


Fig. 2-1

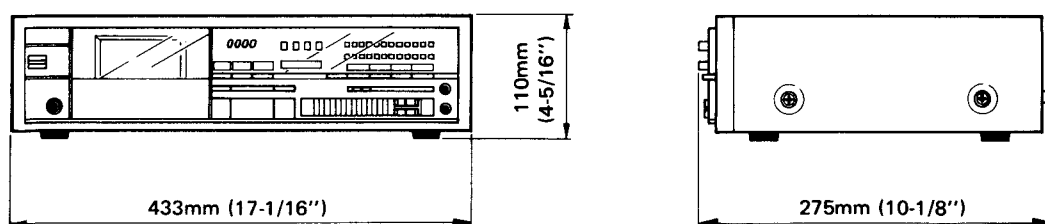


Fig. 2-2

3 PARTS LOCATION

部品配置図

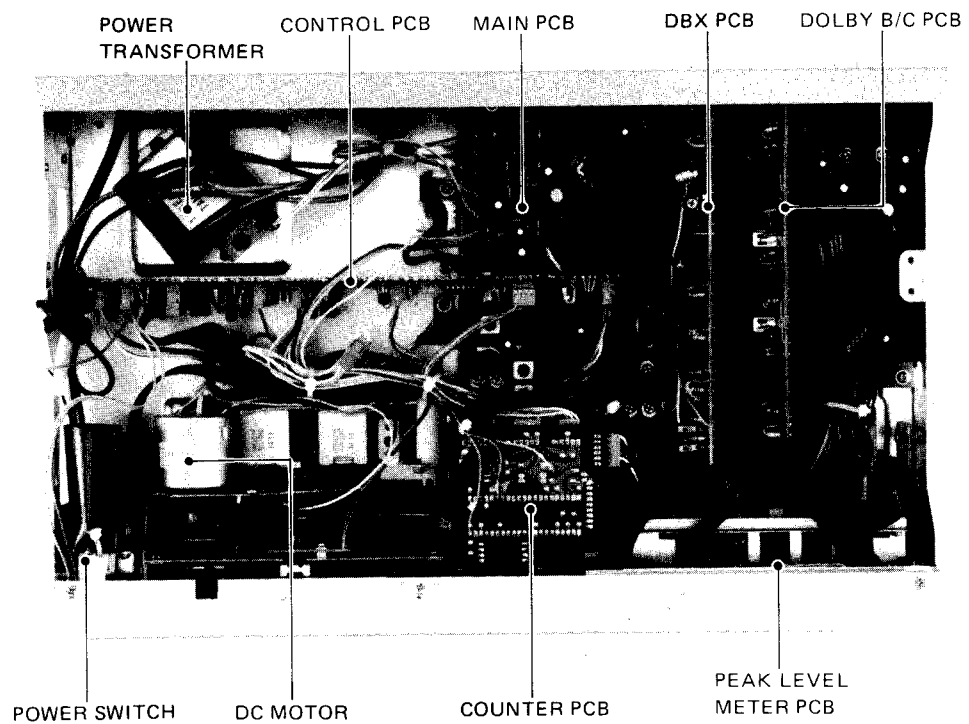


Fig. 3-1 Top view (V-500X)

V-500X上面

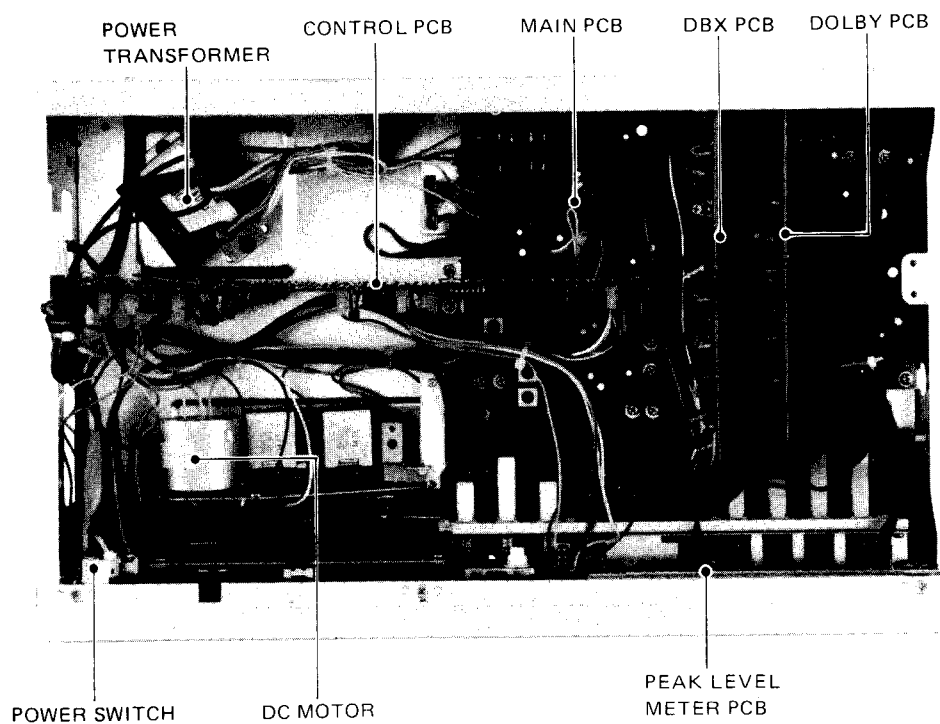


Fig. 3-2 Top view (V-400X)

V-400X上面

4 MECHANICAL ADJUSTMENTS AND CHECKS

機構部の調整および確認

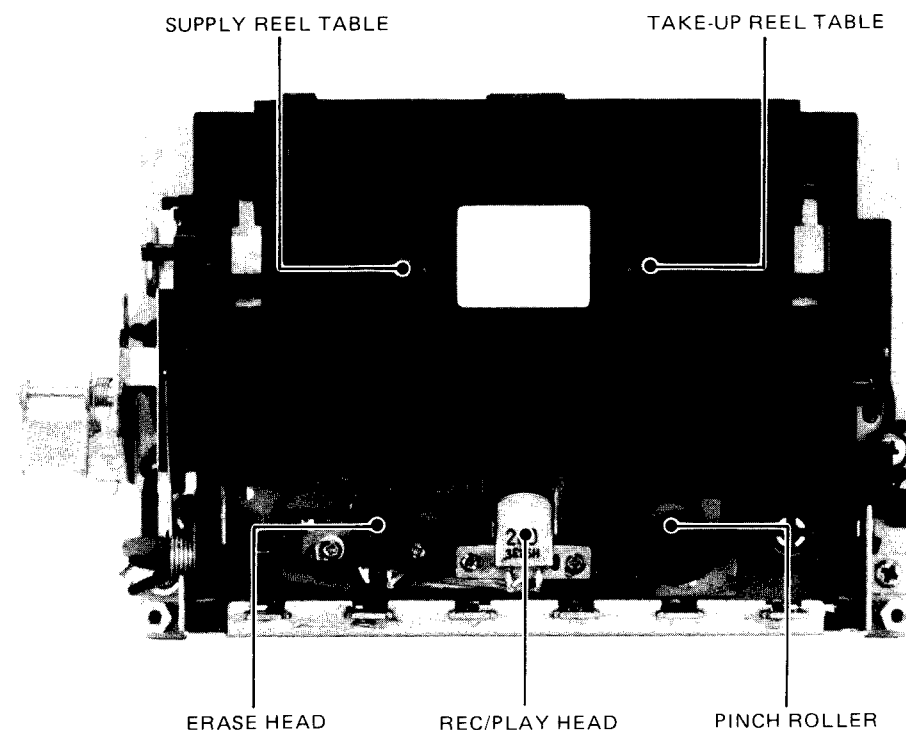


Fig. 3-3 Transport front view
トランスポート部前面

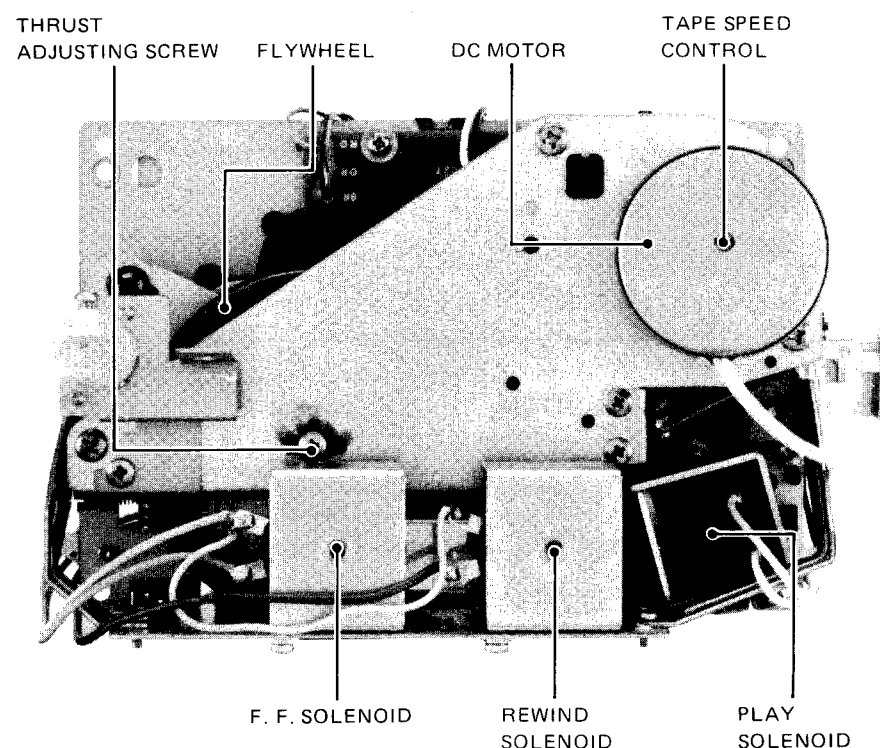


Fig. 3-4 Transport rear view
トランスポート部後面

4-1 CAPSTAN ASSEMBLY THRUST

1. Turn the thrust adjusting screw so that thrust of the capstan shaft is from 0.1 mm to 0.3 mm. For the thrust adjusting screw location, see Fig. 3-4.

4-2 TAPE SPEED

1. Connect a frequency counter to the deck as shown in Fig. 4-1.
2. Simply press POWER switch to ON to rotate the motor, then continue the motor rotation 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 middle of the test tape.
4. While the tape is playing, use a common slotted screwdriver with the handle completely insulated from the blade, and adjust the control built into the motor (see Fig. 3-4.) for a reading of 2,985 to 3,015 Hz on the frequency counter.
5. Play the tape at the beginning and at the end, and check that the speed deviation is within the prescribed limits by observing that the reading on the frequency counter never deviates more than ± 75 Hz from 3,000 Hz, nor drifts more than 45 Hz at any given time.

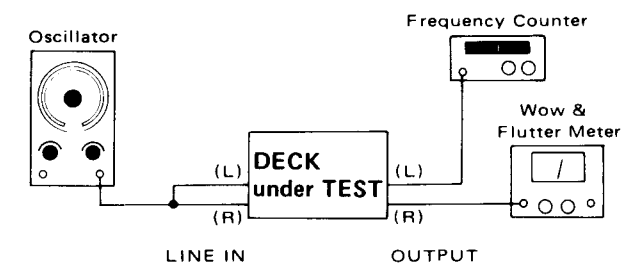


Fig. 4-1

4-3 WOW AND FLUTTER

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

1) PLAYBACK

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 reading on the wow-and-flutter meter is within 0.12% (WRMS).

2) RECORD/PLAYBACK

4. Load a TEAC MTT-501 test tape (blank) and record a 3,000 Hz signal.
5. Rewind the tape to the beginning of the recorded section, and play it.
6. The wow-and-flutter should not be more than 0.30% (RMS).

1. キャプスタンのスラスト調整

スラスト調整ねじ (Fig. 3-4 参照) でスラストのガタを 0.1~0.3 mm の範囲内に調整。

2. テープ速度調整

MTT-111 テープを再生し、再生周波数が $3,000 \pm 15$ Hz の範囲内であることを確認する。

3. ワウ・フラッター・チェック

再生法	WRMS	0.12%	MTT-111 使用
録再法	RMS	0.30%	MTT-501 使用

4-4 VOLTAGE CONVERSION (General Export Models only)

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

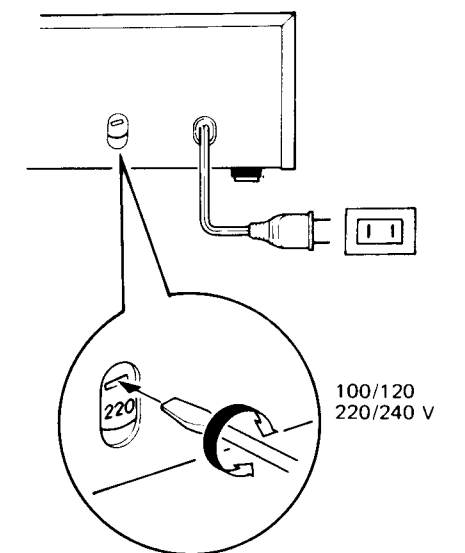


Fig. 4-2

5 ELECTRICAL ADJUSTMENTS AND CHECKS

アンプ部の調整と確認

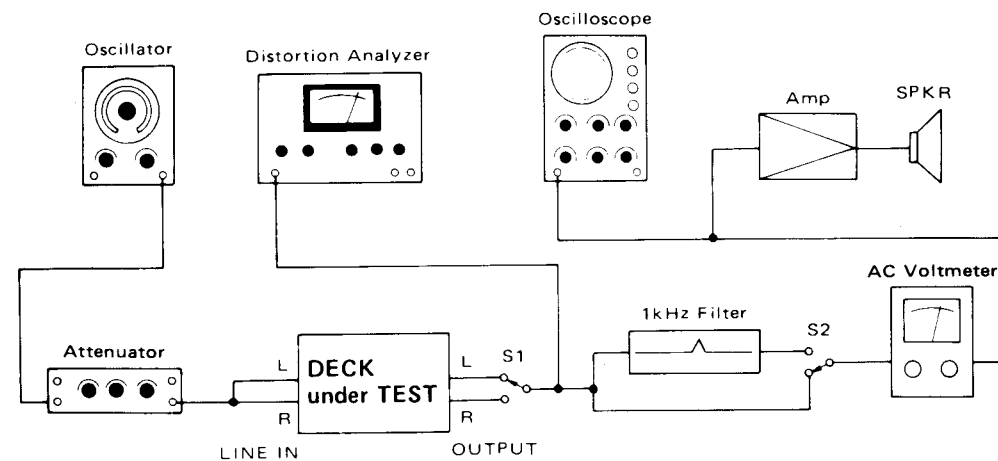


Fig. 5-1 Basic test setup

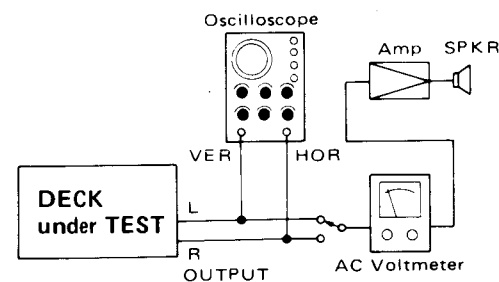


Fig. 5-2 Test setup for azimuth check

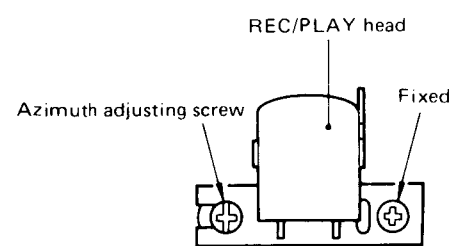


Fig. 5-3 Azimuth screw location

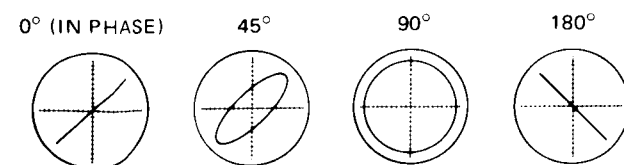


Fig. 5-4 Confirming phase relationship

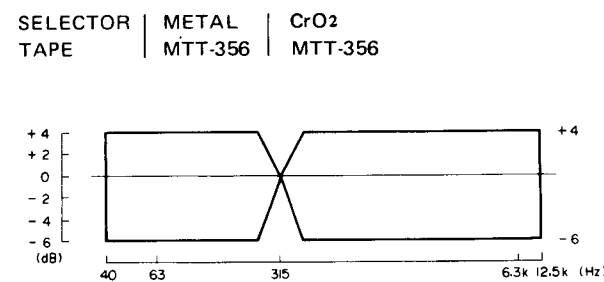


Fig. 5-5 Playback frequency response

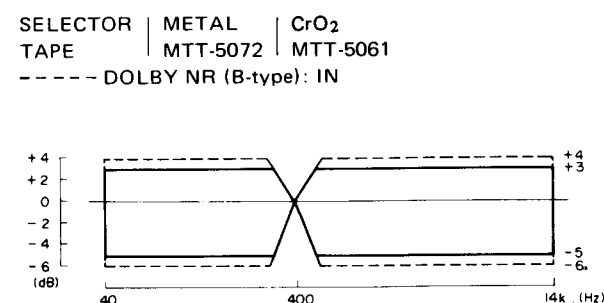


Fig. 5-6 Overall frequency response [METAL], [CrO2]

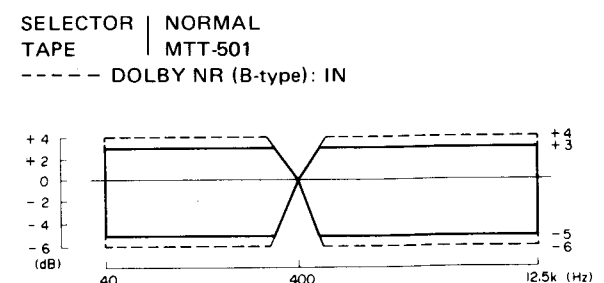


Fig. 5-7 Overall frequency response [NORMAL]

PRECAUTIONS

- Before performing adjustments and checks, clean and demagnetize the entire tape path.
- Make sure the deck is properly set for the voltage in your locality.
- In general, adjustments and checks are made in the order of L-ch then R-ch. Double REF. Nos. and test point designations indicate L-ch/R-ch. (Example: R11/R21)
- 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.
- The AC voltmeter used in the procedures must have an input impedance of 1 M-ohms or more.
- Note the "Deck settings" at the top of each chart. The settings apply to all checks for a specific chart unless explicitly stated otherwise.

Deck settings:
TAPE SELECTOR sw: METAL
NR SYSTEM sw: OUT
OUTPUT cont.: 10 (MAX)

TEAC test tapes:
MTT-150: For Dolby level calibration
MTT-356: For playback frequency response check for METAL, CrO2
MTT-501: For S/N check with NORMAL

5-1 PLAYBACK PERFORMANCE

ITEM	SETTING	INPUT SIGNAL	ADJUST (or CHECK)	MEASURING POINT RESULT	REMARKS
1. REC/PLAY head azimuth	Connection: Fig. 5-2	MTT-150	Check	OUTPUT: Phase: within 45°	Refer to Fig. 5-4.
		MTT-356 (10 kHz)	Azimuth screw of R/P head (Fig. 5-3)	OUTPUT: Max. output at L-& R-ch's (on VTVM)	
2. Specified output level	—	MTT-150	SR101/SR201	T.P (DOLBY) V-500X: 245 mV (-10 dB) V-400X: 580 mV (-2.5 dB)	
		MTT-150	OUTPUT cont.	OUTPUT: -3 dB $\pm$ 1 dB (489 to 615 mV)	Spec. output level
3. Peak level display	—	MTT-150	SR104/SR204	PEAK LEVEL DISPLAY: 0 dB	
4. Frequency response	TAPE sw: METAL or CrO2	MTT-356	Check	OUTPUT: Fig. 5-5	
	TAPE sw: NORMAL	MTT-356	Check	OUTPUT: At 10 kHz, should be approx. 4 dB higher than measured in above step.	
5. Signal-to-noise ratio	TAPE sw: NORMAL Play-pause mode	Fully-erased MTT-501 tape (Use bulk tape eraser.)	Check	OUTPUT: 48 dB min.	Ratio of spec. output of -3dB to noise.

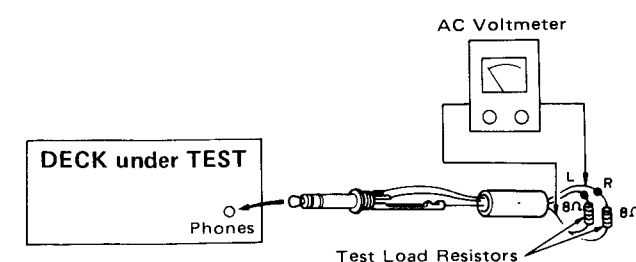


Fig. 5-8 Test setup for headphone check

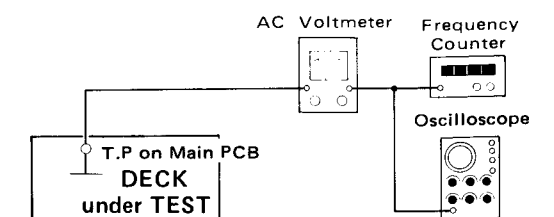


Fig. 5-9 Test setup for bias trap adjustment

Deck settings:
 RECORD-PAUSE mode
 NR SYSTEM sw: OUT
 OUTPUT cont.: Specified position (item 2)

5-2 MONITOR PERFORMANCE

ITEM	SETTING	INPUT SIGNAL	ADJUST (or CHECK)	MEASURING POINT RESULT	REMARKS
6. Min. input level	RECORD cont. (L/R): MAX	MIC: 400 Hz/−67 dB (346 μV) LINE IN: 400 Hz/−19 dB (86.9 mV)	Check	OUTPUT: −3 dB ±3 dB (388 mV to 775 mV)	MIC min. input level LINE min. input level
7. Specified LINE input level	—	LINE IN: 400 Hz/−9 dB (275 mV)	RECORD cont. (L/R)	T.P. (DOLBY) V-500X: 245 mV (−10 dB) V-400X: 580 mV (−2.5 dB)	Specified setting of RECORD cont. Specified LINE input level.
	—	LINE IN: 400 Hz/−9 dB (275 mV)	Check	OUTPUT: −3 dB ±1.5 dB (461 mV to 652 mV)	
	IMPORTANT: Do not change the setting of the RECORD controls after establishing their setting as above.				
8. Peak level display	—	LINE IN: 400 Hz/−9 dB (275 mV)	Check	PEAK LEVEL DISPLAY: 0 dB	
9. Headphone output level	Connection: Fig. 5-8	LINE IN: 400 Hz/−9 dB (275 mV)	Check	PHONES: −19 dB ±3 dB (61.5 mV to 109 mV)	8 ohm load

Deck settings:
 NR SYSTEM sw: OUT
 RECORD cont. (L/R): Specified position (item 7)
 OUTPUT cont.: Specified position (item 2)

TEAC recording test tapes:
 MTT-5072: For METAL
 MTT-5061: For CrO₂
 MTT-501: For NORMAL

5-3 RECORDING PERFORMANCE

ITEM	SETTING	INPUT SIGNAL	ADJUST (or CHECK)	MEASURING POINT RESULT	REMARKS
10. Bias trap	Connection: Fig. 5-9 Record-pause mode	LINE IN: No signal	L901	T.P. (HEAD) 85 kHz on fre- quency counter	Specified bias frequency
			T101/T201	TP102 TP202	
11. Record bias	{ TAPE sw: NORMAL Tape: MTT-501	LINE IN: 400 Hz & 12.5 kHz alternately/−42 dB (6.15 mV)	SR102/SR202	OUTPUT: Nearly equal level at both frequencies.	DOLBY B NR: IN
	Check		{ TAPE sw: CrO ₂ Tape: MTT-5061		
			{ TAPE sw: METAL Tape: MTT-5072		
12. Record level	{ TAPE sw: CrO ₂ Tape: MTT-5061	LINE IN: 400 Hz/−12 dB (195 mV)	SR103/SR203	OUTPUT: −6 dB (388 mV)	
	Check		{ TAPE sw: NORMAL Tape: MTT-501	OUTPUT: −6 dB ±1.5 dB (327 mV to 461 mV)	
			{ TAPE sw: METAL Tape: MTT-5072		

ITEM	SETTING	INPUT SIGNAL	ADJUST (or CHECK)	MEASURING POINT RESULT	REMARKS
13. Total harmonic distortion	{ TAPE sw: METAL Tape: MTT-5072 { TAPE sw: CrO ₂ Tape: MTT-5061 { TAPE sw: NORMAL Tape: MTT-501	LINE IN: 400 Hz/−12 dB (195 mV)	Check	OUTPUT: 2.0% or less with METAL, CrO ₂ 2.5% or less with NORMAL	
14. Frequency response	{ TAPE sw: METAL Tape: MTT-5072 { TAPE sw: CrO ₂ Tape: MTT-5061 { TAPE sw: NORMAL Tape: MTT-501	LINE IN: Required signal/ −42 dB (6.15 mV)	Check	OUTPUT: Fig. 5-6 and 5-7	If out of spec., recheck #11 and #13
15. Signal-to-noise ratio	{ TAPE sw: METAL Tape: MTT-5072 { TAPE sw: CrO ₂ Tape: MTT-5061 { TAPE sw: NORMAL Tape: MTT-501	LINE IN: 1 kHz/−9 dB (275 mV) ↓ no signal	Check	OUTPUT: 47 dB min. [METAL, CrO ₂] 46 dB min. [NORMAL]	Ratio of specified output of −3 dB to noise
16. Erase efficiency	Connection is same as in Fig. 5-1, but engage 1-kHz filter. Record a 1-kHz signal. Rewind tape to midpoint of recorded portion. Record a "no signal" portion. Find the difference between the 1-kHz portion and the "no-signal" portion.				
	{ TAPE sw: METAL Tape: MTT-5072	LINE IN: 1 kHz/+1 dB (0.869 V) ↓ no signal	Check	OUTPUT: 65 dB min. ratio	Ref. output level: +7 dB (1.73 V)
17. REC MUTE function	Connection: Fig. 5-1, but engage 1-kHz filter. Record a 1-kHz signal. Push REC MUTE button for several seconds. (At this time, make sure lights). Rewind and play the tape. Find the difference between the 1-kHz portion and the "no-signal" portion.				
	{ TAPE sw: METAL Tape: MTT-5072	LINE IN: 1 kHz/+1 dB (0.869 V) ↓ no signal	Check	OUTPUT: 65 dB min. ratio	Ref. output level: +7 dB (1.73 V)
18. DOLBY NR effect (B-type)	Record a 1-kHz signal with switch in ☐ B(V-500X) or ☐ B(V-400X). Play this portion with switch set to OUT and ☐ B or ☐ . Obtain the difference in output level between OUT and ☐ B/ ☐ positions. Repeat the above process using a 10-kHz signal.				
	{ TAPE sw: METAL Tape: MTT-5072	LINE IN: 1 kHz/−29 dB (27.5 mV)	Check	OUTPUT: Variation 3 dB ~ 8 dB	
	{ TAPE sw: METAL Tape: MTT-5072	LINE IN: 10 kHz/−39 dB (8.69 mV)	Check	OUTPUT: Variation 8 dB ~ 12 dB	
19. Dolby NR effect (C-type) V-500X	Repeat the same procedure above, except see that the NR SYSTEM switch is set to ☐ C.				
	{ TAPE sw: METAL Tape: MTT-5072	LINE IN: 1 kHz/−39 dB (8.69 mV)	Check	OUTPUT: Variation 16 dB ~ 20 dB	
	{ TAPE sw: METAL Tape: MTT-5072	LINE IN: 10 kHz/−49 dB (2.75 mV)	Check	OUTPUT: Variation 16 dB ~ 20 dB	
20. dbx adj.	{ TAPE sw: NORMAL NR SYSTEM: dbx	LINE IN: 1 kHz/−24 dB	SR971	15 mV	Voltage between both lead of R984 (1 kΩ)

- 注1. 調整および確認の前に、消去および録／再の各ヘッドとテープ走行部をそれぞれ十分に消磁し、クリーナ液で清掃する。
2. 調整および確認は左チャンネル、右チャンネルの順に行なう。

3. 0dB=0.775V
4. 使用するレベル計の入力インピーダンスは1MΩ以上。
5. 特に指示のない限り各スイッチおよびつまみの位置は各表のように設定する。

NR SYSTEM : OUT
TAPE SELECTOR : METAL
OUTPUTつまみ : 10(最大)

再生系

調 整 項 目	準 備・設 定	入 力 信 号	調 整 個 所	測定箇所・調整値	備 考
1. ヘッド・アジマス調整	設定表参照 (Fig5-2)	MTT-150	チェック	位相 45°以内	Fig5-4参照
		MTT-356 (10kHz区分)	ヘッドのアジマス調整ねじ	L,R共最大出力	
2. 再生レベル・セット	同 上	MTT-150	SR101/SR201	T.P.(DOLBY) V-500X : 245mV (-10dB) V-400X : 580mV (-2.5dB)	
			OUTPUTつまみ	OUTPUT : -3±1dB	規定再生状態
3. メーター・レベル・セット	規定再生状態	MTT-150	SR104/SR204	ピーク・レベル・プログラム・メーター指示: 0dB	
4. 再生周波数特性チェック	TAPE SELECTOR METAL/CrO ₂	MTT-356	チェック	OUTPUT : Fig5-5参照	
	TAPE SELECTOR NORMAL	同 上	チェック	OUTPUT : TAPE SELECTORをMETAL →NORMALにすると、10kHzの出力が4 dB高くなること。	
5. 再生S/Nチェック	同 上	空カセット (テープなし)	チェック	S/N NORMAL : 48dB 以上	基準レベルは -3dB

録音待機状態
NR SYSTEM : OUT
OUTPUTつまみ : 規定出力状態

モニタ系

調 整 項 目	準 備・設 定	入 力 信 号	調 整 個 所	測定箇所・調整値	備 考
6. 最小入力レベル	RECORD つまみ MAX	400Hz/-67dB	チェック	OUTPUT : -3±3dB	MIC最小入力レベル
	同 上	400Hz/-19dB	チェック	同 上	LINE 最小入力レベル
7. LINE入力レベル	—	LINE IN : 400Hz/-9dB	RECORDつまみ	T.P.(DOLBY) V-500X : 245mV (-10dB) V-400X : 580mV (-2.5dB)	RECORD つまみの規定入力レベルセット位置
		同 上	チェック	OUTPUT : -3±1.5dB	規定入力状態
8. メーター・レベル・チェック	LINE規定入力状態	同 上	チェック	ピーク・プログラム・レベル・メーター指示: 0dB	
9. ヘッドホン出力レベル・チェック	同 上 接続はFig5-8参照	同 上	チェック	PHONES : -19±3dB	8Ω負荷

