2.80

CHED-MAN-124
3 JANUARY 1977

SERVICE MANUAL
1976-1977
CHRYSLER AUTOMOBILE RADIOS

PART NUMBER	TYPE
3501638	AM 2-WATT
3501639	AM 2-WATT/FADER
3501640	AM 4-WATT
3501641	AM 4-WATT/FADER
3501654	AM/FM 4-WATT MONAURAL
3501655	AM/FM 4-WATT MONAURAL/FADER
3501376	AM/FM 4-WATT MULTIPLEX
3895716	AM 4-WATT (TRUCK)
3895717	AM/FM 4-WATT MONAURAL (TRUCK)
3501457	AM/DA-W/8 TRK TAPE
3501458	AM/FM/MX-W/8 TRK TAPE

EDITOR'S NOTE: This Document only contains information for radio models 3501457 and 3501458

HUNTSVILLE ELECTRONICS DIVISION
CHRYSLER CORPORATION

102 Wynn Drive — Huntsville, Alabama — 35805

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GENERAL INFORMATION

A. GENERAL DESCRIPTION

The Chrysler built radio line for 1976-1977 consists of the following models: (1) AM Economy 2-Watt; (2) AM Deluxe 4-Watt; (3) AM/FM Monaural 4-Watt; (4) AM/FM Multiplex 4-Watt; (5) AM/DA-W/8 Track Tape; and (6) AM/FM/MX-W/8 Track Tape. These radios feature pushbutton tuning as well as manual tuning, volume control, tone control, on-off switch, and optional fader control. In addition, the AM/FM models feature an AM/FM select switch and the AM/FM Multiplex and Tape Radios features a channel balance control. The fader control is standard on the AM/FM Multiplex and Tape Radios. These radios are custom built for installation in the 1976-1977 car lines as shown below.

PART NUMBER	DESCRIPTION	CAR LINE
3501638	AM 2-Watt	Plymouth/Dodge
3501639	AM 2-Watt/Fader	Plymouth/Dodge
3501640	AM 4-Watt	Chrysler
3501641	AM 4-Watt/Fader	Chrysler
3501654	AM/FM 4-Watt Monaural	Plymouth/Dodge/Chrysler
3501655	AM/FM 4-Watt Monaural/Fader	Plymouth/Dodge/Chrysler
3501376	AM/FM 4-Watt Multiplex	Plymouth/Dodge/Chrysler
3895716	AM 4-Watt	Dodge Truck
3895717	AM/FM 4-Watt Monaural	Dodge Truck
3501457	AM/DA-W/8 Track Tape	Plymouth/Dodge/Chrysler
3501458	AM/FM/MX-W/8 Track Tape	Plymouth/Dodge/Chrysler

B. SERVICE NOTES

1. Radio Polarity - The Red "A" lead must be connected to the positive side of the power source. The radio will not operate and damage to components may result, if connected otherwise.

2. Power Supply Requirements - A fully charged 12 volt automotive storage battery or a low impedance well filtered and regulated power supply set at 13.2 vdc nominal and capable of delivering one ampere of current or more should be used when operating the radio on a service bench. Overload protection should be provided by connecting a 1.5 ampere fast blow fuse in the "A" plus lead.

NOTE

Do not use SCR or other switching type regulator power supplies. These supplies generate switching transients that are heard as a strong rasping hiss in the radio output. Servicing near fluorescent lights, a source of similar noise, is not recommended.

3. Output Load - A radio speaker or a resistive load of the proper value should be connected across the radio speaker leads when voltage measurements are being made.

4. Voltage and Resistance Measurements - A multimeter with a sensitivity of 20,000 ohms per volt or greater should be used for voltage and resistance measurements. Resistance measurements should be made with a meter which has a voltage source less than four volts.

B. SERVICE NOTES (continued)

5. Pushbutton Set-Up - To set pushbuttons, allow the receiver to warm up for 5 minutes minimum. Unlock pushbuttons by pulling out. Press pushbutton in firmly to lock after the desired station has been accurately tuned in.

6. Component Replacement - When replacing transistors, diodes, or other components on the P.C. board that may be damaged by excessive heat, a pencil type grounded soldering iron of not more than 27-1/2 watts is recommended. In any event, do not use a higher wattage iron than is necessary, as excessive heat will cause lifting of conductor pads. Only rosin core radio type solder should be used.

7. Optional Component Replacement - Optional component replacements are identified on the Replacement Parts List. It is recommended that output transistors be replaced in pairs, using the proper output transistor kit (see Replacement Parts List).

8. Optional Tuner Replacement - When replacing tuners, either the GI or TRW tuner may be used however, the individual tuner replacement parts are not interchangeable. The oscillator components must be changed with the tuner if different tuner vendor is used. Also, the dial calibrations are different on the TRW and GI tuners requiring the correct escutcheon assembly to be used.

9. Transistor Identification - Each transistor is marked for identification with the last three digits of the applicable Chrysler part number.

10. Signal Injection - If signals are injected at points on the PC board, a suitable blocking capacitor should be used to prevent dc supply shorts through the signal generator. Exercise care, when using clip leads, not to short points on the PC board.

11. Capacitor Bridging - Extreme caution should be exercised when troubleshooting for open or low value capacitors by capacitor bridging. To avoid possible breakdown of signal transistors and integrated circuits, the bridging capacitor should be completely discharged each time it is used. A 0.1 MFD capacitor charged to 30 volts contains enough energy to breakdown most signal transistors and ICs when connected in the reverse direction, base to emitter.

12. Audio Integrated Circuits - Extreme care should be exercised when troubleshooting the audio integrated circuits. As these devices are DC amplifiers as well as AC, with essentially no current limiting, they may be destroyed by a short circuit to ground at the output of the IC.

RADIO/TAPE
AM/DA
W/8 TRK TAPE - 3501457

AM/FM-MX
W/8 TRK TAPE - 3501458

PLYMOUTH
DODGE
CHRYSLER

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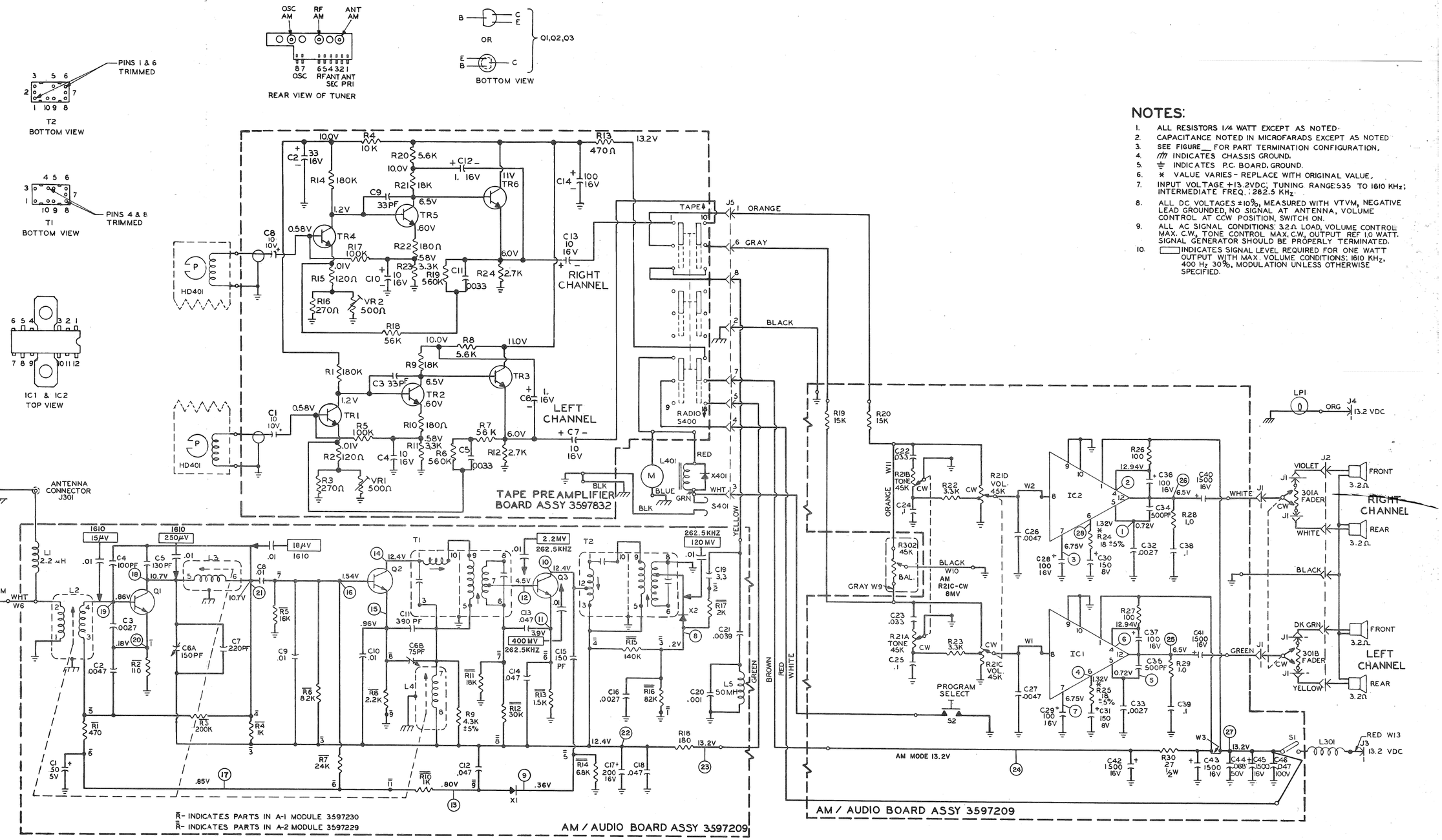

FIGURE 44. ELECTRICAL SCHEMATIC, AM/DA, W/8 TRK TAPE (3501457)

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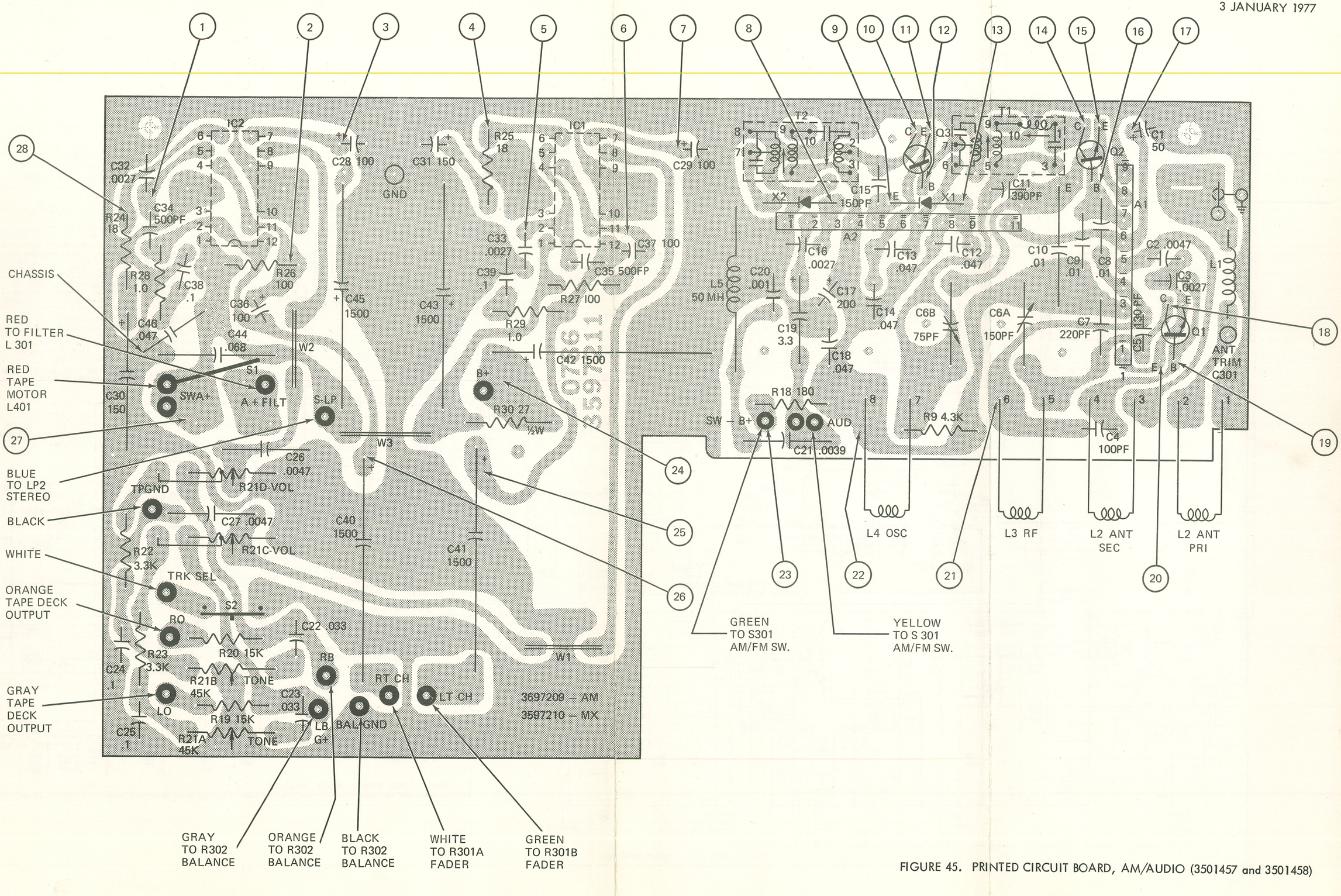

