

APPLICATION	SERVICE NO.	PART NUMBER
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MODELS WITH CLOCK

16019580	20JAD4	CORPORATE W/O FADER
16019590	20JADK4	CORPORATE W FADER
16017360	20FAD1	PONTIAC F & CHEVROLET F W/O FADER
16017380	20FADK1	PONTIAC F & CHEVROLET F W FADER

MODELS WITHOUT CLOCK

16018430	20JAM4	CORPORATE W/O FADER
16019570	20JAMK4	CORPORATE W FADER
16017350	20FAM1	PONTIAC F & CHEVROLET F W/O FADER
16017370	20FAMK1	PONTIAC F & CHEVROLET F W FADER

ALIGNMENT 2000 SERIES - AM ONLY

TURN VOLUME CONTROL FULLY CW. CONNECT AC VOLTMETER ACROSS SPEAKER LEADS. KEEP INPUT SIGNAL FROM SIGNAL GENERATOR LOW TO MINIMIZE AGC ACTION.

AM ALIGNMENT PROCEDURE (RED)

USE FIGURE 2

STEP	GENERATOR FREQUENCY	GENERATOR COUPLING	TUNER SETTING	ADJUST FOR PEAK
1	MODULATED 262 KHZ	THRU - 1MFD. INTO ANTENNA SOCKET	HI-END STOP	1ST SECONDARY 2ND SECONDARY 1ST PRIMARY 2ND PRIMARY
2	MEASURE DEPTH OF OSC. CORE WITH RADIO TUNED TO HI-END STOP. SHOULD BE 1 3/8".			
3	MODULATED 1615 KHZ	THRU 82 PF INTO ANTENNA SOCKET	HI-END STOP	TRIMMER
4	MODULATED 600 KHZ	THRU 82 PF	600 KHZ	CORES



Illus. No.	Service No.	Description
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SEMICONDUCTORS

D1	DS-79	DIODE, SPLICE SUPPRESSION
Q1	DS-116	TRANSISTOR, 1ST RF
Q2	DS-66	TRANSISTOR, AGC
Q3	DS-66	TRANSISTOR, 2ND RF
U1	DM-164	MODULE, ICAM/NB
U2	DM-98	MODULE, ICBA
U3	DM-33	MODULE, ICVR

COILS AND TRANSFORMERS

L1	16012235	CHOKER, 14V INPUT
L2	7896143	CHOKER, ANTENNA
L3	16005269	COIL, ANTENNA MATCHING
L4	16011313	COIL AND HOUSING ASM.
T1	16010220	TRANSFORMER, 1ST IF
T2	9349372	TRANSFORMER, 2ND IF

CAPACITORS AND TRIMMERS

C1	9346601	TRIMMER, 1ST RF
C2	16016387	TRIMMER, 2ND RF
C3	7290254	TRIMMER, OSC
C4	16016883	22 MFD, 16V, ELECTROLYTIC
C5	16016875	3.3 MFD, 16V, ELECTROLYTIC
C6	16017225	33 MFD, 35V, ELECTROLYTIC
C7	16006055	10 MFD, 16V, ELECTROLYTIC
C8	16016891	1 MFD, 16V, ELECTROLYTIC
C9	16017225	33 MFD, 35V, ELECTROLYTIC
C10	16016875	3.3 MFD, 35V, ELECTROLYTIC
C11	16012266	1000 MFD, 16V, ELECTROLYTIC
C12	9349677	250 MFD, 16V, ELECTROLYTIC
C13	16016883	22 MFD, 16V, ELECTROLYTIC
C14	16006055	10 MFD, 16V, ELECTROLYTIC
C15	16022682	160PF, 100V CERAMIC N150
C16	7898960	200PF, 100V CERAMIC N750
C33	16017225	33 MFD, 35V, ELECTROLYTIC

CONTROLS AND RESISTORS

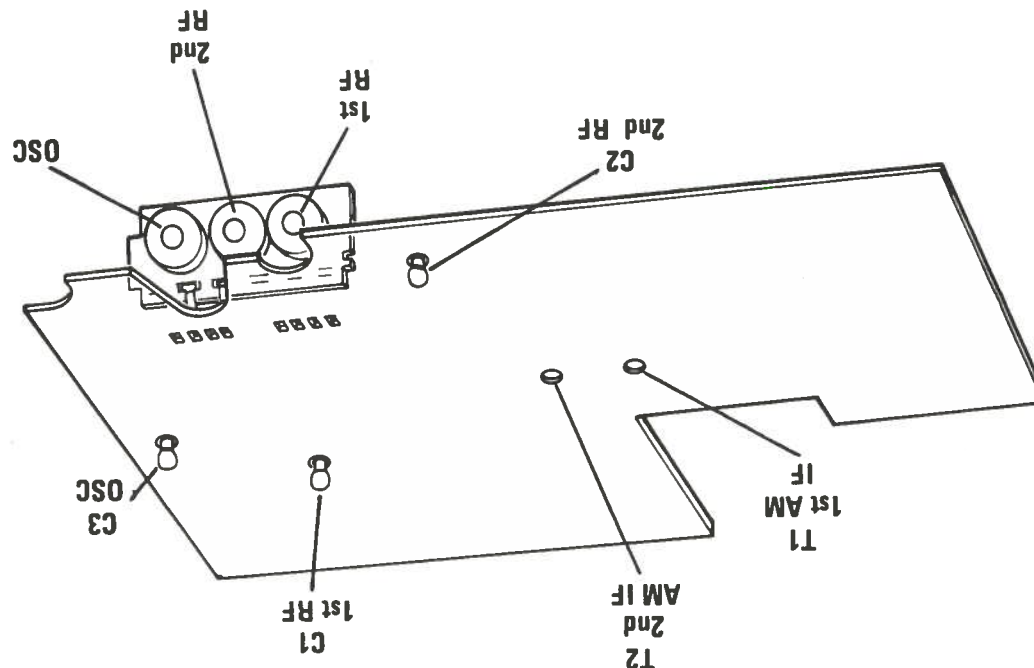
R1	16020675	CONTROL, VOL., TONE & SWITCH
R2	16020849	CONTROL, FADER

PART FIRST USED

●	20JAD4	20JAD4
■	20JADK4	20JADK4
◆	20FAM1	20FAM1
†	20FAMK1	20FAMK1

TUNER PARTS

Illus. No.	Service No.	Description
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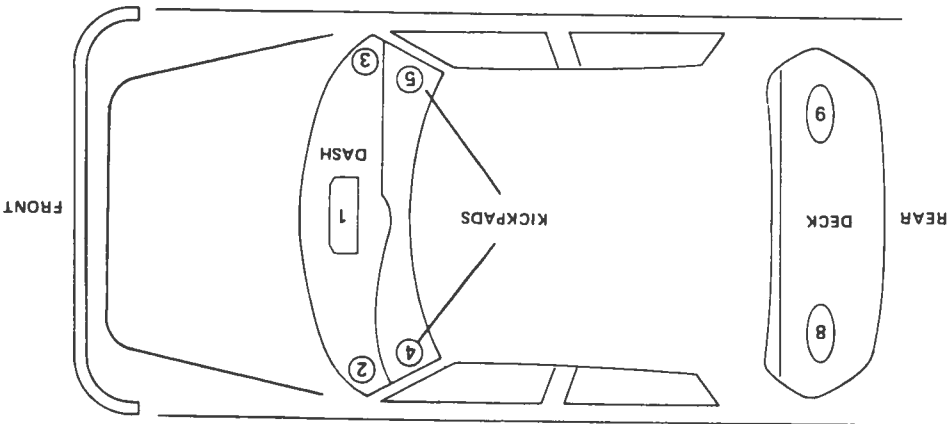
MISCELLANEOUS PARTS

1	16013037	DRIVESHAFT, MANUAL
2	1223052	E, RING PKG. (20/PKG.)
3	16020687	ESCUTCHEON
4	16020685	ESCUTCHEON
5	16020352	ESCUTCHEON
6	16020683	ESCUTCHEON
7	16020582	POINTER
8	16020694	PUSHBUTTON
9	16021862	PUSHBUTTON
10	7311994	SLIDE, PUSHBUTTON
11	16012229	SPRING, DRIVESHAFT RETAINER
12	16012230	SPRING, DRIVESHAFT RETAINER
13	16012216	SPRING, FINGER BAR
14	16004497	SPRING, POINTER
15	7312130	SPRING, PUSHBUTTON RETURN
16	16015702	SPRING, TREADLE BAR
17	1223699	SET SCREW & NUT PKG.
18	16013895	TREADLE BAR
19	16019514	DIAL LIGHT
20	16020090	SOCKET, DIAL LIGHT
21	16016255	HARNESSES, CLOCK & MEMORY
22	16020726	KNOB, VOL. & MANUAL TUNE
23	16019793	KNOB, FADER, TONE
24	16019794	KNOB, FADER, DUMMY
25	16020297	KNOB, VOL. & MAN. TUNE
26	16020283	KNOB, FADER, DUMMY
27	16020300	KNOB, FADER, TONE