録音系

NR SYSTEM : OUT

OUTPUTつまみ : 規定出力状態

RECORDつまみ : 規定入力状態

調 整 項 目	準 備・設 定		入 力 信 号	調 整 個 所	測定箇所・調整値	備 考
10. バイアス・トラップ	設定 Fig5-9参照 REC/PAUSE 状態		無 信 号	L901	TP(TP101/TP201) 85kHz	規定バイアス 発振周波数
	同 上		同 上	T101/T201	TP102/TP202	バイアス漏れ最小
11. バイアス・セット	TAPE SELECTOR	テープ	LINE IN : 400Hz, 12.5kHz /-42dB	SR102/SR202	OUTPUT 両信号の出力レベルが等 しくなるよう調整	DOLBY B NR : IN
	NORMAL CrO ₂ METAL	MTT-501 MTT-5061 MTT-5071	同 上	チェック		
12. 録音レベル・セット	CrO ₂ NORMAL METAL	MTT-5061 MTT-501 MTT-5072	LINE IN : 400Hz/-12dB	SR103/SR203	OUTPUT : -6dB	規定録音状態
				チェック	OUTPUT : -6±1.5dB	
13. 総合歪率チェック	METAL CrO ₂ NORMAL	MTT-5072 MTT-5061 MTT-501	LINE IN : 400Hz/-12dB	チェック	OUTPUT : METAL,CrO ₂ 2.0%以下 NORMAL 2.5%以下	
14. 総合周波数特性	同 上		-42dB	チェック	規格 OUTPUT : METAL,CrO ₂ Fig5-6参照 NORMAL Fig5-7参照	規定を満足しない 場合は11項お よび13項をチェ ック
15. 総合S/Nチェック	同 上		LINE IN : 1kHz/-9dB →無信号	チェック	OUTPUT : METAL,CrO ₂ 47dB以上 NORMAL 46dB以上	基準レベルを -3dBとした場 合の雑音レベル比
16. 消去率チェック	METAL	MTT-5072	LINE IN : 1kHz/+1dB →無信号	チェック	OUTPUT : レベル差65dB以上	1kHz B.P.F使用 +7dBを基準 レベルとする.
17. REC MUTE効果チェック	同 上		1kHz/+1dB	チェック	入力信号を録音し、途中でREC MUTE鈕を 押して無信号録音部分をつくる(REC MU- TEランプが点灯を確認). テープを再生し て、信号部分と無信号部分との出力レベ ル差、65dB以上.(1kHz,B.P.F使用)	
18. ドルビーNR効果チェック (B-TYPE)	同 上		LINE IN : 1kHz/-29dB	チェック	NR SYSTEMスイッチを00B(00)にして 信号を録音する. このテープを再生し、ス イッチをOUT⇄00B(00)と切り換えたとき の出力レベル変化、3~8dB	
			10kHz/-39dB	チェック	測定法：同上 8~12dB	
19. ドルビーNR効果チェック (C-TYPE) (V-500Xのみ)	同 上		LINE IN : 1kHz/-39dB	チェック	NR SYSTEMスイッチを00Cにして信号 を録音し、このテープを再生してスイッチ をOUT⇄00Cと切り換えたときの出力レ ベル変化、16~20dB	
			10kHz/-49dB	チェック	測定法：同上 16~20dB	
20. dbx調整	TAPE SELECTOR : NORMAL NR SYSTEM : dbx		LINE IN : 1kHz/-24dB	SR971	15mV	R984(1kΩ) の両端電圧

5-4 ADJUSTMENTS AND TEST POINT LOCATIONS

調整部およびテスト・ポイントの位置

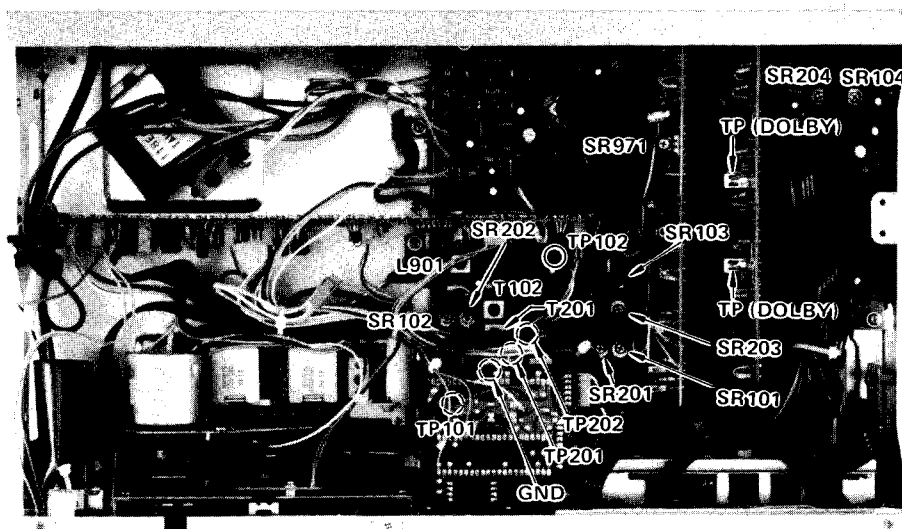


Fig. 5-10 V-500X

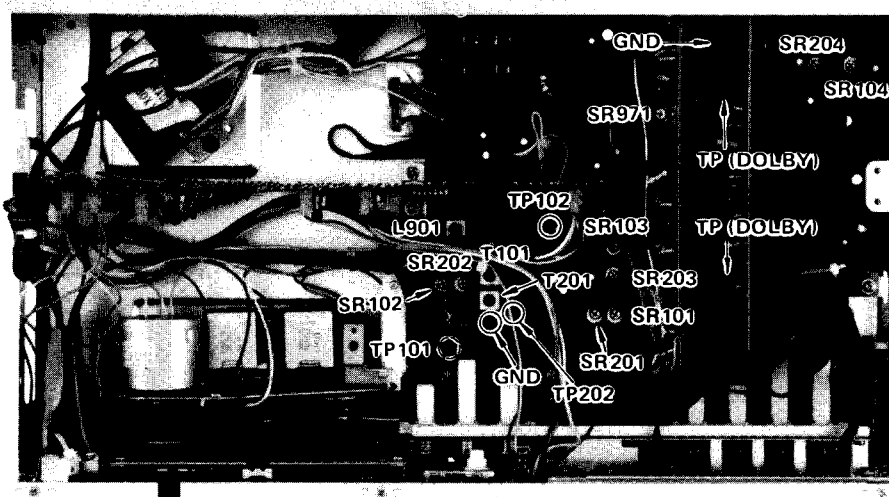
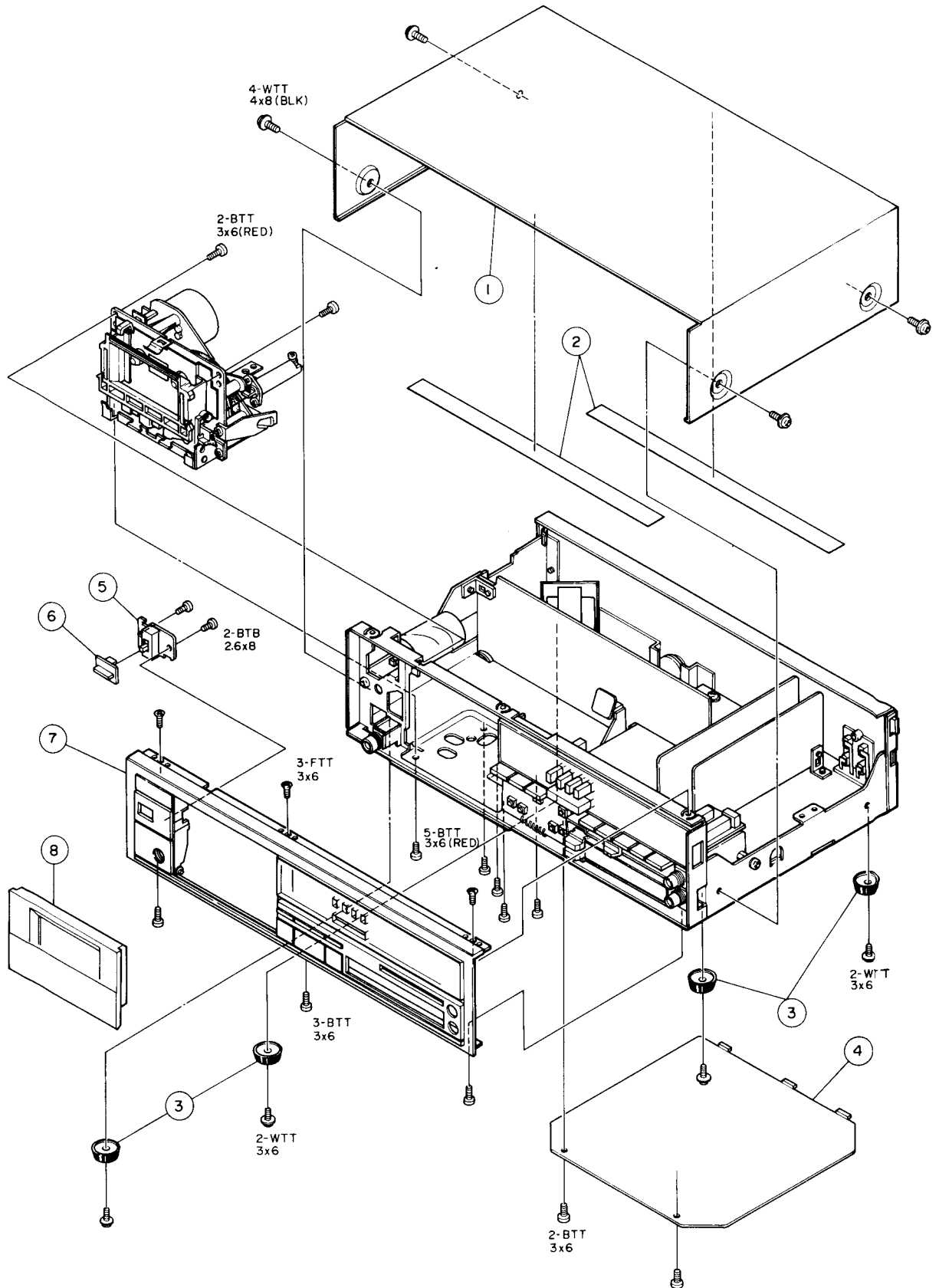


Fig. 5-11 V-400X

SR101/SR201	Output level	出力レベル
SR102/SR202	Record bias	録音バイアス
SR103/SR203	Record level	録音レベル
SR104/SR204	Peak program level meter	ピーク・プログラム・レベル・メーター
SR971	dbx CURRENT SOURCE	dbx カレント・ソース
L901	Bias OSC frequency	バイアス発振器周波数
T101/T201	Bias trap	バイアス・トラップ

6 EXPLODED VIEWS AND PARTS LIST

EXPLODED VIEW- 1



REF. NO.	PARTS NO.	DESCRIPTION	COMMON MODELS	REMARKS
1 - 1	*5760535000	Cover, Top	V-300 V-300 V-300	
1 - 2	*5760404900	Cushion, C		
1 - 3	5760405100	Foot		
1 - 4	*5760460700	Cover, Bottom		
1 - 5	*5760506900	PCB Assy, TIMER		
1 - 6	5760514300	Button, TIMER	V-300	
1 - 7	*5760539100	Panel Assy, Front (V-500X)		
	*5760514100	Panel Assy, Front (V-400X)		
1 - 8	5760514210	Cover Assy, Cassette (V-500X)		
	5760514200	Cover Assy, Cassette (V-400X)		

INCLUDED ACCESSORIES

REF. NO.	PARTS NO.	DESCRIPTION	COMMON MODELS	REMARKS
	*5700049400	Owner's Manual, V-500X/V-400X [All except J]		
	*5700049700	Owner's Manual, V-500X [J]		

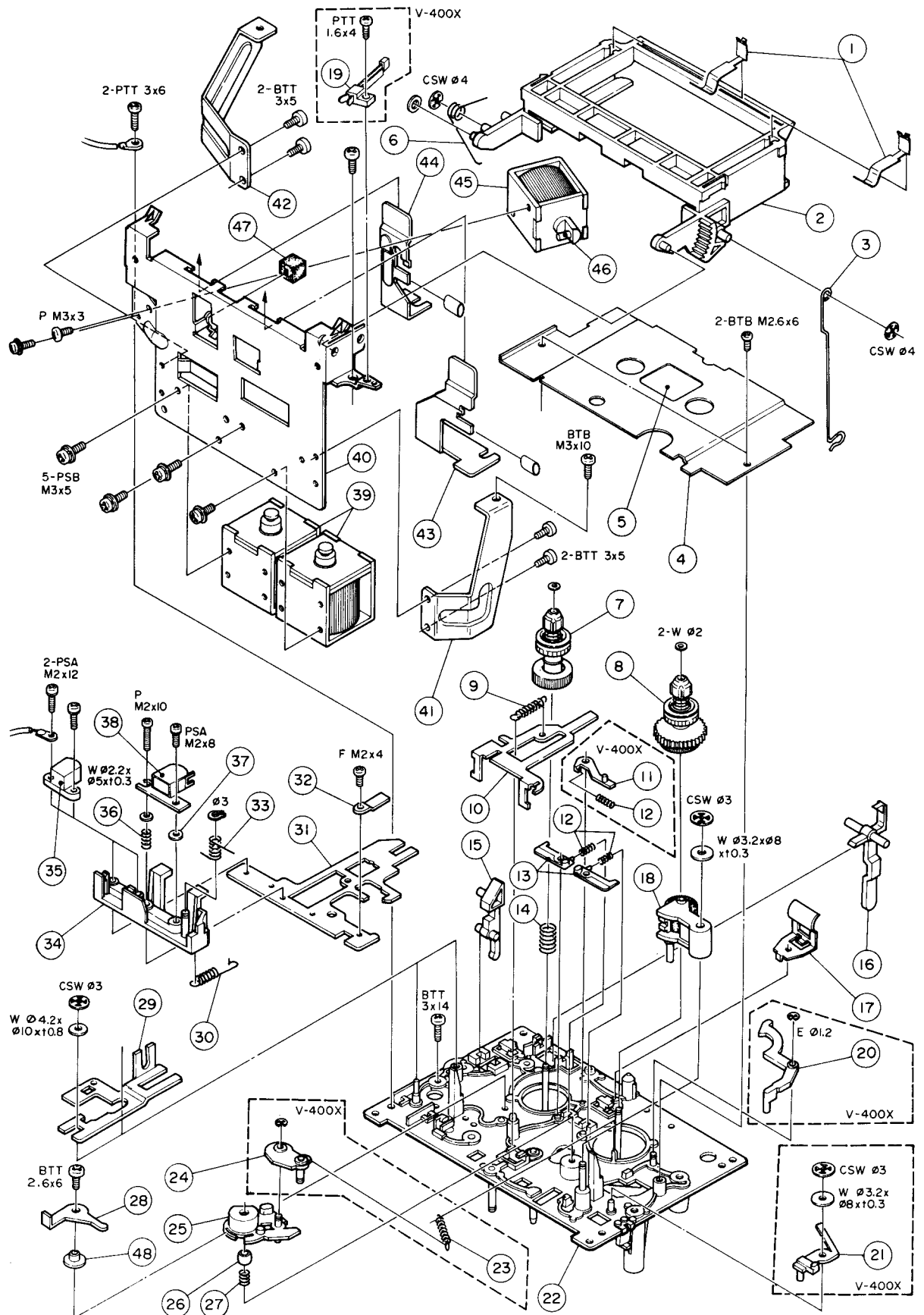
(Continued from page 21)

REF. NO.	PARTS NO.	DESCRIPTION	COMMON MODELS	REMARKS
4 - 40	5760504800	Switch, Push (V-400X)	V-300	
4 - 41	*5760504100	Chassis, Front		
4 - 42	*5760506400	PCB Assy, HEADPHONE		
4 - 43	△ 5760513500	Switch, Power		
4 - 44	△ 5760513600	Ceramic Cap. 0.047μF/250V [J, U, C]		
	△ 5760513700	Ceramic Cap. 0.01μF/250V [GE]		
	△ 5760513800	Ceramic Cap. 0.047μF [E, UK, A]		
4 - 45	5760514400	Button, A; NORMAL		
4 - 46	5760514500	Button, B; CrO ₂		
4 - 47	5760514600	Button, C; METAL		
4 - 48	5760514700	Button, D; OUT		
4 - 49	5760514800	Button, E; DOLBY (V-400X)		
4 - 50	5760514900	Button, F; DBX		
4 - 51	5760515000	Button, G; DBX DISC		
4 - 52	5760539200	Button, H; DOLBY B (V-500X)		
4 - 53	5760539300	Button, I; DOLBY C (V-500X)		
4 - 54	*5760151100	Lug Plate, Relay [E, UK, A]		
4 - 55	*5760504900	Clamper, Cord		
4 - 56	*5760513900	Shield Core, A [J, U, C]		
	*5760514000	Shield Core, B [GE, E, UK, A]		
4 - 57	*5760539000	Clamper, Transformer (V-500X)		
4 - 58	*5760541300	Holder, Counter (V-500X)		

Parts marked with *require longer delivery time.

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

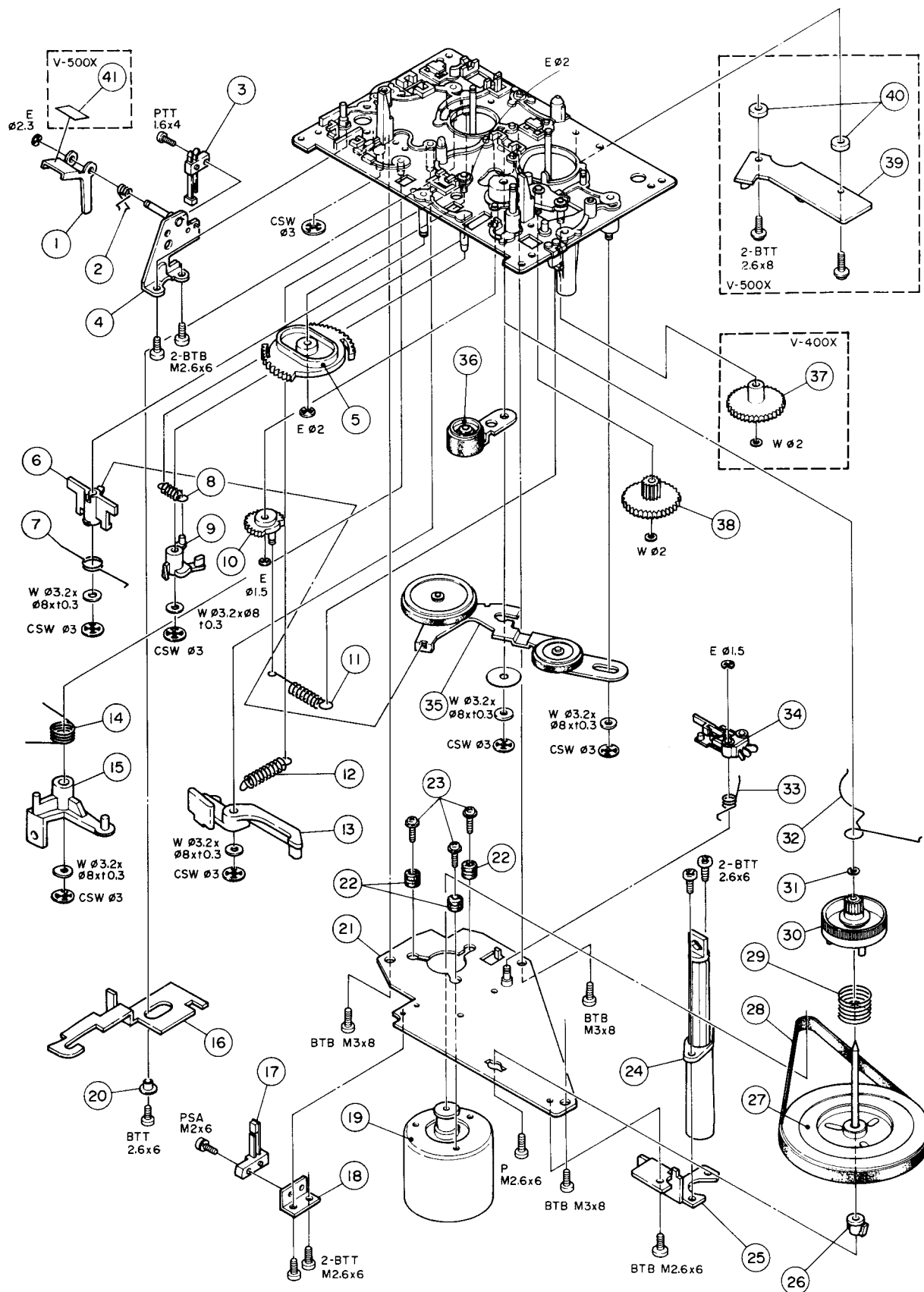
EXPLODED VIEW-2



REF. NO.	PARTS NO.	DESCRIPTION	COMMON MODELS	REMARKS
2 - 1	*5760393500	Spring, Cassette Pressure	V-33	
2 - 2	*5760502200	Holder, Cassette		
2 - 3	*5760459200	Spork, Damper	V-300	
2 - 4	*5760394001	Cover, Chassis; B	V-33	
2 - 5	*5760394100	Plate, Refractive	V-33	
2 - 6	5760393600	Spring, Ccssette Holder; D		
2 - 7	5760536700	Reel Assy, Supply; B (V-500X)		
	5760391600	Reel Assy, Supply (V-400X)		
2 - 8	5760536600	Reel Assy, Take-up; D (V-500X)		
	5760391800	Reel Assy, Take-up; B (V-400X)		
2 - 9	5760391100	Spring, FF Lever; B	V-33	
2 - 10	*5760501500	Lever, FF; B		
2 - 11	*5760387400	Lever, Auto (V-400X)	V-33	
2 - 12	5760390700	Spring, Brake	V-33	
2 - 13	*5760390600	Arm, Brake	V-33	
2 - 14	5760391700	Spring, BT; D	V-33	
2 - 15	*5760392800	Arm, Door Lock	V-33	
2 - 16	*5760501400	Arm Assy		
2 - 17	*5760393700	Spring, Cassette Pressure; C	V-33	
2 - 18	5760501200	Pinch Roller Assy, B		
2 - 19	5760395300	Switch Lief (V-400X)		
2 - 20	*5760390100	Arm, Auto Stop (V-400X)	V-33	
2 - 21	*5760390200	Arm, Kick (V-400X)	V-33	
2 - 22	*5760386801	Chassis Assy, Mechanism	V-33	
2 - 23	5199047000	Spring, P.Pulley (V-400X)	V-33	
2 - 24	*5760388700	Arm, Cam Gear (V-400X)	V-33	
2 - 25	*5760390400	Arm, P. Pulley	V-33	
2 - 26	5199041000	Metal, Flywheel		
2 - 27	5199088000	Spring, Earth	V-33	
2 - 28	*5760502500	Lever		
2 - 29	*5760502000	Lever, Eject; B		
2 - 30	5760390000	Spring, Lift	V-33	
2 - 31	*5760501100	Chassis, Head; B		
2 - 32	*5760387300	Plate, Thrust	V-33	
2 - 33	5760387600	Spring, Pinch Roller	V-33	
2 - 34	*5760387000	Stand, Head	V-33	
2 - 35	5760387200	Head Assy, ERASE	V-33	
2 - 36	5760388000	Spring, Head Azimuth; B	V-33	
2 - 37	*5760501300	Washer, Head		
2 - 38	5378901800	Head Assy, REC/PLAY (V-500X)		
	5760387100	Head Assy, REC/PLAY (V-400X)	V-33	
2 - 39	5760503800	Solenoid, FF/REW		
2 - 40	*5760502800	Holder Assy, Solenoid; C		
2 - 41	*5760503600	Bracket, R		
2 - 42	*5760503700	Bracket, L		
2 - 43	*5760502300	Arm, FF Solenoid		
2 - 44	*5760502400	Arm, REW Solenoid		
2 - 45	5760503700	Solenoid, PLAY		
2 - 46	*5760503200	Pin, Solenoid		
2 - 47	*5760502600	Cushion		
2 - 48	*5760502700	Collar, Lever		

Parts marked with *require longer delivery time.

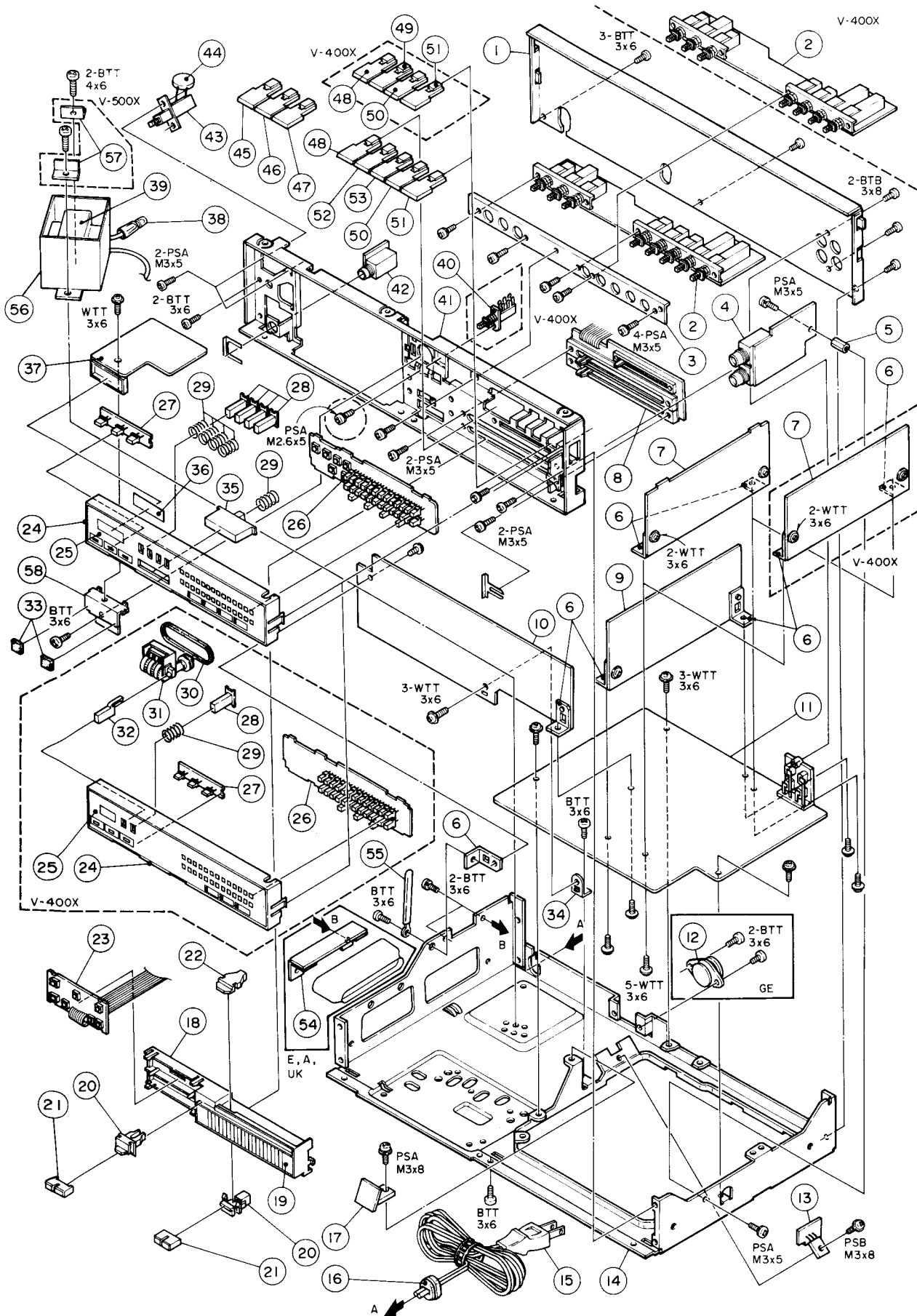
EXPLODED VIEW- 3



REF. NO.	PARTS NO.	DESCRIPTION	COMMON MODELS	REMARKS
3 - 1	*5760458700	Lever, Eject	V-300	
3 - 2	5760501900	Spring, Eject Lever; B		
3 - 3	5760395300	Switch, Lief		
3 - 4	*5760458800	Base, Eject Lever		
3 - 5	*5760388900	Cam, A	V-33	
3 - 6	*5760390800	Arm, FF	V-33	
3 - 7	5760391000	Spring, FF Arm	V-33	
3 - 8	5760389600	Spring, Cam Stopper; B	V-33	
3 - 9	*5760389300	Stopper, Cam; B	V-33	
3 - 10	*5760389000	Cam, B	V-33	
3 - 11	5760389700	Spring, Cam; B	V-33	
3 - 12	5760389500	Spring, Cam Lever	V-33	
3 - 13	*5760389100	Lever, Cam	V-33	
3 - 14	5760501700	Spring, Cam Stopper; A		
3 - 15	*5760501600	Stopper, Cam; A		
3 - 16	*5760502100	Lever, Eject; D		
3 - 17	5760541000	Switch, Lief		
3 - 18	*5760503400	Bracket, Switch		
3 - 19	5760535100	Motor, DC		
3 - 20	*5760503100	Collar, Hook Lever		
3 - 21	*5760501800	Plate, Flywheel-reputation		
3 - 22	*5760394200	Cushion, Motor	V-33	
3 - 23	*5760394300	Screw, Motor Install	V-33	
3 - 24	5760470200	Damper Assy		
3 - 25	*5760459100	Holder, Damper	V-300	
3 - 26	5760388400	Shaft-reputation, Flywheel	V-33	
3 - 27	5760388100	Flywheel, Capstan	V-33	
3 - 28	5760388200	Belt	V-33	
3 - 29	5760388500	Spring, Thurst	V-33	
3 - 30	*5760390300	Clutch	V-33	
3 - 31	*5760390500	Washer	V-33	
3 - 32	5760389900	Spring, Cam; A	V-33	
3 - 33	5760503000	Spring, Switch		
3 - 34	5760541100	Switch, Skelton		
3 - 35	5760391900	Pulley Assy, Idler; A	V-33	
3 - 36	5760392000	Pulley Assy, Idler; C	V-33	
3 - 37	5760388800	Gear, Cam; B (V-400X)	V-33	
3 - 38	5760388600	P. Pulley, B	V-33	
3 - 39	*5760536800	PCB, SENSOR (V-500X)		
	5760536900	Photo Sensor NJL5141EB (V-500X)		
	5172236000	Ceramic Cap. 0.01μF, (C27) (V-500X)		
3 - 40	*5760541200	Stud, Sensor PCB (V-500X)		
3 - 41	*5760536300	Sheet (V-500X)		

Parts marked with *require longer delivery time.