FIGURE 45. PRINTED CIRCUIT BOARD, AM/AUDIO (3501457 and 3501458)

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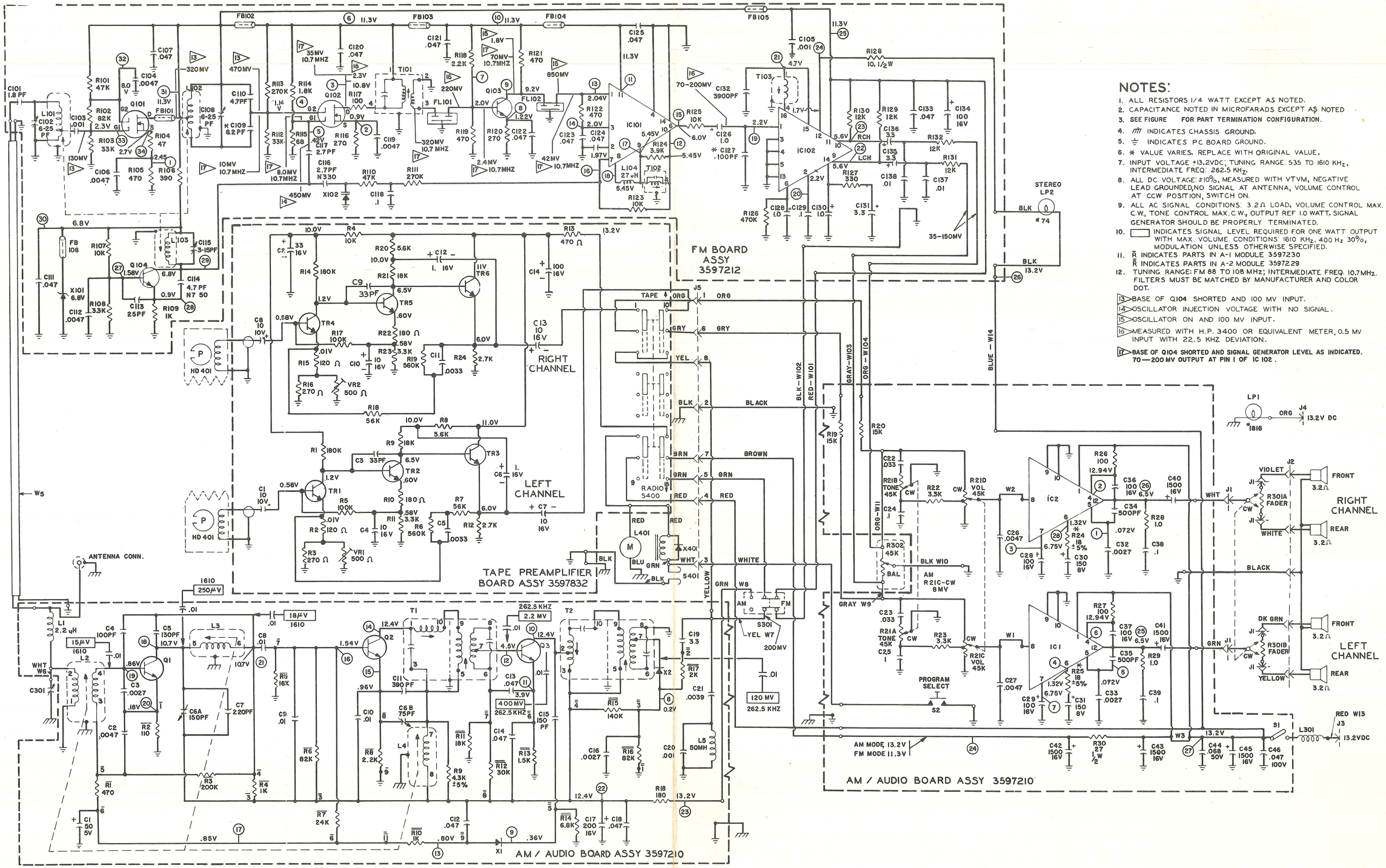

NOTES:

1. ALL RESISTORS 1/4 WATT EXCEPT AS NOTED.
2. CAPACITANCE NOTED IN MICROFARADS EXCEPT AS NOTED
3. SEE FIGURE FOR PART TERMINATION CONFIGURATION.
4. ⏚ INDICATES CHASSIS GROUND.
5. ⏚ INDICATES P.C BOARD GROUND.
6. * VALUE VARIES. REPLACE WITH ORIGINAL VALUE.
7. INPUT VOLTAGE +13.2VDC; TUNING RANGE. 535 TO 1610 KHz, INTERMEDIATE FREQ: 262.5 KHz.
8. ALL DC VOLTAGE: ±10%, MEASURED WITH VTVM, NEGATIVE LEAD GROUNDED, NO SIGNAL AT ANTENNA, VOLUME CONTROL AT CCW POSITION, SWITCH ON.
9. ALL AC SIGNAL CONDITIONS: 3.2Ω LOAD, VOLUME CONTROL MAX. C.W, TONE CONTROL MAX.C.W, OUTPUT REF 1.0 WATT. SIGNAL GENERATOR SHOULD BE PROPERLY TERMINATED.
10. ▭ INDICATES SIGNAL LEVEL REQUIRED FOR ONE WATT OUTPUT WITH MAX. VOLUME CONDITIONS: 1610 KHz, 400 Hz 30%, MODULATION UNLESS OTHERWISE SPECIFIED.
11. R INDICATES PARTS IN A-1 MODULE 3597230
    R INDICATES PARTS IN A-2 MODULE 3597229
12. TUNING RANGE: FM 88 TO 108 MHz; INTERMEDIATE FREQ. 10.7MHz. FILTERS MUST BE MATCHED BY MANUFACTURER AND COLOR DOT.

13. BASE OF Q104 SHORTED AND 100 MV INPUT.
14. OSCILLATOR INJECTION VOLTAGE WITH NO SIGNAL.
15. OSCILLATOR ON AND 100 MV INPUT.
16. MEASURED WITH H.P. 3400 OR EQUIVALENT METER, 0.5 MV INPUT WITH 22.5 KHZ DEVIATION.
17. BASE OF Q104 SHORTED AND SIGNAL GENERATOR LEVEL AS INDICATED. 70—200 MV OUTPUT AT PIN 1 OF IC 102.

FIGURE 46. ELECTRICAL SCHEMATIC, AM/FM/MX, W/8 TRK TAPE (3501458)

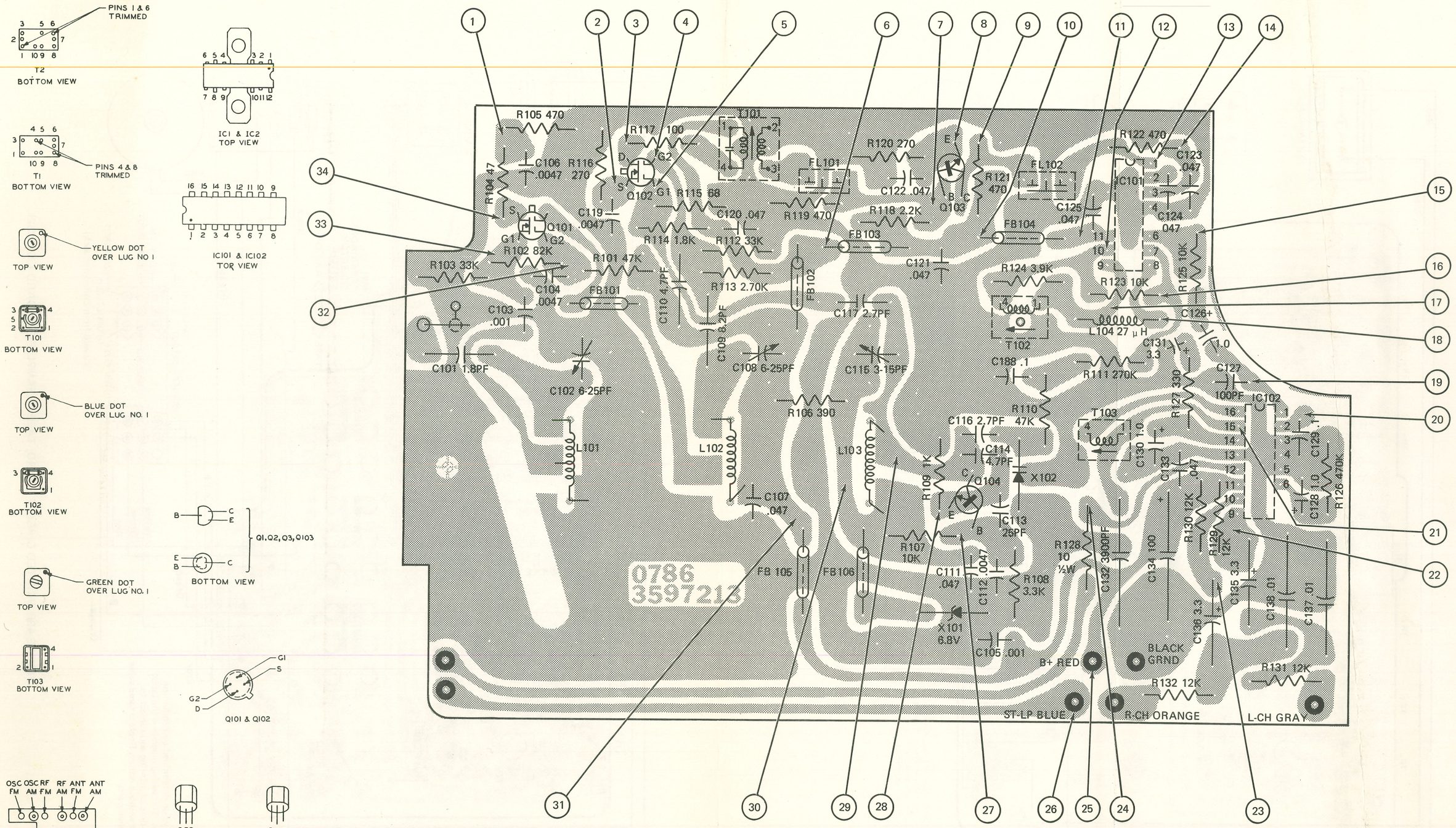

FIGURE 47. PRINTED CIRCUIT BOARD, FM (3501458)

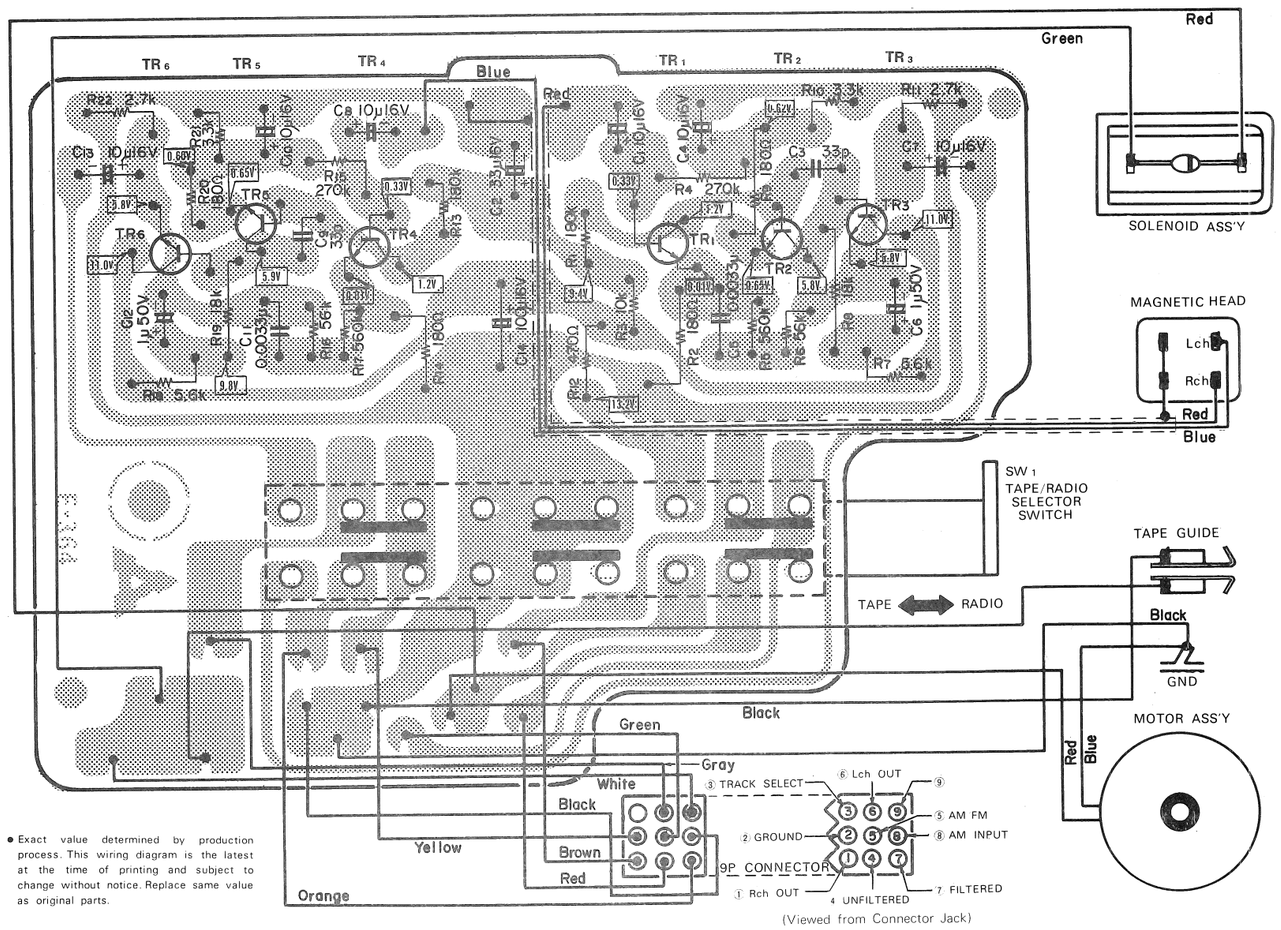

FIGURE 48A PRINTED CIRCUIT BOARD, TAPE AMPLIFIER (3597161)