COMPLETE SPEAKER LISTING

DELCO 1982 SERIES

SPEAKER LOCATION GUIDE
(TO BE USED WITH SPEAKER LIST)



SPEAKER CODES:
A - 6 x 9
C - 4 x 10
D - 4 x 6
E - 3 1/2 Round

CAR CODES:
HATCHBACK H
PASSENGER CARS C
STATION WAGONS W
TRUCKS T

CAR NAME	LOCATION & SPEAKER CODE	STANDARD SPEAKER	EXTENDED RANGE SPEAKER
CENTURY	2E & 3E 8A or 9A	16006240	16004150
LE SABRE & ELECTRA	2D & 3D 8A or 9A 8C or 9C	16006240 16004570 16009190	16004150
REGAL	2E & 3E 8C or 9C	16009923	16004300
RIVIERA	2D & 3D 8C or 9C	16006240	16004300
SKYLARK	D & 3D 8C or 9C	16006240	16004300
DEVILLE AND FLEETWOOD ..	2D & 3D 8A & 9A	16006240	16004150
EL DORADO	2D & 3D 8A & 9A	16006240	16004300
SEVILLE	2D & 3D 8A & 9A	16006240	16004150
CIMARRON	2E & 3E 8A & 9A	16014612	16004150
CELEBRITY	2D & 3D 8A or 9A 8C or 9C	16006240 16004570 16003571	16004150
MONTÉ CARLO	2E & 3E 8C or 9C	16006260	16004300
CHEVETTE	1C 8D or 9D	16006911	16004150
IMPALA & CAPRICE	2D & 3D 8A or 9A	16006240	16004150
CAMARO	1C 8A or 9A	16006240	16004150
CAVALIER	2E & 3E 8C & 9C 8A & 9A	16014612 16003571 16004570	16004300

COMPLETE SPEAKER LISTING

CAR NAME	LOCATION & SPEAKER CODE	CAR CODE	STANDARD SPEAKER	EXTENDED RANGE SPEAKER
CORVETTE	2D & 3D	C	16006240	16004150
CITATION	2E & 3E	CH	16006260	16004300
A-6000	2D & 3D	CW	16006240	16004150
	8A or 9A	C	16004570	
GRAND PRIX	1C	C	16006250	
	2E & 3E	C	16014612	
	8C or 9C	C	16003571	16004300
T-1000	1C	C	16006911	
	8A & 9A	C	16008150	
FIREBIRD	2D & 3D	C	16006240	
	8A or 9A	C	16018470	
J-2000	2E & 3E	CH	16004612	
	8A & 9A	C	16004570	
	8A & 9A	CW	16003571	
PHOENIX	2D & 3D	CH	16006240	
	8C & 9C	CH	16003571	
88 AND 98	2E & 3E	CW	16009923	16004150
	8A or 9A	C	16004570	
	8C or 9C	W	16009190	
CUTLASS SUPREME	2E & 3E	CW	16009923	16004300
	8C or 9C	CW	16003571	
TORONADO	2D & 3D	C	16006240	16004300
	8C or 9C	C	16003571	
OMEGA	2D & 3D	C	16006240	16004300
	8C or 9C	C	16003571	
CIERA	2E & 3E	C	16004612	16004150
	8A & 9A	C	16004570	
EL CAMINO	2E & 3E	T	16006260	16004150
	8A & 9A	T	16004750	
S10 & S15	2D & 3D	T	16015581	16004300
	8C & 9C	T	16003571	
CHEVY PICK-UP, BLAZER & SUBURBAN	1C	T	16007361	
	2D & 3D	T	16012331	
	8C & 9C	T	16001261	
"G" VAN	2D & 3D	T	16006240	16004150
	8A or 9A	T	16004570	
ALUMINUM TILT CAB	1C	T	16006911	
	2C & 3C	T	16006911	
	8C & 9C	T	16006911	
MEDIUM DUTY	1C	T	16001261	
	8C & 9C	T	16001261	

APPLICATION	1983 SERVICE REFERENCE NO.	PART NUMBER
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CORPORATE.....	30BCTS1.....	16009970
VAN	31GCTS1	16020151

APPLICATION	1983 SERVICE REFERENCE NO.	PART NUMBER
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CORPORATE.....	30BCMS1.....	16009960
VAN	31GCMS1	16020141

APPLICATION	SERVICE REF. NO.	PART NO.
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TAPE	30BCTS1.....	16009970
CORPORATE	31GCTS1	16020151

CASSETTE	30BCCS1.....	16008160
CORPORATE	31GCCS1	16020161

CB	30BCCM1.....	16006980
CORPORATE		

APPLICATION	1983 SERVICE REFERENCE NO.	PART NUMBER
CORPORATE	30BCCM1	16006980

APPLICATION	1983 SERVICE REFERENCE NO.	PART NUMBER
CORPORATE	30BCCS1	16008160
VAN	31GCCS1	16020161

STEP	ACTION	ADJUSTMENT
1	AC GROUND PIN 1 OF DM-44 WITH A 2 MFD CAPACITOR AND UNSOLDER PIN 12 OF DM-44	ADJUST VCO POT FOR 19KHZ. \pm 120 HZ AT PIN 11 OF DM-44. RESOLDER PIN 12 AND REMOVE 2 MFD CAPACITOR
	GENERATOR	TUNER SETTING
2	STEREO SIGNAL	TUNE RADIO TO SIGNAL
3	STEREO SIGNAL — MODULATION ON ONLY ONE CHANNEL	TUNE RADIO TO GENERATOR
		ADJUST SEPARATION POT FOR MINIMUM AUDIO ON UNMODULATED CHANNEL

USE FIGURE 1 DM-44 STEREO ALIGNMENT PROCEDURE, PHASE LOCK LOOP

STEP	GEN. FREQ. (MODULATED)	TUNER SETTING	ADJUSTMENT
1		HI-END STOP	ADJUST ICDA POT FOR 7.65 VOLTS AT ICDA PIN 9
2	108 MHZ	108	ADJUST FM OSC AND RF TRIMMERS FOR MAXIMUM AUDIO
3	88 MHZ	88	ADJUST FM OSC, RF, & ANT. COILS FOR MAXIMUM AUDIO
4	99 MHZ	TO GEN.	ADJUST MIXER AND PHASE TRANSFORMERS FOR MAX. AUDIO

USE FIGURE 1 FM ALIGNMENT PROCEDURE (BLUE)

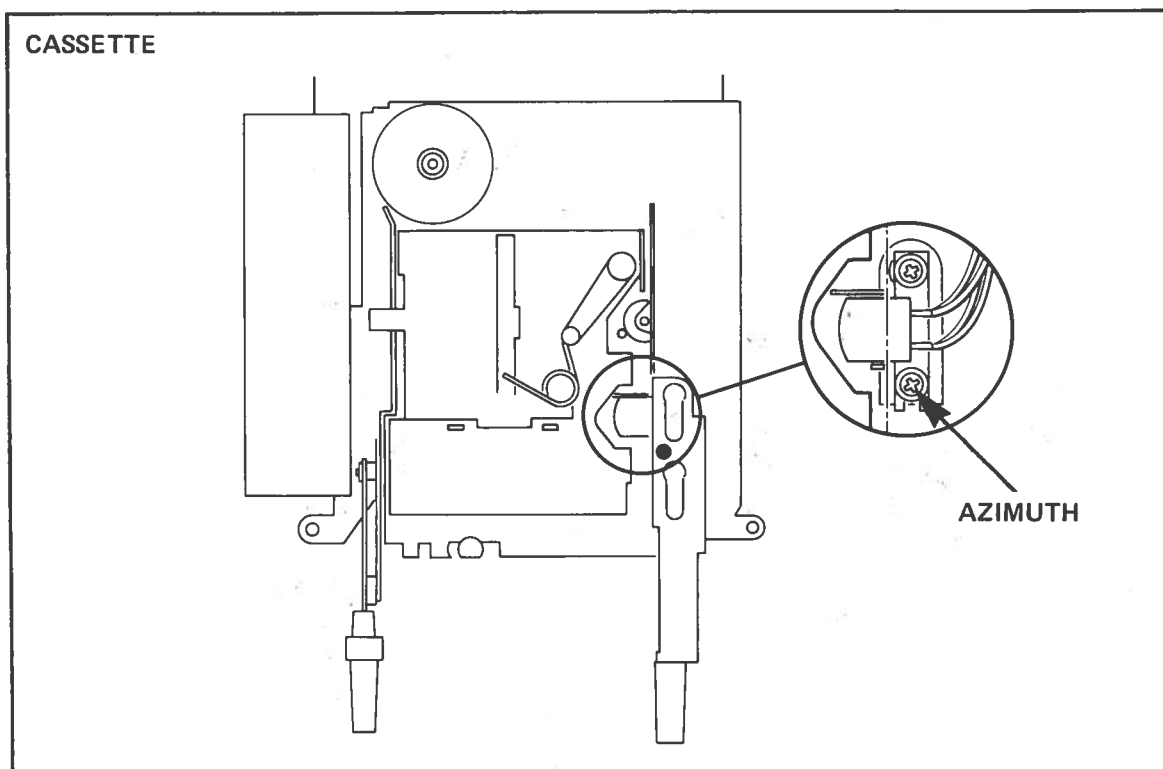
IMPORTANT: FIRST MAKE CERTAIN AM IS OPERATING PROPERLY: THE AM OSCILLATOR CONTROLS FM TUNING