EXPLODED VIEW- 4



REF. NO.	PARTS NO.	DESCRIPTION	COMMON MODELS	REMARKS
4 - 1	*5760537701 *5760537801 *5760537901 *5760538001 *5760538101 *5760538201 *5760538301 *5760505001 *5760505101 *5760505201 *5760505301 *5760505401	Panel, Rear [J] (V-500X) Panel, Rear [U] (V-500X) Panel, Rear [C] (V-500X) Panel, Rear [GE] (V-500X) Panel, Rear [E] (V-500X) Panel, Rear [UK] (V-500X) Panel, Rear [A] (V-500X) Panel, Rear [U] (V-400X) Panel, Rear [C] (V-400X) Panel, Rear [GE] (V-400X) Panel, Rear [E] (V-400X) Panel, Rear [UK, A] (V-400X)		
4 - 2	*5760507510 *5760507500	PCB Assy, SW. (V-500X) PCB Assy, SW. (V-400X)		
4 - 3	*5760504400	Holder, SW. PCB Assy		
4 - 4	*5760506600	PCB Assy, MIC AMPL.		
4 - 5	*5760504700	Stud, MIC AMPL. PCB Assy		
4 - 6	*5760504500	Bracket, L		
4 - 7	*5760516700 *5760507300	PCB Assy, DOLBY B/C (V-500X) PCB Assy, DOLBY B (V-400X)		
4 - 8	*5760506700	PCB Assy, VR		
4 - 9	*5760507400	PCB Assy, dbx		
4 - 10	*5760507010 *5760507000	PCB Assy, CONTROL (V-500X) PCB Assy, CONTROL (V-400X)		
4 - 11	*5760506210 *5760506200	PCB Assy, REC/PLAY AMPL. (V-500X) PCB Assy, REC/PLAY AMPL. (V-400X)		
4 - 12	△ *5760152000	Voltage Selector [GE]		
4 - 13	*5760506300	PCB Assy, REGULATOR		
4 - 14	*5760504001	Chassis, Main		
4 - 15	△ 5760150300 △ 5760150500 △ 5760150600 △ 5760150700	Cord, AC Power [J, U, C, GE] Cord, AC Power [E] Cord, AC Power [UK] Cord, AC Power [A]		
4 - 16	△ *5760150800 △ *5760150900	Strain, Relief [All except UK] Strain, Relief [UK]		
4 - 17	*5760506500	PCB Assy, TRANSISTOR		
4 - 18	*5760505900	Guide, Volume Knob		
4 - 19	*5760506000	Indicator, VR		
4 - 20	5760465600	Base, Knob		
4 - 21	5760465500	Knob, RECORD VR		
4 - 22	5760506100	Knob, OUTPUT VR		
4 - 23	*5760507100	PCB Assy, OPERATION SW.		
4 - 24	*5760505500	Base, Meter		
4 - 25	5760537200 5760505600	Indicator, Meter (V-500X) Indicator, Meter (V-400X)		
4 - 26	*5760506810 *5760506800	PCB Assy, METER (V-500X) PCB Assy, METER (V-400X)		
4 - 27	*5760507200	PCB Assy, LED		
4 - 28	5760537300 5760505700	Button, MEMORY (V-500X) Button, MEMORY (V-400X)		
4 - 29	5760505800	Spring, Compression Coil; C		
4 - 30	5760393900	Belt, Counter (V-400X)		
4 - 31	5760504200	Counter, Tape (V-400X)		
4 - 32	5760504300	Button, RESET (V-400X)		
4 - 33	*5760537600	Cushion, Meter; B (V-500X)		
4 - 34	*5760504600	Bracket, A		
4 - 35	5760537400	Button, CPS (V-500X)		
4 - 36	*5760537100	Window, Counter (V-500X)		
4 - 37	*5760537000	Counter, FL (V-500X)		
4 - 38	*5760151000	Terminal [U, C, GE]		
4 - 39	△ 5760538900 △ 5760512900 △ 5760513000 △ 5760513100 △ 5760513200 △ 5760513300	Transformer, Power [J] (V-500X) Transformer, Power [U, C] Transformer, Power [GE] Transformer, Power [E] Transformer, Power [UK] Transformer, Power [A]		

(Continued on page 15)

Parts marked with *require longer delivery time.

[U]: U.S.A.

[A]: AUSTRALIA

[J]: JAPAN

[C]: CANADA

[E]: EUROPE

[GE]: GENERAL EXPORT

[UK]: U.K.

ASSEMBLING HARDWARE CODING LIST

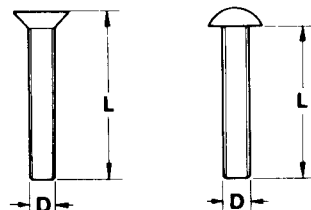
All screws conform to ISO standards, and have crossrecessed heads, unless otherwise noted. ISO screws have the head inscribed with a point as in the figure to the right.



FOR EXAMPLE:

B M 3 x 6

----- Length in mm (L)
----- Diameter in mm (D) *
----- Metric System
----- Nomenclature

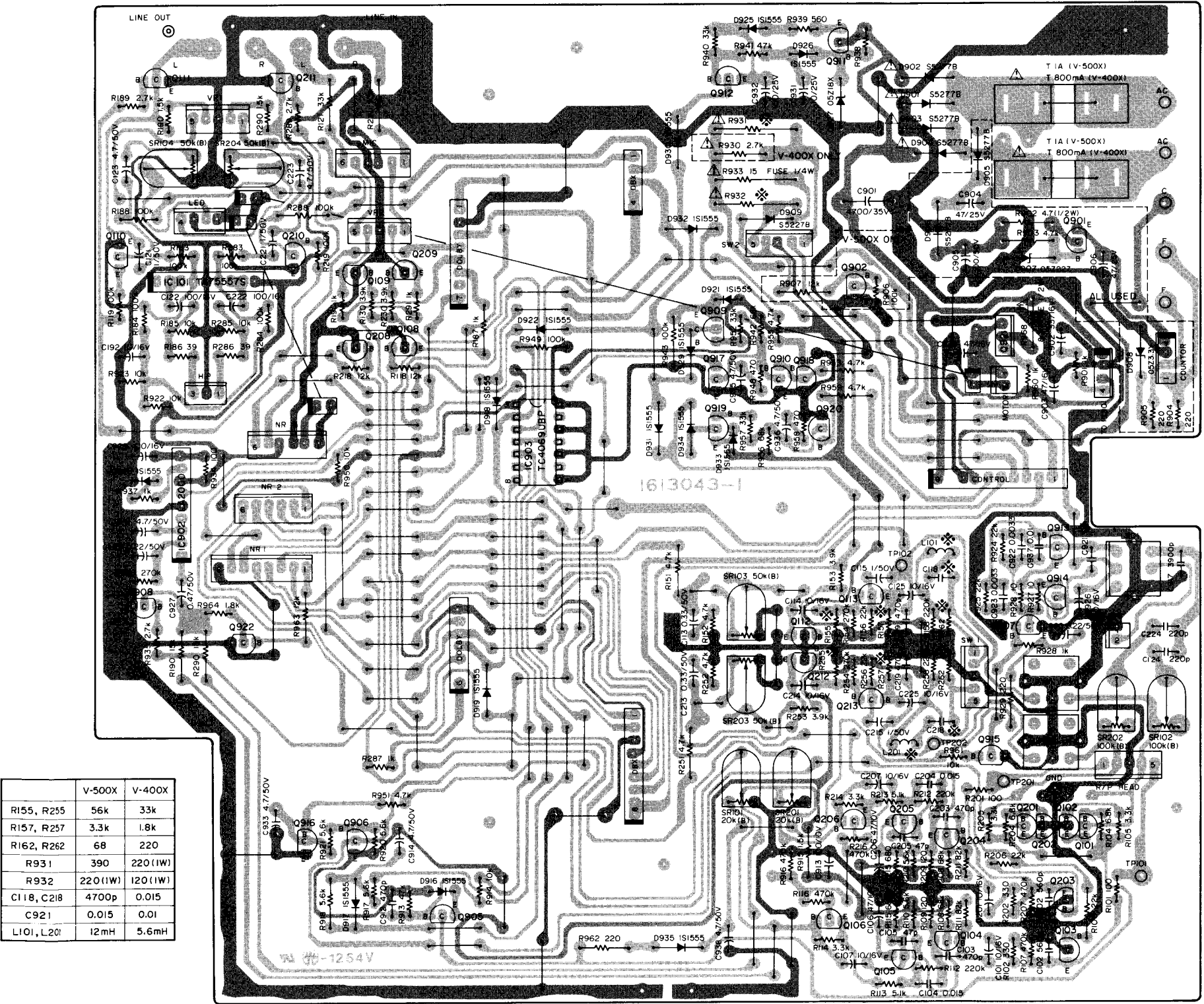


* Inner dia. for washers and nuts

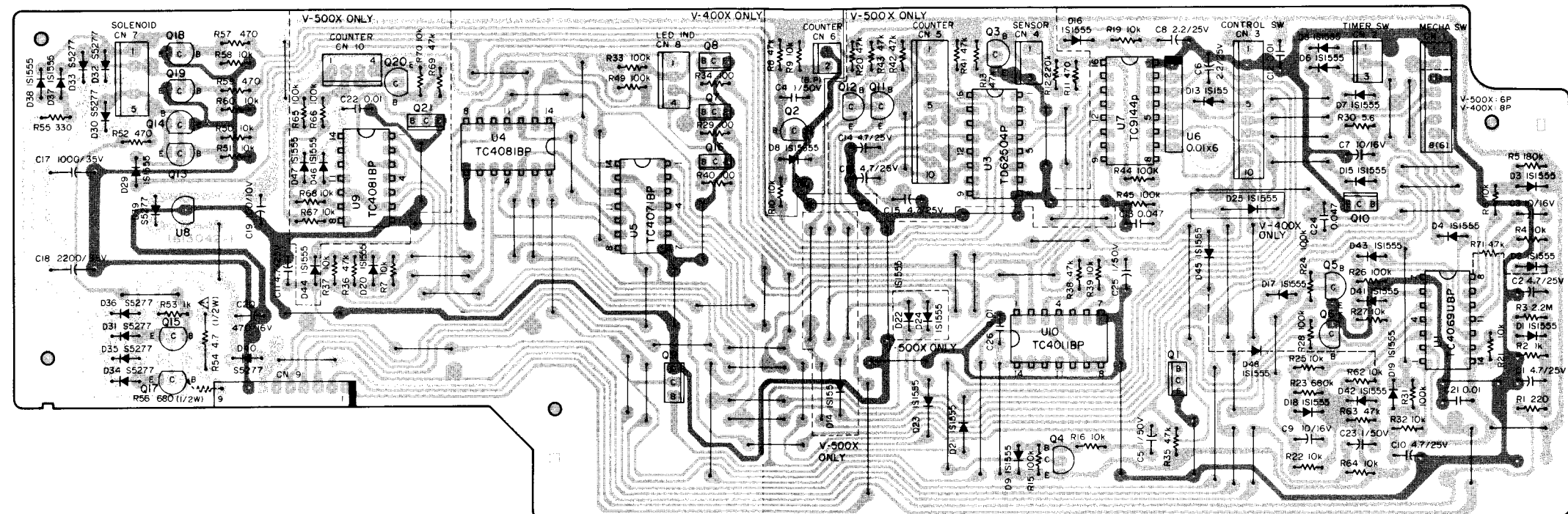
	Code	Name	Type		Code	Name	Type
MACHINE SCREW	R	Round Head Screw		TAPPING SCREW	BTA	Binding Head Tapping Screw(A Type)	
	P	Pan Head Screw			BTB	Binding Head Tapping Screw(B Type)	
	T	Stove Head Screw (Truss)			RTA	Round Head Tapping Screw(A Type)	
	B	Binding Head Screw			RTB	Round Head Tapping Screw(B Type)	
	F	Flat Countersunk Head Screw		SETSCREW	SF	Hex Socket Setscrew(Flat Point)	
	O	Oval Countersunk Head Screw			SC	Hex Socket Setscrew(Cup Point)	
WOOD SCREW	RW	Round Head Wood Screw			SS	Slotted Socket Setscrew(Flat Point)	
TAPTITE SCREW	PTT	Pan Head Taptite Screw		WASHER	E	E-Ring (Retaining Washer)	
	WTT	Washer Head Taptite Screw			W	Flat Washer (Plain)	
SEMS SCREW	BSA	Binding Head SEMS Screw(A Type)			SW	Lock Washer (Spring)	
	BSB	Binding Head SEMS Screw(B Type)			LWI	Lock Washer (Internal Teeth)	
	BSF	Binding Head SEMS Screw(F Type)			LWE	Lock Washer (External Teeth)	
	PSA	Pan Head SEMS Screw(A Type)			TW	Trim Washer (Countersunk)	
	PSB	Pan Head SEMS Screw(B Type)		NUT	N	Hex Nut	

7 PC BOARDS AND PARTS LIST
PC Boards shown viewed from foil side.

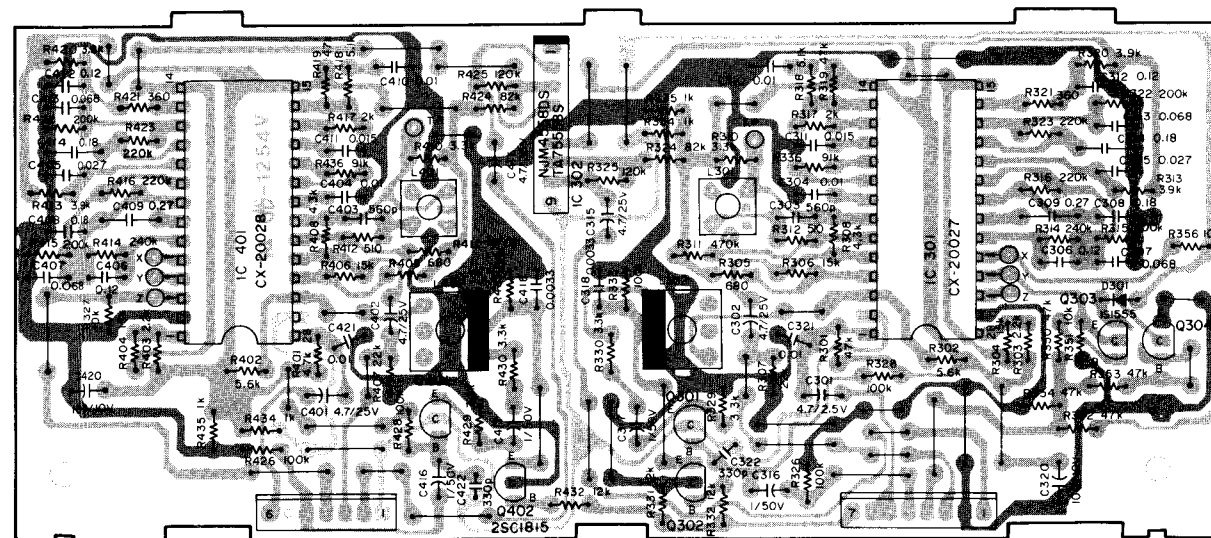
REC/PLAY AMPL. PCB Assy



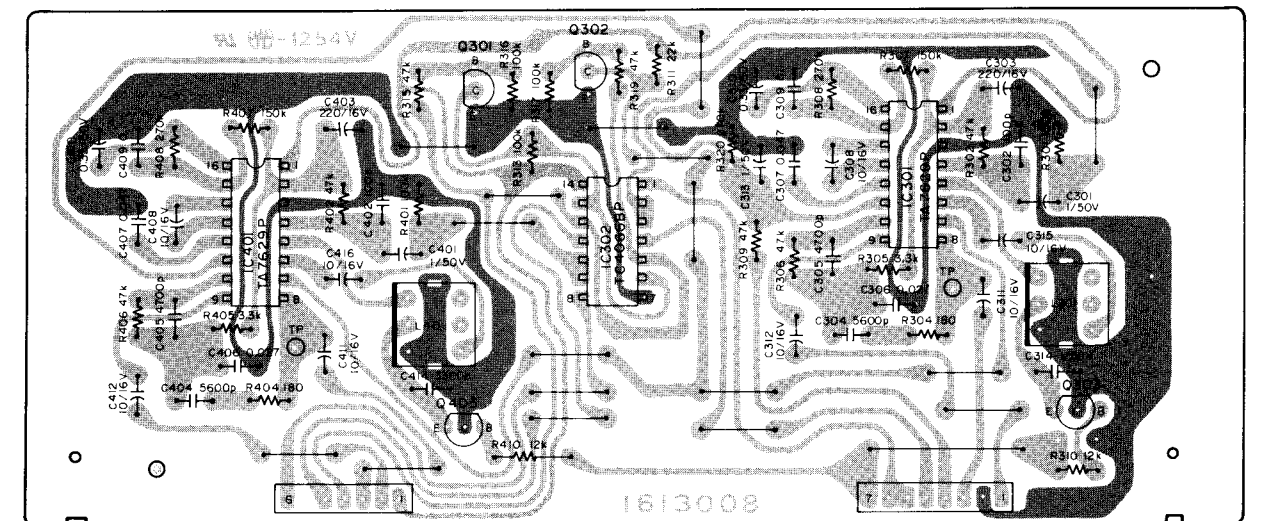
CONTROL PCB Assy



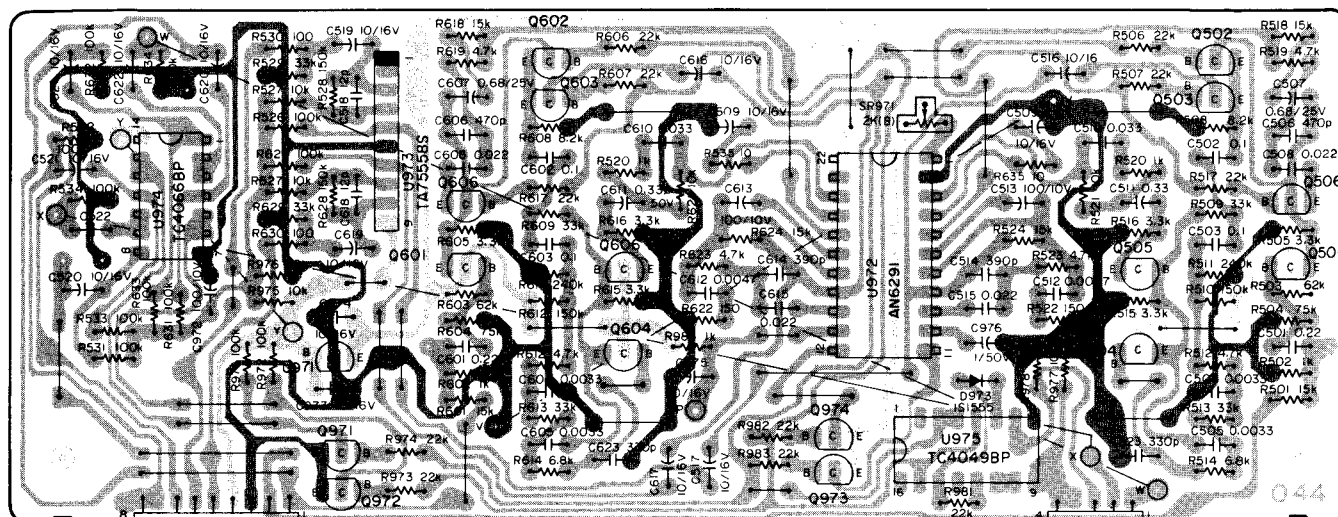
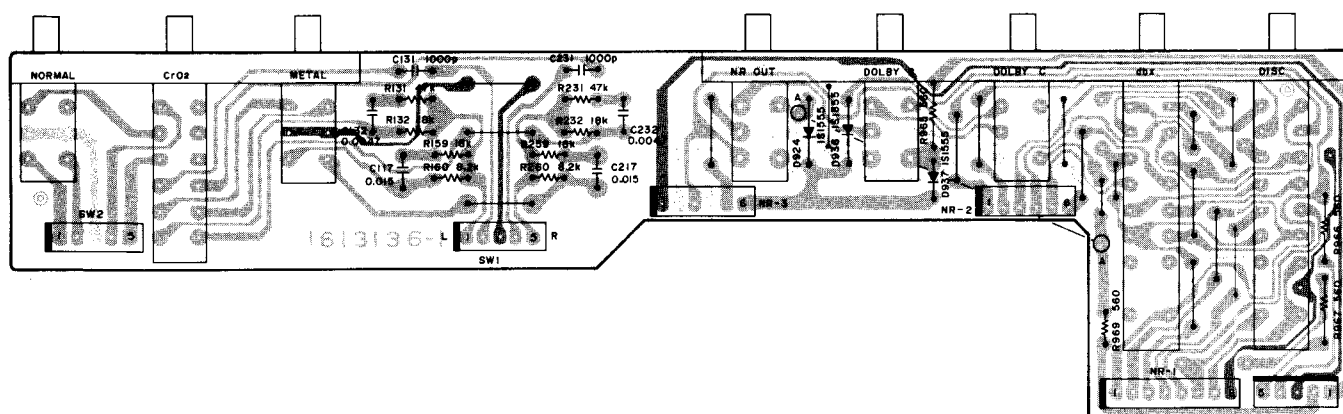
DOLBY B/C PCB Assy (V-500X)



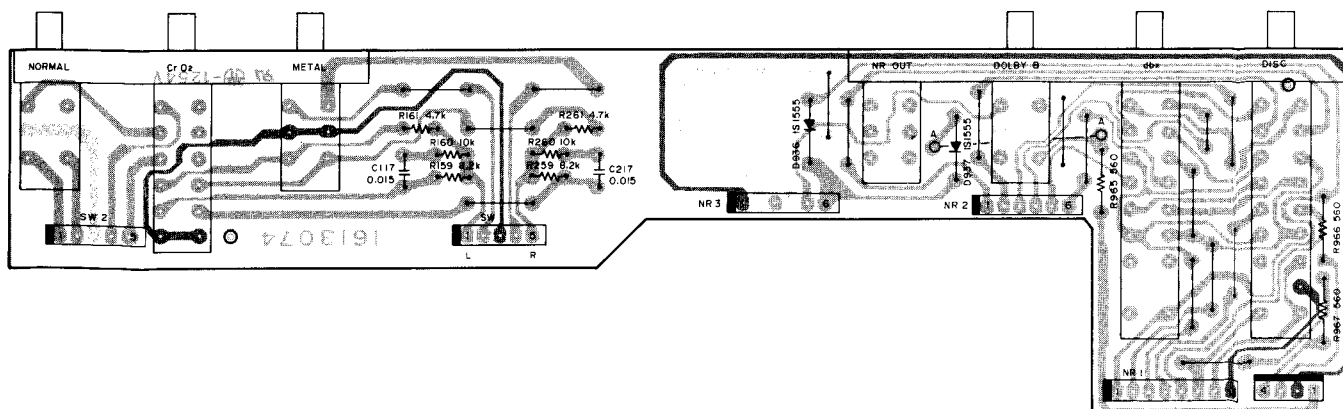
DOLBY B PCB Assy (V-400X)



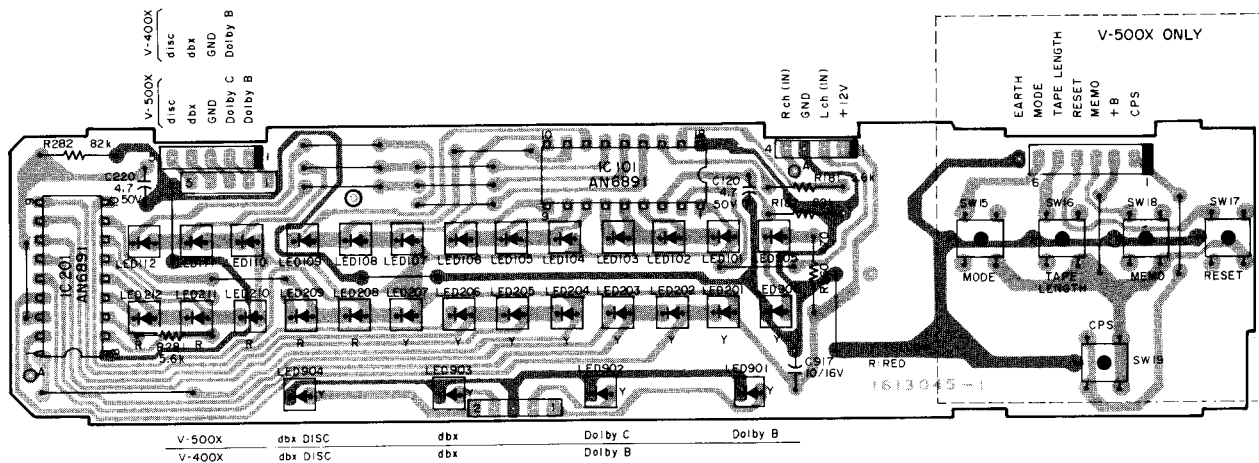
DBX PCB Assy

**NR SW. PCB Assy (V-500X)**

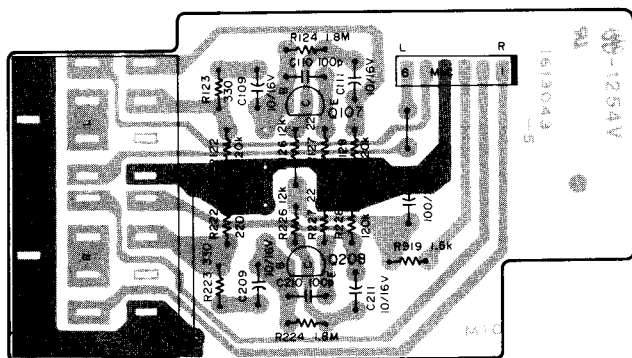
NR SW. PCB Assy (V-400X)



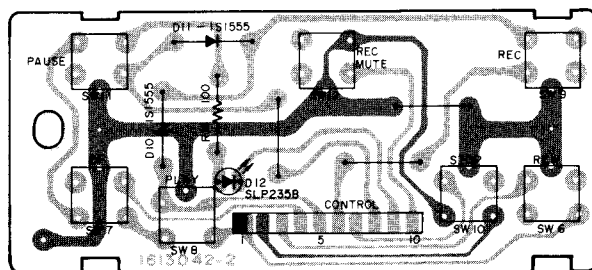
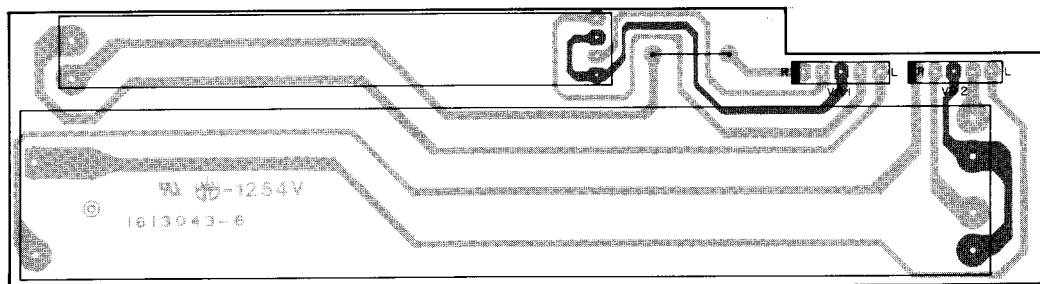
METER PCB Assy



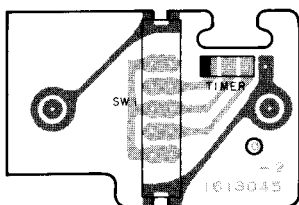
MIC PCB Assy



OPERATION SW . PCB Assy

**VR PCB Assy**

TIMER PCB Assy



LED PCB Assy



REC/PLAY AMPL. PCB Assy

REF. NO.	PARTS NO.	DESCRIPTION
	5760506210	PCB Assy (V-500X)
	5760506200	PCB Assy (V-400X)
	5760507600	PCB
	IC's	
U101	5760398900	TA75557S
U902	5220418000	LA2000
U903	5220019400	TC4069UBP
	TRANSISTORS	
Q101, Q201	5230770100	2SC2240BL
Q102, Q202	5230770100	2SC2240BL
Q103, Q203	5230774900	2SC2878A
Q104, Q204	5230770100	2SC2240BL
Q105, Q205	5230770100	2SC2240BL
Q106, Q206	5760507700	2SJ103Y, FET
Q108, Q208	5145151000	2SC1815GR
Q109, Q209	5145151000	2SC1815GR
Q110, Q210	5145151000	2SC1815GR
Q111, Q211	5145151000	2SC1815GR
Q112, Q212	5230774900	2SC2878A
Q113, Q213	5145151000	2SC1815GR
Q901	5230773800	2SC2655Y (V-500X)
Q905, Q906	5145150000	2SA1015GR
Q907, Q908	5145151000	2SC1815GR
Q909	5145150000	2SA1015GR
Q910, Q911	5145151000	2SC1815GR
Q912	5145150000	2SA1015GR
Q213~Q918	5145151000	2SC1815GR
Q919	5145150000	2SA1015GR
Q920, Q922	5145151000	2SC1815GR
	DIODES	
D901~D904△	5760088800	S5277B
D905, D906	5760088800	S5277B (V-500X)
D907	5760538400	05Z22Z, Zener (V-500X)
D908	5760538500	05Z3.3Y, Zener (V-500X)
D916~D919	5760399200	1S1555
D921~D923	5760399200	1S1555
D925, D926	5760399200	1S1555
D927	5760507800	05Z18X, Zener
D928~D935	5760399200	1S1555
	RESISTORS	
All resistors are rated ±5% tolerance and ¼W and are carbon type unless otherwise noted.		
R101, R201	5240165800	100Ω
R102, R202	5240167000	330Ω
R104, R204	5240170200	6.8kΩ
R105, R205	5240169400	3.3kΩ
R106, R206	5240171400	22kΩ
R107, R207	5240174600	470kΩ
R108, R208	5240172600	68kΩ
R109, R209	5240166000	120Ω
R110, R210	5240170000	5.6kΩ
R111, R211	5240172800	82kΩ
R112, R212	5240173800	220kΩ
R113, R213	5240169900	5.1kΩ
R114, R214	5240169400	3.3kΩ
R115, R215	5240167800	680Ω
R116, R216	5240174600	470kΩ
R118, R218	5240170800	12kΩ
R119, R219	5240169200	2.7kΩ
R121, R221	5181518000	33kΩ
R130, R230	5240169600	3.9kΩ
R151, R251	5181498000	4.7kΩ