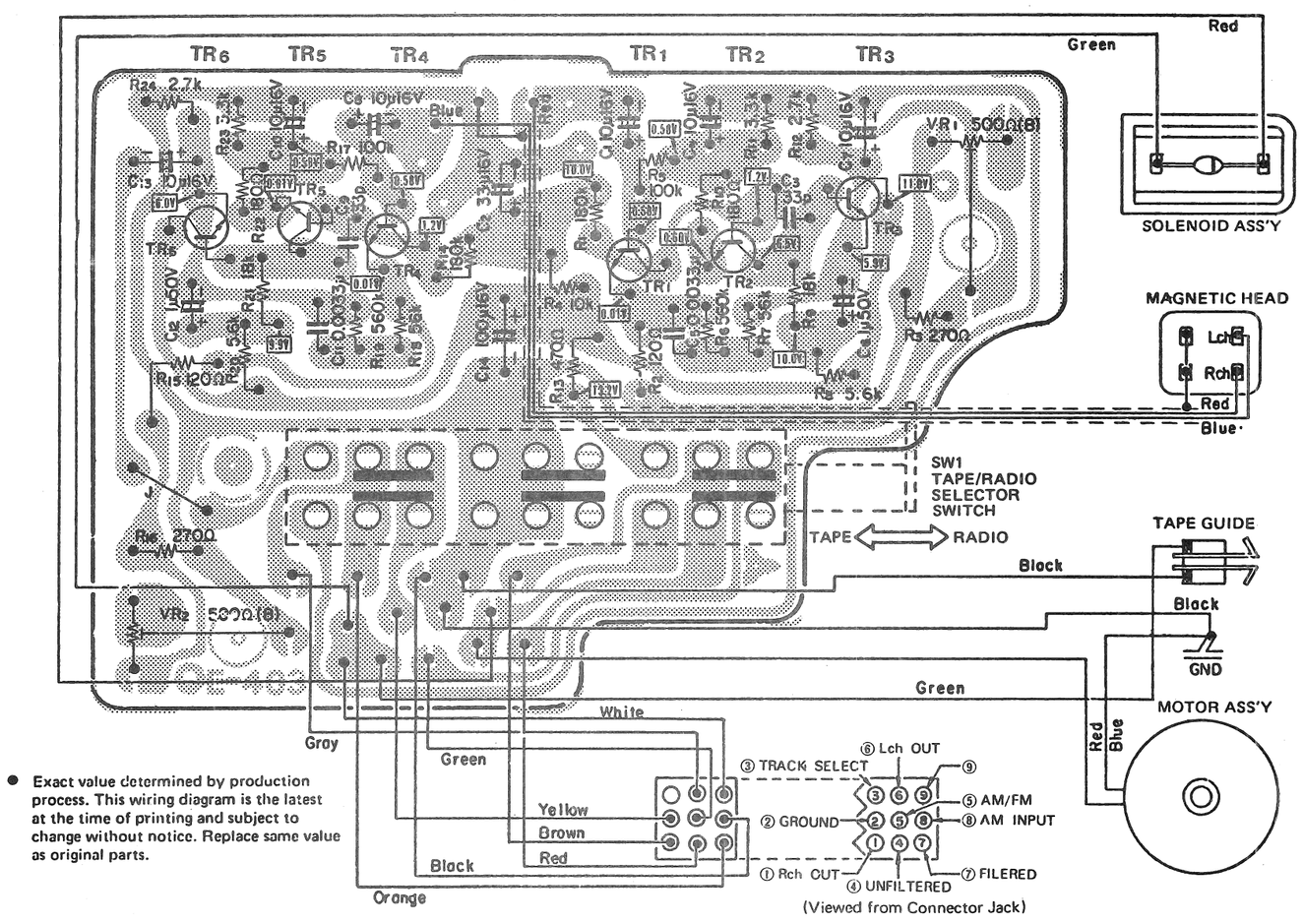

FIGURE 48B PRINTED CIRCUIT BOARD, TAPE PREAMPLIFIER BOARD (3597832)

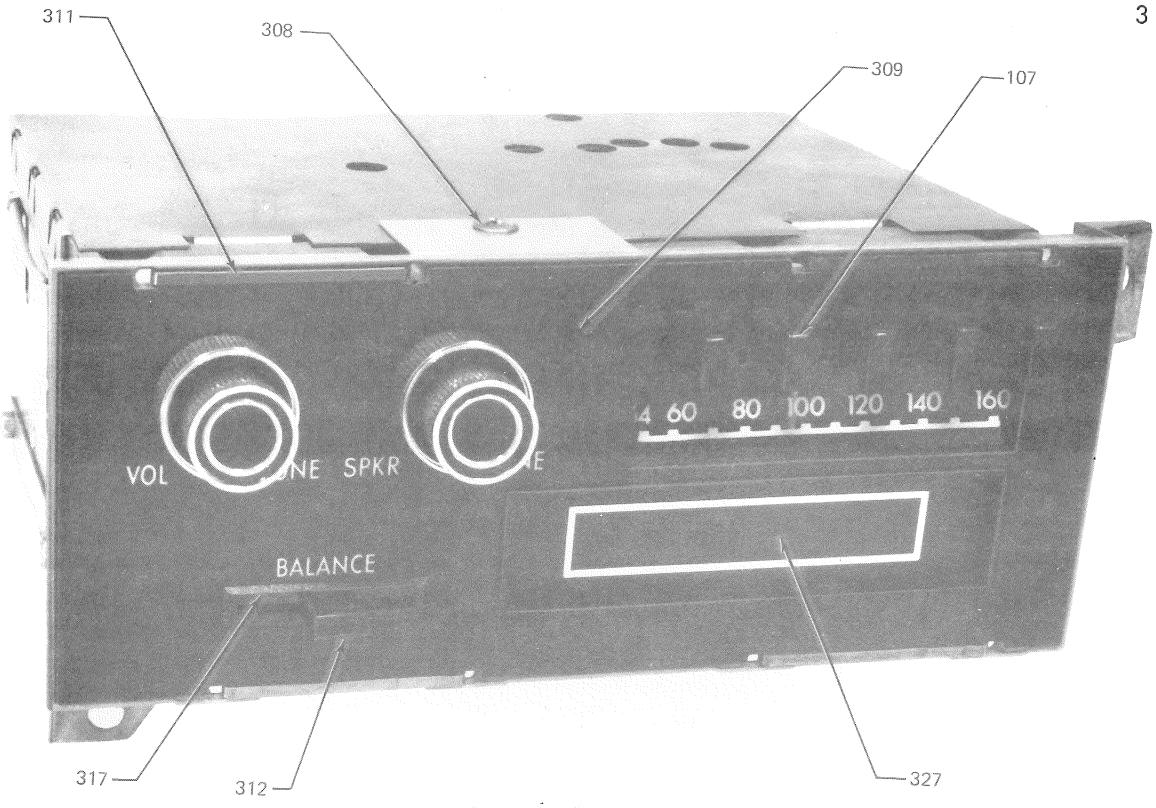

FIGURE 49. PARTS LOCATION, FRONT VIEW (3501457)

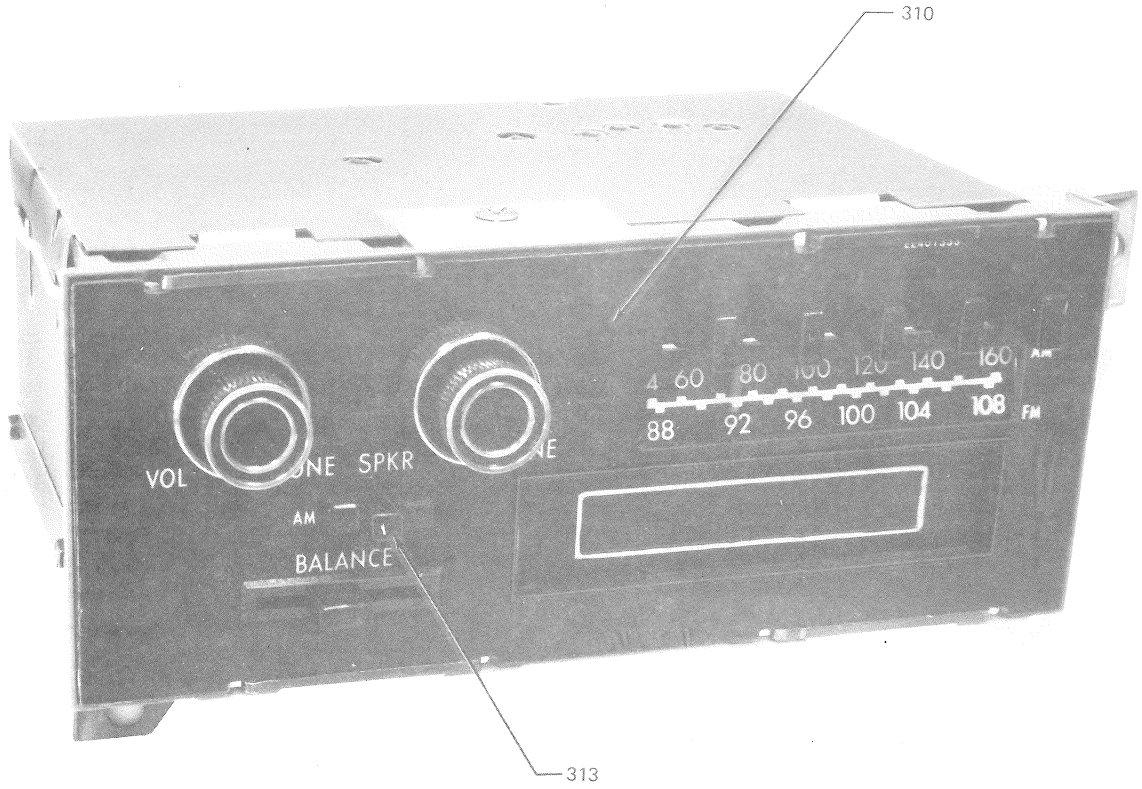

FIGURE 50. PARTS LOCATION, FRONT VIEW (3501458)

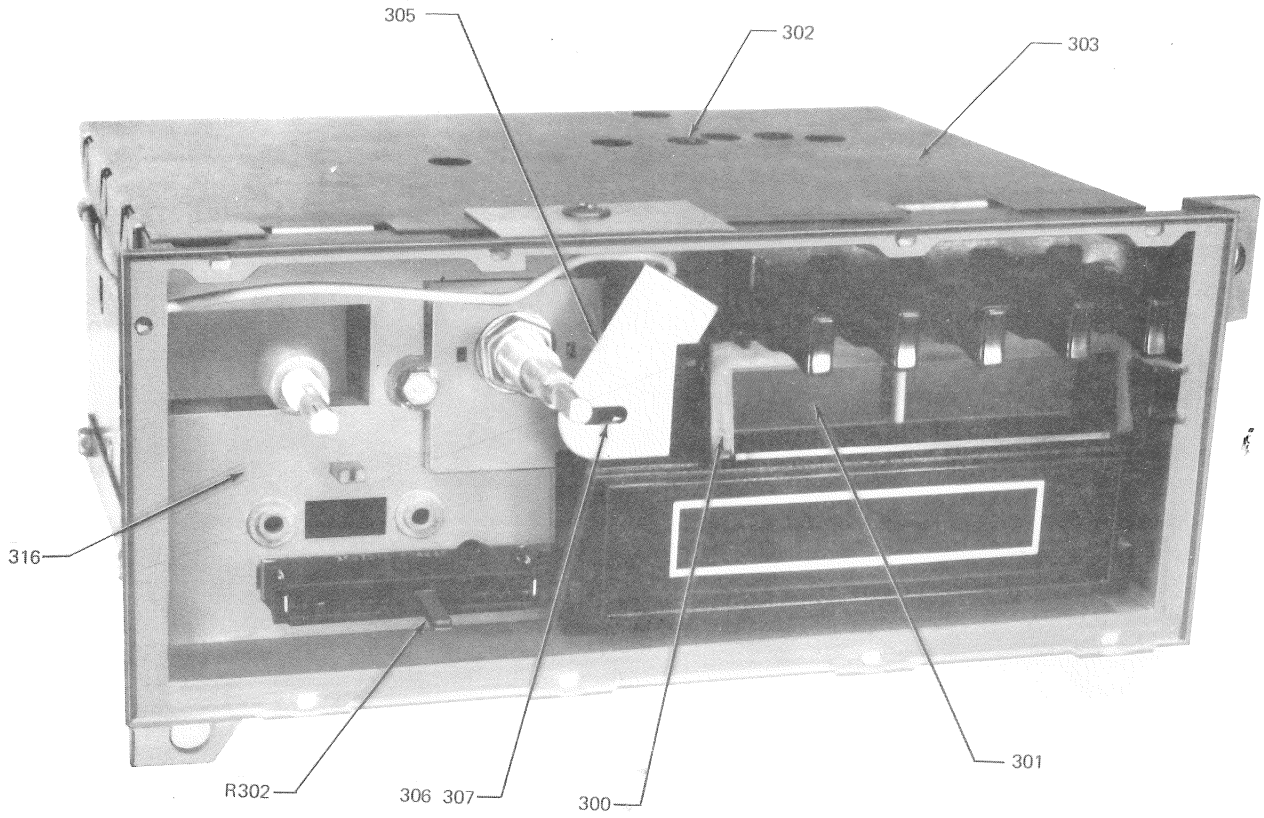

FIGURE 51. PARTS LOCATION, LENS ASSEMBLY REMOVED (3501457)