STEP	GENERATOR FREQUENCY	GENERATOR COUPLING	TUNER SETTING	ADJUST FOR PEAK
1	MODULATED 262 KHZ	THRU . 1MFD. INTO ANTENNA SOCKET	HI-END STOP	1ST SECONDARY 2ND SECONDARY 1ST PRIMARY 2ND PRIMARY
2	MEASURE DEPTH OF OSC. CORE WITH RADIO TUNED TO HI-END STOP. SHOULD BE 1 3/8".			
3	MODULATED 1615 KHZ	THRU 82 PF INTO ANTENNA SOCKET	HI-END STOP	TRIMMER
4	MODULATED 600 KHZ	THRU 82 PF	600 KHZ	CORES

USE FIGURE 2 (For AM Only) Figure 1 (For Stereo Only) AM ALIGNMENT PROCEDURE (RED)

TURN VOLUME CONTROL FULLY CW. CONNECT AC VOLTMETER ACROSS SPEAKER LEADS. KEEP INPUT SIGNAL FROM SIGNAL GENERATOR LOW TO MINIMIZE AGC ACTION.

STEP	TEST TAPE SIDE	VOLUME OR FRONT-REAR	EQUIPMENT	ADJUSTMENT
AZIMUTH (HIGH FREQUENCY) ADJUSTMENT				
1	2	VOLUME - FULL & FRONT-REAR CON- TROL ON FRONT (CW)	AC VTVM ACROSS EITHER FRONT SPEAKER	PEAK AZIMUTH ADJUSTMENT SCREW FOR MAXIMUM 8KHz TONE
MOTOR SPEED CHECK				
2	1	—	—	TIME 1KHz BEEPS (58-60 SECOND INTERVALS). IF OUTSIDE LIMITS — REPLACE MOTOR.

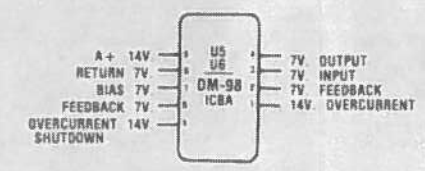
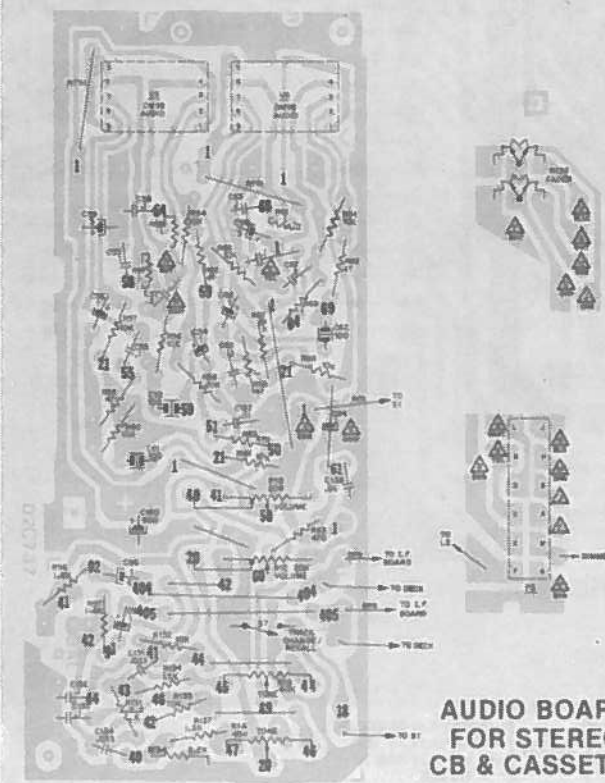
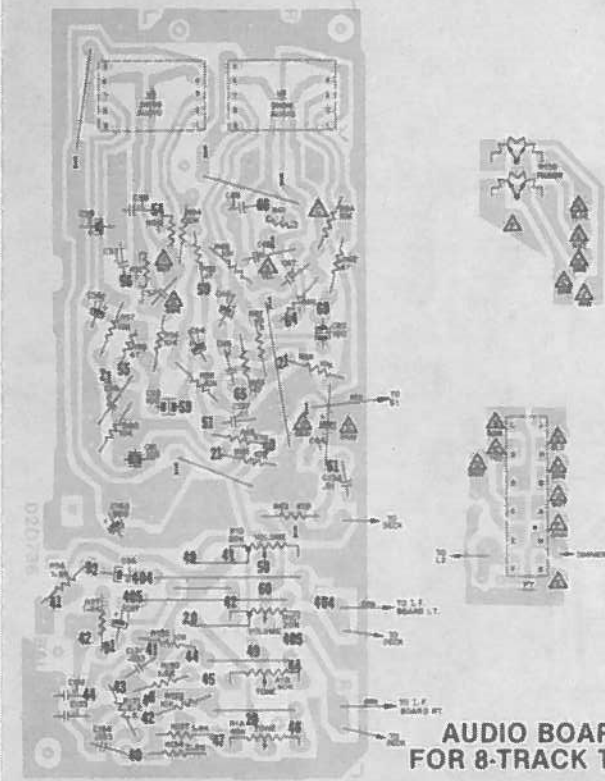


Test Tape J-23724 is available from:

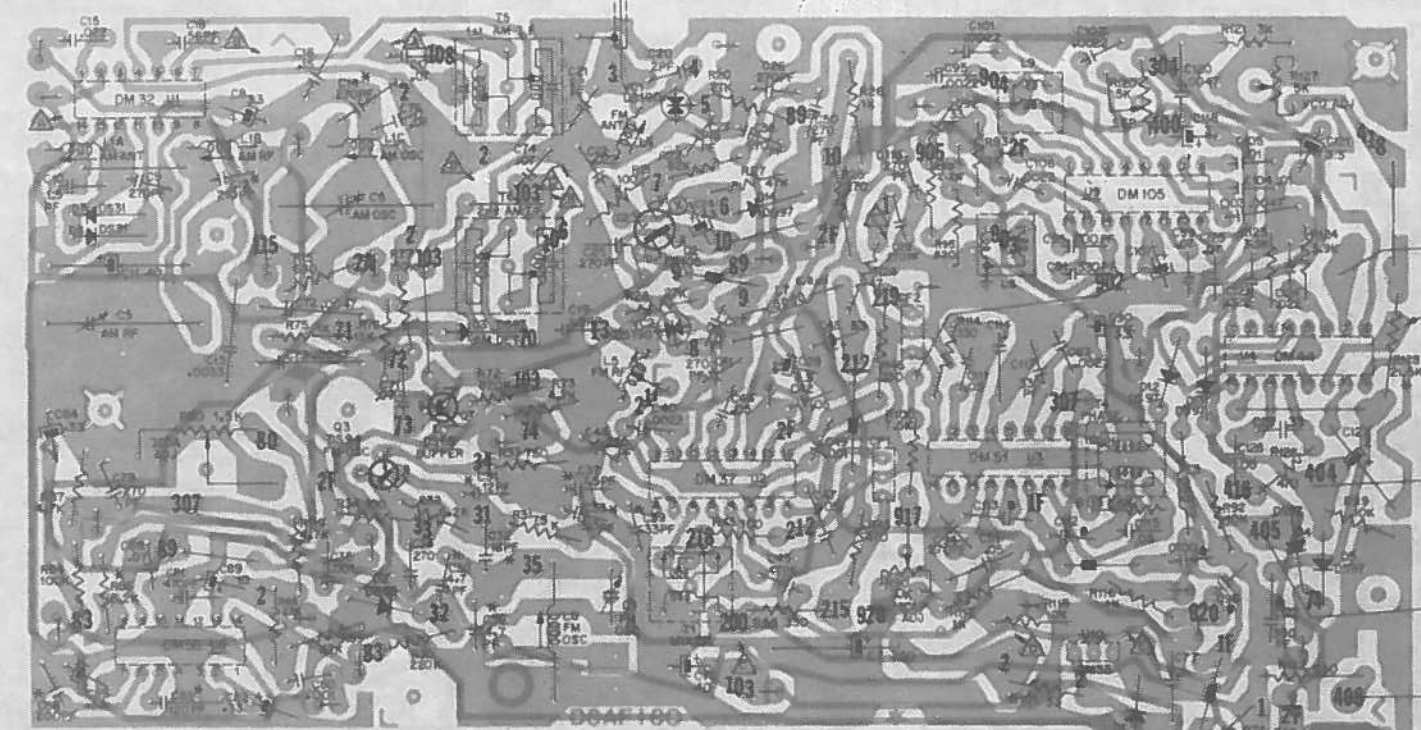
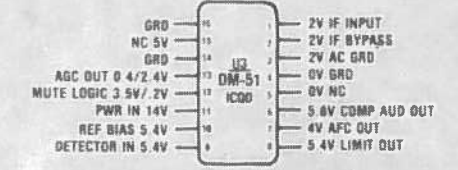
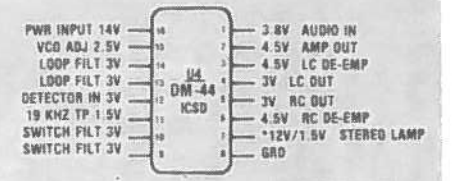
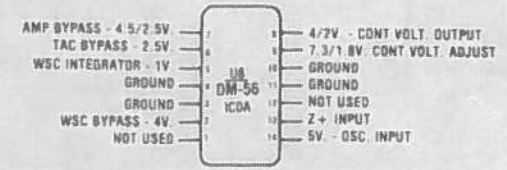
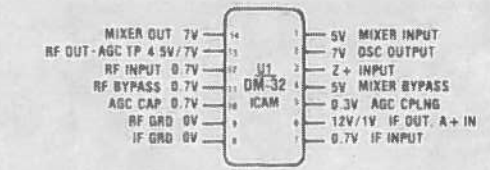
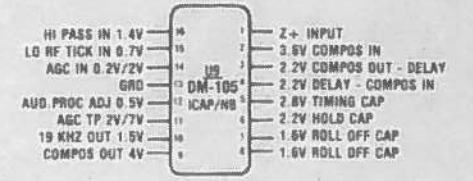
**Kent-Moore Corporation, Tool Division
29784 Little Mack, Roseville, Michigan 48066
Telephone: (313) 774-9500**

**Side 1: Beep at 60 second intervals
for motor speed check.**

**Side 2: 8 KHz tone for azimuth and
balance control adjustment.**



CAUTION
DO NOT TOUCH PART OR ASSEMBLIES UNLESS WEARING WRIST STRAP



Q2 DS-105 RF AMP

Pin	Voltages
G1	4.3V
G2	7.8V
S	4.3V
D	12.9V

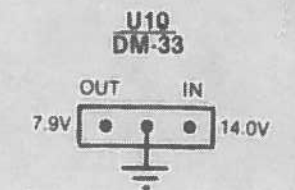
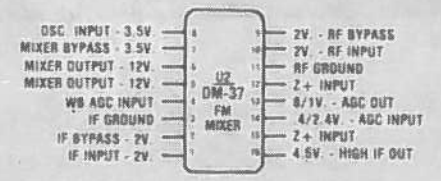
Q3 DS-94 FM OSC

Pin	Voltages
E	3.7V
B	3.9V
C	7.2V

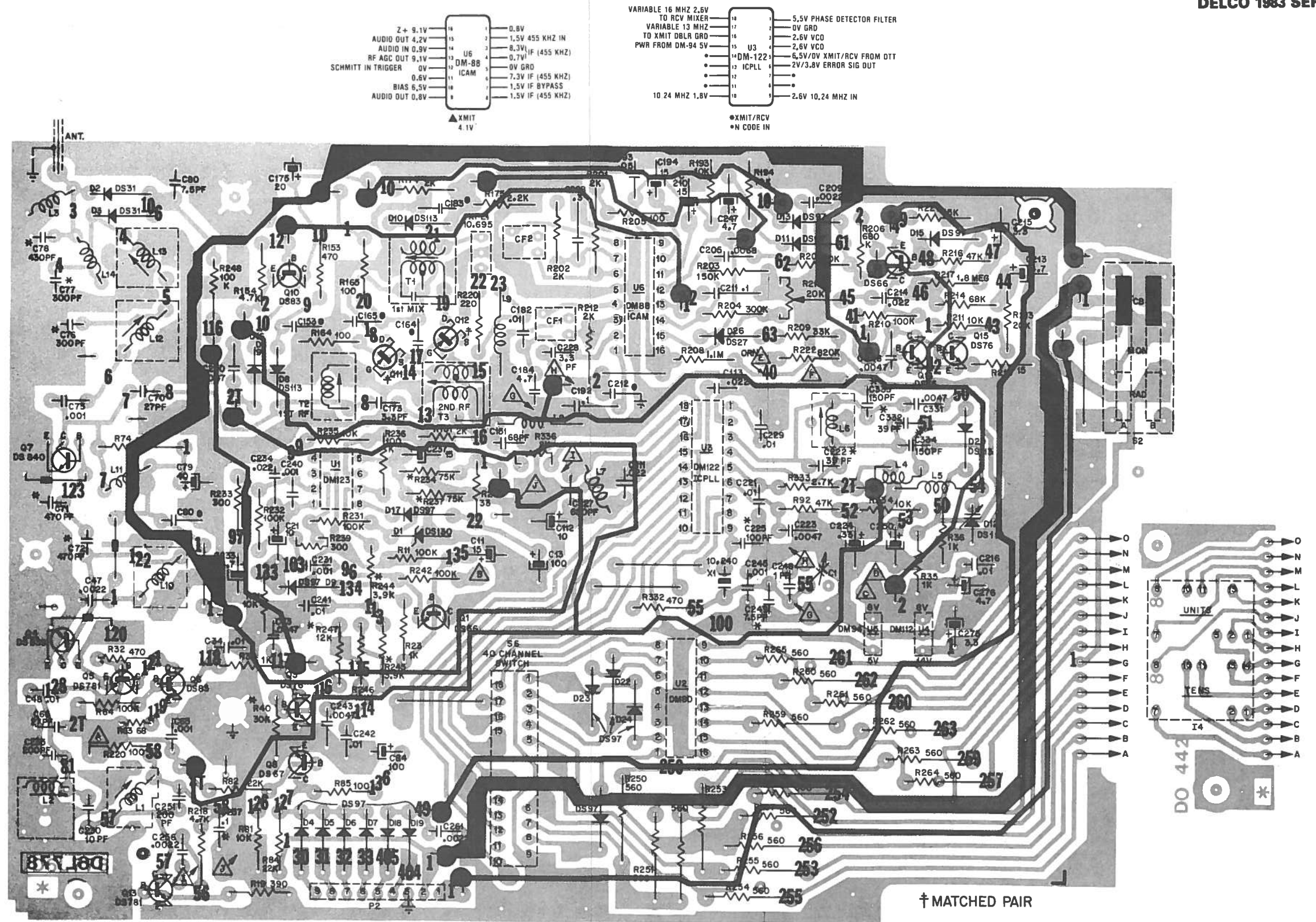
Q7 DS-68 BUFFER

Pin	Voltages
E	3.9V
B	4.4V
C	12.3V

MAIN BOARD (Copper View)

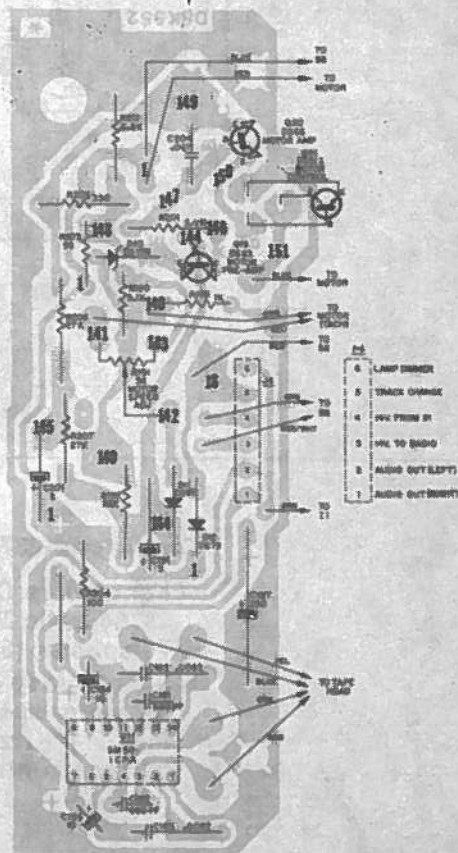
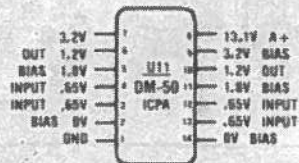