REF. NO.	PARTS NO.	DESCRIPTION
R152, R252	5240169800	4.7k Ω
R153, R253	5240169600	3.9k Ω
R154, R254	5240174000	270k Ω
R155, R255	5240172400	56k Ω (V-500X)
R155, R255	5240171800	33k Ω (V-400X)
R156, R256	5240171400	22k Ω
R157, R257	5240169400	3.3k Ω (V-500X)
R157, R257	5240168800	1.8k Ω (V-400X)
R158, R258	5240173800	220k Ω
R162, R262	5240165400	68 Ω (V-500X)
R162, R262	5240166600	220 Ω (V-400X)
R183, R283	5240169000	2.2k Ω
R184, R284	5240173000	100k Ω
R185, R285	5240170600	10k Ω
R186, R286	5240164800	39 Ω
R187, R287	5240168200	1k Ω
R188, R288	5240173000	100k Ω
R189, R289	5240169200	2.7k Ω
R190, R290	5240168600	1.5k Ω
R191, R291	5240168200	1k Ω
R192, R292	5181510000	15k Ω
R901	5240168200	1k Ω
R902	5760538700	4.7 Ω $\frac{1}{4}W$ Fuse (V-500X)
R903	5181498000	4.7k Ω (V-500X)
R904, R905	5240166600	220 Ω (V-500X)
R913	5240172200	47k Ω
R914	5240170600	10k Ω
R915	5181486000	1.5k Ω
R916	5240174600	470k Ω
R917	5240170000	5.6k Ω
R918	5181500000	5.6k Ω
R920, R921	5240170000	5.6k Ω
R922, R923	5240170600	10k Ω
R924, R925	5240171400	22k Ω
R926, R927	5240163400	10 Ω
R928	5240168200	1k Ω
R929	5181466000	220 Ω
R930	5181492000	2.7k Ω (V-400X)
R931	5181472000	390 Ω (V-500X)
R931	5760538800	220 Ω 1W (V-400X)
R932	5760538800	220 Ω 1W (V-500X)
R932	5760401900	120 Ω 1W (V-400X)
R933	5760508800	15 Ω Fuse
R934	5240165800	100 Ω
R935	5240169200	2.7k Ω
R936	5240174000	270k Ω
R937, R938	5240168200	1k Ω
R939	5240167600	560 Ω
R940	5240171800	33k Ω
R941	5240172200	47k Ω
R942	5240172600	68k Ω
R943	5181530000	100k Ω
R948	5240167400	470 Ω
R949	5181530000	100k Ω
R950	5240170600	10k Ω
R951	5181498000	4.7k Ω
R952	5240171800	33k Ω
R953	5181498000	4.7k Ω
R955	5240169800	4.7k Ω
R956	5240172600	68k Ω
R957	5240171800	33k Ω
R958	5240167400	470 Ω
R959	5240169800	4.7k Ω
R960	5240168200	1k Ω
R961	5240170600	10k Ω
R962	5181466000	220 Ω
R963	5181508000	12k Ω
R964	5240168800	1.8k Ω
R968	5760508900	8.2 Ω $\frac{1}{4}W$ Fuse

REF. NO.	PARTS NO.	DESCRIPTION
CAPACITORS		
C101, C201	5260162550	Elec. 10 μ F 16V
C102, C202	5172221000	Mylar 560pF
C103, C203	5172220000	Ceramic 470pF
C104, C204	5171860000	Mylar 0.015 μ F
C105, C205	5172208000	Ceramic 47pF
C106, C206	5260165052	Elec. 47 μ F 10V
C107, C207	5260162550	Elec. 10 μ F 16V
C113, C213	5260220850	Elec. 0.33 μ F 50V
C114, C214	5260162550	Elec. 10 μ F 16V
C115, C215	5260160750	Elec. 1 μ F 50V
C118, C218	5170368000	Mylar 4700pF (V-500X)
C118, C218	5171860000	Mylar 0.015 μ F (V-400X)
C119, C219	5172220000	Ceramic 470pF
C121, C221	5260160750	Elec. 1 μ F 50V
C122, C222	5260166052	Elec. 100 μ F 16V
C123, C223	5260162150	Elec. 4.7 μ F 50V
C124, C224	5172216000	Ceramic 220pF
C125, C225	5260162550	Elec. 10 μ F 16V
C901	△ 5760509000	Elec. 4700 μ F 35V
C902	5260164252	Elec. 33 μ F 16V
C903	5260165252	Elec. 47 μ F 25V
C904	5260165252	Elec. 47 μ F 25V (V-500X)
C905	5173048800	Elec. 100 μ F 50V (V-500X)
C906	5260165252	Elec. 47 μ F 25V (V-500X)
C912	5172220000	Ceramic 470pF
C913	5260165952	Elec. 100 μ F 10V
C914	5260162150	Elec. 4.7 μ F 50V
C915	5760156900	Polysty. 3900pF 125V
C918, C920	5260162550	Elec. 10 μ F 16V
C921	5171860000	Mylar 0.015 μ F (V-500X)
C921	5171856000	Mylar 0.01 μ F (V-400X)
C922, C923	5170364000	Mylar 3300pF
C925	5260220750	Elec. 0.22 μ F 50V
C926	5260166052	Elec. 100 μ F 16V
C927	5260160550	Elec. 0.47 μ F 50V
C928	5260162150	Elec. 4.7 μ F 50V
C929	5260220750	Elec. 0.22 μ F 50V
C931	5260162650	Elec. 10 μ F 25V
C932	5260166152	Elec. 100 μ F 25V
C933	5260162150	Elec. 4.7 μ F 50V
C935, C936	5260162150	Elec. 4.7 μ F 50V
C937	5171856000	Mylar 0.01 μ F
C938	5260162150	Elec. 4.7 μ F 50V
C939	5260162150	Elec. 47 μ F 16V
C941	5173434000	Ceramic 0.022 μ F 50V
VARIABLE RESISTORS		
R11, R21	5150233000	Semi-fixed 20k Ω (B)
R12, R22	5150096000	Semi-fixed 100k Ω (B)
R13, R23	5150094000	Semi-fixed 50k Ω (B)
R14, R24	5150094000	Semi-fixed 50k Ω (B)
MISCELLANEOUS		
T101, T201	5760398200	Coil, Bias Trap; 85kHz
T901	5760398100	Coil, OSC
L101, L201	5760538600	Coil, 12mH (V-500X)
	5760398400	Coil, 5.6mH (V-400X)
	5760508400	Connector Socket, 4P
	5760508500	Connector Socket, 6P
	5760508600	Connector Socket, 7P
	5760508700	Connector Socket, 8P
	5760397400	Holder, Fuse [E, UK, A]
	△ 5760513400	Fuse, T800mA [E, UK, A]

CONTROL PCB Assy

REF. NO.	PARTS NO.	DESCRIPTION
	5760507010	PCB Assy (V-500X)
	5760507000	PCB Assy (V-400X)
	5760509100	PCB
IC's		
U1	5220019400	TC4069UBP
U3	5293000900	TD62504P (V-500X)
U4	5760509200	TC4081BP
U5	5220019500	TC4071BP
U6	5760509300	1810461
U7	5220019600	TC9144P
U8	5760509400	TA78L005AM
U9	5760509200	TC4081BP (V-500X)
U10	5220019100	TC4011BP
TRANSISTORS		
Q1	5760509500	2SC3402
Q2	5230770400	2SC1815BL (V-400X)
Q3	5230770400	2SC1815BL (V-500X)
Q4	5145150000	2SA1015GR
Q5, Q6	5230770400	2SC1815GR
Q7~Q10	5760509500	2SC3402
Q11, Q12	5230770400	2SC1815BL (V-500X)
Q13	5230770400	2SC1815BL
Q14~Q19	5230773800	2SC2655Y
DIODES		
D1~D7	5760399200	1S1555
D8	5760399200	1S1555 (V-400X)
D9, D13	5760399200	1S1555
D14	5760399200	1S1555 (V-500X)
D15~D23	5760399200	1S1555
D24	5760399200	1S1555 (V-500X)
D25	5760399200	1S1555 (V-400X)
D29	5760399200	1S1555
D30~D36	5760088800	S5277B
D37, D38	5760399200	1S1555
D39, D40	5760088800	S5277B
D41~D43	5760399200	1S1555
D44	5760399200	1S1555 (V-500X)
D46, D47	5760399200	1S1555 (V-500X)
D48	5760399200	1S1555
D49	5760399200	1S1555
RESISTORS		
All resistors are rated $\pm 5\%$ tolerance and $\frac{1}{4}W$ and are carbon type unless otherwise noted.		
R1	5240166600	220 Ω
R2	5240168200	1k Ω
R3	5240176200	2.2M Ω
R4	5240170600	10k Ω
R5	5240173600	180k Ω
R6	5240170600	10k Ω
R7	5240170600	10k Ω (V-500X)
R8	5240172200	47k Ω (V-400X)
R9, R10	5240170600	10k Ω (V-400X)
R11	5240167400	470 Ω (V-500X)
R12	5240173800	220k Ω (V-500X)
R13	5240172200	47k Ω (V-500X)
R15	5240173000	100k Ω
R16, R19	5240170600	10k Ω

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

DOLBY B/C PCB Assy (V-500X)

REF. NO.	PARTS NO.	DESCRIPTION
R21	5240170600	10k Ω
R22	5240170600	10k Ω
R23	5240175000	680k Ω
R24	5240173000	100k Ω
R25	5240170600	10k Ω
R26	5240173000	100k Ω
R27	5240170600	10k Ω
R28	5240173000	100k Ω
R29	5240165800	100 Ω
R30	5240162800	5.6 Ω
R31	5240173000	100k Ω
R32	5240170600	10k Ω
R33	5240173000	100k Ω
R34	5240165800	100 Ω
R35	5240169800	4.7k Ω
R36	5240172200	47k Ω
R37	5240170600	10k Ω
R38	5240172200	47k Ω
R39	5240170600	10k Ω
R40	5240165800	100 Ω
R41~R43	5240172200	47k Ω (V-500X)
R44, R45	5240173000	100k Ω
R49	5240173000	100k Ω
R50, R51	5240170600	10k Ω
R52	5240167400	470 Ω
R53	5240168200	1k Ω
R54	5760509600	4.7 Ω , Fuse $\frac{1}{2}$ W
R55	5240167000	330 Ω
R56	5180078000	680 Ω $\frac{1}{2}$ W
R57	5240167400	470 Ω
R58	5240170600	10k Ω
R59	5240167400	470 Ω
R60, R62	5240170600	10k Ω
R63	5240172200	47k Ω
R64	5240170600	10k Ω
R65, R66	5240173000	100k Ω (V-500X)
R67, R68	5240170600	10k Ω (V-500X)
R69	5240172200	47k Ω (V-500X)
R70	5240170600	10k Ω (V-500X)
R71	5240169800	4.7k Ω
CAPACITORS		
C1, C2	5260162150	Elec. 4.6 μ F 25V
C3	5260162550	Elec. 10 μ F 16V
C4	5260065650	Elec. 1 μ F 50V (B.P) (V-400X)
C5	5260160750	Elec. 1 μ F 50V
C6	5260161150	Elec. 2.2 μ F 25V
C7	5260162550	Elec. 10 μ F 16V
C8	5260161150	Elec. 2.2 μ F 25V
C9	5260162550	Elec. 10 μ F 16V
C10, C11	5260162150	Elec. 4.7 μ F 25V
C12	5172236000	Ceramic 0.01 μ F
C13	5171872000	Mylar 0.047 μ F
C14~C16	5260162100	Elec. 4.7 μ F 25V (V-500X)
C17	5173083000	Elec. 1000 μ F 35V
C18	5173090000	Elec. 2200 μ F 35V
C19	5260166052	Elec. 100 μ F 10V
C20	5173072000	Elec. 470 μ F 16V
C21	5172236000	Ceramic 0.01 μ F
C22	5172236000	Ceramic 0.01 μ F (V-500X)
C23	5260160750	Elec. 1 μ F 50V
C24	5171872000	Mylar 0.047 μ F
C25	5260160750	Elec. 1 μ F 50V
C26	5172236000	Ceramic 0.01 μ F
C28	5172236000	Ceramic 0.01 μ F

REF. NO.	PARTS NO.	DESCRIPTION
	5760516700	PCB Assy
	5760516800	PCB
IC's		
IC301	5760516900	CX20027
IC302	5760510200	TA75558S
IC402	5760517000	CX20028
TRANSISTORS		
Q301, Q401	5145151000	2SC1815GR
Q302, Q402	5145151000	2SC1815GR
Q303	5145150000	2SA1015GR
Q304	5145151000	2SC1815GR
DIODE		
D301	5760399200	1S1555
CARBON RESISTORS		
All resistors are rated $\pm 5\%$ tolerance and $\frac{1}{4}$ W.		
R301, R401	5240172200	47k Ω
R302, R402	5240170000	5.6k Ω
R303, R403	5240169000	2.2k Ω
R304, R404	5240171000	15k Ω
R305, R405	5240167800	680 Ω
R306, R406	5240171000	15k Ω
R307, R407	5240171400	22k Ω
R308, R408	5240169700	4.3k Ω
R310, R410	5240169400	3.3k Ω
R311, R411	5240174600	470k Ω
R312, R412	5240167500	510 Ω
R313, R413	5240169600	3.9k Ω
R314, R414	5240173900	240k Ω
R315, R415	5240173700	220k Ω
R316, R416	5240173800	220k Ω
R317, R417	5240168900	2k Ω
R318, R418	5240169900	5.1k Ω
R319, R419	5240172200	47k Ω
R320, R420	5240169600	3.9k Ω
R321, R421	5240167100	360 Ω
R322, R422	5240173700	200k Ω
R323, R423	5240173800	220k Ω
R324, R424	5240172800	82k Ω
R325, R425	5240173200	120k Ω
R326, R426	5240173000	100k Ω
R327, R427	5240170600	10k Ω
R328, R428	5240173000	100k Ω
R329, R429	5240169400	3.3k Ω
R330, R430	5240169400	3.3k Ω
R331, R431	5240173800	220k Ω
R332, R432	5240170800	12k Ω
R333, R433	5240173000	100k Ω
R334, R434	5240168200	1k Ω
R335, R435	5240168200	1k Ω
R336, R436	5760517200	91k Ω 2%
R350	5240172200	47k Ω
R351	5240170600	10k Ω
R352~R354	5240172200	47k Ω
R356	5240170600	10k Ω

REF. NO.	PARTS NO.	DESCRIPTION
CAPACITORS		
C301, C401	5260162150	Elec. 4.7 μ F 25V
C302, C402	5260162150	Elec. 4.7 μ F 25V
C303, C403	5263107210	Polysty. 560pF
C304, C404	5171856000	Mylar 0.01 μ F 50V 5%
C305, C405	5171866000	Mylar 0.027 μ F 50V 5%
C306, C406	5263162323	Metalized 0.12 μ F 50V 5%
C307, C407	5171876000	Mylar 0.068 μ F 50V 5%
C308, C408	5263162523	Metalized 0.18 μ F 50V 5%
C309, C409	5263162723	Metalized 0.27 μ F 50V 5%
C310, C410	5171856000	Mylar 0.01 μ F 50V 5%
C311, C411	5171860000	Mylar 0.015 μ F 50V 5%
C312, C412	5263162323	Metalized 0.12 μ F 50V 5%
C313, C413	5171876000	Mylar 0.068 μ F 50V 5%
C314, C414	5263162523	Metalized 0.18 μ F 50V 5%
C315, C415	5260162150	Elec. 4.7 μ F 25V
C316, C416	5260160750	Elec. 1 μ F 50V
C317, C417	5260160750	Elec. 1 μ F 50V
C318, C481	5170364000	Mylar 3300pF
C320, C420	5260165952	Elec. 100 μ F 10V
C321, C421	5172218000	Ceramic 330pF 50V 5%
MISCELLANEOUS		
L301, L401	5760517100	Coil
L302, L402	5760398300	Filter, Dolby
	5760398800	Pin, Connector

REF. NO.	PARTS NO.	DESCRIPTION
CAPACITORS		
C301, C401	5260160750	Elec. 1 μ F 50V
C302, C402	5172212000	Ceramic 100pF
C303, C403	5173054800	Elec. 220 μ F 16V
C304, C404	5170370000	Mylar 5600pF
C305, C405	5170368000	Mylar 4700pF
C306, C406	5171866000	Mylar 0.027 μ F
C307, C407	5171872000	Mylar 0.047 μ F
C308, C408	5260162550	Elec. 10 μ F 16V
C309, C409	5263162223	Metalized 0.1 μ F
C310, C410	5260220850	Elec. 0.33 μ F 50V
C311, C411	5260162550	Elec. 10 μ F 16V
C312, C412	5260162550	Elec. 10 μ F 16V
C313	5260160750	Elec. 1 μ F 50V
C314, C414	5170364000	Mylar 3300pF
C315, C415	5260162550	Elec. 10 μ F 16V
MISCELLANEOUS		
L301, L401	5760398300	Filter, Dolby
	5760398800	Pin Connect
	5760509800	Plug, Connect (6P)
	5760509900	Plug, Connector (7P)

DOLBY B PCB Assy (V-400X)

REF. NO.	PARTS NO.	DESCRIPTION
	5760507300	PCB Assy
	5760509700	PCB
IC's		
IC301, IC401	5220412600	TA7629P
IC302	5220013400	TC4066BP
TRANSISTORS		
Q301~Q304	5145151000	2SC1815GR
CARBON RESISTORS		
All resistors are rated $\pm 5\%$ tolerance and $\frac{1}{4}W$.		
R301, R401	5240173000	100k Ω
R302, R402	5240172200	47k Ω
R304, R404	5240166400	180 Ω
R305, R405	5240169400	3.3k Ω
R306, R406	5240172200	47k Ω
R307, R407	5240173400	150k Ω
R308, R408	5240174000	270k Ω
R309	5240171600	27k Ω
R310, R410	5240170800	12k Ω
R311	5240171400	22k Ω
R313	5240173000	100k Ω
R315	5240172200	47k Ω
R316, R317	5240173000	100k Ω
R319	5240172200	47k Ω
R320	5240174000	270k Ω

DBX PCB Assy

REF. NO.	PARTS NO.	DESCRIPTION
	5760507400	PCB Assy
	5760510000	PCB
IC's		
U971	5760509400	TA78L005P
U972	5760510100	AN6291
U973	5760510200	TA75558S
U974	5220013400	TC4066BP
U975	5220020000	TC4049BP
TRANSISTORS		
Q501~Q506	5145151000	2SC1815GR
Q601~Q606	5145151000	2SC1815GR
Q971, Q972	5145151000	2SC1815GR
Q973, Q974	5145150000	2SA1015GR
DIODE		
D973	5760399200	1S1555
CARBON RESISTORS		
All resistors are rated $\pm 5\%$ tolerance and $\frac{1}{4}W$.		
R501, R601	5240231000	15k Ω 2%
R502, R602	5240228200	1k Ω 2%
R503, R603	5240172500	62k Ω
R504, R604	5240172700	75k Ω
R505, R605	5240169400	3.3k Ω
R506, R606	5240171400	22k Ω
R507, R607	5240171400	22k Ω
R508, R608	5240170800	8.2k Ω
R509, R609	5240171800	33k Ω
R510, R610	5240173400	150k Ω

NR SW. PCB Assy

REF. NO.	PARTS NO.	DESCRIPTION
R511, R611	5240173900	240kΩ
R512, R612	5240169800	4.7kΩ
R513, R613	5240171800	33kΩ
R514, R614	5240170200	6.8kΩ
R515, R615	5240169400	3.3kΩ
R516, R616	5240169400	3.3kΩ
R517, R617	5240171400	22kΩ
R518, R618	5240171000	15kΩ
R519, R619	5240169800	4.7kΩ
R520, R620	5240168200	1kΩ
R521, R621	5240170600	10kΩ
R522, R622	5240166200	150Ω
R523, R623	5240169800	4.7kΩ
R524, R624	5240171000	15kΩ
R526, R626	5240173000	100kΩ
R527, R627	5240230500	9.1kΩ 2%
R528, R628	5240233400	150kΩ 2%
R529, R629	5240171800	33kΩ
R530, R630	5240165800	100Ω
R531, R631	5240173000	100kΩ
R532, R632	5240173000	100kΩ
R533, R633	5240173000	100kΩ
R534, R634	5240173000	100kΩ
R971, R972	5240173000	100kΩ
R973, R974	5240171400	22kΩ
R975, R976	5240170600	10kΩ
R977, R978	5240173000	100kΩ
R981~R983	5240171400	22kΩ
R984	5760510600	1kΩ 1%
CAPACITORS		
C501, C601	5263162623	Metarized 0.22μF
C502, C602	5263162223	Metarized 0.1μF
C503, C603	5263162223	Metarized 0.1μF
C504, C604	5170364000	Mylar 3300pF
C505, C605	5170364000	Mylar 3300pF
C506, C606	5263107010	Polypro. 470pF
C507, C607	5263163213	Metarized 0.68μF
C508, C608	5171864000	Mylar 0.022μF
C509, C609	5760510700	Elec. 10μF 16V
C510, C610	5171868000	Mylar 0.033μF
C511, C611	5263162823	Metarized 0.33μF
C512, C612	5170368000	Mylar 4700pF
C513, C613	5260165952	Elec. 100μF 10V
C514, C614	5263106800	Polypro. 390pF
C515, C615	5171864000	Mylar 0.022μF
C516, C616	5260162550	Elec. 10μF 16V
C517, C617	5260162550	Elec. 10μF 16V
C518, C618	5173407000	Ceramic 12pF
C519, C619	5260162550	Elec. 10μF 16V
C520, C620	5260162550	Elec. 10μF 16V
C521, C621	5260162550	Elec. 10μF 16V
C522, C622	5260162550	Elec. 10μF 16V
C972	5260165952	Elec. 100μF 10V
C973, C945	5260162550	Elec. 10μF 16V
MISCELLANEOUS		
SR791	5760510500	Semi-fixed 2kΩ(B)
	5760510300	Plug, Connector (4P)
	5760510400	Plug, Connector (8P)

REF. NO.	PARTS NO.	DESCRIPTION
	5760507510	PCB Assy (V-500X)
	5760507500	PCB Assy (V-400X)
	5760512300	PCB
DIODES		
D924	5760399200	1S1555 (V-500X)
D936, D937	5760399200	1S1555
CARBON RESISTORS		
All resistors are rated ±5% tolerance and ¼W.		
R131, R231	5240172200	47kΩ (V-500X)
R132, R232	5240171200	18kΩ (V-500X)
R159, R259	5240171200	18kΩ (V-500X)
R159, R259	5240170400	8.2kΩ (V-400X)
R160, R260	5240170400	8.2kΩ (V-500X)
R160, R260	5240170600	10kΩ (V-400X)
R161, R261	5240169800	4.7kΩ (V-400X)
R965~R967	5240167600	560Ω
R969	5240167600	560Ω (V-500X)
CAPACITORS		
C117, C217	5171860000	Mylar 0.015μF
C131, C231	5170352000	Mylar 1000pF (V-500X)
C132, C232	5170368000	Mylar 4700pF (V-500X)
MISCELLANEOUS		
	5760512400	Push Switch
	5760512500	Push Switch
	5760540300	Push Switch (V-500X)

METER PCB Assy

REF. NO.	PARTS NO.	DESCRIPTION
	5760506810	PCB Assy (V-500X)
	5760506800	PCB Assy (V-400X)
	5760511500	PCB
IC's		
IC101, IC201	5760511600	AN6891
LEDs		
LED101~107	5760461900	LN350, RED
LED201~207	5760461900	LN350, RED
LED108~112	5760461800	LN250WP, YELLOW
LED208~212	5760461800	LN250WP, YELLOW
LED901	5760461900	LN250, RED (V-500X)
LED902~906	5760461900	LN250, RED
CARBON RESISTORS		
R181, R281	5181500000	5.6kΩ 5% ¼W
R182, R282	5181528000	82kΩ 5% ¼W
R960	5181474000	470Ω 5% ¼W
CAPACITORS		
C120, C220	5760462000	Elec. 4.7μF 25V
C917	5760511700	Elec. 10μF 16V
MISCELLANEOUS		
SW15~SW19	5760512100	Switch, Tact (V-500X)

MIC PCB Assy

REF. NO.	PARTS NO.	DESCRIPTION
	5760506600	PCB Assy
	5760511200	PCB
TRANSISTORS		
Q107, Q207	5042366000	2SC732BL
CARBON RESISTORS		
All resistors are rated $\pm 5\%$ tolerance $\frac{1}{4}W$.		
R122, R222	5240173800	220k Ω
R123, R223	5240167000	330 Ω
R124, R224	5240176000	1.8M Ω
R126, R226	5240170800	12k Ω
R127, R227	5240164200	22 Ω
R128, R228	5240173200	120k Ω
R919	5240168200	1k Ω
CAPACITORS		
C109, C209	5260162550	Elec. 10 μF 16V
C110, C210	5172212000	Ceramic 100pF
C111, C211	5260162550	Elec. 10 μF 16V
C916	5260166052	Elec. 100 μF 16V

VR PCB Assy

REF. NO.	PARTS NO.	DESCRIPTION
	5760506700	PCB Assy
	5760511300	PCB
VR1	5760511400	Volume, Slide 20k Ω (A)
VR2	5760464600	Volume, Slide 50k Ω (A)

OPERATION SW PCB Assy

REF. NO.	PARTS NO.	DESCRIPTION
	5760507100	PCB Assy
	5760512000	PCB
D10, D11	5760399200	Diode 1S1555
D12	5225006400	LED SLP235B
R14	5240165800	100 Ω
SW6~SW12	5760512100	Switch, Tact

TIMER PCB Assy

REF. NO.	PARTS NO.	DESCRIPTION
	5760506900	PCB Assy
	5760511800	PCB
SW1	5760511900	Switch, Slide

LED PCB Assy

REF. NO.	PARTS NO.	DESCRIPTION
	5760507200	PCB Assy
	5760512200	PCB
D26~D28	5225012200	LED JLP173, RED
R46~R48	5240027020	Resistor 330 Ω 5% $\frac{1}{4}W$

REGULATOR PCB Assy (PC Board Omitted)

REF. NO.	PARTS NO.	DESCRIPTION
	5760506300	PCB Assy
	5760510800	PCB
IC901	Δ 5760399000	IC AN7812R

HEADPHONE PCB Assy (PC Board Omitted)

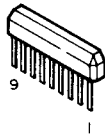
REF. NO.	PARTS NO.	DESCRIPTION
	5760506400	PCB Assy
	5760510900	PCB
	5760464800	Phone Jack

TR PCB Assy (PC Board Omitted)

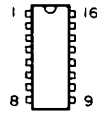
REF. NO.	PARTS NO.	DESCRIPTION
	5760506500	PCB Assy
	5760511000	PCB
Q921	Δ 5760511100	Transistor 2SD1266Q

SEMICONDUCTOR ELECTRODES

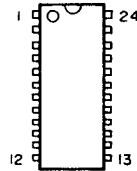
LA2000
TA75557S
NJM4560S



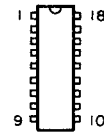
TC4049BP
TD62504P
TC9144P
TA7629P
(TOP VIEW)



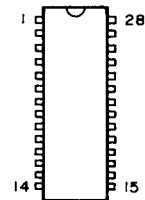
NE 654
(TOP VIEW)



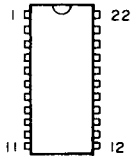
NE 652
(TOP VIEW)



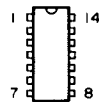
20028
20027
(TOP VIEW)



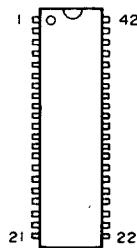
AN6291
(TOP VIEW)



TC 4066UBP
TC 4081BP
TC 4071BP
TC 4011BP
TC 4069UBP
(TOP VIEW)



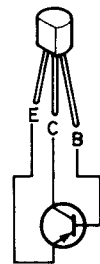
HD38755A58



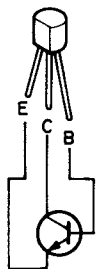
AN7812R



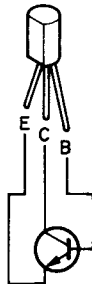
2SA1015GR



2SC732
2SC1815
2SC2240



2SC2655



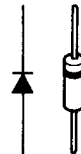
2SD1266
2SD880



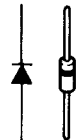
RD10EB3
05Z18X
05Z22Z
05Z3.3Y



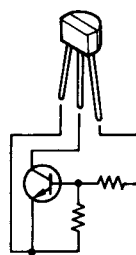
S5277B



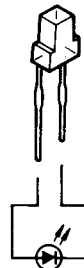
ISS53
IS1555



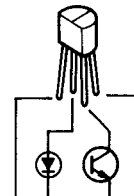
2SC3402



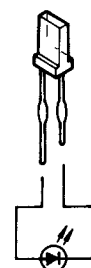
LN250WP
LN350WP



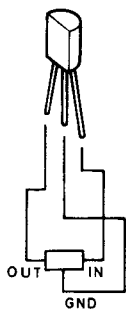
NJL5141EB



SLP173B



TA78L005AP



V-500X/V-400X

TEAC®

ティアック株式会社

本社 営業部 180・東京都武蔵野市中町3-7-3

電話 武蔵野 (0422) 53-1111代

製品についてのお問い合わせ
サービスに関するお問い合わせ

札幌営業所	064・札幌市中央区南7条西2-2くぼたビル	電話 札幌 (011) 521-4101代
仙台営業所	980・仙台市1番町2-5-5中央ビル	電話 仙台 (0222) 27-1501代
大宮営業所	330・大宮市桜木町4-2ローズベイト大宮ビル	電話 大宮 (0486) 42-4551代
東京営業所	100・東京都千代田区永田町2-10-7星ガ岡会館	電話 東京 (03) 592-1831代
千代田営業所	100・東京都千代田区永田町2-10-7星ガ岡会館	電話 東京 (03) 592-1836代
千葉出張所	280・千葉市松波1-11-3石橋松波ビル	電話 千葉 (0472) 55-1281代
立川営業所	190・東京都立川市栄町4-13-2	電話 立川 (0425) 25-4721代
横浜営業所	221・横浜市神奈川区沢渡1-1高島台第一ビル	電話 横浜 (045) 312-3270代
名古屋営業所	464・名古屋市千種区東山通り3-2-3	電話 名古屋 (052) 782-4581代
静岡出張所	420・静岡市中島大町2-8-61-1	電話 静岡 (0542) 81-6561代
大阪営業所	564・大阪府吹田市垂水町3-34-10	電話 大阪 (06) 384-5201代
京都出張所	600・京都市下京区大宮通四条下ル四条大宮町21番地三虎ビル	電話 京都 (075) 842-0751代
神戸出張所	650・神戸市中央区山本通り3-1-3谷ロマンション内	電話 神戸 (078) 242-2458代
岡山出張所	700・岡山市十日市中町1番40号	電話 岡山 (0862) 25-8601代
広島営業所	733・広島市中区中島町10-24	電話 広島 (082) 243-3581代
福岡営業所	812・福岡市博多区博多駅東2-17-5モリメンビル	電話 福岡 (092) 431-5781代