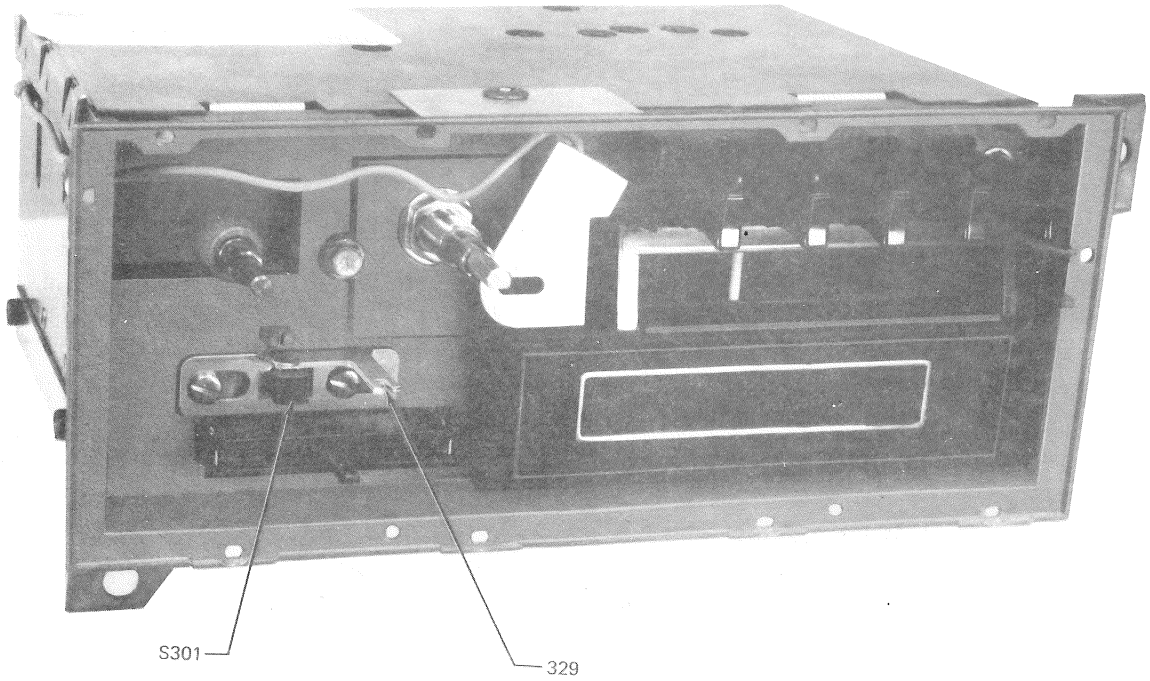

FIGURE 52. PARTS LOCATION, LENS ASSEMBLY REMOVED (3501458)

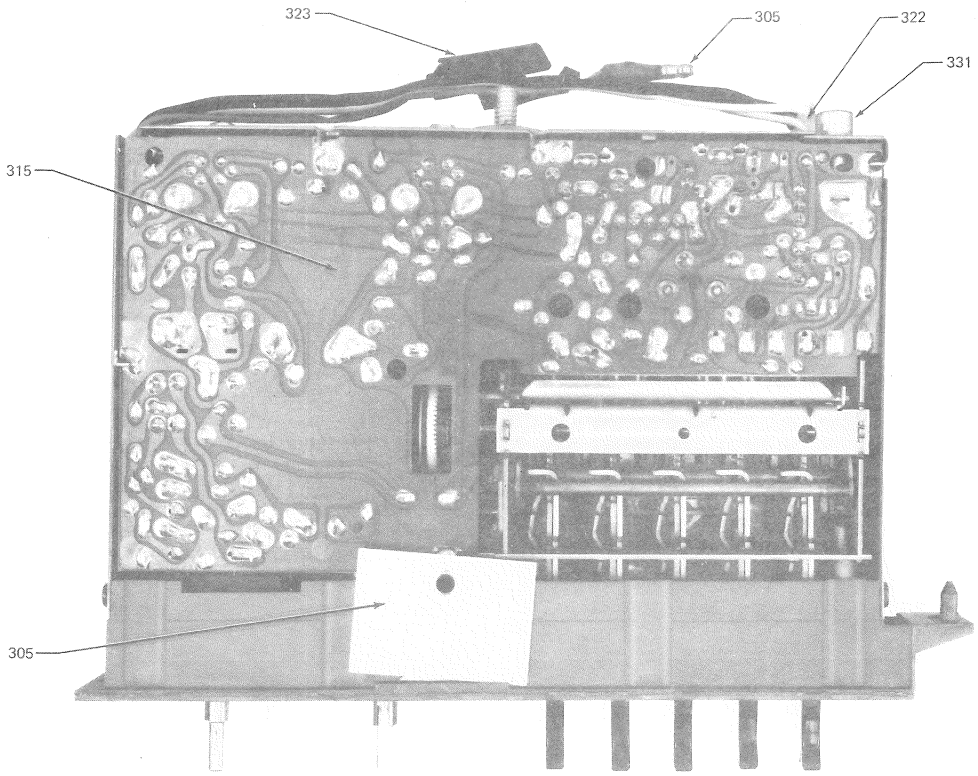

FIGURE 53. PARTS LOCATION, TOP VIEW (3501457 and 3501458)

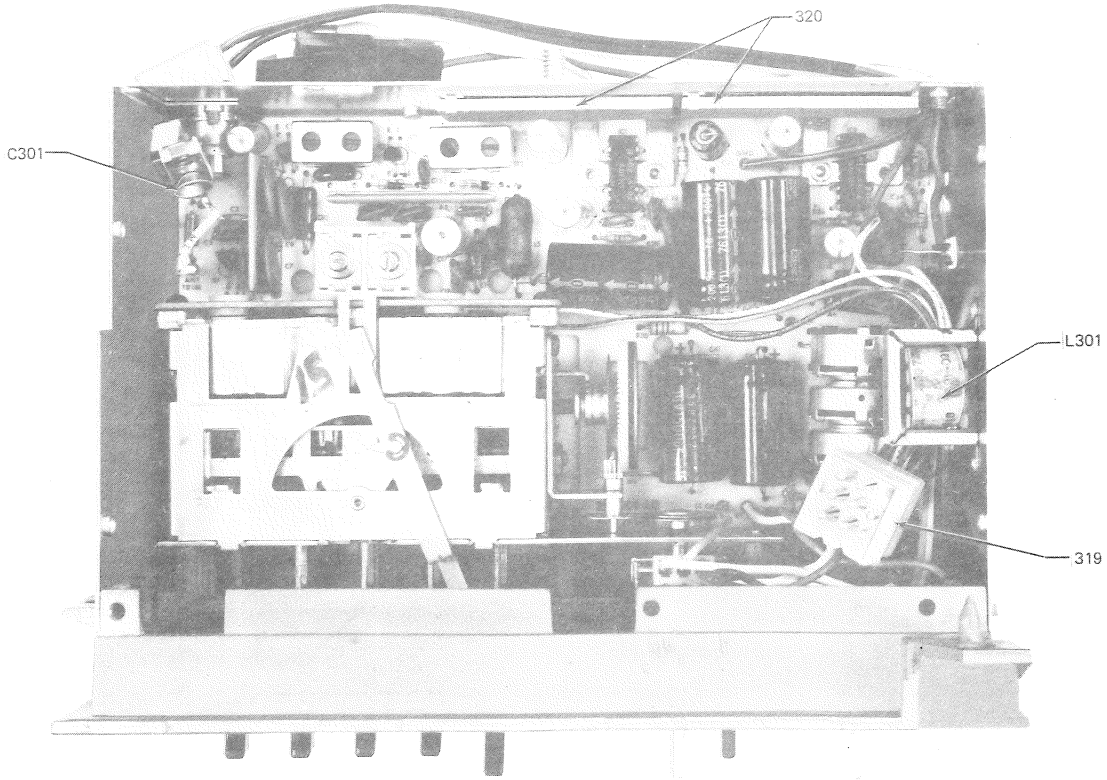

FIGURE 54. PARTS LOCATION, BOTTOM VIEW (3501457)

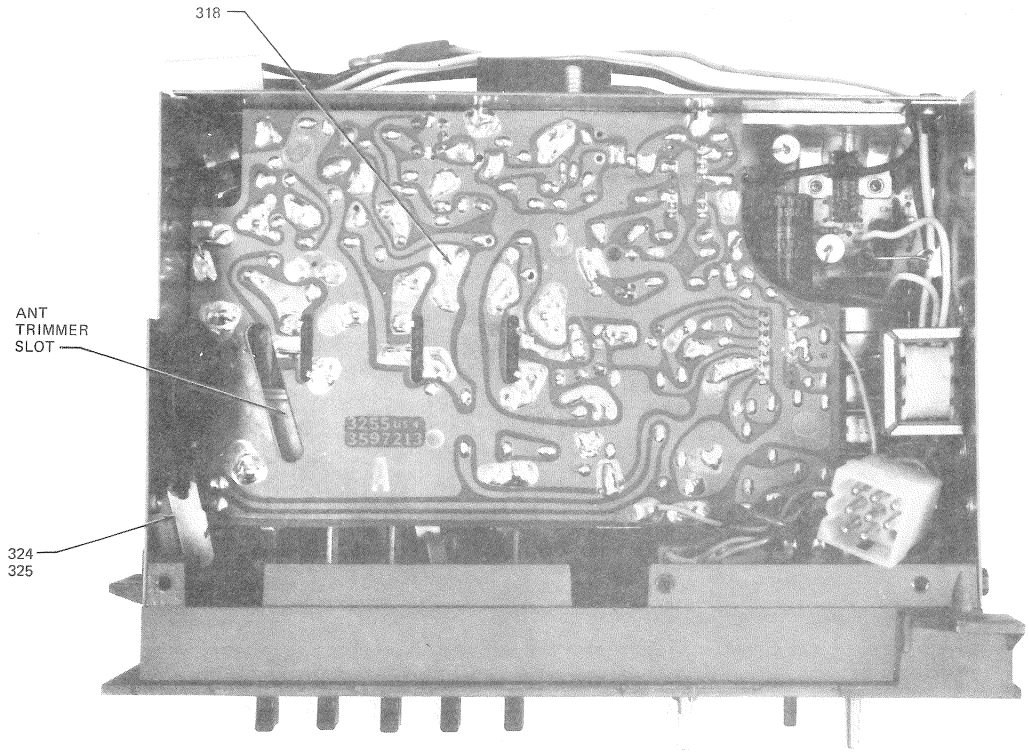

FIGURE 55. PARTS LOCATION, BOTTOM VIEW (3501458)