■ STRONG SIGNAL APPLIED



Ilus. No.	Service No.	Description	Ilus. No.	Service No.	Description
SEMICONDUCTORS			TAPE DECK (cont'd.)		
D10	DS-159	DIODE, ZENER	56	16002831	BEARING, CAPSTAN THRUST
D11	DS-97	DIODE, TACH RECTIFIER	58	9347899	CAM, TRACK CHANGE
D12	DS-79	DIODE, SPIKE SUPPRESSION	59	16002836	FLYWHEEL & CAPSTAN ASM.
Q19	DS-83	TRANSISTOR, MOTOR PRE-AMP	60	16006297	GUIDE ASM., TAPE
Q20	DS-66	TRANSISTOR, MOTOR AMP	61	9347891	GUIDE PLATE, CARTRIDGE (PLASTIC)
Q21	DS-513	TRANSISTOR, MOTOR CONTROL	62	16003728	HEAD & BRACKET ASM., INCL. AZIMUTH ADJ.
U11	DM-50	MODULE, ICPA, TAPE PRE-AMP	64		LAMP, DIAL, NO. 1893 (11)
CAPACITORS			65	16002826	MOTOR
C184	7895005	10 MFD., 10 VOLT TANTALUM	67	7896859	PINION, WHEEL DRIVE
C186	7895005	10 MFD., 10 VOLT TANTALUM	68	16001577	PLUNGER, TRACK CHANGE
C187	9345021	250 MFD., 16 VOLT ELECTROLYTIC	69	16001578	RATCHET ASM.
C191	7296348	3 MFD., 10 VOLT TANTALUM	71	7896858	RETAINER, PINION
C201	7296348	3 MFD., 10 VOLT TANTALUM	73	16010175	SOLENOID ASM., TRACK CHANGE
MISCELLANEOUS			75	9347892	SPRING, CAM
J4	7897281	CONNECTOR, 6/PIN (ON TAPE BOARD)	76	7896373	SPRING, CARTRIDGE LOCK ARM
P4	16001697	CONNECTOR & LEAD ASM. 6/PIN (RADIO TO TAPE DECK)	77	16001578	SPRING, PLUNGER
R191	16005034	5K MOTOR SPEED POT	79	16004797	STRIPPER, TAPE
TAPE DECK			80	16000668	SWITCH & PLATE PKG. (S8)
50	16001098	ACTUATOR, PB OPERATED	81	7899348	SWITCH, RADIO/TAPE
51	16001581	ACTUATOR, SWITCH	82	9347900	WHEEL, HEAD HEIGHT ADJ.
52	16000586	ARM, CARTRIDGE LOCK	83	1223171	INSULATOR PKG. (DS-513)
54	1224713	BELT, MOTOR DRIVE	84	16006290	PLATE, CARTRIDGE
55	1224233	BEARING ASM., CAPSTAN HOUSING			

SERVICE AIDS



VCO

STEP	CHANNEL		MODE	
1	1	FREQUENCY COUNTER TO PIN 3 OF DM-88	RECEIVER	ADJUST VCO TRIMMER (C1) FOR A READING OF 10.240 MHz.
2	1	VTVM - 5 VOLT SCALE TO ISLAND S2	RECEIVE	PEAK VCO COIL (L6) FOR A READING OF AT LEAST 1.5V ON CHANNEL 1, BUT NO MORE THAN 4.0V ON CHANNEL 40.

RECEIVER

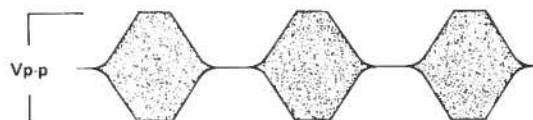
CONNECT AC VOLTMETER ACROSS SPEAKER TERMINALS

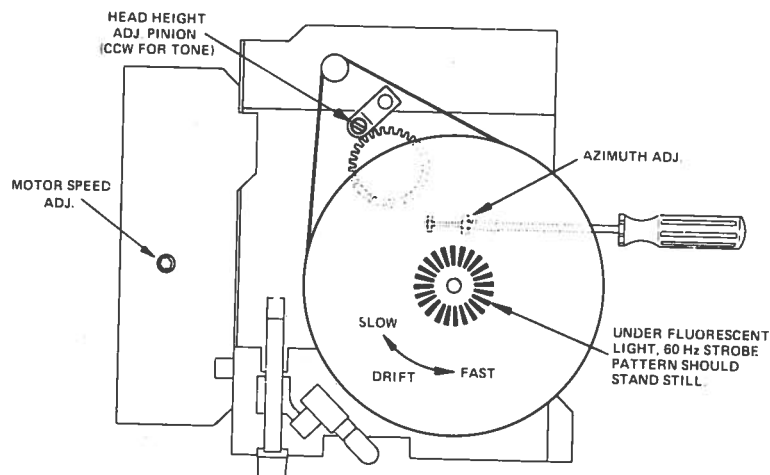
1	20	APPLY MODULATED 27.205 (CHAN. 20) TO THE ANTENNA OF THE CB, WITH 5 μ V INPUT OR LESS.	RECEIVE	ADJUST T1, T2 & T3 FOR MAXIMUM AUDIO OUTPUT.
2	20	APPLY MODULATED 27.205 (CHAN. 20) TO THE ANTENNA OF THE CB, WITH 5 μ V INPUT OR LESS.	RECEIVE	REPEAT STEP 1 UNTIL NO FURTHER GAIN IS NOTICED.

TRANSMITTER

CONNECT 50 Ω DUMMY LOAD TO OUTPUT OF CB

STEP	CHANNEL		MODE	
1	20	RF PROBE AT BASE OF Q5 DS-781 PRE-DRIVER	CB IN TRANS.	PEAK L1 & L2 FOR MAXIMUM RF (2 TO 2.5V RMS)
2	20	APPLY 1KHz MODULATION TO ISLAND 115 THROUGH A 10 MFD., CAP. MONITOR ISLAND 3 WITH SCOPE	CB IN TRANS.	INCREASE MODULATION UNTIL CLIPPING IS OBSERVED. PEAK L12 & L13 FOR MAXIMUM PEAK TO PEAK VOLTAGE

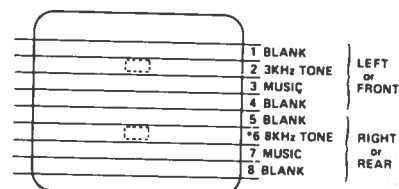




Test Tape J-22683-01 is available from:

**Kent-Moore Corporation, Tool Division
29784 Little Mack, Roseville, Michigan 48066
Telephone: (313) 774-9500**

**RCA Test Tape 321 is also recommended,
especially for head height.**



*TRACK 6 HAS 1KHz "BEEP" AT 60 SEC INTERVALS

HEAD HEIGHT (CROSSTALK)

USING J-22683: PROGRAM 1, FULL VOLUME—TURN PINION OR SCREW UNTIL TONE IS HEARD, THEN BACK IT OFF UNTIL TONE DISAPPEARS.
PROGRAM 4, FULL VOLUME—SHOULD BE QUIET

USING RCA 321: PROGRAM 2, MODERATE VOLUME—ADJUST FOR NULL
(OR EQUIVALENT)

AZIMUTH (HIGH FREQUENCY)

EITHER TAPE: PROGRAM 2, HIGH VOLUME—MONITOR 8KHz TONE, ADJUST FOR MAXIMUM, RE-CHECK HEAD HEIGHT.

MOTOR SPEED ADJUSTMENT

ANY GOOD TAPE: WITH A FLUORESCENT LIGHT POSITIONED ABOVE THE FLYWHEEL, ADJUST MOTOR SPEED UNTIL THE 60Hz STROBE PATTERN IS MOTIONLESS OR DRIFTING SLIGHTLY CCW (FAST).

ERATED
H
_LOCK
/E
PSTAN HOUSING

N THRUST
IGE
STAN ASM.