サービスに関するお問い合わせ

本社サービス課 180・東京都武蔵野市中町3-7-3
沖縄サービスセンター 901-22・沖縄県宜野湾市字喜友名2-2-9

電話 武蔵野 (0422) 53-3242代
電話 沖縄 (09889) 2-2020代

技術的なお問い合わせ

・テーブルデッキ相談室 180・東京都武蔵野市中町3-7-3

電話 武蔵野 (0422) 53-9213代

TEAC CORPORATION

3-7-3 NAKA-CHO MUSASHINO TOKYO PHONE (0422) 53-1111

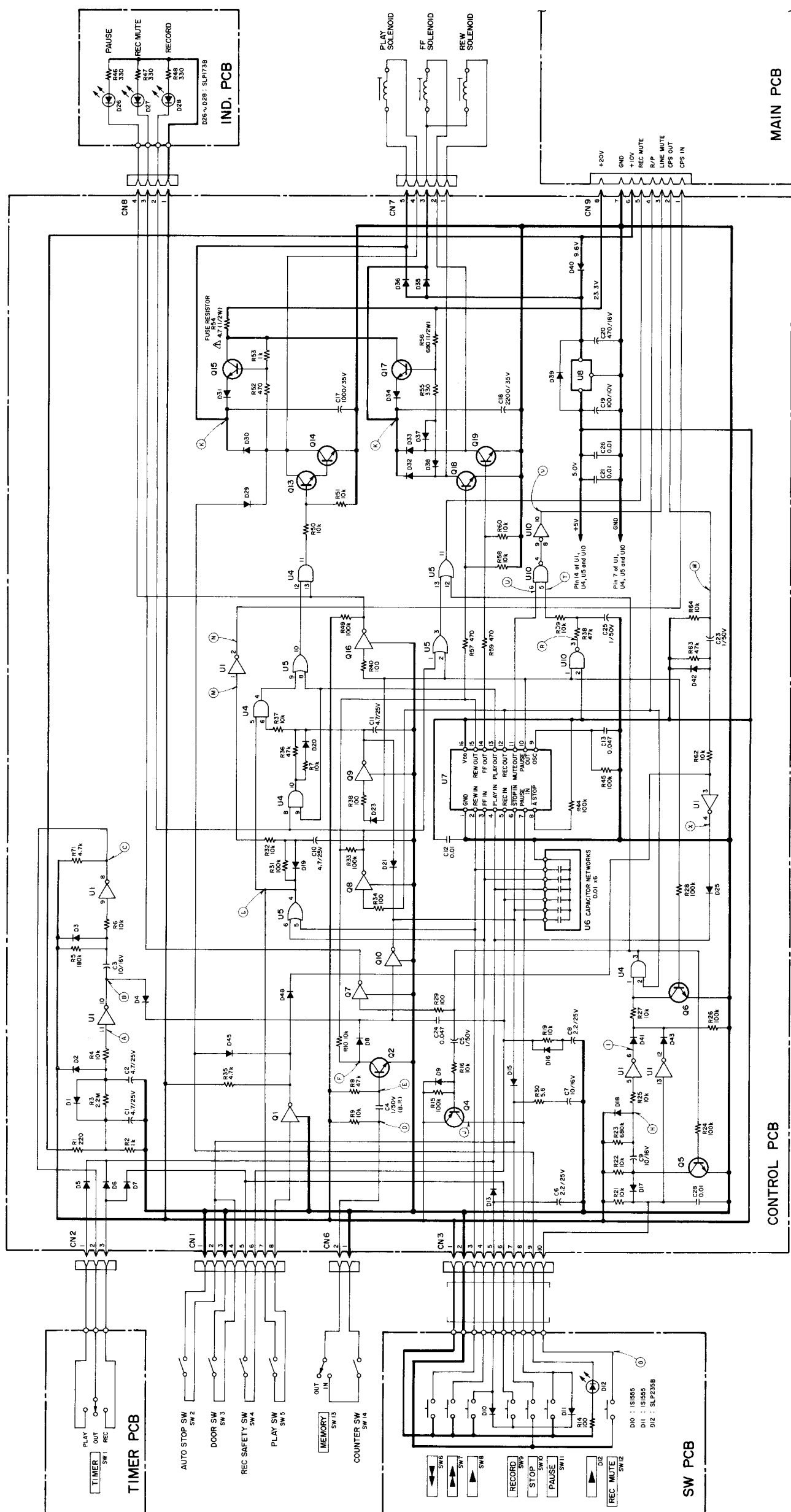
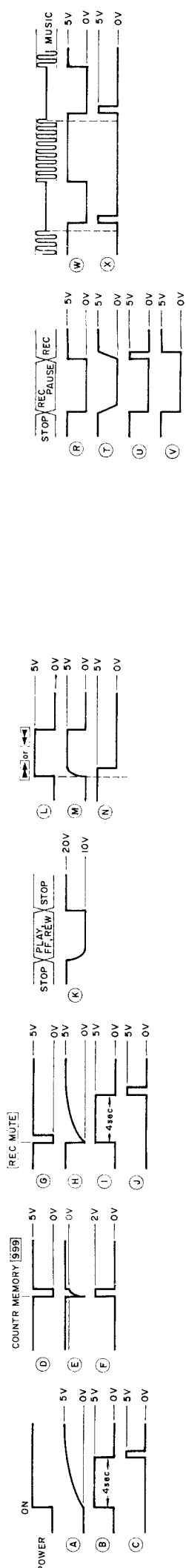
TEAC CORPORATION OF AMERICA

7733 TELEGRAPH ROAD MONTEBELLO CALIFORNIA 90640 PHONE (213) 726-0303

TEAC AUSTRALIA PTY., LTD.

115 WHITEMAN STREET SOUTH MELBOURNE VICTORIA 3205 PHONE 699-6000

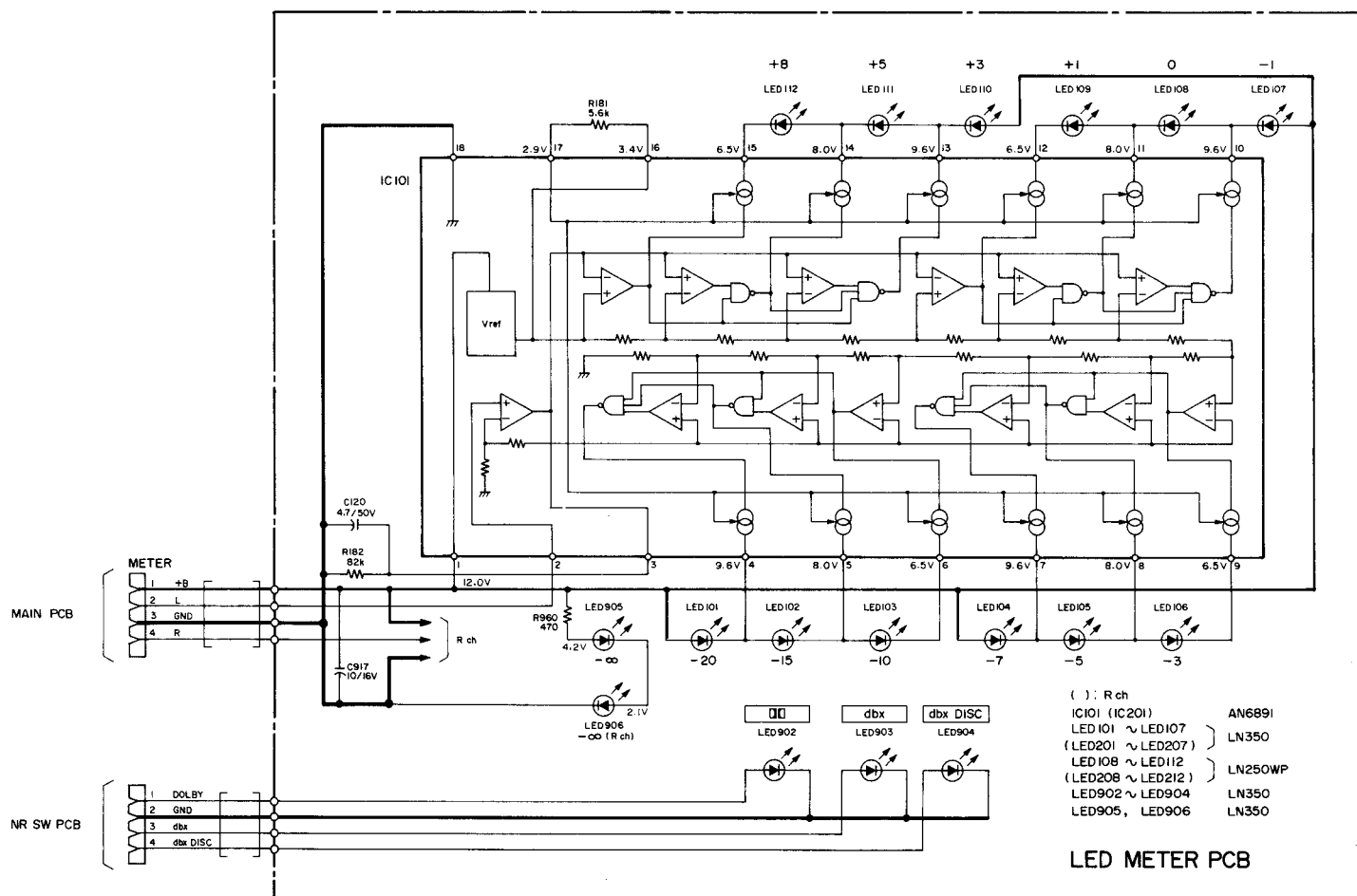
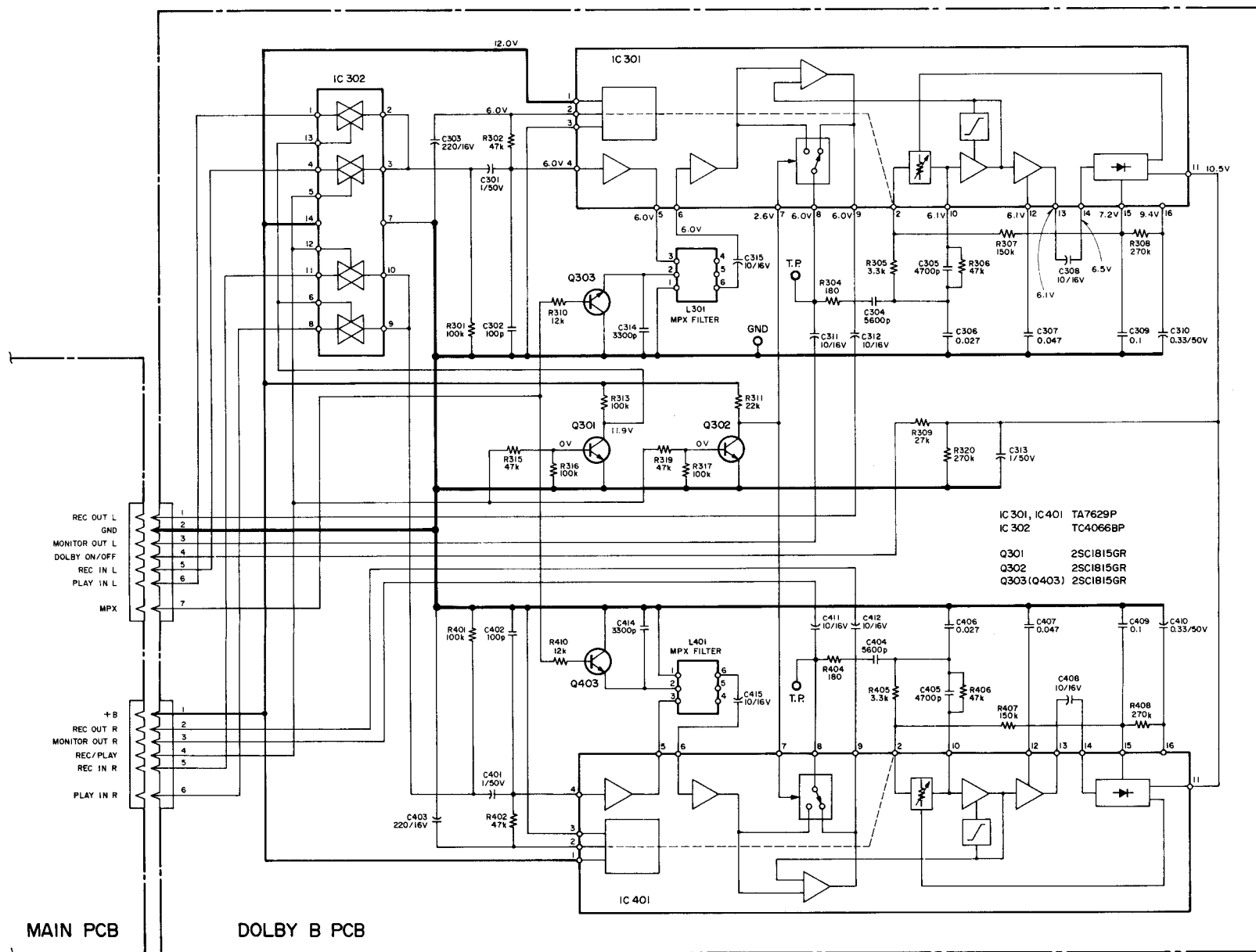
H



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

NOTES

1. All resistors are ¼ watt, $\pm 5\%$, unless marked otherwise. Resistor values are in ohms (k = 1,000 ohms).
2. All 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 TEAC parts list and ensure exact replacement.



4. Voltage and level values are for reference only.

0 dB = 0.775 V

Indicated values are those existing when the peak level meter indicates 0 dB.

Each Voltage value shown above is the one measured in REC PAUSE position and each mode.

5. : front panel indication

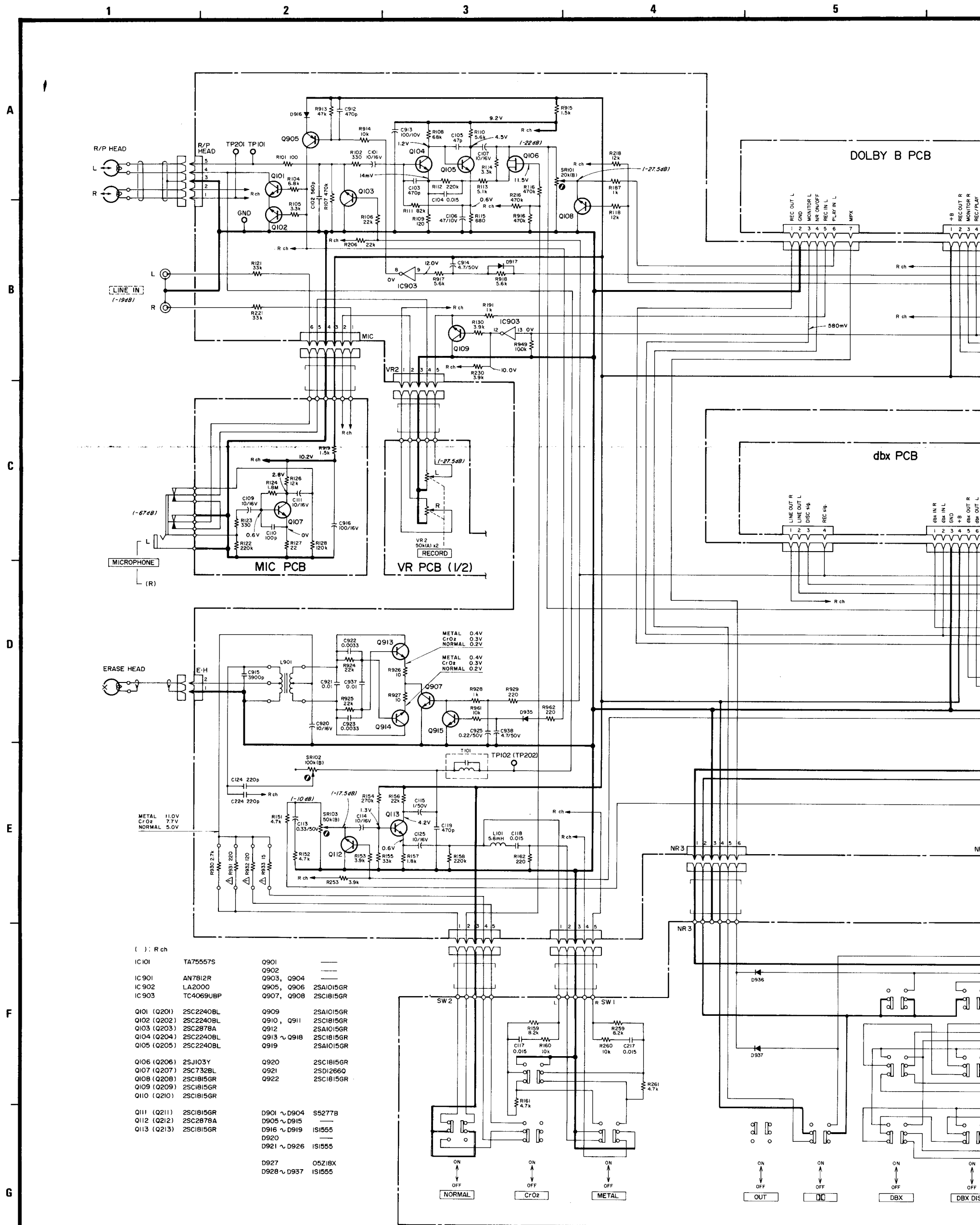
6. : rear panel indication

7. : +B power supply circuit

V-400X
Stereo Cassette Deck

October, 1983

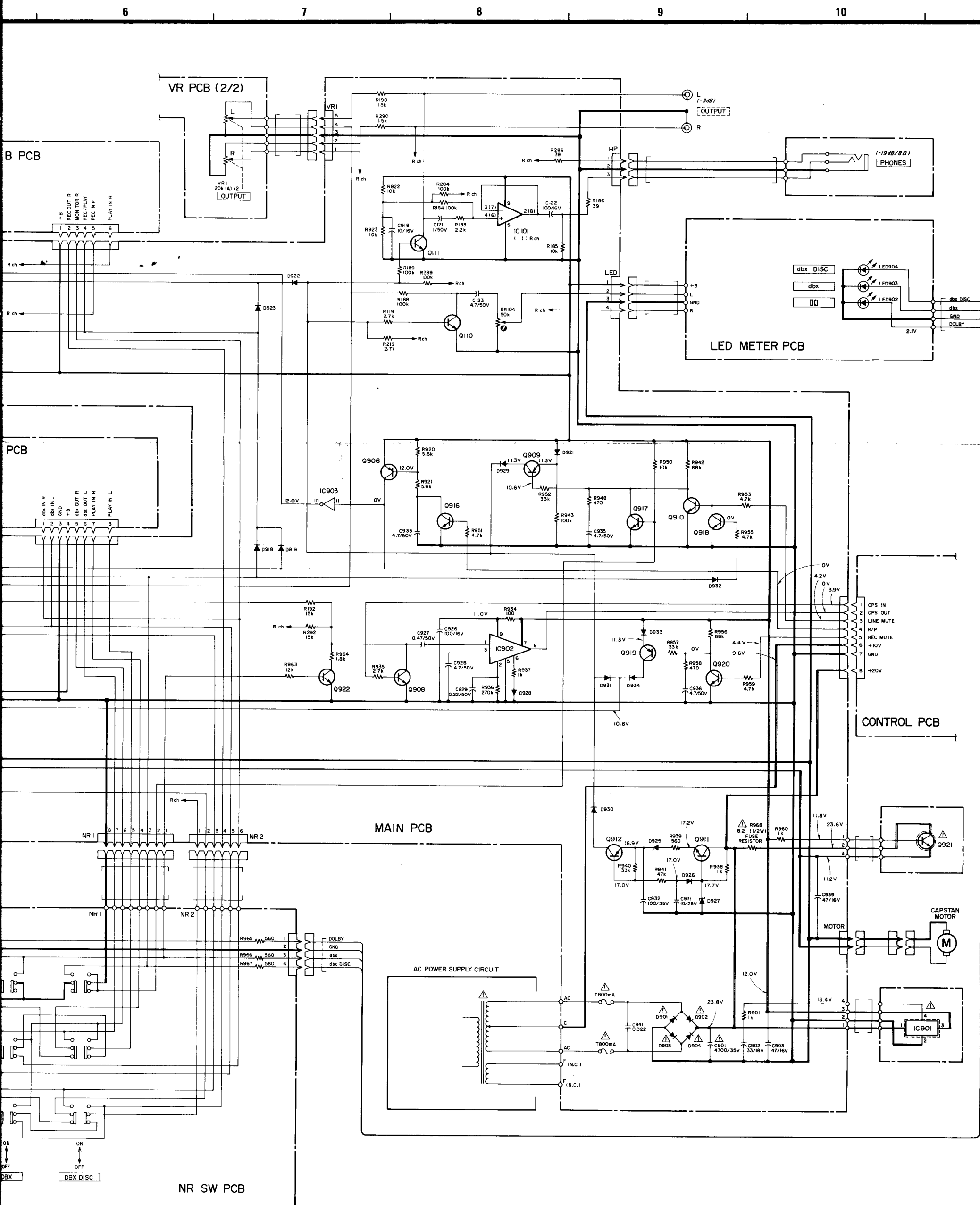
TEAC SCHEMATIC DIAGRAM (AMPLIFIER) V-400X



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

NOTES

1. Schematic diagram shown for left channel except for some components.
2. All resistors are 1/4 watt, $\pm 5\%$, unless marked otherwise. Resistor values are in ohms (k = 1,000 ohms).
3. All capacitor values are in microfarads (p = picofarads).
4. Δ Parts marked with this sign are safety critical components. They must always be replaced with identical components—TEAC parts list and ensure exact replacement.



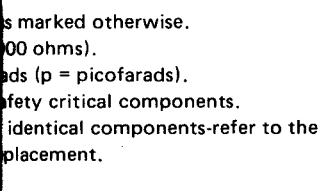
nel except for some of the components.
marked otherwise.
ohms).
(p = picofarads).
y critical components.
ntical components-refer to the
ement.

5. Voltage and level values are for reference only.
0 dB = 0.775 V
Indicated values are those existing when the peak level meter indicatis 0 dB.
Each Voltage value shown above is the one measured in REC PAUSE position and each mode.
6. : front panel indication
7. : rear panel indication
8. : +B power supply circuit

V-400X
Stereo Cassette Deck
October, 1983



1. All resistors are ¼ watt, $\pm 5\%$, unless marked otherwise.
Resistor values are in ohms (k = 1,000 ohms).
2. All 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 TEAC parts list and ensure exact replacement.



4. Voltage and level values are for reference only.
0 dB = 0.775 V
Indicated values are those existing when the peak level meter indicatis 0 dB.
Each Voltage value shown above is the one measured in REC PAUSE position and each mode.

5.  : front panel indication

6.  : rear panel indication

7.  +B power supply circuit

V-500X

Stereo Cassette Deck

October, 1983

TEAC SCHEMATIC DIAGRAM (AMPLIFIER) V-500X

1 2 3 4 5 6

A

B

C

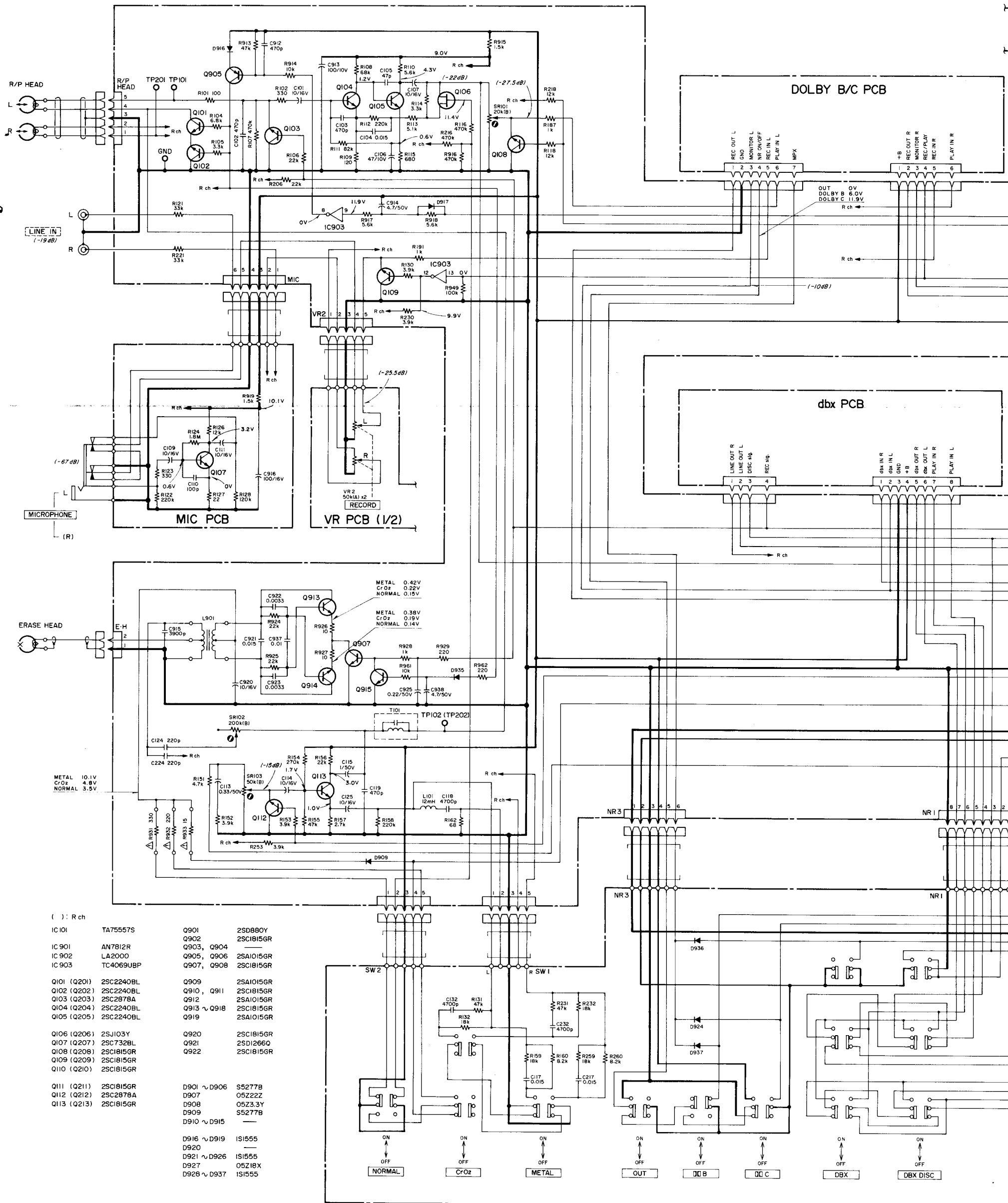
D

E

F

G

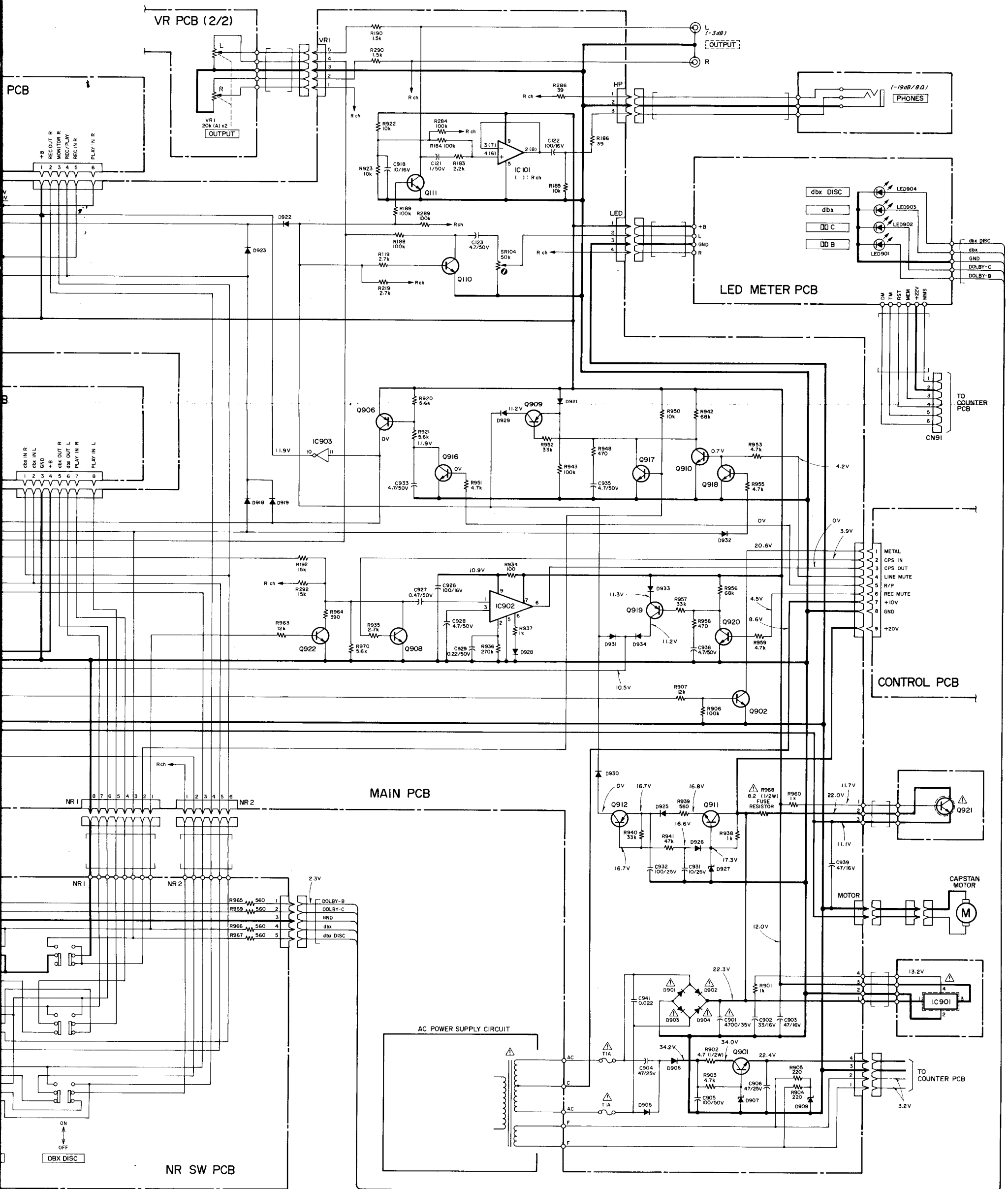
H



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

NOTES

- Schematic diagram shown for left channel except for some of the components.
- All resistors are 1/4 watt, $\pm 5\%$, unless marked otherwise. Resistor values are in ohms (k = 1,000 ohms).
- All capacitor values are in microfarads (p = picofarads).
- Parts marked with this sign are safety critical components. They must always be replaced with identical components—refer to the TEAC parts list and ensure exact replacement.



except for some of the components.
and otherwise.
(s).
picofarads).
tical components.
al components-refer to the
ent.