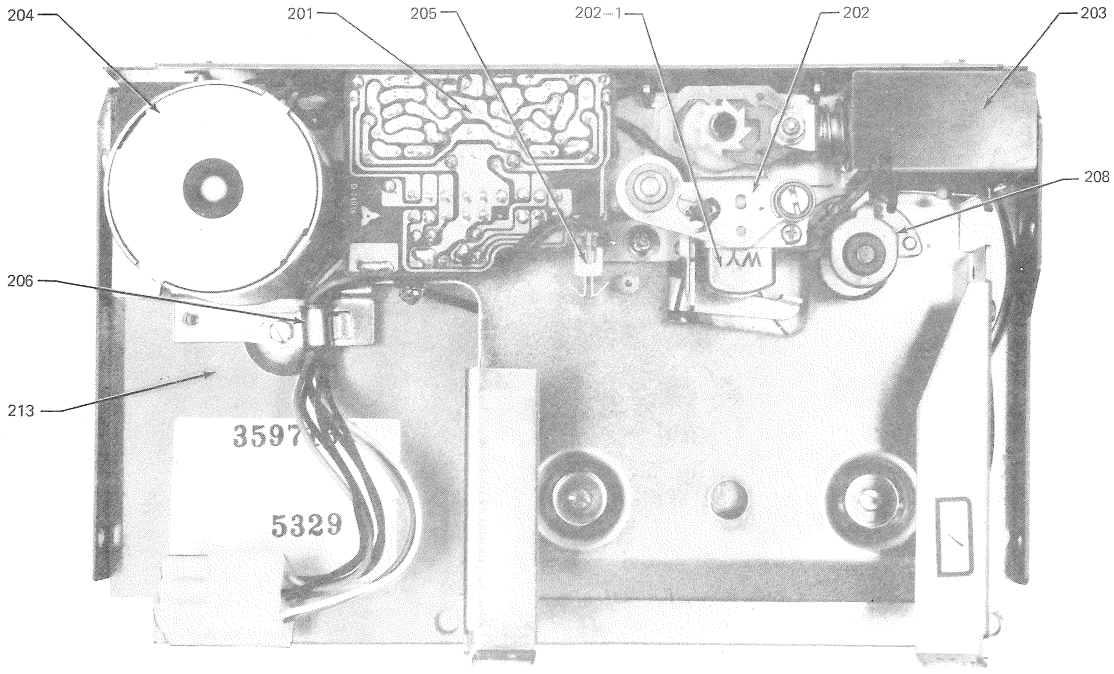

FIGURE 56. PARTS LOCATION, TAPE DECK ASSEMBLY

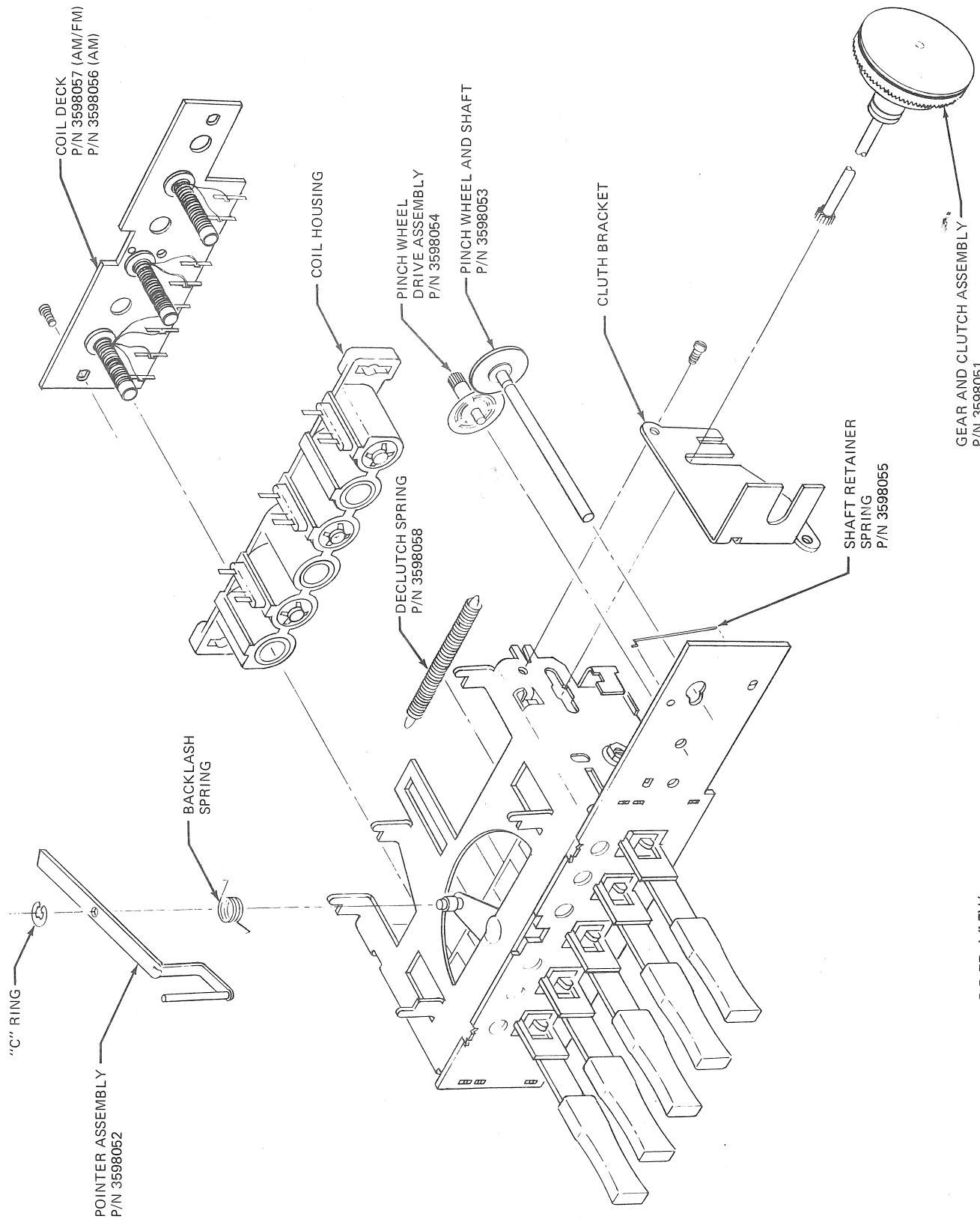

FIGURE 57. TUNER EXPLODED VIEW

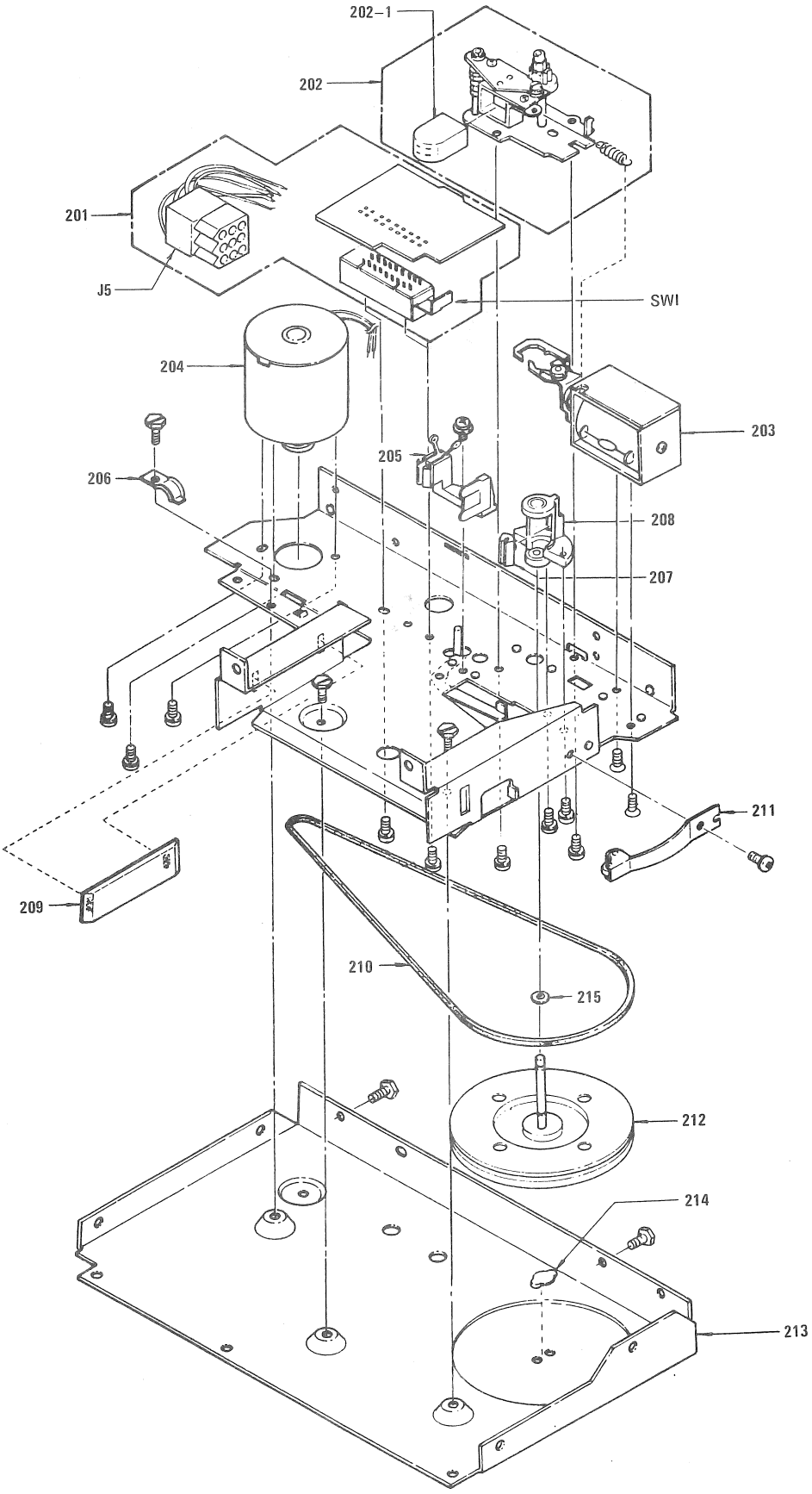

FIGURE 58. TAPE MECHANISM ASSEMBLY EXPLODED VIEW

SERVICE PROCEDURES

1. Dial Lamp Replacement - To replace the dial lamp perform the following steps (see Figure 50):

   a. Using a sharp bladed tool, remove the main lighting assembly retainer button (308).

   b. Lift the main lighting assembly (305) out of the radio to gain access to the dial lamp (306).

   c. Install new lamp #1816 (306) and assemble in reverse order.

2. Stereo Lamp Replacement - To replace the stereo lamp perform the following steps (see Figure 55):

   a. Using a sharp bladed tool, remove the stereo lamp holder retainer button.

   b. Lift the stereo lamp holder (325) out of the radio to gain access to the stereo lamp (324).

   c. Install new lamp #74 (324) and assemble in reverse order.

3. FM Board Removal - To gain access to the tuner for replacement or repair, and replacement of components mounted on the AM/AUDIO and FM Boards, the FM board must be removed. Perform the following steps to remove the FM board (see Figure 55 and 56):

   a. Remove six screws holding bottom cover and tape mechanism to radio.

   b. Carefully lift tape mechanism up and disconnect radio/tape interface cable J5 (319).

   c. Desolder two tabs holding FM board to rear chassis.

   d. Desolder and disconnect the Antenna, R.F. and Oscillator tuner coil leads from the F.M. board.

   e. Desolder and disconnect antenna shielded cable at C101 on FM Board.

   f. Using a solder sucker tool, remove the solder from the five slots holding the FM board to the tuner.

   g. The FM Board can now be lifted up exposing all components on the FM and AM/Audio boards.

4. Tuner Gear and Clutch Assembly Replacement - To replace the tuner gear and clutch assembly, perform the following steps (see Figure 57):

   a. Remove shaft retainer spring and remove pinch wheel shaft and drive assembly.

   b. Remove two Phillips head screws holding clutch bracket and remove clutch bracket and declutch spring.

   c. Remove three screws holding coil deck and coil housing. Carefully remove coil deck and housing from tuner.

   d. Push gear and clutch assembly toward the rear of tuner and gently pull the gear and clutch assembly to disengage and remove from tuner.

e. Install new gear and clutch assembly and assemble in reverse order.

5. Tuner Coil Assembly Replacement -

a. Remove three screws holding coil deck and housing and carefully remove from tuner.

b. If cores are to be replaced, remove the red "Glyptol" locking the tuner cores.

c. Using a non-metallic screwdriver, carefully remove the tuner cores.

To install new coil assembly components, reverse above procedure.

6. Tuner Pointer Replacement -

a. Disengage pointer backlash spring.

b. Remove C-Ring.

c. Lift front end of pointer and swing to one side of tuner and remove.

To install new pointer, reverse above procedure.

7. Tape Mechanism Assembly - Refer to Figure 58, Tape Mechanism Assembly Exploded View for disassembly of the tape mechanism.

8. Integrated Circuit IC 1 and IC 2 Replacement -

a. Drill out the IC mounting eyelets using a number 28 drill. NOTE: Remove solder from mounting eyelets and drill from solder side of board.

b. Desolder all pins on the IC.

c. Replace IC using 3/8 inch 4-40 screws and nuts.

ALIGNMENT

AM ALIGNMENT PROCEDURE

A 3.2 ohm speaker or a 3.2 ohm, 10 watt resistive load must be connected across the receiver speaker leads during alignment. Connect an audio output meter across the output load. Connect a signal generator through a dummy antenna to the receiver antenna receptacle (see Figure 60). With the fader control adjusted to maximum resistance, slowly increase the signal generator output from zero to a level to maintain 1.80 volts (1 watt) on the audio output meter to prevent overloading. The power source voltage should be 13.2 volts. With the top and bottom covers installed, perform the following steps for AM alignment. I.F. alignment is purposely excluded because the F.M. printed circuit board must be removed to tune the I.F. transformers on the 3501458 radio. These transformers are pre-tuned at the factory. The antenna trimer, C301 is located at the right rear corner of the radio. The adjustment is made through the tape cartridge slot using a long, thin screwdriver.

Step	Test Signal Connection	Test Signal Freq. (400 cps Mod.)	Tuner Set To	Adjust for Max. Output in Order Shown (see Figure 59)
RF ALIGNMENT				
1.	Antenna recept. through dummy antenna (see Figure 60)	1610 KHz	Hi-end Stop	C6B, C301, C6A
		NOTE		
	Do not perform steps 3, 4, 5, and 6 unless tuner has been tempered with or components have been replaced. Before proceeding with step 3, back tuning cores out of tuning coils to where they just remain in coil form, to eliminate their effect on trimmer adjustment.			
2.	Antenna recept. through dummy antenna (see Figure 60)	1610 KHz	Hi-end Stop	C6B, C301, C6A
3.	Antenna recept. through dummy antenna (see Figure 60)	1000 KHz	1000 KHz	L4, L3, L2
4.	Antenna recept. through dummy antenna (see Figure 60)	1610 KHz	Hi-end Stop	C6B, C301, C6A
5.	Repeat steps 3 and 4 until no further increase, then cement cores in place; last adjustment should be step 4.			
ANTENNA TRIMMER				
6.	With radio installed and antenna fully extended, tune receiver to a weak station at approximately 1600 KHz. Adjust the antenna trimmer C301, for maximum signal volume.			

FM ALIGNMENT PROCEDURE

With the fader control adjusted to maximum resistance, a 3.2 ohm speaker or a 3.2 ohm, 10 watt resistive load must be connected across the receiver speaker leads during alignment. Connect the generator through a dummy antenna to the receiver antenna receptacle (see Figure 61). Except for T102 adjustment, use only enough generator output to provide a usable indication. For T102 adjustment use enough signal for a conveniently noise free display. The tape deck assembly must be removed in order to adjust T102. However, while adjusting T102, the tape deck connector J-5 must remain connected to the radio. To gain access to the tuner slugs, the lens assembly and backdial must be removed. The lens assembly may be held in place to locate frequency dial settings. With the bottom cover installed, perform the following steps for FM alignment.