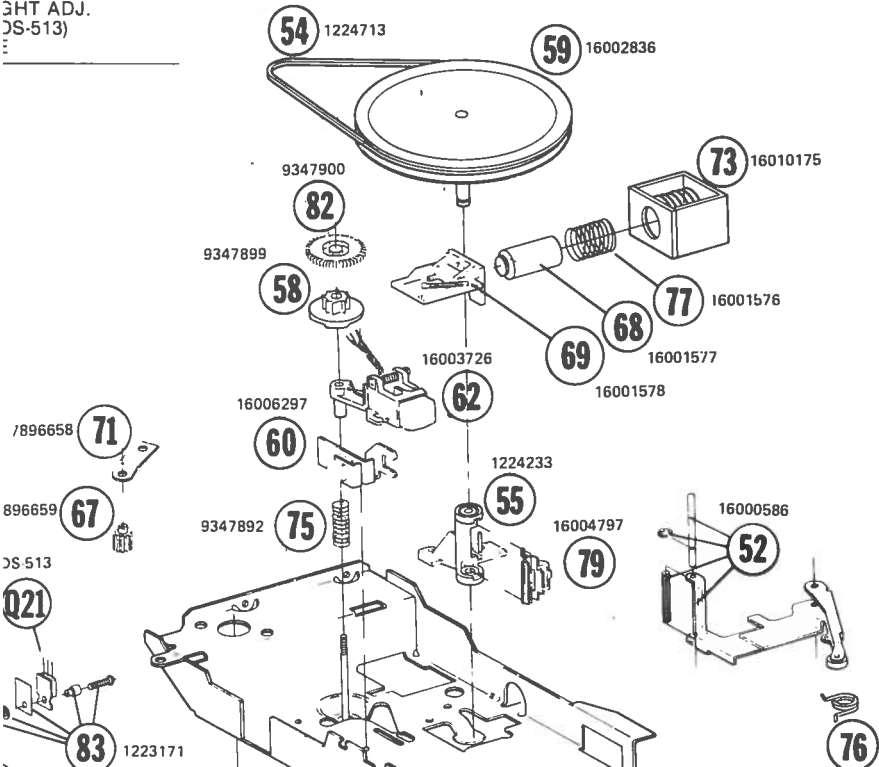
TRIDGE (PLASTIC)
ASM., INCL.

93 (11)
IVE
CHANGE

RACK CHANGE
SE LOCK ARM

'KG. (S8)
PE
ACK CHANGE (S6)

3HT ADJ.
DS-513)
:



Illus. No.	Service No.	Description	STEREO		8-TRACK		CASSETTE		Model No.	Illus. No.
			308CMS1	31GCMS1	308CTS1	31GCTS1	308CCS1	31GCCS1		
SEMICONDUCTORS										
D1	DS-79	DIODE, SPIKE SUPPRESSION	X	X	X	X	X	X		C36
D2	DS-55	DIODE, AFC	X	X	X	X	X	X		C39
D3	DS-97	DIODE, AM DET.	X	X	X	X	X	X		C43
D4	DS-97	DIODE, AUDIO GATE	X	X	X	X	X	X		C52
D5	DS-97	DIODE, AUDIO GATE	X	X	X	X	X	X		C54
D7	DS-31	DIODE, SPIKE SUPPRESSION	X	X	X	X	X	X		C56
D8	DS-31	DIODE, SPIKE SUPPRESSION	X	X	X	X	X	X		C59
D9	DS-97	DIODE, SWITCHING	X	X	X	X	X	X		C61
D10	DS-97	DIODE, SWITCHING	X	X	X	X	X	X		C62
D14	DS-97	DIODE, FM AGC	X	X	X	X	X	X		C64
Q2	DS-105	TRANSISTOR, FM RF AMP, MOSFET	X	X	X	X	X	X		C66
Q3	DS-94	TRANSISTOR, FM OSCILLATOR	X	X	X	X	X	X		C69
Q7	DS-66	TRANSISTOR, AM BUFFER AMP	X	X	X	X	X	X		C75
VC1	DS-190	DIODE, FM ANTENNA VARICAP	X	X	X	X	X	X		C82
VC2	DS-190	DIODE, FM RF VARICAP	X	X	X	X	X	X		C83
I-1	DS-450	INDICATOR, TAPE	X	X	X	X	X	X		C84
I-2	DS-410	INDICATOR, STEREO—LED	X	X	X	X	X	X		C85
U1	DM-32	MODULE, ICAM	X	X	X	X	X	X		C86
U2	DM-37	MODULE, ICBM, BALANCED MIXER	X	X	X	X	X	X		C89
U3	DM-51	MODULE, ICQD, QUAD. DET.	X	X	X	X	X	X		C90
U4	DM-44	MODULE, ICSD, STEREO DECODER	X	X	X	X	X	X		C91
U5	DM-98	MODULE, ICBA, BRIDGE AUDIO	X	X	X	X	X	X		C92
U6	DM-98	MODULE, ICBA, BRIDGE AUDIO	X	X	X	X	X	X		C96
U8	DM-56	MODULE, ICDA, DIGITAL/ANALOG	X	X	X	X	X	X		C97
U9	DM-105	MODULE, ICNB/AP, NOISE BLANKER/AUDIO PROCESSOR	X	X	X	X	X	X		C98
U10	DM-33	MODULE, ICVR, VOLTAGE REG.	X	X	X	X	X	X		C100
COILS & TRANSFORMERS										
CF-1	1223695	FM I.F., CERAMIC (2/PKG.)	X	X	X	X	X	X		C107
CF-2	1223695	FM I.F., CERAMIC (2/PKG.)	X	X	X	X	X	X		C112
L1	16002369	COIL, AM ANTENNA, RF OSC.	X	X	X	X	X	X		C113
L2	16009760	CHOKE, A + LINE FILTER	X	X	X	X	X	X		C118
L3	7934553	CHOKE, RF	X	X	X	X	X	X		C121
L4	9348413	COIL, FM ANTENNA	X	X	X	X	X	X		C122
L5	9348414	COIL, FM RF	X	X	X	X	X	X		C126
L6	7897878	COIL, FM OSCILLATOR	X	X	X	X	X	X		C127
L7	7934553	CHOKE, FM RF	X	X	X	X	X	X		C128
L8	7898999	CHOKE, DUAL	X	X	X	X	X	X		C160
L9	7898999	CHOKE, DUAL	X	X	X	X	X	X		C200
L10	7255738	CHOKE, ANTENNA	X	X	X	X	X	X		R1
T1	9346544	TRANSFORMER, MIXER	X	X	X	X	X	X		R80
T4	9346543	COIL, PHASE	X	X	X	X	X	X		R86
T5	7898449	AM 1ST I.F.	X	X	X	X	X	X		R90
T6	9349372	AM 2ND I.F.	X	X	X	X	X	X		R120
CAPACITORS & TRIMMERS										
C3	9348419	TRIMMER, FM OSCILLATOR	X	X	X	X	X	X		R127
C4	16001446	TRIMMER, AM ANTENNA	X	X	X	X	X	X		R128
C5	7936524	TRIMMER, AM RF	X	X	X	X	X	X		R130
C6	7311368	TRIMMER, AM OSCILLATOR	X	X	X	X	X	X		1
C7	7896158	250 MFD., 35V, ELECTROLYTIC	X	X	X	X	X	X		1
C8	16006053	3.3 MFD., 10V, ELECTROLYTIC	X	X	X	X	X	X		3
C11	7298555	40 MFD., 6V, TANTALUM	X	X	X	X	X	X		4
C12	9340498	210 PF, 100V, CERAMIC, N750	X	X	X	X	X	X		3
C14	7896854	270 PF, N220, DISC CERAMIC	X	X	X	X	X	X		5
C24	16006053	3.3 MFD, 35V, TANTALUM	X	X	X	X	X	X		5
C28	16006053	3.3 MFD, 10V, TANTALUM	X	X	X	X	X	X		6
C30	9341540	4.7 PF, 100V, N330, TUBE CERAMIC	X	X	X	X	X	X		7
C31	7897766	12 PF, 100V, N330 TUBULAR CERAMIC	X	X	X	X	X	X		8
C32	7897740	18 PF, 100V, NPO TUBULAR CERAMIC	X	X	X	X	X	X		8
C33	9341429	3.3 PF, 100V, N330 TUBULAR CERAMIC	X	X	X	X	X	X		8

Illus. No.	Service No.	Description	MODEL NO.					
			30BCMS1	31GCMS1	30BCTS1	31GCTS1	30BCCS1	31GCCS1

CAPACITORS (cont'd.)