5. Voltage and level values are for reference only.
0 dB = 0.775 V
Indicated values are those existing when the peak level meter indicates 0 dB.
Each Voltage value shown above is the one measured in REC PAUSE position and each mode.
6. : front panel indication
7. : rear panel indication
8. +B power supply circuit

V-500X
Stereo Cassette Deck
October, 1983

A

B

C

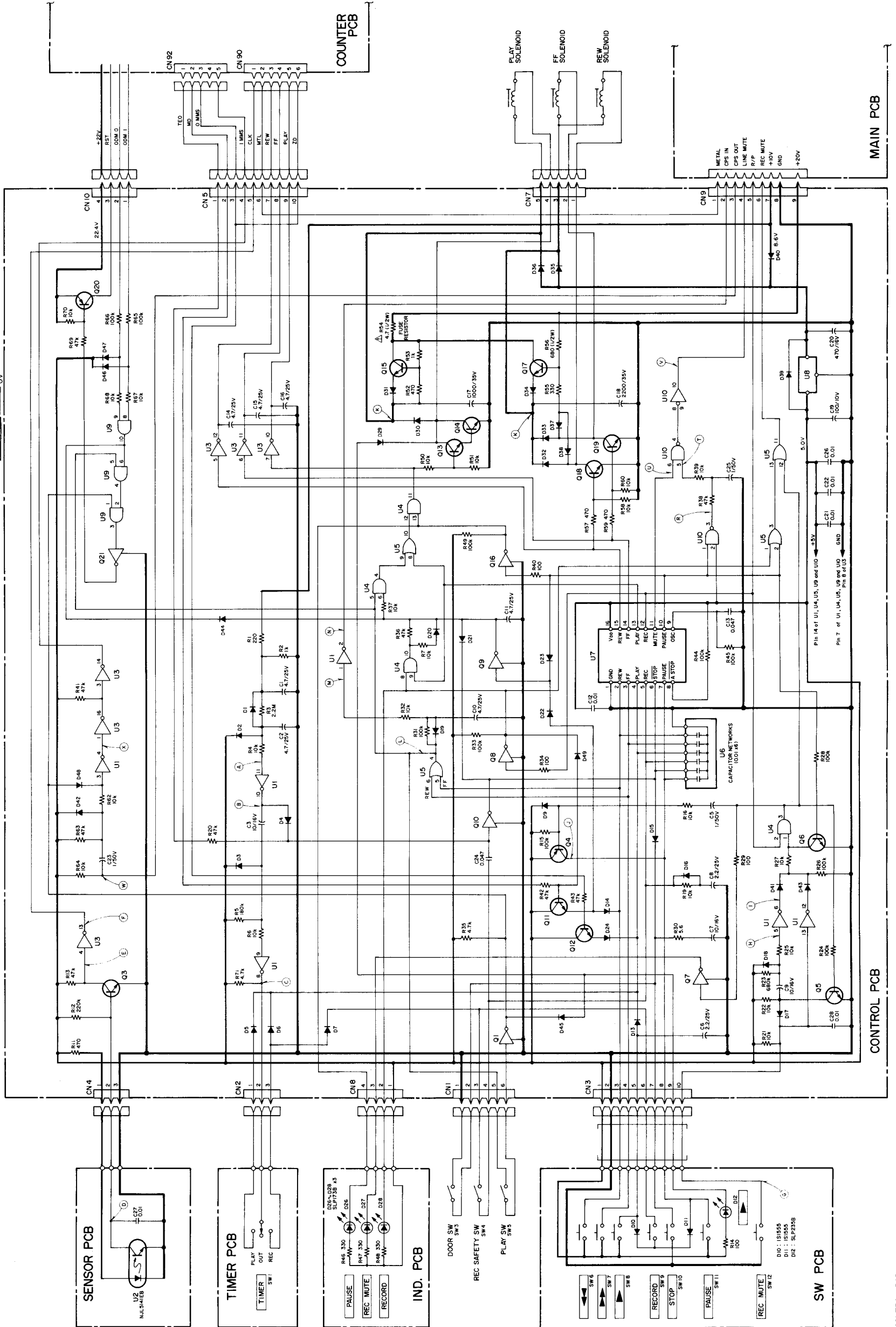
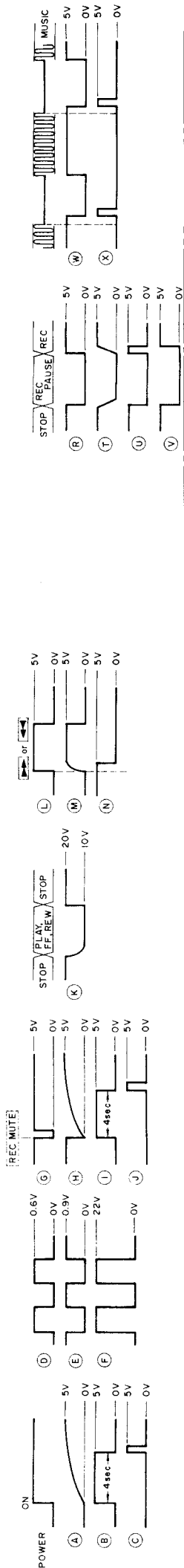
D

E

F

G

H



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

NOTES

1. All resistors are 1/4 watt, $\pm 5\%$, unless marked otherwise. Resistor values are in ohms (k = 1,000 ohms).
2. All capacitor values are in microfarads (p = picofarads).
3. Δ Parts marked with this sign are safety critical components. They must always be replaced with identical components—refer to TEAC parts list and ensure exact replacement.

CONTROL PCB

U1 TC4069BP

U2

U6 0.01uF x6

U7 TC9144P

Q1 25C3402

Q2

Q6 25C3402

Q7 25C3402

Q8 25C3402

Q9 25C3402

Q10 25C3402

Q11 25C3402

Q12 25C3402

Q13 25C3402

Q14 25C3402

Q15 25C3402

Q16 25C3402

Q17 25C3402

Q18 25C3402

Q19 25C3402

Q20 25C3402

Q21 25C3402

Q22 25C3402

Q23 25C3402

Q24 25C3402

Q25 25C3402

Q26 25C3402

Q27 25C3402

Q28 25C3402

Q29 25C3402

Q30 25C3402

Q31 25C3402

Q32 25C3402

Q33 25C3402

Q34 25C3402

Q35 25C3402

Q36 25C3402

Q37 25C3402

Q38 25C3402

Q39 25C3402

Q40 25C3402

Q41 25C3402

Q42 25C3402

Q43 25C3402

Q44 25C3402

Q45 25C3402

Q46 25C3402

Q47 25C3402

Q48 25C3402

Q49 25C3402

Q50 25C3402

Q51 25C3402

Q52 25C3402

Q53 25C3402

Q54 25C3402

Q55 25C3402

Q56 25C3402

Q57 25C3402

Q58 25C3402

Q59 25C3402

Q60 25C3402

Q61 25C3402

Q62 25C3402

Q63 25C3402

Q64 25C3402

Q65 25C3402

Q66 25C3402

Q67 25C3402

Q68 25C3402

Q69 25C3402

Q70 25C3402

Q71 25C3402

Q72 25C3402

Q73 25C3402

Q74 25C3402

Q75 25C3402

Q76 25C3402

Q77 25C3402

Q78 25C3402

Q79 25C3402

Q80 25C3402

Q81 25C3402

Q82 25C3402

Q83 25C3402

Q84 25C3402

Q85 25C3402

Q86 25C3402

Q87 25C3402

Q88 25C3402

Q89 25C3402

Q90 25C3402

Q91 25C3402

Q92 25C3402

Q93 25C3402

Q94 25C3402

Q95 25C3402

Q96 25C3402

Q97 25C3402

Q98 25C3402

Q99 25C3402

Q100 25C3402

Q101 25C3402

Q102 25C3402

Q103 25C3402

Q104 25C3402

Q105 25C3402

Q106 25C3402

Q107 25C3402

Q108 25C3402

Q109 25C3402

Q110 25C3402

Q111 25C3402

Q112 25C3402

Q113 25C3402

Q114 25C3402

Q115 25C3402

Q116 25C3402

Q117 25C3402

Q118 25C3402

Q119 25C3402

Q120 25C3402

Q121 25C3402

Q122 25C3402

Q123 25C3402

Q124 25C3402

Q125 25C3402

Q126 25C3402

Q127 25C3402

Q128 25C3402

Q129 25C3402

Q130 25C3402

Q131 25C3402

Q132 25C3402

Q133 25C3402

Q134 25C3402

Q135 25C3402

Q136 25C3402

Q137 25C3402

Q138 25C3402

Q139 25C3402

Q140 25C3402

Q141 25C3402

Q142 25C3402

Q143 25C3402

Q144 25C3402

Q145 25C3402

Q146 25C3402

Q147 25C3402

Q148 25C3402

Q149 25C3402

Q150 25C3402

Q151 25C3402

Q152 25C3402

Q153 25C3402

Q154 25C3402

Q155 25C3402

Q156 25C3402

Q157 25C3402

Q158 25C3402

Q159 25C3402

Q160 25C3402

Q161 25C3402

Q162 25C3402

Q163 25C3402

Q164 25C3402

Q165 25C3402

Q166 25C3402

Q167 25C3402

Q168 25C3402

Q169 25C3402

Q170 25C3402

Q171 25C3402

Q172 25C3402

Q173 25C3402

Q174 25C3402

Q175 25C3402

Q176 25C3402

Q177 25C3402

Q178 25C3402

Q179 25C3402

Q180 25C3402

Q181 25C3402

Q182 25C3402

Q183 25C3402

Q184 25C3402

Q185 25C3402

Q186 25C3402

Q187 25C3402

Q188 25C3402

Q189 25C3402

Q190 25C3402

Q191 25C3402

Q192 25C3402

Q193 25C3402

Q194 25C3402

Q195 25C3402

Q196 25C3402

Q197 25C3402

Q198 25C3402

Q199 25C3402

Q200 25C3402

Q201 25C3402

Q202 25C3402

Q203 25C3402

Q204 25C3402

Q205 25C3402

Q206 25C3402

Q207 25C3402

Q208 25C3402

Q209 25C3402

Q210 25C3402

Q211 25C3402

Q212 25C3402

Q213 25C3402

Q214 25C3402

Q215 25C3402

Q216 25C3402

Q217 25C3402

Q218 25C3402

Q219 25C3402

Q220 25C3402

Q221 25C3402

Q222 25C3402

Q223 25C3402

Q224 25C3402

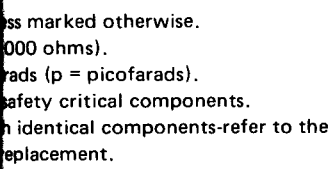
Q225 25C3402

Q226 25C3402

Q227 25C3402

Q228 25C3402

Q229 25C3402



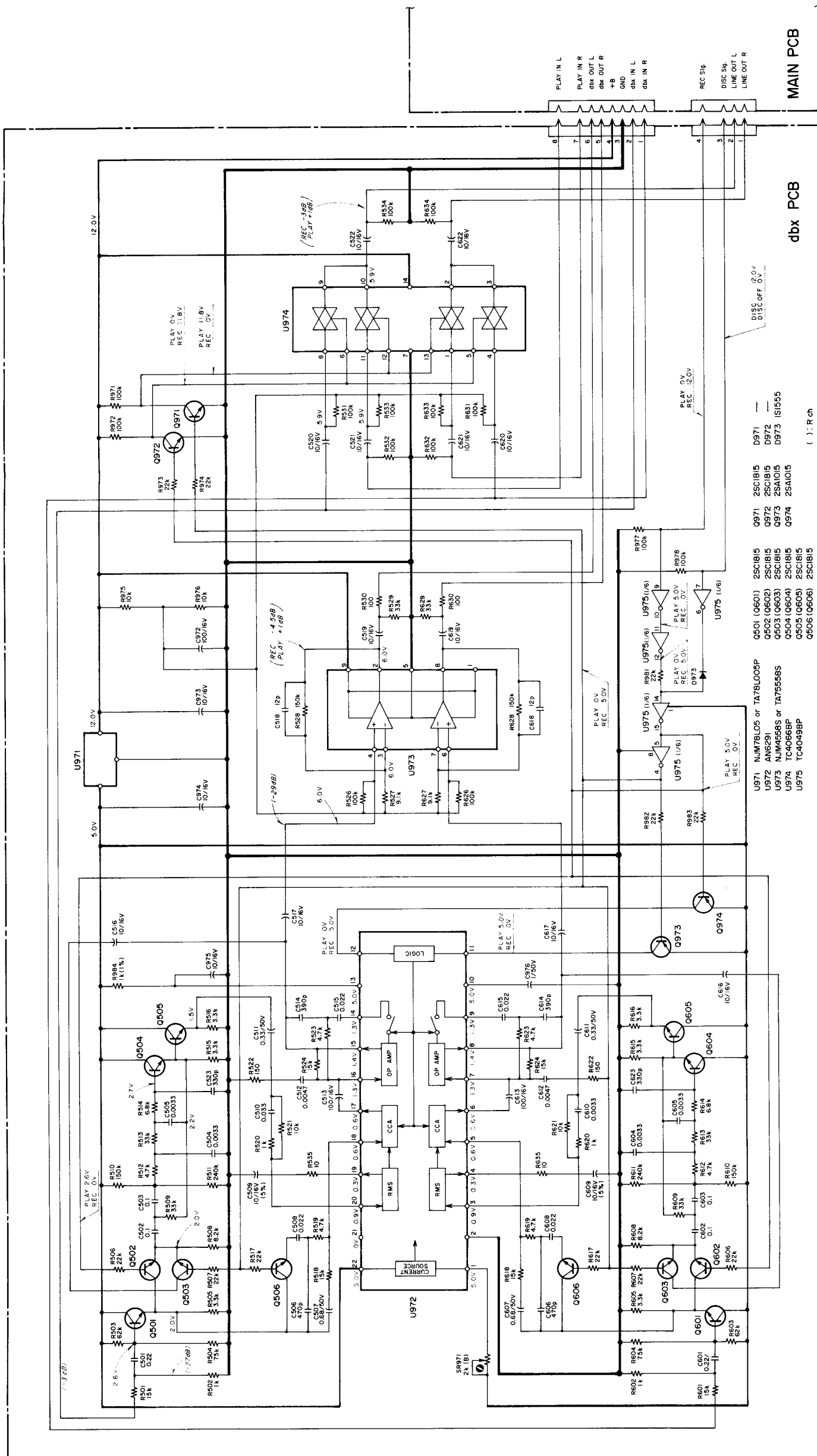
4. Voltage and level values are for reference only.
0 dB = 0.775 V
Indicated values are those existing when the peak level meter indicatis 0 dB.
Each Voltage value shown above is the one measured in REC PAUSE position and each mode.
5.  : front panel indication
6.  : rear panel indication
7.  +B power supply circuit

V-500X

Stereo Cassette Deck

October, 1983

TEAC SCHEMATIC DIAGRAM V-500X/V-400X

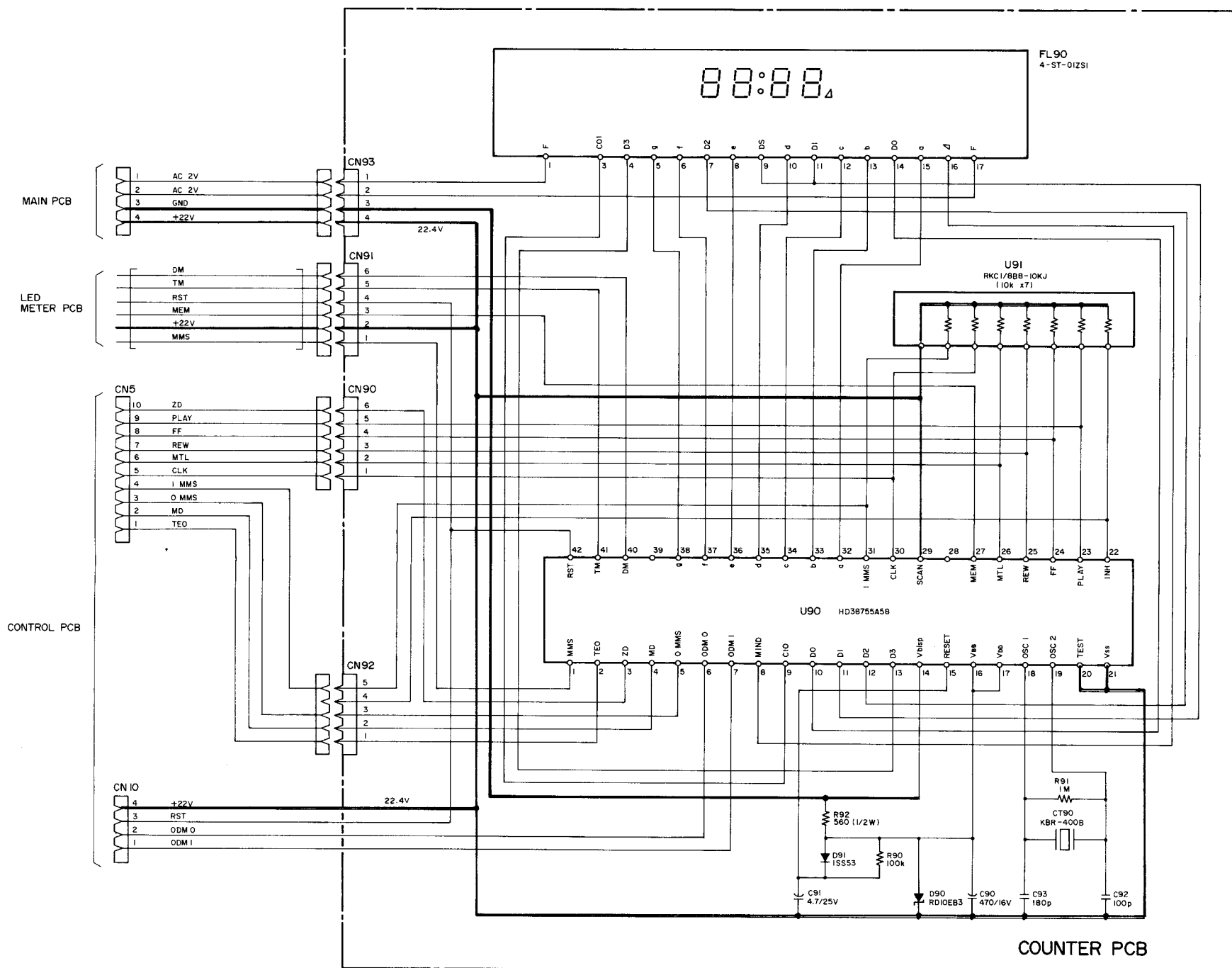


INSTRUCTIONS FOR SERVICE PERSONNEL
BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

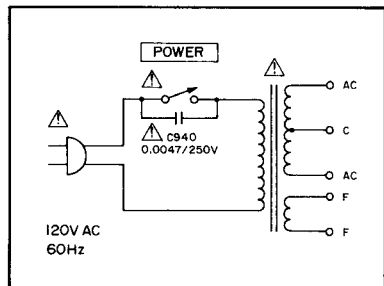
NOTES

1. All resistors are 1/4 watt, $\pm 5\%$, unless marked otherwise. Resistor values are in ohms (k = 1,000 ohms).
2. All capacitor values are in microfarads (p = picofarads).
3. Δ Parts marked with this sign are safety critical components. They must always be replaced with identical components—refer to the TEAC parts list and ensure exact replacement.

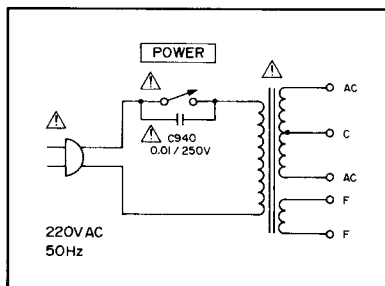
COUNTER V-500X



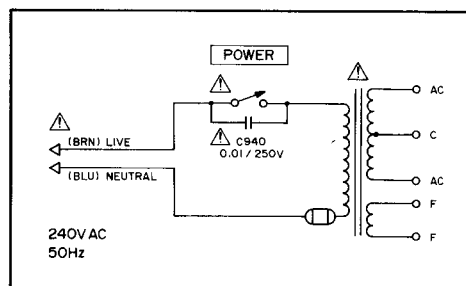
U.S.A., CANADA



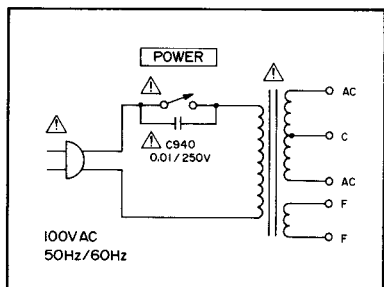
EUROPE



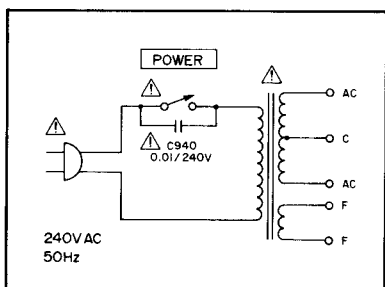
U.K.



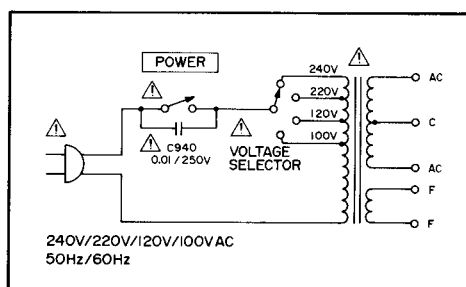
JAPAN (V-500X ONLY)



AUSTRALIA



GENERAL EXPORT



4. Voltage and level values are for reference only.

0 dB = 0.775 V

Indicated values are those existing when the peak level meter indicates 0 dB.

Each Voltage value shown above is the one measured in REC PAUSE position and each mode.

5. : front panel indication

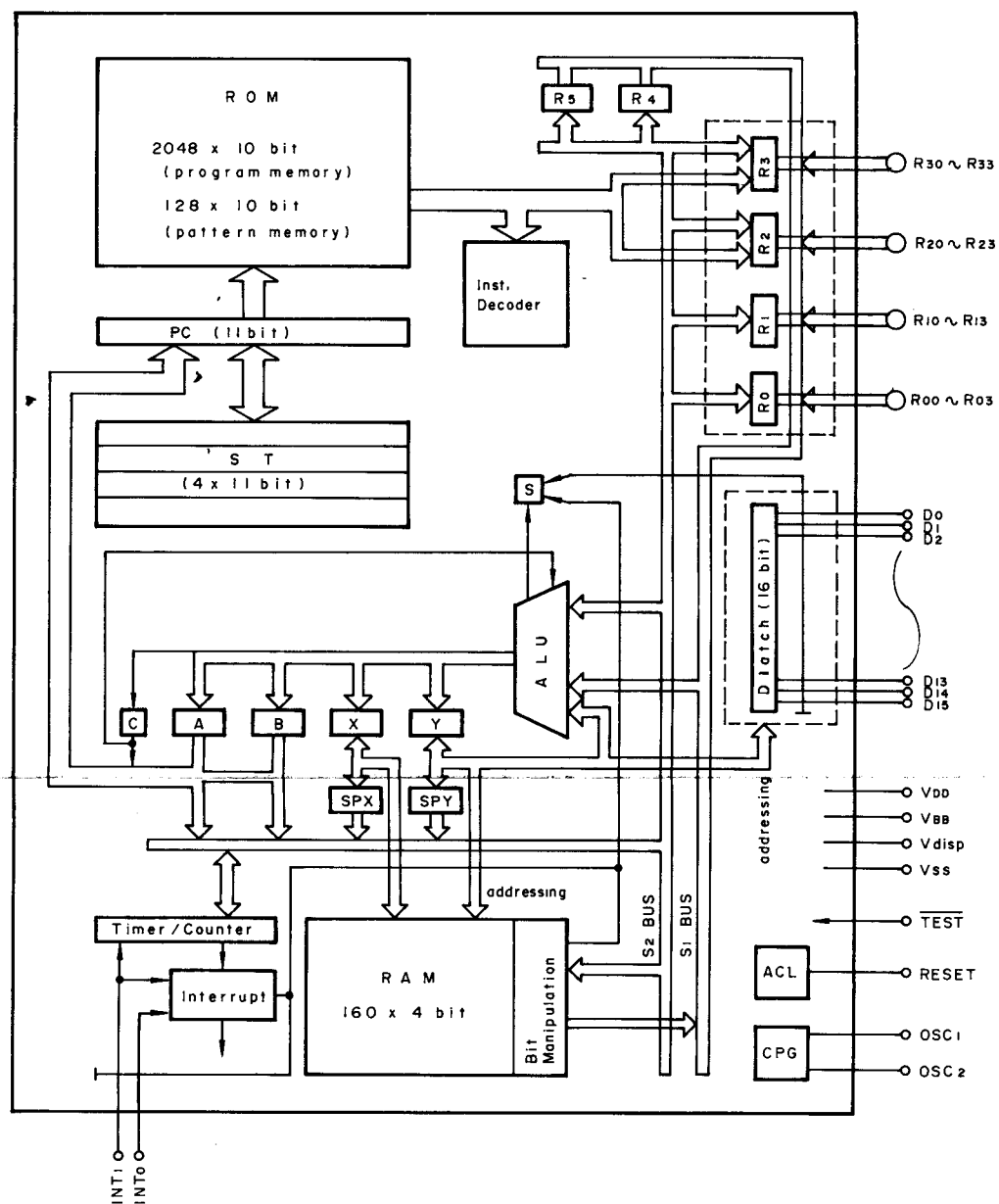
6. : rear panel indication

7. : +B power supply circuit

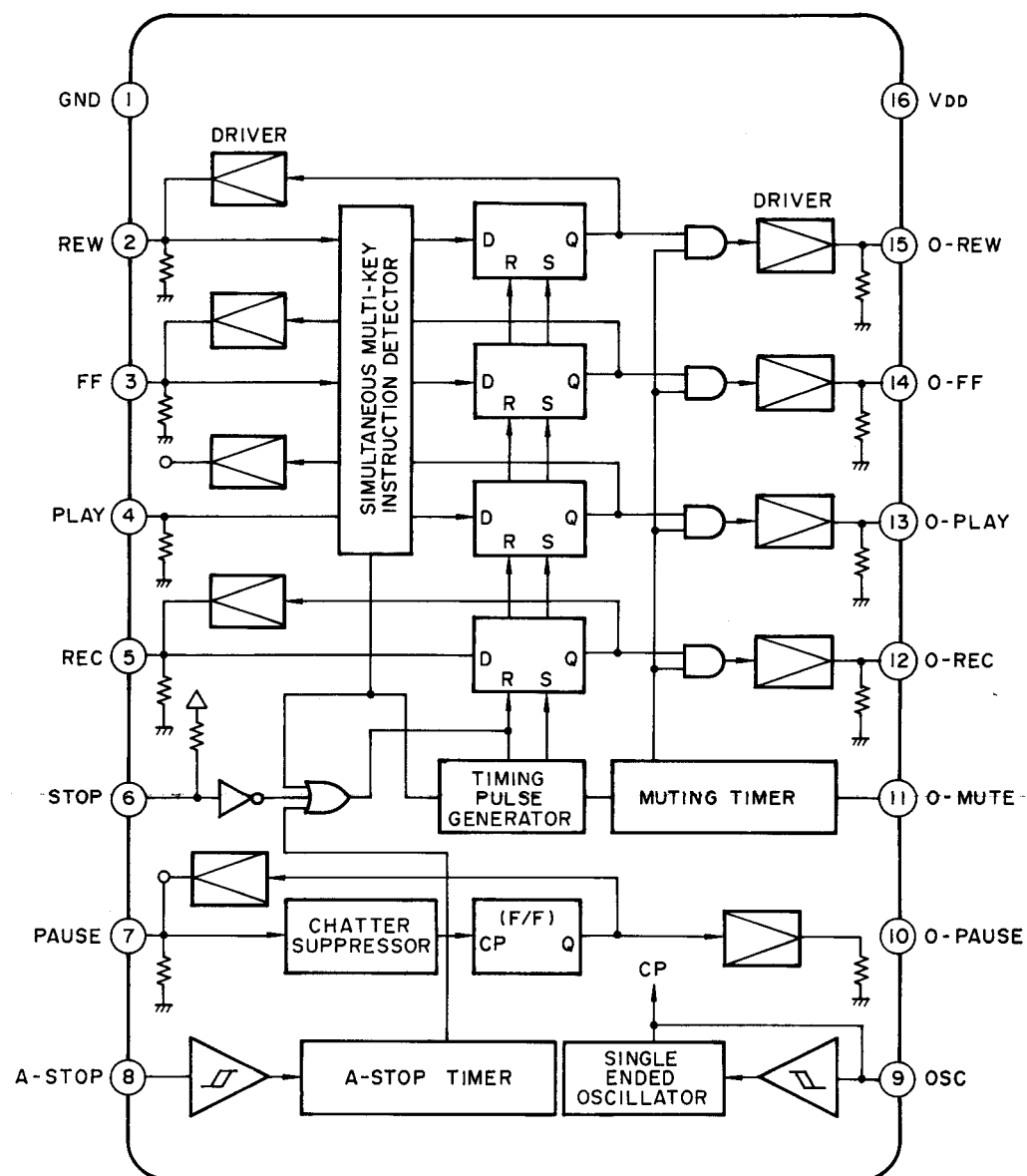
V-500X/V-400X

Stereo Cassette Deck

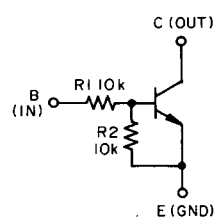
October, 1983



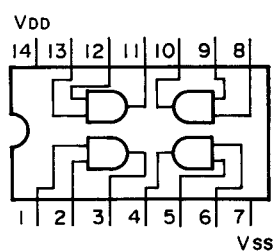
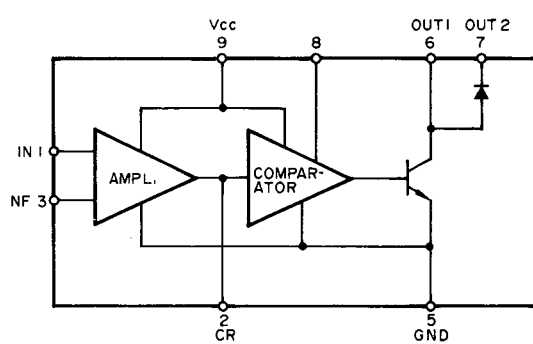
TC9144P