FM ALIGNMENT PROCEDURE (continued)

Step	Test Signal Connection	Test Equipment	Monitor Point	Adjustment
1.				Adjust receiver dial to 108.0 MHz and set a push-button to this frequency.
2.	Antenna recept. through dummy antenna (see Figure 61)	Sweep Gen. with 108 MHz Marker and Oscilloscope	Junction R125 & C126	Adjust T102 for oscilloscope display as shown in Figure 62. Adjust C115 for center of "S" curve at 108.0 MHz. Adjust C115, C108, C102, and T101 for maximum peak to peak output (below receiver limiting level).
3.	Antenna recept. through dummy antenna (see Figure 61)	Signal Gen. tuned to 108.0 MHz with 400 Hz. Modulation (22.5 KHz deviation)	Across Speaker Voice Coil	Adjust C115, C108, C102 and T101 for maximum audio output (below receiver limiting level).
	NOTE Do not perform steps 4 and 5 unless tuner has been tampered with or components have been replaced. Before proceeding with step 4, back tuning cores out of tuning coils to where they just remain in coil form, to eliminate their effect on trimmer adjustment. Repeat steps 1, 2, 3, (C115, C108, and C102 adjustment only).			
4.				Adjust receiver dial to 98.0 MHz and set a pushbutton to this frequency.
5.	Antenna recept. through dummy antenna (see Figure 61)	Signal Gen. tuned to 98.0 MHz with 400 Hz Modulation (22.5 KHz deviation)	Across Speaker Voice Coil	Adjust oscillator, RF, and antenna coil slugs for maximum audio output (below receiver limiting level).
6.	Repeat steps 3 and 5, using the previously set pushbuttons set at 108 and 98 MHz., until no further increase. Cement cores in place. The last adjustment should be step 3.			

STEREO COIL

Connect a frequency counter through a 56K ohm series resistor to the monitor test point. Short Junction of R125 and C126 to ground.

Step	Connection	Test Equipment	Monitor Point	Adjustment
1.		Freq. Counter (Tuned to 76 KHz)	Junction of T103, C132, and Pin 15 of I.C.	Adjust T103 for 76 KHz by peaking the output.

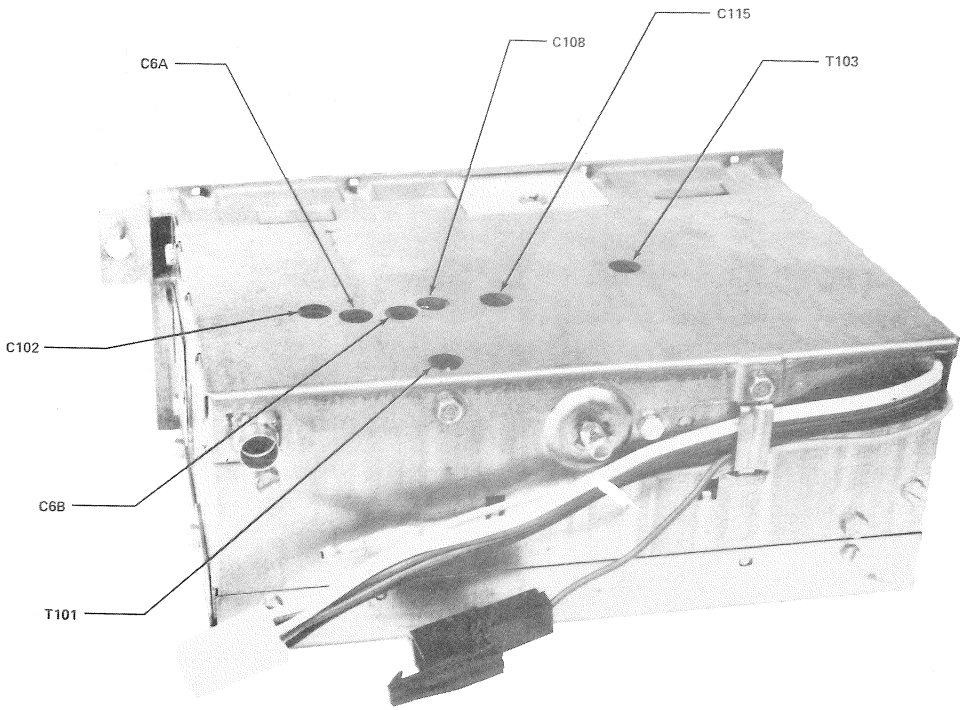

FIGURE 59. ALIGNMENT LOCATIONS

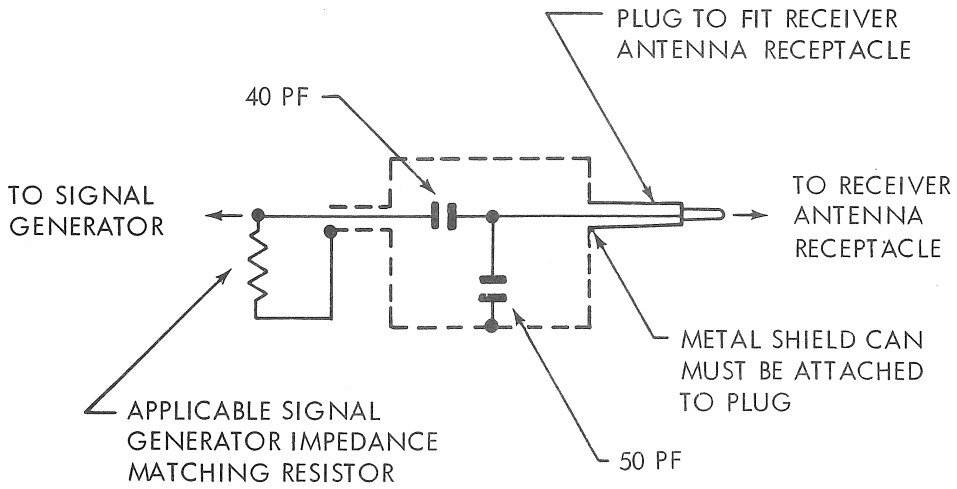

FIGURE 60. A.M. DUMMY ANTENNA DETAIL

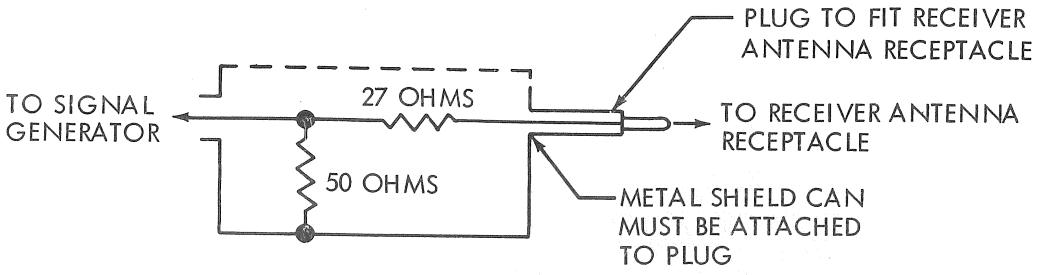

FIGURE 61. F.M. DUMMY ANTENNA DETAIL

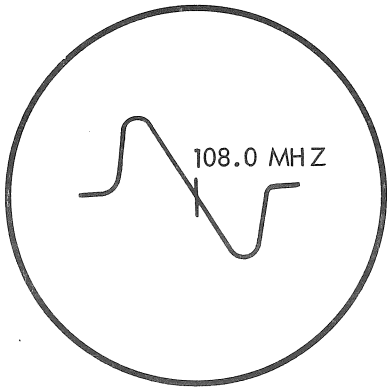

FIGURE 62. F.M. DETECTOR "S" CURVE

TAPE PLAYER ALIGNMENT PROCEDURE

Connect an AC VTVM and SCOPE through CHANNEL SWITCH BOX to RIGHT and LEFT CHANNEL OUTPUTS as shown in Figure 63 to perform the following procedure. Set volume control for convenient scope display and balance control to mid position.

Step	Test Cartridge	Program	Adjustment
HEAD ADJUSTMENT			
1	RCA 340	2 & 6	Activate selector switch until tracks 2 and 6 appear on scope (400 Hz).
AZIMUTH			
2	RCA 321	6 (8 KHz)	Azimuth adjustment screw for maximum indication on scope and VTVM.
HEIGHT			
3	RCA 321	2 (400 Hz)	Head height adjustment nut for minimum indication on Scope and VTVM.
Repeat steps and 2 and 3 for optimum adjustment and cement screw and nut.			

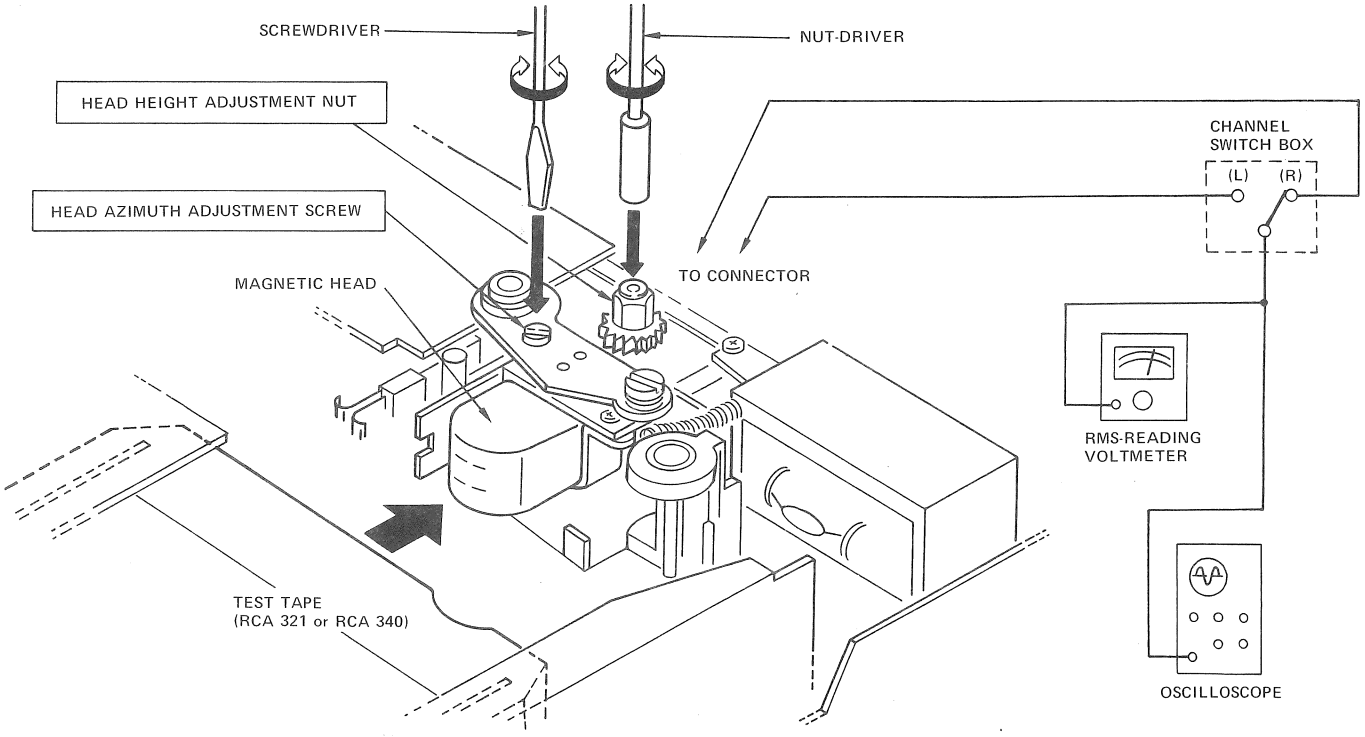

FIGURE 63, ALIGNMENT LOCATIONS

CLEANING PROCEDURE

Clean the magnetic head and flywheel shaft with a cotton swab dampened with isoprpyl (rubbing) alcohol (see Figure 64).

CLEANING MAGNETIC HEAD

Clean the residue from the magnetic head with a cotton swab dampened with isoprpyl (rubbing) alcohol.

CLEANING SHAFT OF FLYWHEEL

To clean the shaft of flywheel, turn on the motor ass'y until it operates by pushing the switch lever.
Clean the residue with a cotton swab dampened with alcohol.