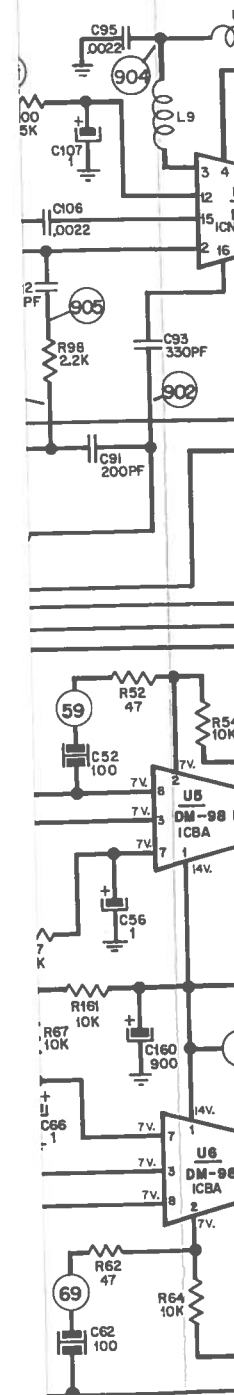
C36	7897765	4.7 PF, 100V, N150, TUBULAR CERAMIC	X	X	X	X	X	X
C39	7286878	33PF, 100V, NPO	X	X	X	X	X	X
C43	16006053	3.3 MFD, 35V, ELECTROLYTIC	X	X	X	X	X	X
C52	9349947	100 MFD, NON-POLAR	X	X	X	X	X	X
C54	7936365	1 MFD, 10V, TANTALUM	X	X	X	X	X	X
C56	7936365	1 MFD, 10V, TANTALUM	X	X	X	X	X	X
C59	7936359	3 MFD, 35V, TANTALUM	X	X	X	X	X	X
C61	9349947	100 MFD, 16V, NON-POLAR	X	X	X	X	X	X
C62	9349947	100 MFD, 16V, NON-POLAR	X	X	X	X	X	X
C64	7930782	1 MFD, 10V, TANTALUM	X	X	X	X	X	X
C66	7936365	1 MFD, 10V, TANTALUM	X	X	X	X	X	X
C69	7936359	3 MFD, 35V, TANTALUM	X	X	X	X	X	X
C75	9340269	40 MFD, 16V, NON-POLAR	X	X	X	X	X	X
C82	7936748	33 MFD, 35V, TANTALUM	X	X	X	X	X	X
C83	7898320	120PF, 100V, N080	X	X	X	X	X	X
C84	7936748	33 MFD, 35V, TANTALUM	X	X	X	X	X	X
C85	7936748	33 MFD, 35V, TANTALUM	X	X	X	X	X	X
C86	7296137	200 PF, 100V, N750	X	X	X	X	X	X
C89	16015543	10 MFD, 16V, ELECTROLYTIC	X	X	X	X	X	X
C90	16006053	3.3 MFD, 35V, ELECTROLYTIC	X	X	X	X	X	X
C91	7898162	200PF, 100V, N750	X	X	X	X	X	X
C92	7286878	33 PF, 100V, NPO	X	X	X	X	X	X
C96	7936365	1 MFD, 10V, TANTALUM	X	X	X	X	X	X
C97	7936365	1 MFD, 10V, TANTALUM	X	X	X	X	X	X
C98	7897655	FM BY-PASS	X	X	X	X	X	X
C100	7895980	FM BY-PASS	X	X	X	X	X	X
C107	7936365	1 MFD, 10V, TANTALUM	X	X	X	X	X	X
C112	7897655	FM BY-PASS	X	X	X	X	X	X
C113	7896282	FM BY-PASS	X	X	X	X	X	X
C118	7936363	3 MFD, 10V, TANTALUM	X	X	X	X	X	X
C121	16006053	3.3 MFD, 35V, ELECTROLYTIC	X	X	X	X	X	X
C122	7313127	2 MFD, 10V, TANTALUM	X	X	X	X	X	X
C126	7936365	1 MFD, 10V, TANTALUM	X	X	X	X	X	X
C127	9341036	390 PF, 100V, 2% N220	X	X	X	X	X	X
C128	16015541	33 MFD, 35V, TANTALUM	X	X	X	X	X	X
C160	7898283	900 MFD, 16V, ELECTROLYTIC	X	X	X	X	X	X
C200	9341267	1000 MFD, 10V, ELECTROLYTIC	X	X	X	X	X	X

CONTROLS & RESISTORS

R1	16011486	CONTROL; VOLUME, TONE & SWITCH	X	X	X	X	X	X
R1	16011488	CONTROL; VOLUME, TONE & SWITCH	X	X	X	X	X	X
R80	7899466	CONTROL; ICDA CAL 1.5K	X	X	X	X	X	X
R86	7898323	RESISTOR, 6.2K, 2%	X	X	X	X	X	X
R90	9349022	CONTROL; PROCESSOR ADJ., 20K	X	X	X	X	X	X
R120	9349445	CONTROL; SEPARATION, 5K	X	X	X	X	X	X
R127	9349445	CONTROL, VCO ADJ., 5K	X	X	X	X	X	X
R128	9341039	RESISTOR, 21.5K	X	X	X	X	X	X
R130	7899383	CONTROL, FADER	X	X	X	X	X	X

TUNER

1	16006230	ARM, POINTER	X	X	X	X	X
1	16008061	ARM, POINTER	X	X	X	X	X
1	16006232	ARM, POINTER	X	X	X	X	X
3	16006019	BACKPLATE, POINTER	X	X	X	X	X
3	9349479	BACKPLATE, POINTER	X	X	X	X	X
4	7896692	BEARING, DRIVE SHAFT	X	X	X	X	X
5	16004405	BELL CRANK	X	X	X	X	X
5	16008059	BELL CRANK	X	X	X	X	X
6	16002369	BOARD COILS & HOUSING AM (L1)	X	X	X	X	X
7	9349357	BRACKET, LED SOCKET MTNG.	X	X	X	X	X
8	16004401	BRACKET, POINTER ARM GUIDE	X	X	X	X	X
8	16006947	BRACKET, POINTER ARM GUIDE	X	X	X	X	X



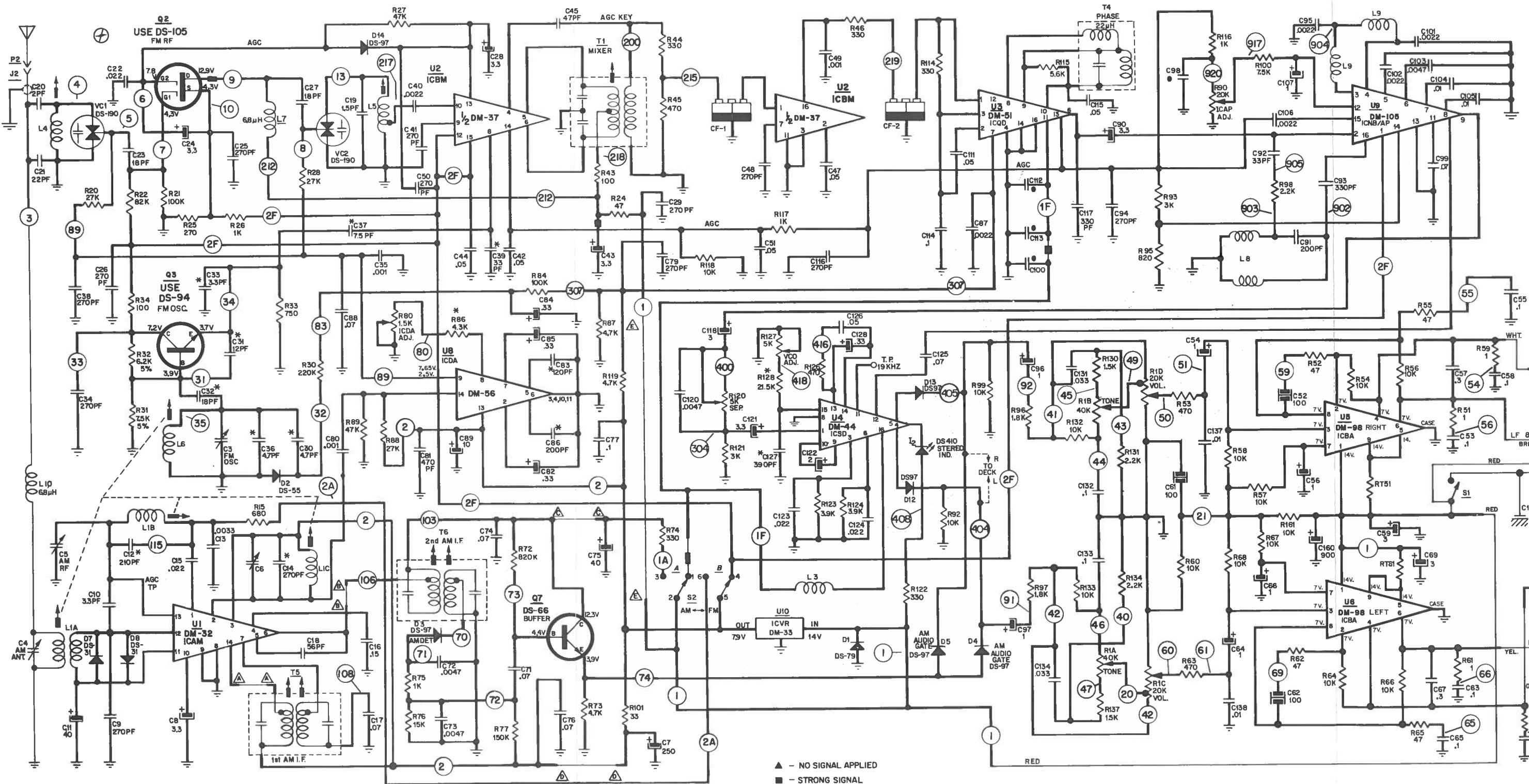
UNLESS OTHERWISE NOTED:

ALL CAPACITORS ARE SHOWN IN MFD
AND ARE 75 VOLT OR HIGHER EXCEPT
ELECTROLYTICS AND THOSE NOTED BY
AN *

VOLTAGES MEASURED WITH A
VTVM NO SIGNAL AND 14 VOLTS
APPLIED TO RADIO.