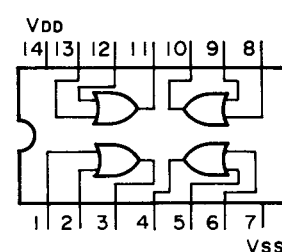
2SC3402

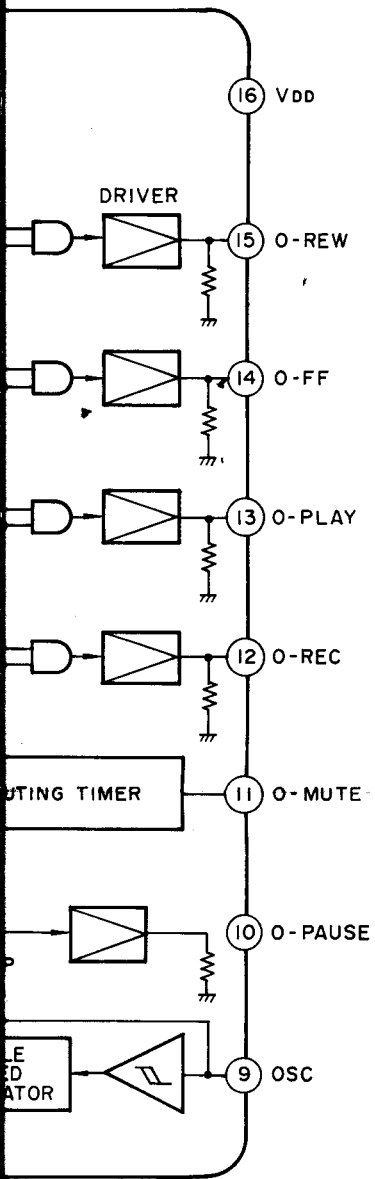


TC4081BP

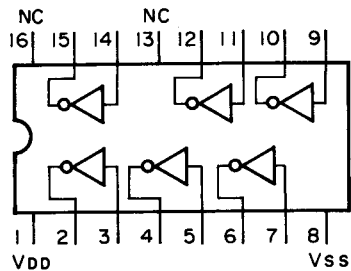
**LA2000**

TC4071BP

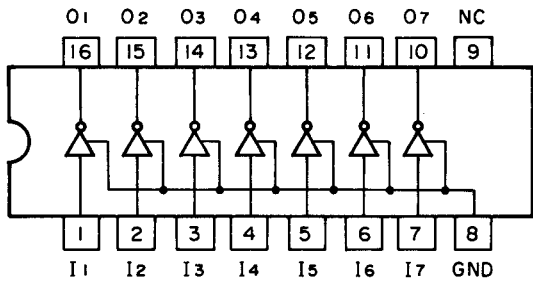




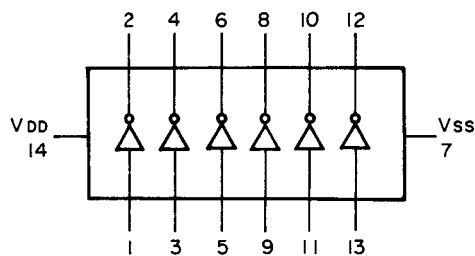
TC4049BP



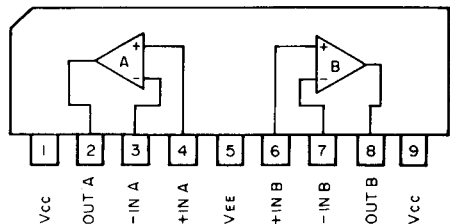
TD62504F



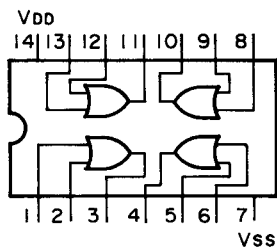
TC4069UBP



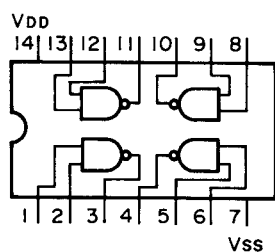
TA7557S



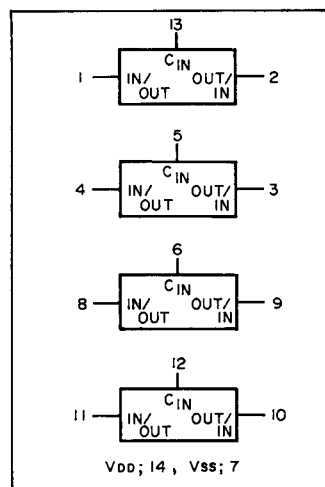
TC4071BP



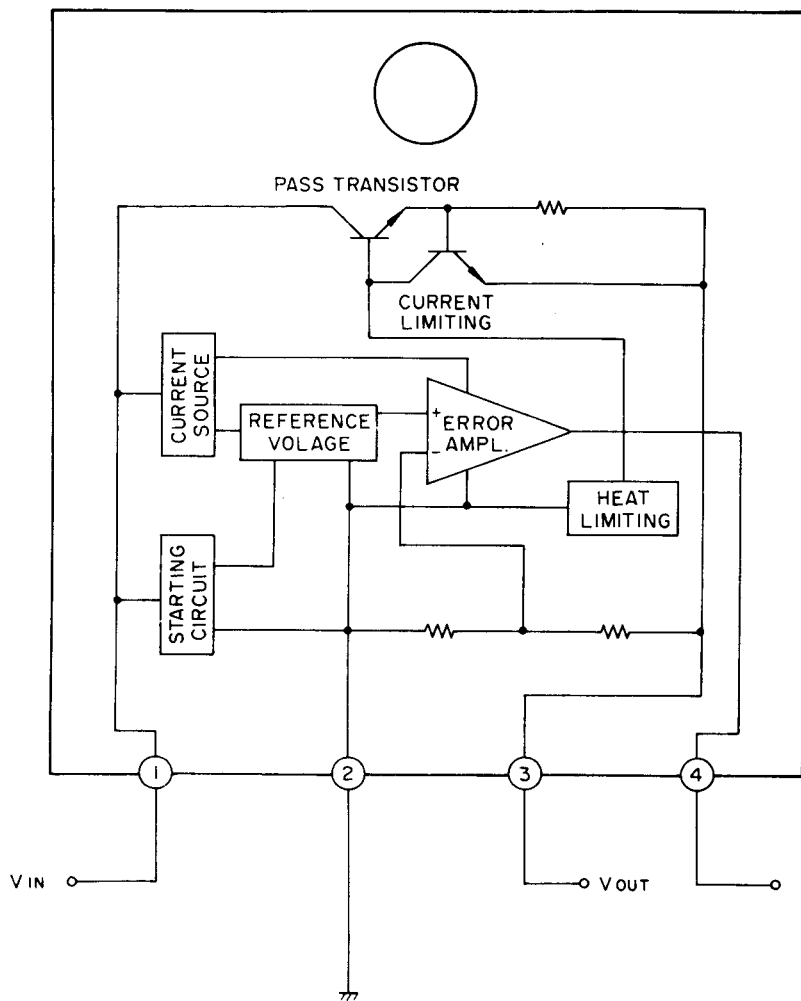
TC4011BP



TC4066BP



AN7812R

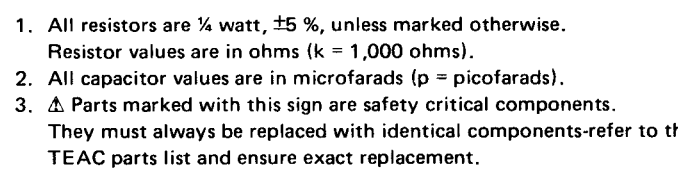


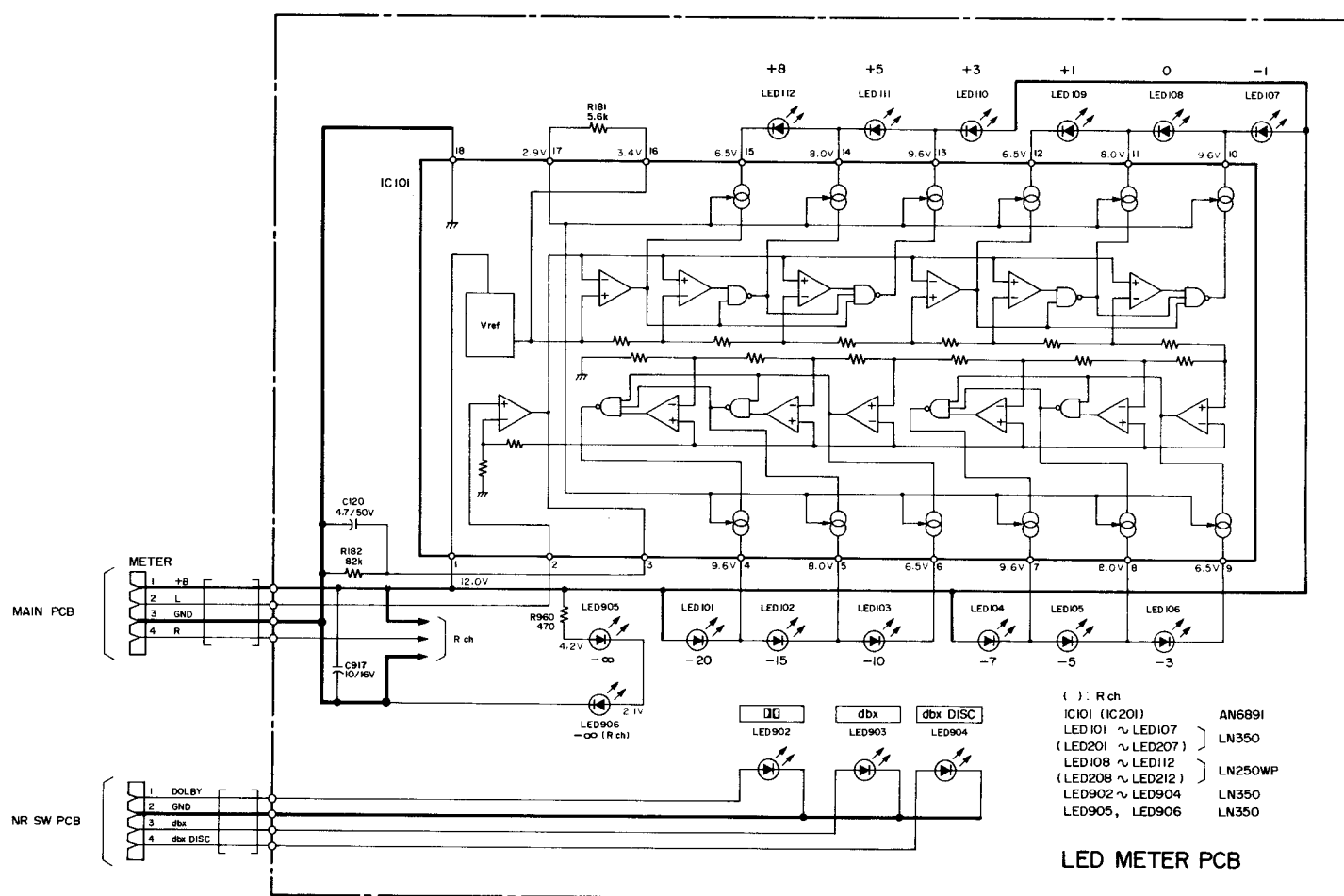
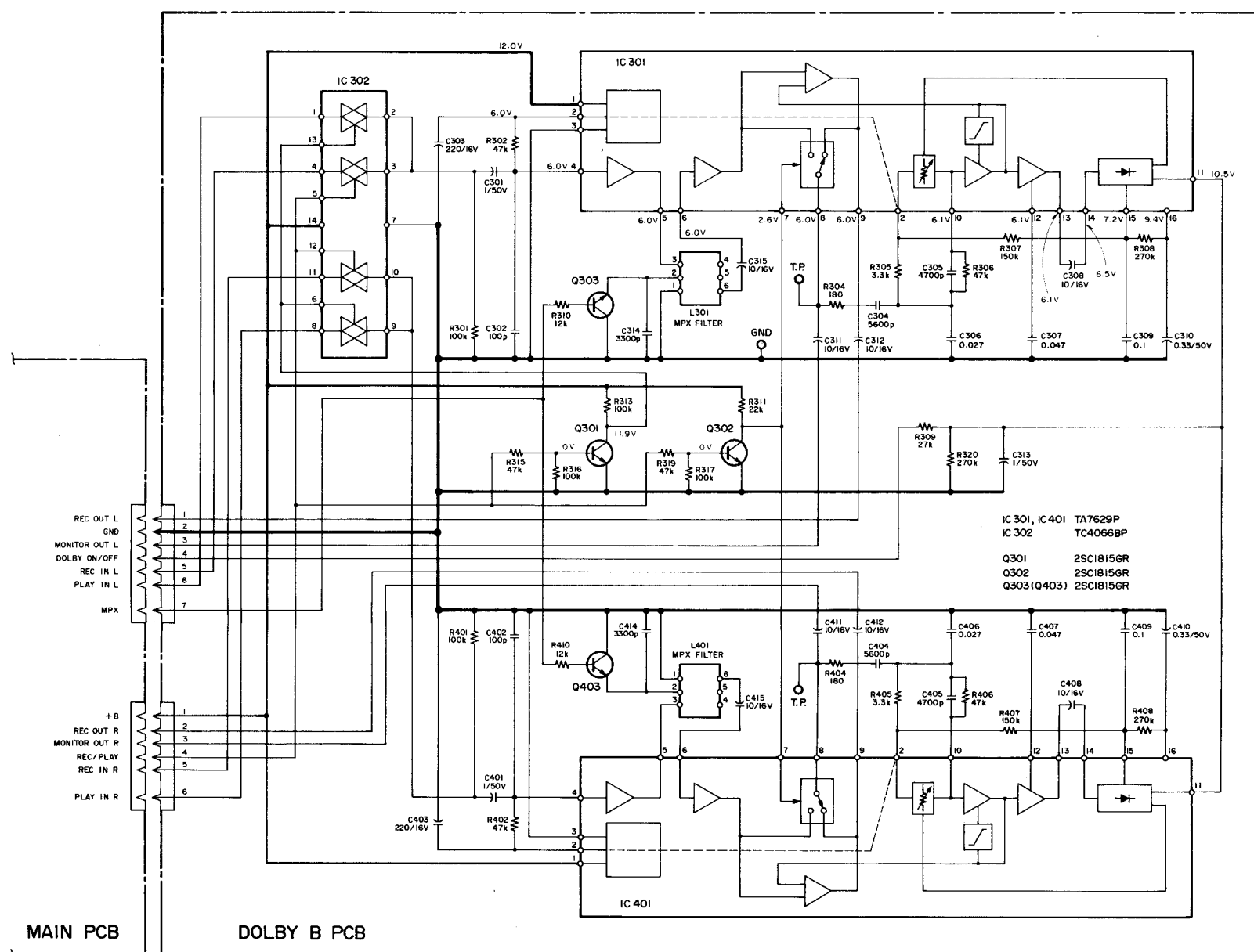
V-500X/V-400X

Stereo Cassette Deck

October, 1983

H





ked otherwise.
(ms).
= picofarads).
critical components.
ical components-refer to the
ment.

4. Voltage and level values are for reference only.
0 dB = 0.775 V
Indicated values are those existing when the peak level meter indicates 0 dB.
Each Voltage value shown above is the one measured in REC PAUSE position and each mode.
5.  : front panel indication
6.  : rear panel indication
7.  : +B power supply circuit

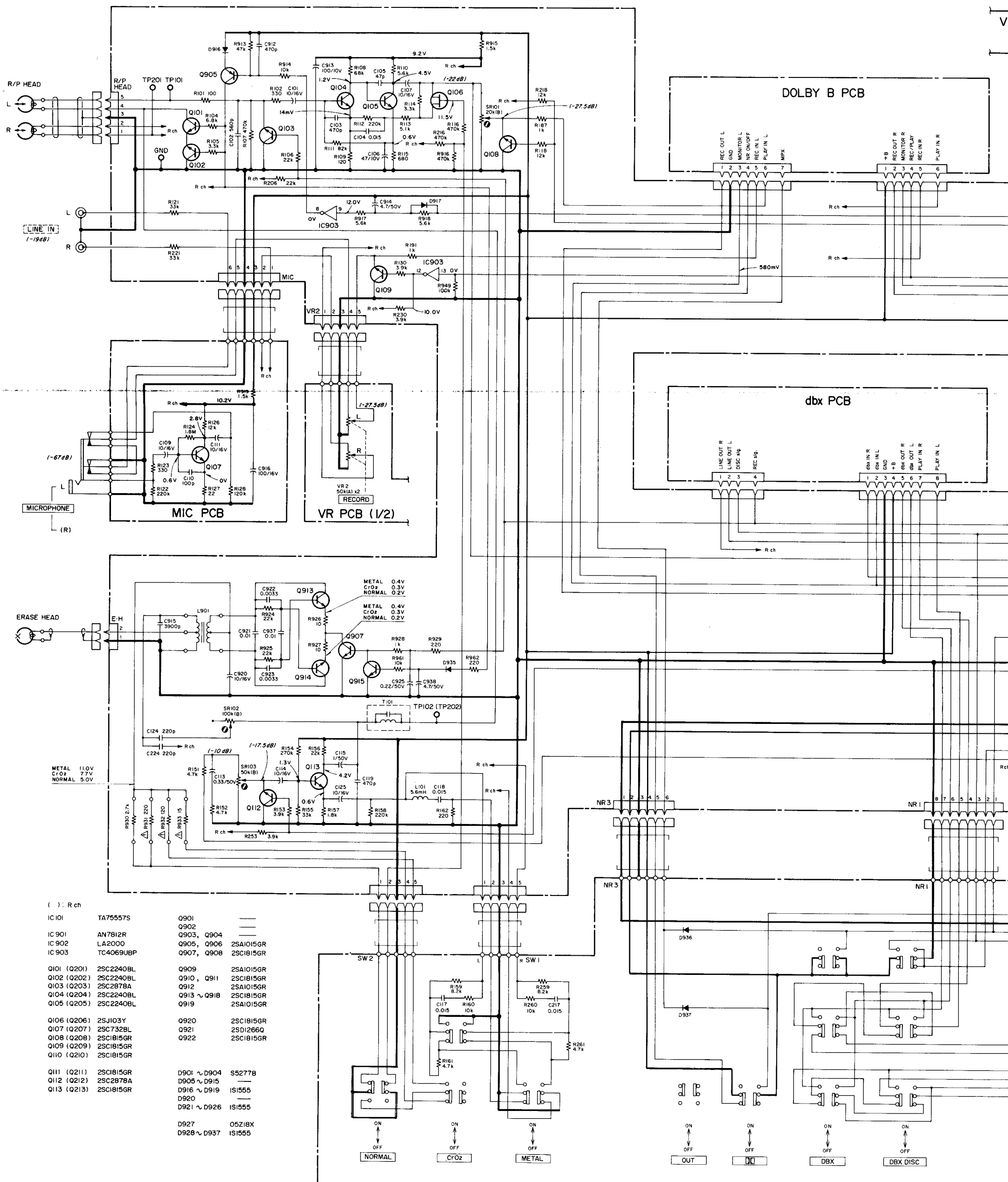
V-400X

Stereo Cassette Deck

October, 1983

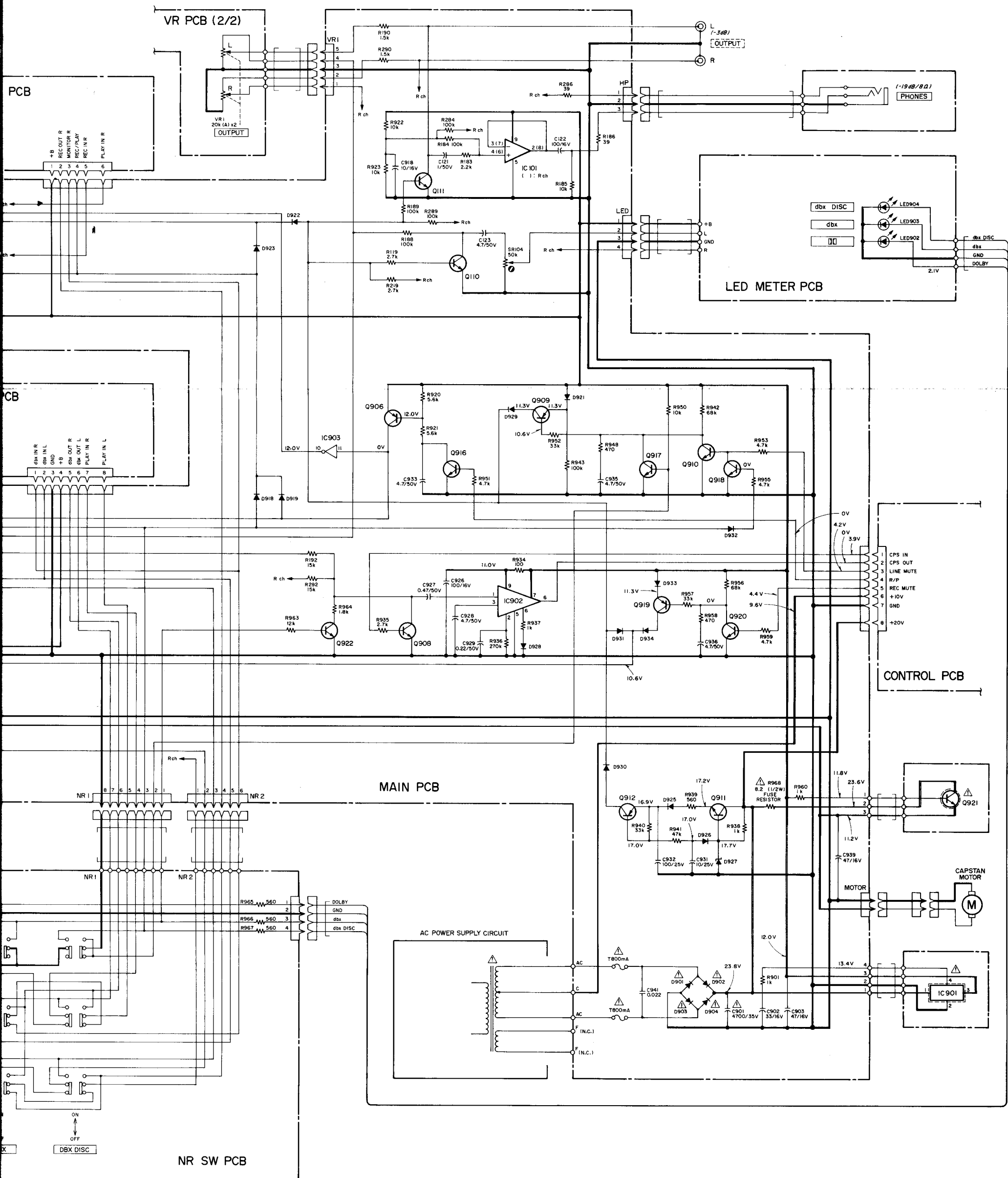
TEAC SCHEMATIC DIAGRAM (AMPLIFIER) V-400X

1 2 3 4 5 6



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

- NOTES**
1. Schematic diagram shown for left channel except for some of the components.
 2. All resistors are 1/4 watt, $\pm 5\%$, unless marked otherwise. Resistor values are in ohms (k = 1,000 ohms).
 3. All capacitor values are in microfarads (p = picofarads).
 4. Δ Parts marked with this sign are safety critical components. They must always be replaced with identical components-refer to the TEAC parts list and ensure exact replacement.



el except for some of the components.
 rked otherwise.
 rms).
 p = picofarads).
 critical components.
 ical components-refer to the
 ment.

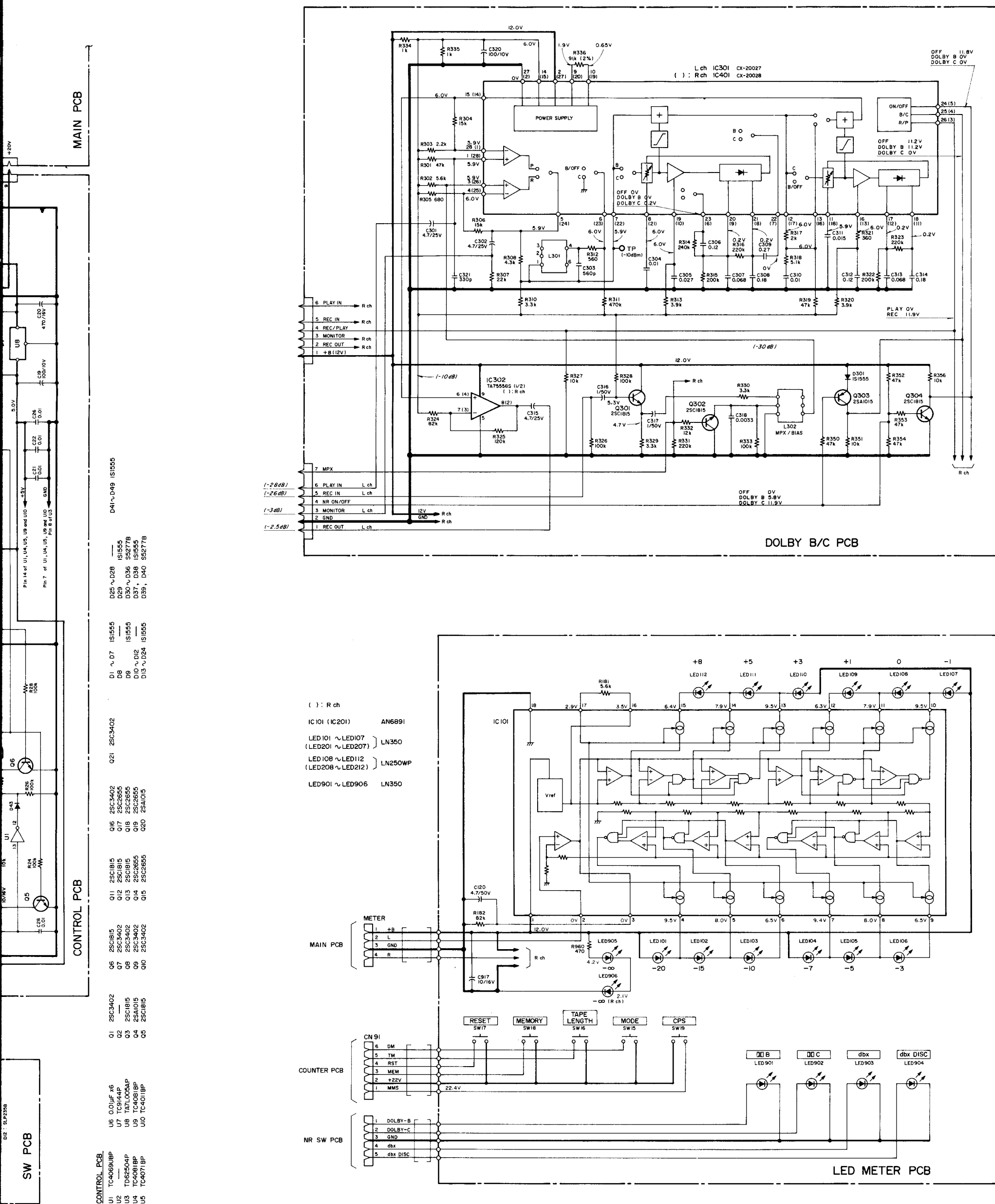
5. Voltage and level values are for reference only.
 0 dB = 0.775 V
 Indicated values are those existing when the peak level meter indicatis 0 dB.
 Each Voltage value shown above is the one measured in REC PAUSE position and each mode.
6. : front panel indication
7. : rear panel indication
8. : +B power supply circuit

V-400X
Stereo Cassette Deck
 October, 1983

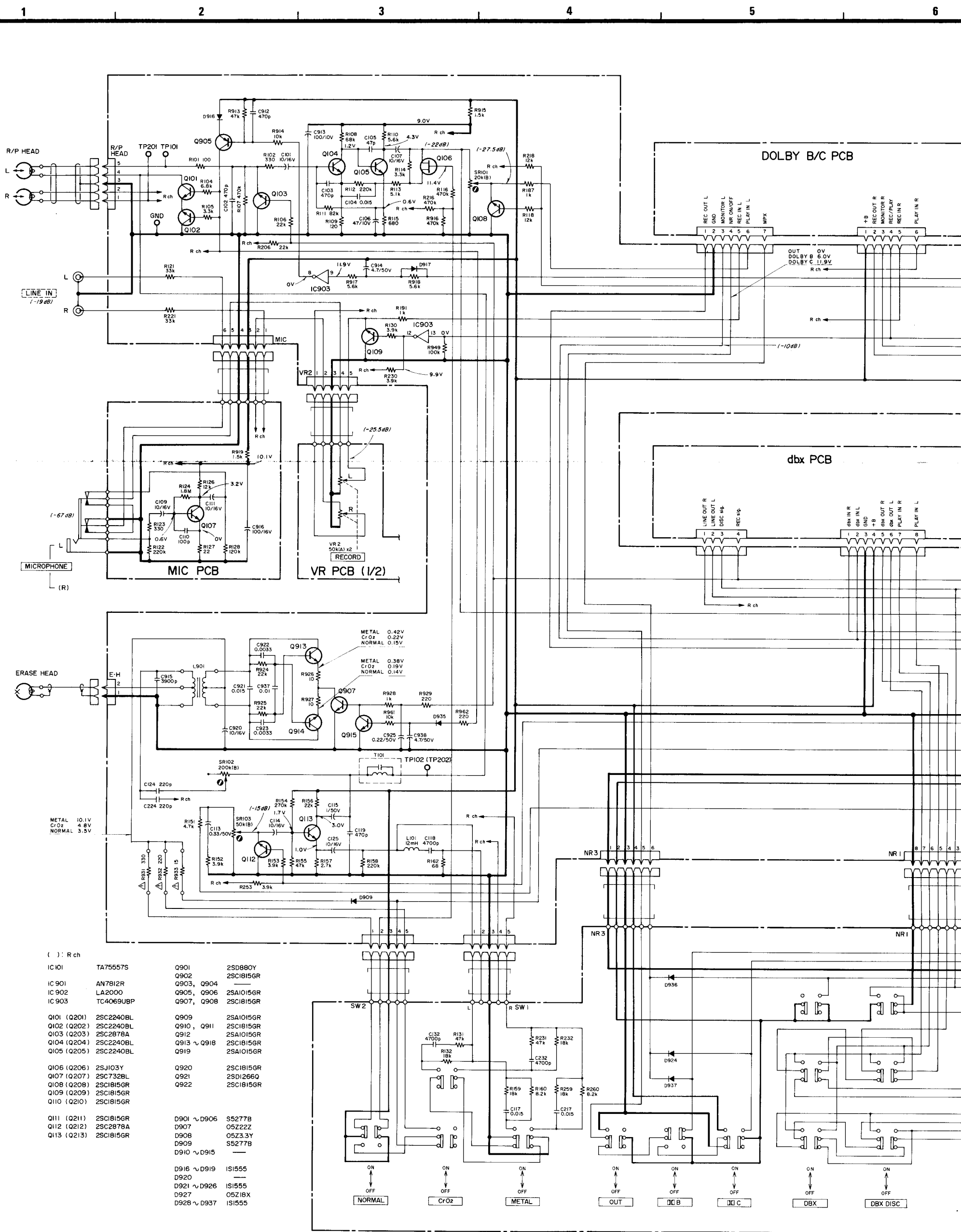


BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

1. All resistors are ¼ watt, $\pm 5\%$, unless marked otherwise. Resistor values are in ohms (k = 1,000 ohms).
2. All 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 TEAC parts list and ensure exact replacement.