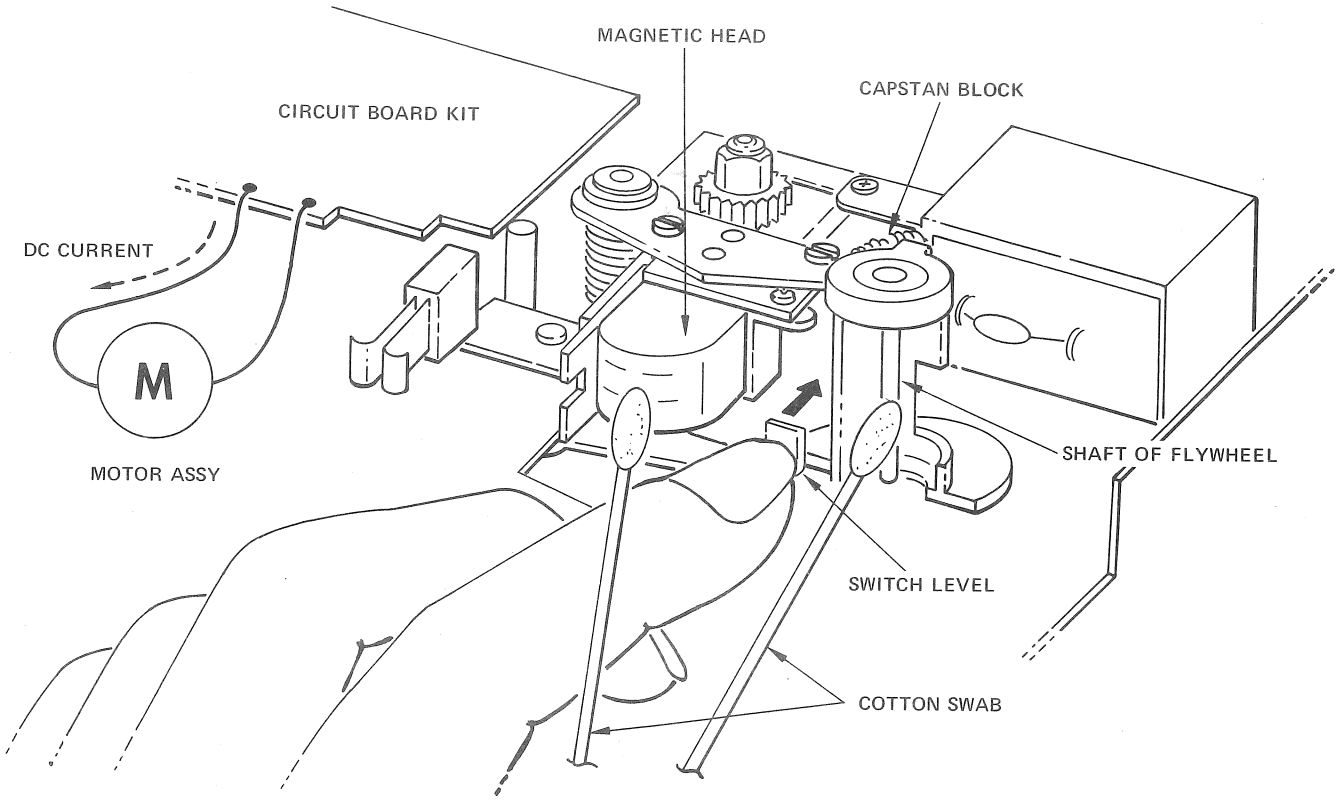

FIGURE 64. TAPE HEAD AND FLYWHEEL SHAFT CLEANING DETAIL

Ref. No.	Part Number	Description	Radio Used On 3501457	Radio Used On 3501458	Suggested Price
		DIODES-TRANSISTORS-MODULES			
X1	3596061	Diode, Silicon	X	X	0.20
X2	3596062	Diode, Germanium	X	X	0.35
X101	3596398	Diode, Zener, 6.8 V		X	0.65
X102	3596435	Diode, VVC		X	0.90
Q1A	3596067	Transistor, NPN Silicon, RF Amp, TO-98	X	X	0.85
Q1B	3596070	Transistor, NPN Silicon, RF Amp, TO-92	X	X	0.85
Q2A	3596068	Transistor, NPN Silicon, Osc/Mixer, TO-98	X	X	0.80
Q2B	3596071	Transistor, NPN Silicon, Osc/Mixer, TO-92	X	X	0.80
Q3A	3597103	Transistor, NPN Silicon, IF Amp, TO-98	X	X	0.80
Q3B	3597104	Transistor, NPN Silicon, IF Amp, TO-92	X	X	0.80
Q101	3596401	Dual Gate MOSFET N-Channel, RF Amp		X	2.50
Q102	3596402	Dual Gate MOSFET N-Channel, Mixer		X	2.50
Q103A	3596260	Transistor, NPN, FM IF Amp		X	0.75
Q103B	3596261	Transistor, NPN, FM IF Amp		X	0.75
Q104A	3596440	Transistor, NPN, FM Osc		X	0.75
Q104B	3597114	Transistor, NPN, FM Osc		X	0.75
IC1A	3597049	Integrated Circuit, Audio Output	X	X	4.35
IC2A	3597049	Integrated Circuit, Audio Output	X	X	4.35
IC1B	3597280	Integrated Circuit, Audio Output	X	X	4.35
IC2B	3597280	Integrated Circuit, Audio Output	X	X	4.35
IC101	3596810	Integrated Circuit, FM IF System		X	4.20
IC102	3596809	Integrated Circuit, Stereo MX Decoder		X	4.95
A1	3597230	Resistor Module, RF	X	X	1.75
A2	3597229	Resistor Module, IF	X	X	1.85
		TRANSISTORS - DIODES (PRE-AMP BOARD)			
TR1	2SC644	Transistor, NPN, Silicon, AF Amp	X	X	0.80
TR2	2SC828	Transistor, NPN, Silicon, AF Amp	X	X	0.80
TR3	2SC828	Transistor, NPN, Silicon, AF Amp	X	X	0.80
TR4	2SC644	Transistor, NPN, Silicon, AF Amp	X	X	0.80
TR5	2SC828	Transistor, NPS, Silicon, AF Amp	X	X	0.80
TR6	2SC828	Transistor, NPN, Silicon, AF Amp	X	X	0.80
X401	YEAD030	Diode	X	X	0.20
		COILS-TRANSFORMERS-FILTERS			
L1	3596331	Inductor, RF	X	X	0.45
L5	3596247	Inductor, Audio Filter	X	X	1.25
L104	3597235	Choke		X	0.55
L301	3597267	Choke, Supply Filter Assembly	X	X	2.65
T1	3597234	Transformer, IF Input	X	X	2.80
T2	3597247	Transformer, IF Output	X	X	2.90
T101	3596400	Transformer, FM IF Input		X	0.90
T102	3596807	FM Detector Coil		X	1.05
T103	3596806	Stereo Oscillator Coil		X	1.25
FB101	3596355	Ferrite Bead		X	0.20
FB102	3596355	Ferrite Bead		X	0.20
FB103	3596355	Ferrite Bead		X	0.20
FB104	3596355	Ferrite Bead		X	0.20
FB105	3596355	Ferrite Bead		X	0.20
FB106	3596355	Ferrite Bead		X	0.20
FL101A	3597394	Ceramic Filter, 10.7 MHZ		X	1.65
FL101B	3597298	Ceramic Filter, 10.7 MHZ		X	1.65
FL102A	3597394	Ceramic Filter, 10.7 MHZ		X	1.65
FL102B	3597298	Ceramic Filter, 10.7 MHZ		X	1.65

Ref. No.	Part Number	Description	Radio Used On 3501457	Radio Used On 3501458	Suggested Price
		CAPACITORS			
C1	3596823	Capacitor, Electrolytic, 50 MF	X	X	0.65
C2	3596112	Capacitor, Disc Ceramic, .0047 MF	X	X	0.15
C3	3596088	Capacitor, Disc Ceramic, .0027 MF	X	X	0.15
C4	3597101	Capacitor, Disc Ceramic, 100 PF	X	X	0.15
C5	3597296	Capacitor, Disc Ceramic, 130 PF	X	X	0.20
C6	3597232	Capacitor, Dual Trimmer	X	X	1.20
C7	3596237	Capacitor, Disc Ceramic, 220 PF	X	X	0.20
C8	3596083	Capacitor, Disc Ceramic, .01 MF	X	X	0.30
C9	3596083	Capacitor, Disc Ceramic, .01 MF	X	X	0.30
C10	3596421	Capacitor, Mylar, .01 MF	X	X	0.45
C11	3596439	Capacitor, Dipped Mica, 390 PF	X	X	0.65
C12	3596089	Capacitor, Disc Ceramic, .05 MF	X	X	0.25
C13	3596089	Capacitor, Disc Ceramic, .05 MF	X	X	0.25
C14	3596089	Capacitor, Disc Ceramic, .05 MF	X	X	0.25
C15	3596125	Capacitor, Disc Ceramic, 150 PF	X	X	0.15
C16	3596088	Capacitor, Disc Ceramic, .0027 MF	X	X	0.15
C17	3597249	Capacitor, Electrolytic, 200 MF	X	X	0.80
C18	3596089	Capacitor, Disc Ceramic, .05 MF	X	X	0.25
C19	3596255	Capacitor, Tantalum, 3.3 MF	X	X	1.30
C20	3596138	Capacitor, Disc Ceramic, .001 MF	X	X	0.15
C21	3596419	Capacitor, Mylar, .0039 MF	X	X	0.45
C22	3596821	Capacitor, Disc Ceramic, .033 MF	X	X	0.20
C23	3596821	Capacitor, Disc Ceramic, .033 MF	X	X	0.20
C24	3596819	Capacitor, Disc Ceramic, .1 MF	X	X	0.30
C25	3596819	Capacitor, Disc Ceramic, .1 MF	X	X	0.30
C26	3596883	Capacitor, Mylar, .0047 MF	X	X	0.45
C27	3596883	Capacitor, Mylar, .0047 MF	X	X	0.45
C28	3597043	Capacitor, Electrolytic, 100 MF	X	X	0.80
C29	3597043	Capacitor, Electrolytic, 100 MF	X	X	0.80
C30	3597251	Capacitor, Electrolytic, 150 MF	X	X	1.05
C31	3597250	Capacitor, Electrolytic, 150 MF	X	X	1.05
C32	3596088	Capacitor, Disc Ceramic, .0027 MF	X	X	0.15
C33	3596088	Capacitor, Disc Ceramic, .0027 MF	X	X	0.15
C34	3596822	Capacitor, Disc Ceramic, 500 PF	X	X	0.15
C35	3596822	Capacitor, Disc Ceramic, 500 PF	X	X	0.15
C36	3597043	Capacitor, Electrolytic, 100 MF	X	X	0.80
C37	3596043	Capacitor, Electrolytic, 100 MF	X	X	1.10
C38	3597380	Capacitor, Disc Ceramic, .1 MF	X	X	0.30
C39	3597380	Capacitor, Disc Ceramic, .1 MF	X	X	0.30
C40	3597252	Capacitor, Electrolytic, 1500 MF	X	X	1.80
C41	3597252	Capacitor, Electrolytic, 1500 MF	X	X	1.80
C42	3597252	Capacitor, Electrolytic, 1500 MF	X	X	1.80
C43	3597252	Capacitor, Electrolytic, 1500 MF	X	X	1.80
C44	3597264	Capacitor, Mylar, .068 MF	X	X	0.45
C45	3597252	Capacitor, Electrolytic, 1500 MF	X	X	1.80
C46	3597262	Capacitor, Metal Mylar, .047 MF	X	X	0.45
C101	3596840	Capacitor, Composition, 1.8 PF		X	0.20
C102	3596539	Capacitor, Trimmer, 6/25 PF		X	0.75
C103	3596138	Capacitor, Disc, .001 MF		X	0.15
C104	3596112	Capacitor, Disc, .0047 MF		X	0.15
C105	3596138	Capacitor, Disc, .001 MF		X	0.15
C106	3596112	Capacitor, Disc, .0047 MF		X	0.15
C107	3596089	Capacitor, Disc, .05 MF		X	0.25

Ref. No.	Part Number	Description	Radio Used On 3501457	3501458	Suggested Price
		CAPACITORS (Contd)			
C108	3596539	Capacitor, Trimmer, 6/25 PF		X	0.75
C109	3596843	Capacitor, Composition, 8.2 PF		X	0.20
C110	3596842	Capacitor, Composition, 4.7 PF		X	0.20
C111	3596089	Capacitor, Disc, .05 MF		X	0.25
C112	3596112	Capacitor, Disc, .0047 MF		X	0.15
C113	3596408	Capacitor, Disc, 25 PF		X	0.15
C114	3596404	Capacitor, Disc, 4.7 PF		X	0.15
C115	3597108	Capacitor, Trimmer, 3/15 PF		X	0.75
C116	3596415	Capacitor, Disc, 2.7 PF, N330		X	0.15
C117	3596841	Capacitor, Composition, 2.7 PF		X	0.20
C118	3597380	Capacitor, Disc, .1 MF		X	0.30
C119	3596112	Capacitor, Disc, .0047 MF		X	0.15
C120	3596089	Capacitor, Disc, .05 MF		X	0.25
C121	3596089	Capacitor, Disc, .05 MF		X	0.25
C122	3596089	Capacitor, Disc, .05 MF		X	0.25
C123	3596089	Capacitor, Disc, .05 MF		X	0.25
C124	3596089	Capacitor, Disc, .05 MF		X	0.25
C125	3596089	Capacitor, Disc, .05 MF		X	0.25
C126	3596256	Capacitor, Tantalum, 1.0 MF		X	1.05
C127	3597101	Capacitor, Disc, 100 PF		X	0.15
C128	3596256	Capacitor, Tantalum, 1.0 MF		X	1.05
C129	3597380	Capacitor, Disc, .1 MF		X	0.30
C130	3596256	Capacitor, Tantalum, 1.0 MF		X	1.05
C131	3597231	Capacitor, Tantalum, 3.3 MF		X	1.30
C132	3596827	Capacitor, Polystyrene, 3900 PF		X	0.65
C133	3596089	Capacitor, Disc, .05 MF		X	0.25
C134	3597248	Capacitor, Electrolytic, 100 MF		X	1.10
C135	3596255	Capacitor, Tantalum, 3.3 MF		X	1.30
C136	3596255	Capacitor, Tantalum, 3.3 MF		X	1.30
C137	3596421	Capacitor, Mylar, .01 MF		X	0.45
C138	3596421	Capacitor, Mylar, .01 MF		X	0.45
C301	3597199	Capacitor, Var. Mica, Antenna Trimmer	X	X	0.75
		CAPACITORS (PRE-AMP BOARD)			
C1	ECEA16V10L	Capacitor, Electrolytic, 10 MF	X	X	0.80
C2	ECEA16V33L	Capacitor, Electrolytic, 33 MF	X	X	0.80
C3	YECCD1H330KM	Capacitor, Ceramic, 33 PF	X	X	0.20
C4	ECEA16V10L	Capacitor, Electrolytic, 10 MF	X	X	0.80
C5	YECQN1H332K	Capacitor, Polyester, .0033 MF	X	X	0.20
C6	ECEA50V1L	Capacitor, Electrolytic, 1 MF	X	X	0.80
C7	ECEA16V10L	Capacitor, Electrolytic, 10 MF	X	X	0.80
C8	ECEA16V10L	Capacitor, Electrolytic, 10 MF	X	X	0.80
C9	YECCD1H330KM	Capacitor, Polyester, 33 PF	X	X	0.20
C10	ECEA16V10L	Capacitor, Electrolytic, 10 MF	X	X	0.80
C11	YECQN1H332K	Capacitor, Ceramic, .0033 MF	X	X	0.20
C12	ECEA50V1L	Capacitor, Electrolytic, 1 MF	X	X	0.80
C13	ECEA16V10L	Capacitor, Electrolytic, 10 MF	X	X	0.80
C14	ECEA16V100L	Capacitor, Electrolytic, 100 MF	X	X	0.80