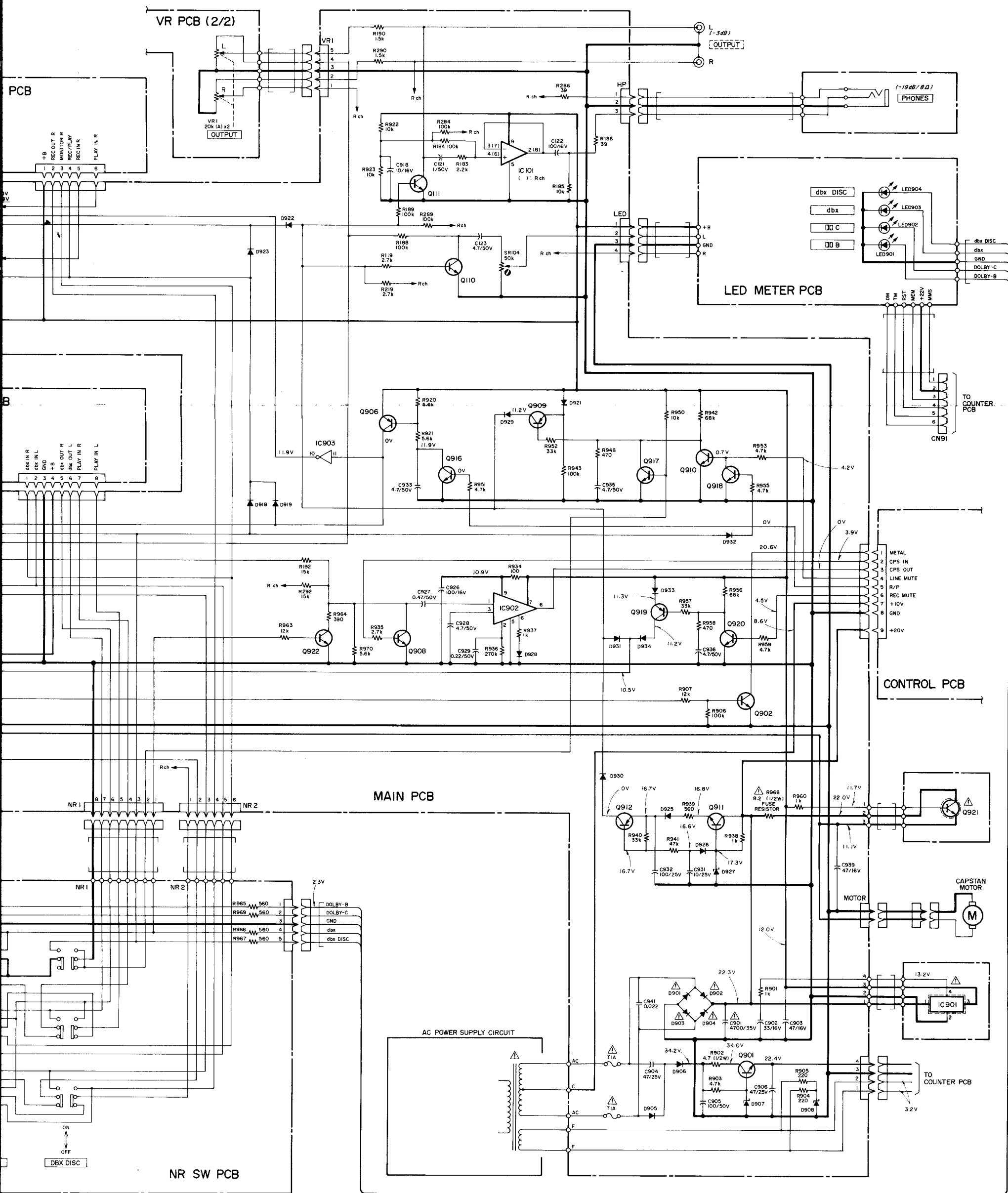
TEAC SCHEMATIC DIAGRAM (AMPLIFIER) V-500X



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

NOTES

1. Schematic diagram shown for left channel except for some of the components.
2. All resistors are 1/4 watt, $\pm 5\%$, unless marked otherwise. Resistor values are in ohms (k = 1,000 ohms).
3. All capacitor values are in microfarads (p = picofarads).
4. Δ Parts marked with this sign are safety critical components. They must always be replaced with identical components—refer to the TEAC parts list and ensure exact replacement.



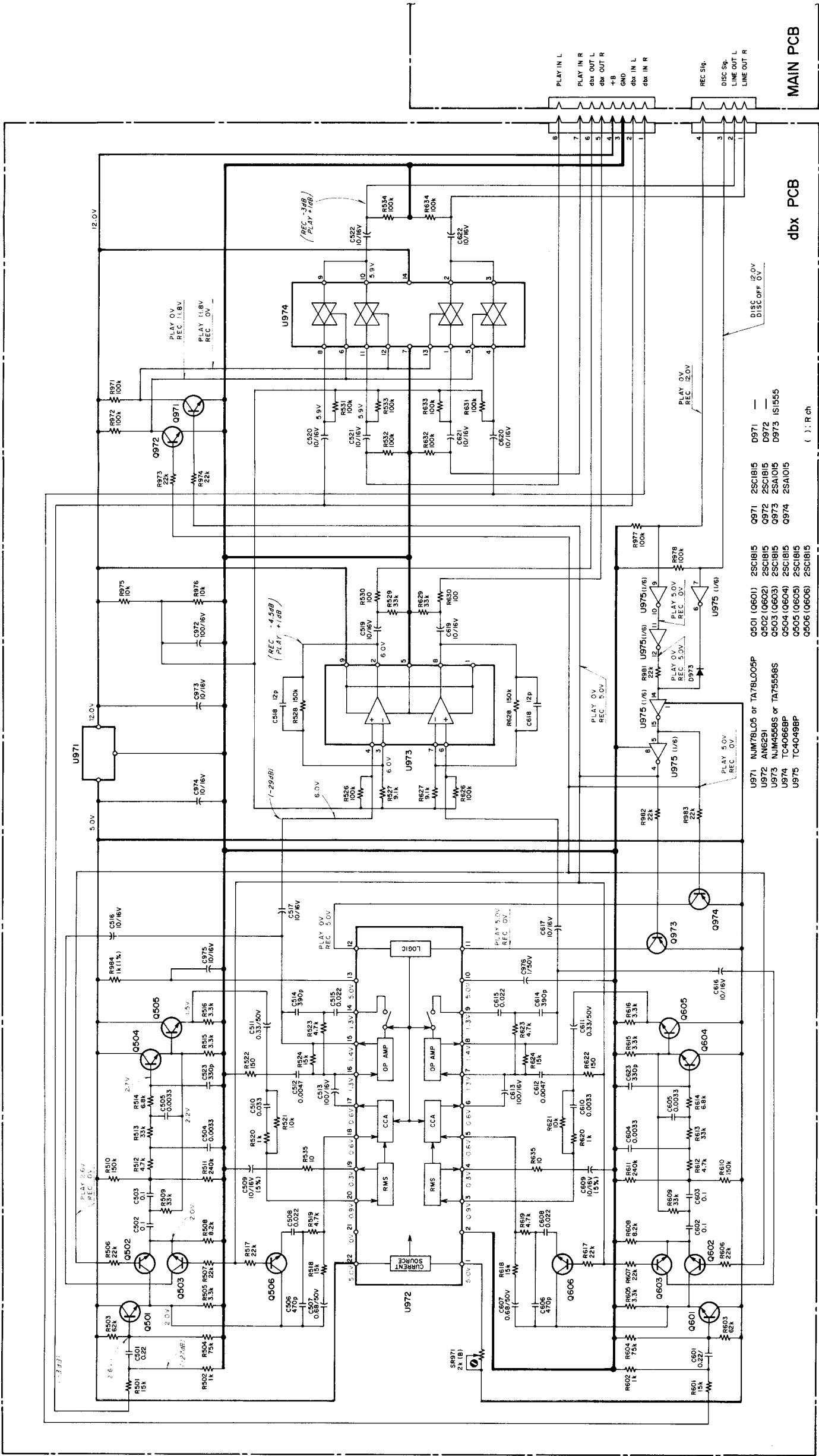
except for some of the components.
ed otherwise.
ns).
picofarads).
ritical components.
al components-refer to the
ent.

5. Voltage and level values are for reference only.
0 dB = 0.775 V
Indicated values are those existing when the peak level meter indicatis 0 dB.
Each Voltage value shown above is the one measured in REC PAUSE position and each mode.
6. : front panel indication
7. : rear panel indication
8. : +B power supply circuit

V-500X
Stereo Cassette Deck
October, 1983

TEAC SCHEMATIC DIAGRAM V-500X/V-400X

1 2 3 4 5 6

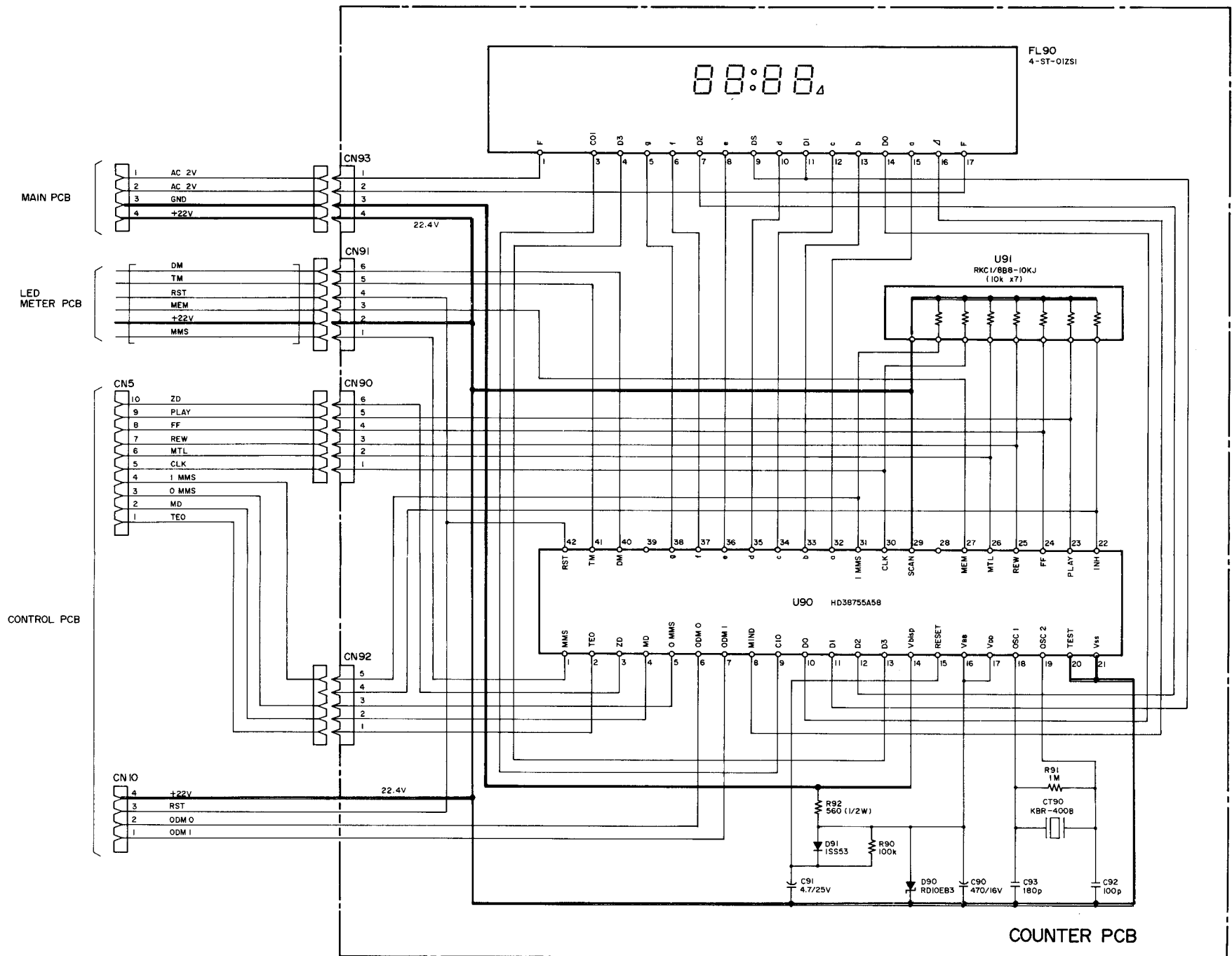


INSTRUCTIONS FOR SERVICE PERSONNEL
BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

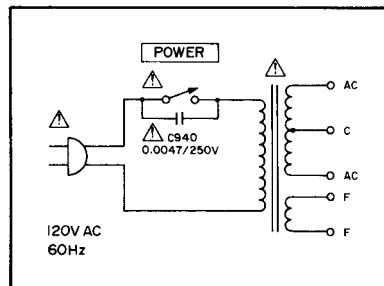
- NOTES
1. All resistors are 1/4 watt, $\pm 5\%$, unless marked otherwise. Resistor values are in ohms ($k = 1,000$ ohms).
 2. All capacitor values are in microfarads ($p = \text{picofarads}$).
 3. Δ Parts marked with this sign are safety critical components. They must always be replaced with identical components—refer to the TEAC parts list and ensure exact replacement.

4. Volt
0 dB
Indi
Each
5.
6.
7.

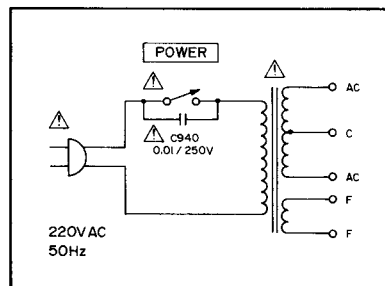
COUNTER V-500X



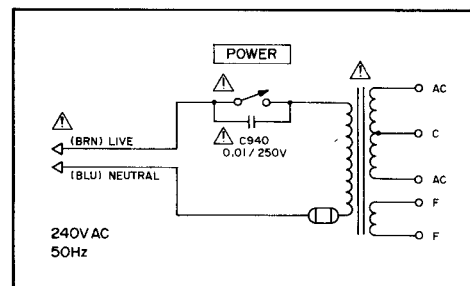
U.S. A., CANADA



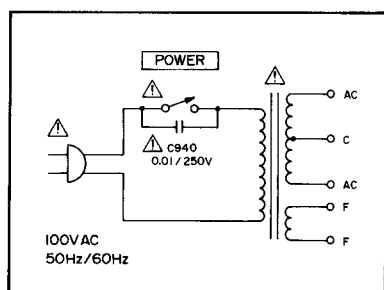
EUROPE



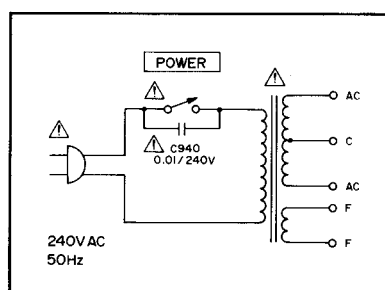
U. K.



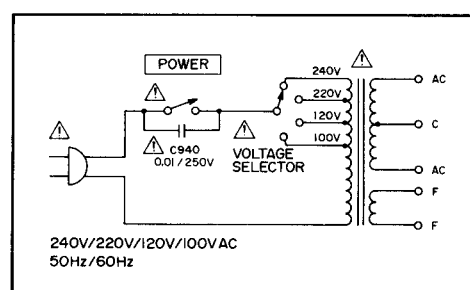
JAPAN (V-500X ONLY)



AUSTRALIA



GENERAL EXPORT



4. Voltage and level values are for reference only.

0 dB = 0.775 V

Indicated values are those existing when the peak level meter indicates 0 dB.

Each Voltage value shown above is the one measured in REC PAUSE position and each mode.

5. : front panel indication

6. : rear panel indication

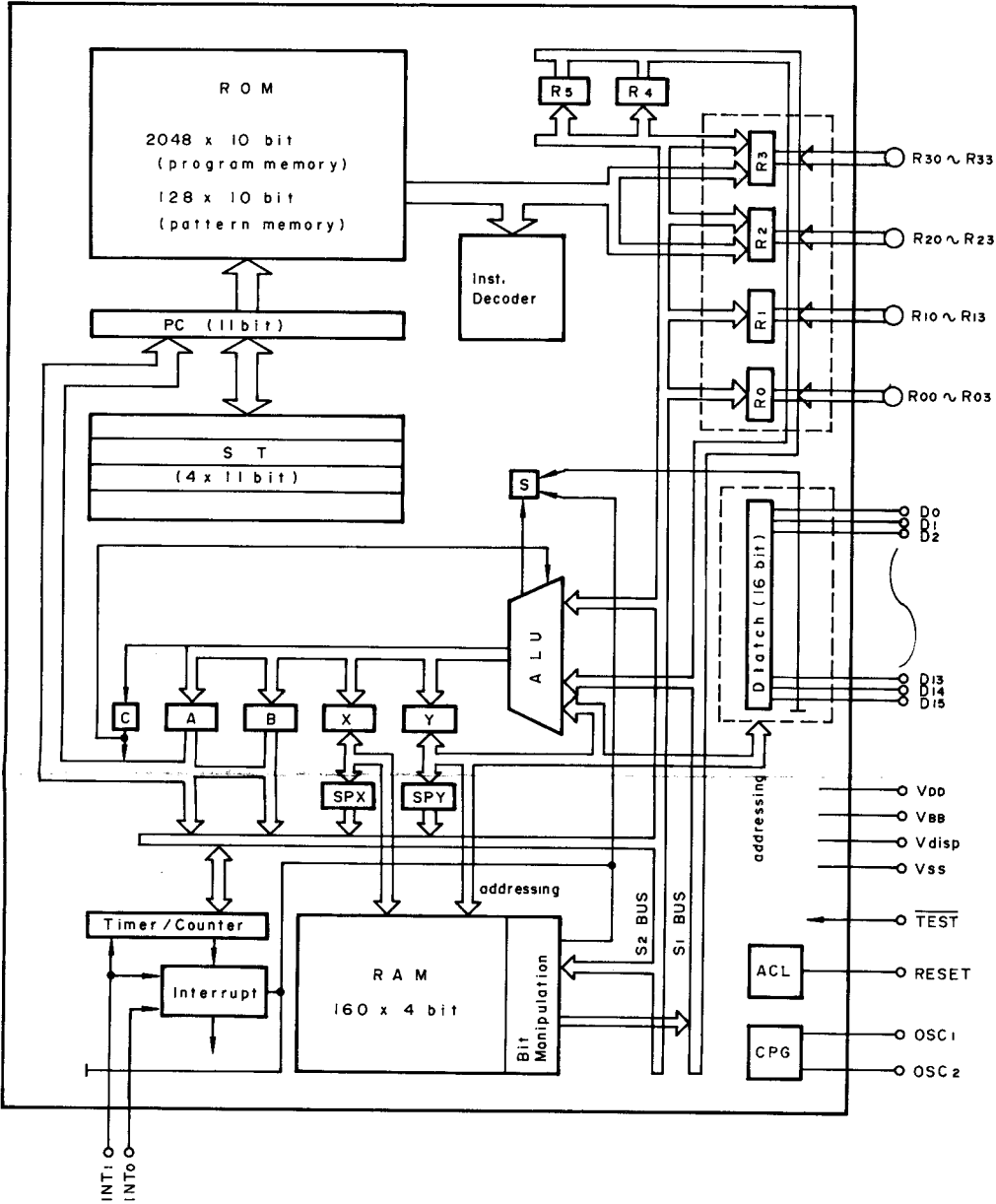
7. : +B power supply circuit

V-500X/V-400X

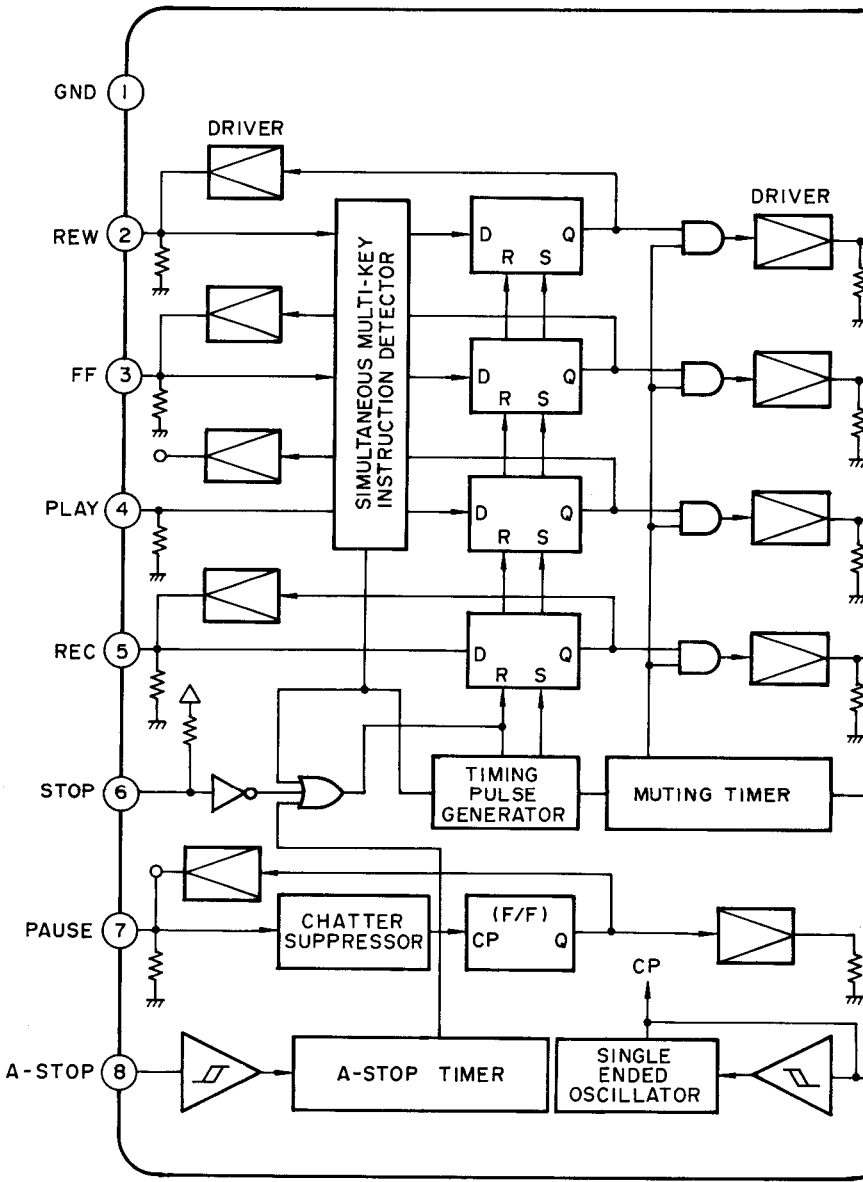
Stereo Cassette Deck

October, 1983

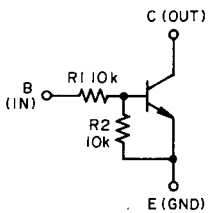
HD38755A58



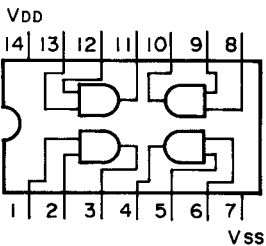
TC9144P



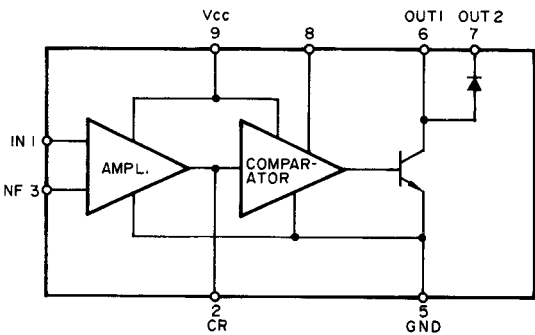
2SC3402



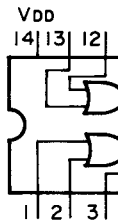
TC4081BP

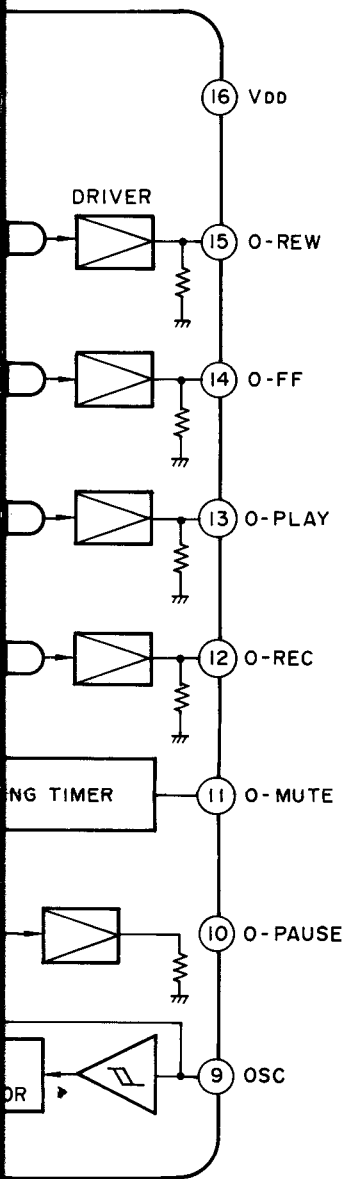


LA2000

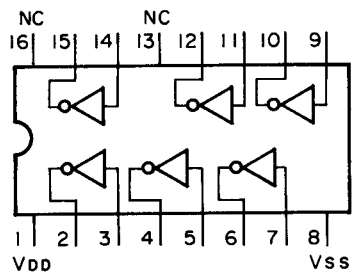


TC4081BP

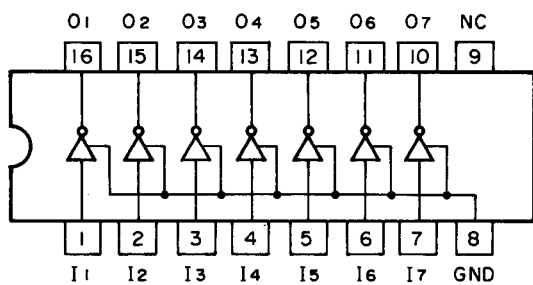




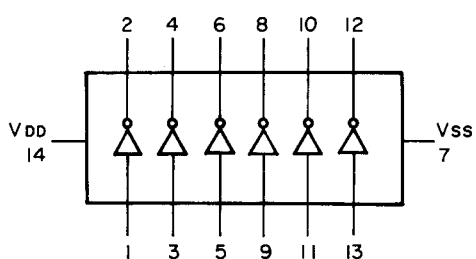
TC4049BP



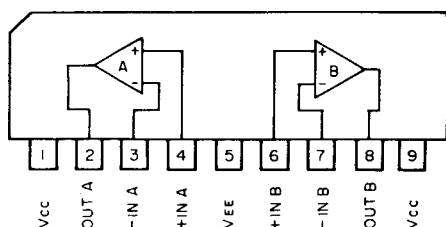
TD62504F



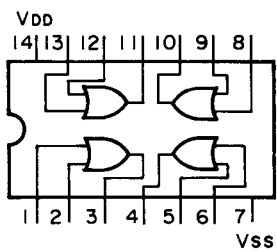
TC4069UBP



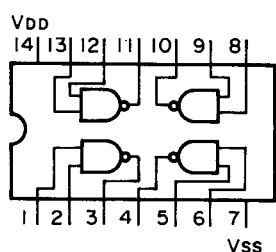
TA7557S



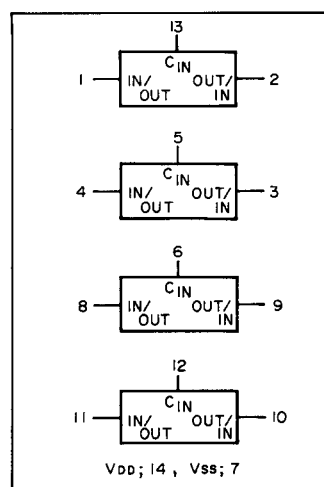
TC4071BP



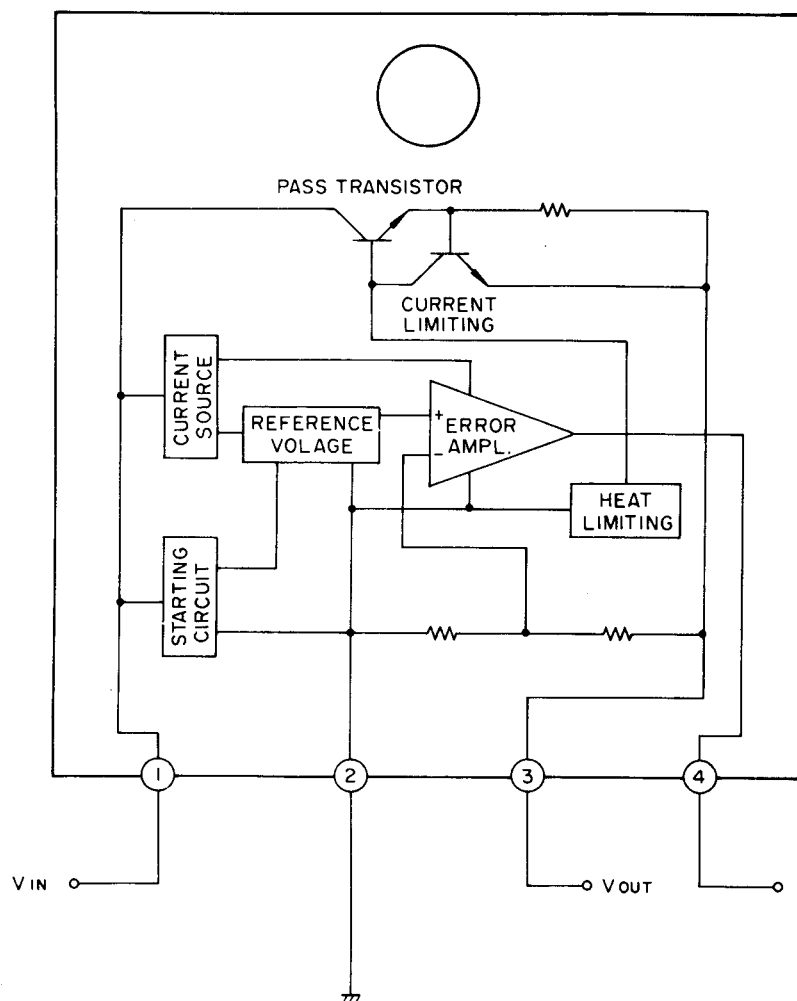
TC4011BP



TC4066BP



AN7812R



V-500X/V-400X

Stereo Cassette Deck

October, 1983