Ref. No.	Part Number	Descriptions	Radio Used On 3501457	Radio Used On 3501458	Suggested Price
		RESISTORS-CONTROLS			
R9	3597091-432	Resistor, 1/4 W, 4.3 K Ohms, ± 5%	X	X	0.15
R18	3597092-181	Resistor, 1/4 W, 180 Ohms, ± 10%	X	X	0.15
R19	3597092-153	Resistor, 1/4 W, 15 K Ohms, ± 10%	X	X	0.15
R20	3597092-153	Resistor, 1/4 W, 15 K Ohms, ± 10%	X	X	0.15
R21A	3597215	Control, Vol, Tone & Switches (Mal)	X	X	7.85
R21B	3597207	Control, Vol, Tone & Switches (CTS)	X	X	7.85
R22	3597092-332	Resistor, 1/4 W, 3.3 K Ohms, ± 10%	X	X	0.15
R23	3597092-332	Resistor, 1/4 W, 3.3 K Ohms, ± 10%	X	X	0.15
R24	3597091-180	Resistor, 1/4 W, 18 Ohms, ± 10%	X	X	0.15
R25	3597091-180	Resistor, 1/4 W, 18 Ohms, ± 10%	X	X	0.15
R26	3597092-101	Resistor, 1/4 W, 100 Ohms, ± 10%	X	X	0.15
R27	3597092-101	Resistor, 1/4 W, 100 Ohms, ± 10%	X	X	0.15
R28	3597092-1R0	Resistor, 1/4 W, 1.0 Ohm, ± 5%	X	X	0.15
R29	3597092-1R0	Resistor, 1/4 W, 1.0 Ohm, ± 5%	X	X	0.15
R30	3597559-270	Resistor, 1/2 W, 27 Ohms, ± 10%	X	X	0.15
R101	3597092-473	Resistor, 1/4 W, 47 K Ohms, ± 10%		X	0.15
R102	3597092-823	Resistor, 1/4 W, 82 K Ohms, ± 10%		X	0.15
R103	3597092-333	Resistor, 1/4 W, 33 K Ohms, ± 10%		X	0.15
R104	3597092-470	Resistor, 1/4 W, 47 Ohms, ± 10%		X	0.15
R105	3597092-471	Resistor, 1/4 W, 470 Ohms, ± 10%		X	0.15
R106	3597092-391	Resistor, 1/4 W, 390 Ohms, ± 10%		X	0.15
R107	3597092-103	Resistor, 1/4 W, 10 K Ohms, ± 10%		X	0.15
R108	3597092-332	Resistor, 1/4 W, 3.3 K Ohms, ± 10%		X	0.15
R109	3597092-102	Resistor, 1/4 W, 1 K Ohms, ± 10%		X	0.15
R110	3597092-473	Resistor, 1/4 W, 47 K Ohms, ± 10%		X	0.15
R111	3597092-274	Resistor, 1/4 W, 270 K Ohms, ± 10%		X	0.15
R112	3597092-333	Resistor, 1/4 W, 33 K Ohms, ± 10%		X	0.15
R113	3597092-274	Resistor, 1/4 W, 270 K Ohms, ± 10%		X	0.15
R114	3597092-182	Resistor, 1/4 W, 1.8 K Ohms, ± 10%		X	0.15
R115	3597092-680	Resistor, 1/4 W, 68 Ohms, ± 10%		X	0.15
R116	3597092-271	Resistor, 1/4 W, 270 Ohms, ± 10%		X	0.15
R117	3597092-101	Resistor, 1/4 W, 100 Ohms, ± 10%		X	0.15
R118	3597092-222	Resistor, 1/4 W, 2.2 K Ohms, ± 10%		X	0.15
R119	3597092-471	Resistor, 1/4 W, 470 Ohms, ± 10%		X	0.15
R120	3597092-271	Resistor, 1/4 W, 270 Ohms, ± 10%		X	0.15
R121	3597092-471	Resistor, 1/4 W, 470 Ohms, ± 10%		X	0.15
R122	3597092-471	Resistor, 1/4 W, 470 Ohms, ± 10%		X	0.15
R123	3597092-103	Resistor, 1/4 W, 10 K Ohms, ± 10%		X	0.15
R124	3597092-392	Resistor, 1/4 W, 3.9 K Ohms, ± 10%		X	0.15
R125	3597092-103	Resistor, 1/4 W, 10 K Ohms, ± 10%		X	0.15
R126	3597092-474	Resistor, 1/4 W, 470 K Ohms, ± 10%		X	0.15
R127	3597092-331	Resistor, 1/4 W, 330 Ohms, ± 10%		X	0.15
R128	3597559-100	Resistor, 1/2 W, 10 Ohms, ± 10%		X	0.15
R129	3597092-123	Resistor, 1/4 W, 12 K Ohms, ± 10%		X	0.15
R130	3597092-123	Resistor, 1/4 W, 12 K Ohms, ± 10%		X	0.15
R131	3597092-123	Resistor, 1/4 W, 12 K Ohms, ± 10%		X	0.15
R132	3597092-123	Resistor, 1/4 W, 12 K Ohms, ± 10%		X	0.15
R301A	3596258	Control, Dual Fader, CTS		X	3.60
R301B	3596795	Control, Dual Fader, Centralab		X	3.60
R302A	3597192	Control, Balance, CTS		X	2.00
R302B	3597216	Control, Balance, Mallory		X	2.00

Ref. No.	Part Number	Description	Radio Used On 3501457	Radio Used On 3501458	Suggested Price
		RESISTORS (PRE-AMP BOARD)			
R1	ERD18VJ184	Resistor, 1/8 W, 180 K Ohms	X	X	0.15
R2	ERD18VJ221	Resistor, 1/8 W, 220 Ohms	X	X	0.15
R3	ERD18VJ103	Resistor, 1/8 W, 10K Ohms	X	X	0.15
R4	ERD18VJ274	Resistor, 1/8 W, 270 K Ohms	X	X	0.15
R5	ERD18VJ564	Resistor, 1/8 W, 560 K Ohms	X	X	0.15
R6	ERD18VJ563	Resistor, 1/8 W, 56 K Ohms	X	X	0.15
R7	ERD18VJ562	Resistor, 1/8 W, 5.6 K Ohms	X	X	0.15
R8	ERD18VJ183	Resistor, 1/8 W, 18K Ohms	X	X	0.15
R9	ERD18VJ181	Resistor, 1/8 W, 180 Ohms	X	X	0.15
R10	ERD18VJ332	Resistor, 1/8 W, 3.3K Ohms	X	X	0.15
R11	ERD18VJ272	Resistor, 1/8 W, 2.7 KOhms	X	X	0.15
R12	ERD18VJ471	Resistor, 1/8 W, 470 Ohms	X	X	0.15
R13	ERD18VJ184	Resistor, 1/8 W, 180 K Ohms	X	X	0.15
R14	ERD18VJ221	Resistor, 1/8 W, 220 Ohms	X	X	0.15
R15	ERD18VJ274	Resistor, 1/8 W, 270 K Ohms	X	X	0.15
R16	ERD18VJ563	Resistor, 1/8 W, 56K Ohms	X	X	0.15
R17	ERD18VJ564	Resistor, 1/8 W, 560 K Ohms	X	X	0.15
R18	ERD18VJ562	Resistor, 1/8 W, 5.6 K Ohms	X	X	0.15
R19	ERD18VJ183	Resistor, 1/8 W, 18 K Ohms	X	X	0.15
R20	ERD18VJ181	Resistor, 1/8 W, 180 Ohms	X	X	0.15
R21	ERD18VJ332	Resistor, 1/8 W, 3.3 K Ohms	X	X	0.15
R22	ERD18VJ272	Resistor, 1/8 W, 2.7 K Ohms	X	X	0.15
		TUNERS/TUNER PARTS			
100	3597196	Tuner Assembly, AM (GI)	X		28.00
101	3597197	Tuner Assembly, FM (GI)		X	37.00
102	3598051	Gear & Clutch Assembly	X	X	2.75
103	3598052	Pointer Assembly	X	X	0.50
104	3598053	Pinch Wheel & Shaft	X	X	1.15
105	3598054	Pinch Wheel Drive Assembly	X	X	0.90
106	3598055	Retainer Spring, Pinch Wheel Shaft	X	X	0.05
107	3596860	Pushbutton	X	X	0.15
108	3598056	Coil, Deck Assembly (AM)	X		4.50
109	3598057	Coil, Deck Assembly (AM/FM)		X	5.50
110	3598058	Declutch Plate	X	X	0.10
111	3598059	Slide Return Spring	X	X	0.05
112	3598060	Key Bias Spring	X	X	0.10
		TAPE MECHANISM/PARTS			
200	3597160	Tape Mechanism Assembly, 8 Track MX	X	X	87.75
201A	3597832	Tape Preamplifier Board Assembly	X	X	20.00
201B	3597161	Tape Preamplifier Board Assembly	X	X	20.00
202	YASFX036032	Head Moving Plate Assembly	X	X	20.00
202-1	YEAH1082SA	Magnetic Head	X	X	15.00
203	YASAX01008	Solenoid Assembly	X	X	7.00
204	3597158	Motor Assembly W/Pulley	X	X	21.00
205	YEFX235101	Tape Guide	X	X	1.75
206	YAFX016023	Cable Clamp	X	X	0.25
207	YAFX025010	Capstan Shoe	X	X	0.15

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Ref. No.	Part Number	Description	Radio Used On 3501457	Radio Used On 3501458	Suggested Price
		TAPE MECHANISM/PARTS (Contd)			
208	YEFX212104	Capstan Block	X	X	2.25
209	YEFX223102	Cartridge Guide	X	X	1.30
210	YEFR03019	Rubber Belt	X	X	0.90
211	YEFX005241	Spring	X	X	1.35
212	YEFX213115	Fly Wheel	X	X	5.65
213	YEFA05111	Cover, Bottom	X	X	1.75
214	YEFX219104	Thrust Sheet	X	X	0.25
215	YAFL02026	Spacer	X	X	0.15
SW1	YEAS07037	Tape/Radio Selector Switch	X	X	3.20
J5	YEAS01067	Preamplifier Connector Assembly	X	X	3.75
		MISCELLANEOUS PARTS			
300	3597170	Dial Mask	X	X	0.35
301	3597169	Backdial	X	X	0.20
302	3597227	Insulator, Top Cover	X	X	0.35
303	3597182	Top Cover	X	X	0.60
304	3597184	Cable Clip	X	X	0.05
305	3597171	Main Lighting Assembly	X	X	0.90
306	3596159	Lamp # 1816	X	X	0.25
307	3597204	Diffuser, Lamp	X	X	0.20
308	3597223	Retainer, Button	X	X	0.05
309	3597164	Lens Assembly, AM	X		3.65
310	3597165	Lens Assembly, AM/FM		X	3.50
311	3596294	Lens, Clip	X	X	0.05
312	3596778	Balance Control Knob	X	X	0.30
313	3596295	Switch Actuator Button		X	0.05
314	3597176	Stereo Lamp Door		X	0.10
315	3597209/210	AM/Audio P.C. Board Assembly	X	X	27.00
316	3597166	Sub Escutcheon	X	X	4.40
317	3596793	Bezel, Balance, Control	X	X	0.20
318	3597212	FM-P.C. Board Assembly	X	X	22.00
319	3597253	Cable Assembly, Radio/Tape Interface	X	X	0.75
320	3597200	Heatsink	X	X	0.25
321	3597233	Cable Shielded		X	0.10
322	3597255	Cable Assembly, Speaker	X	X	2.75
323	3597269	Cable, Power	X	X	0.25
324	3596792	Lamp, Stereo #74		X	0.35
325	3597174	Stereo Lamp Holder		X	0.55
326	3597189	Door Tape	X	X	0.90
327	3597190	Spring, Tape Door	X	X	0.20
328	3597191	Pin, Hinge	X	X	0.30
329	3597183	Actuator, Switch		X	0.25
330	3596518	Spring, Switch Actuator		X	0.05
331	3597202	Connector, Antenna	X	X	0.20
S301A	3597168	Switch, AM/FM		X	2.00
S301B	3597167	Switch, AM/FM		X	2.00
332	CHED-MAN-124	Service Manual 1976 Chrysler Automotive Radios			3.50

NOTE: List prices are net F.O.B. Huntsville, Alabama, and are subject to change without notice. Chrysler reserves the right to add Federal, State and local taxes. Current quotations will be provided by Chrysler Huntsville Electronics Division.