NOTICE

GROUND PROBE BEFORE MAKING
MEASUREMENTS ON IC. ALSO, DO
NOT SHORT IC PINS TOGETHER OR
TO GROUND OR IC MAY BE
DESTROYED.



DELCO 1983 SERIES

WISE NOTED:
RS ARE SHOWN IN MFD
OLT OR HIGHER EXCEPT
S AND THOSE NOTED BY

VOLTAGES MEASURED WITH A
VTVM NO SIGNAL AND 14 VOLTS
APPLIED TO RADIO.

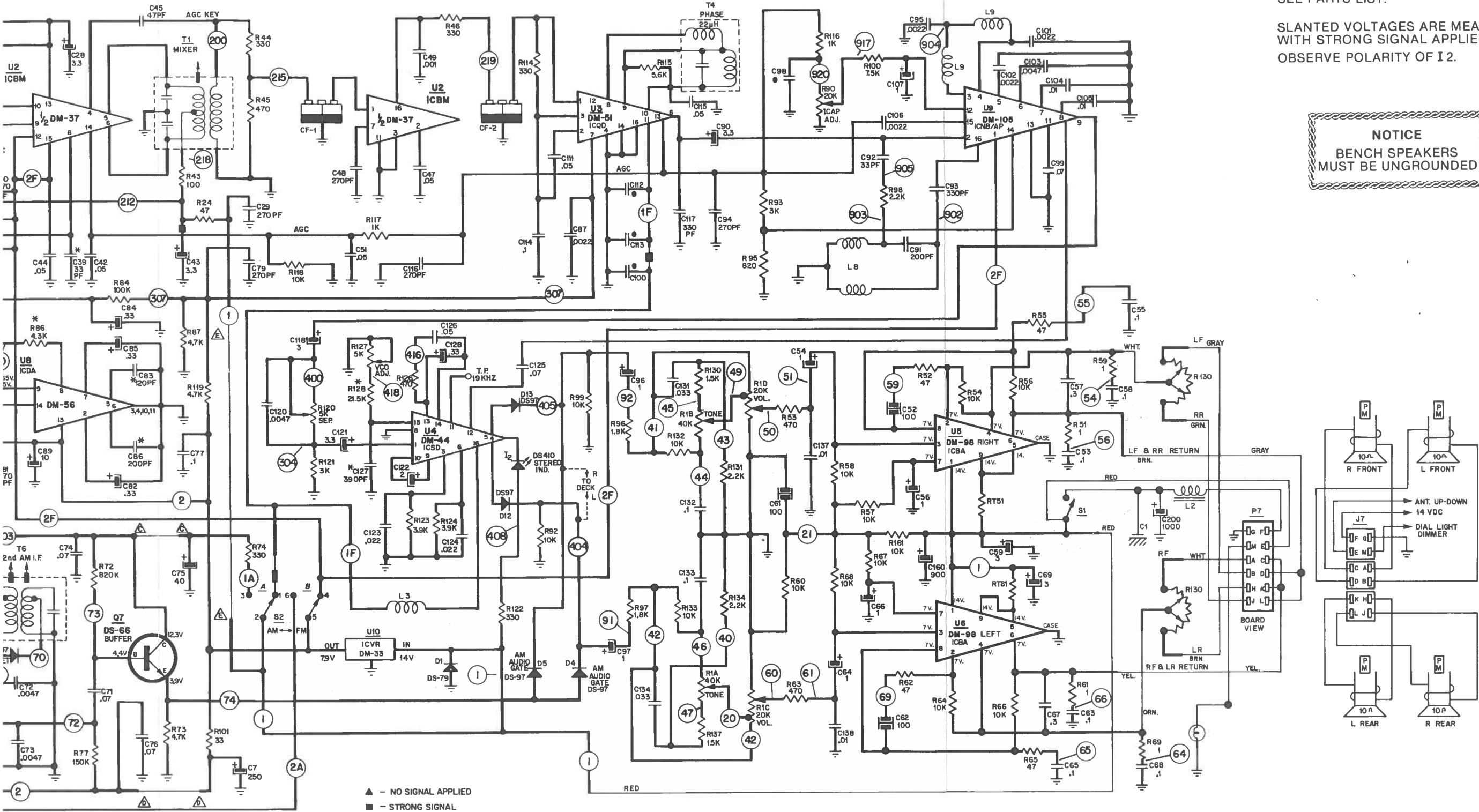
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2700 · AM/FM STEREO

- * INDICATES SPECIAL CAPACITOR OR
RESISTOR, SEE PARTS LIST.
- DENOTES SPECIAL BY-PASS,
SEE PARTS LIST.

SLANTED VOLTAGES ARE MEASURED
WITH STRONG SIGNAL APPLIED.
OBSERVE POLARITY OF I 2.

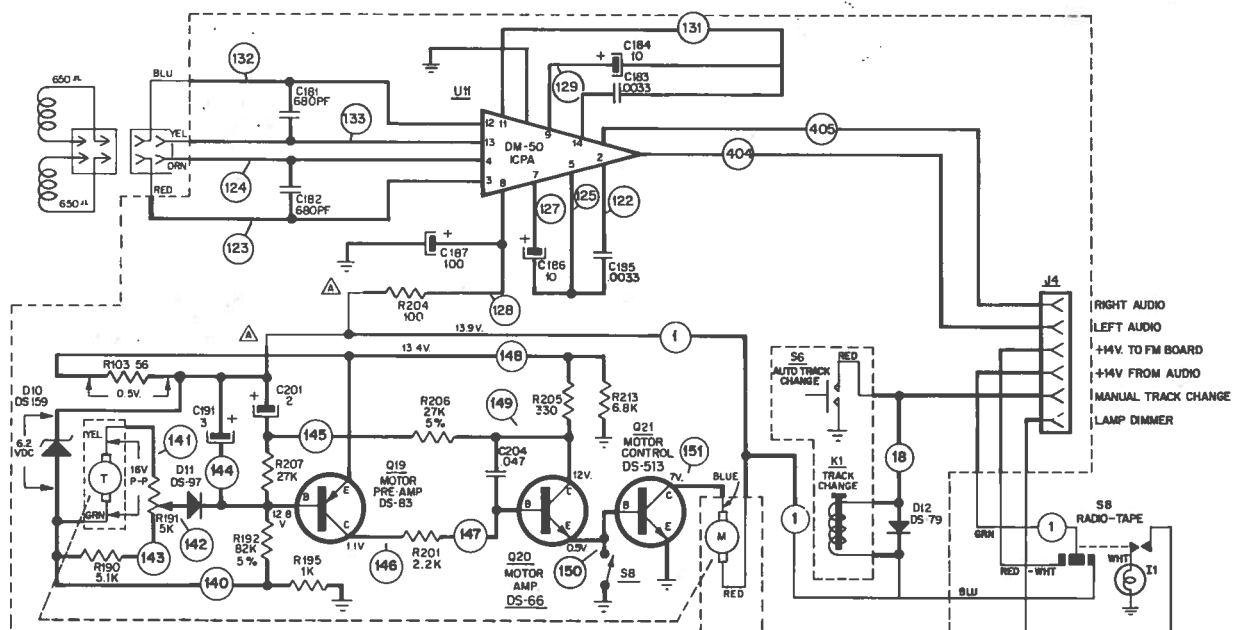
NOTICE
BENCH SPEAKERS
MUST BE UNGROUNDED



▲ - NO SIGNAL APPLIED
■ - STRONG SIGNAL

CASSETTE TAPE

<u>APPLICATION</u>	<u>1983 SERVICE REFERENCE NO.</u>	<u>PART NUMBER</u>
CORPORATE.....	30BCCS1	16008160
VAN	31GCCS1	16020161



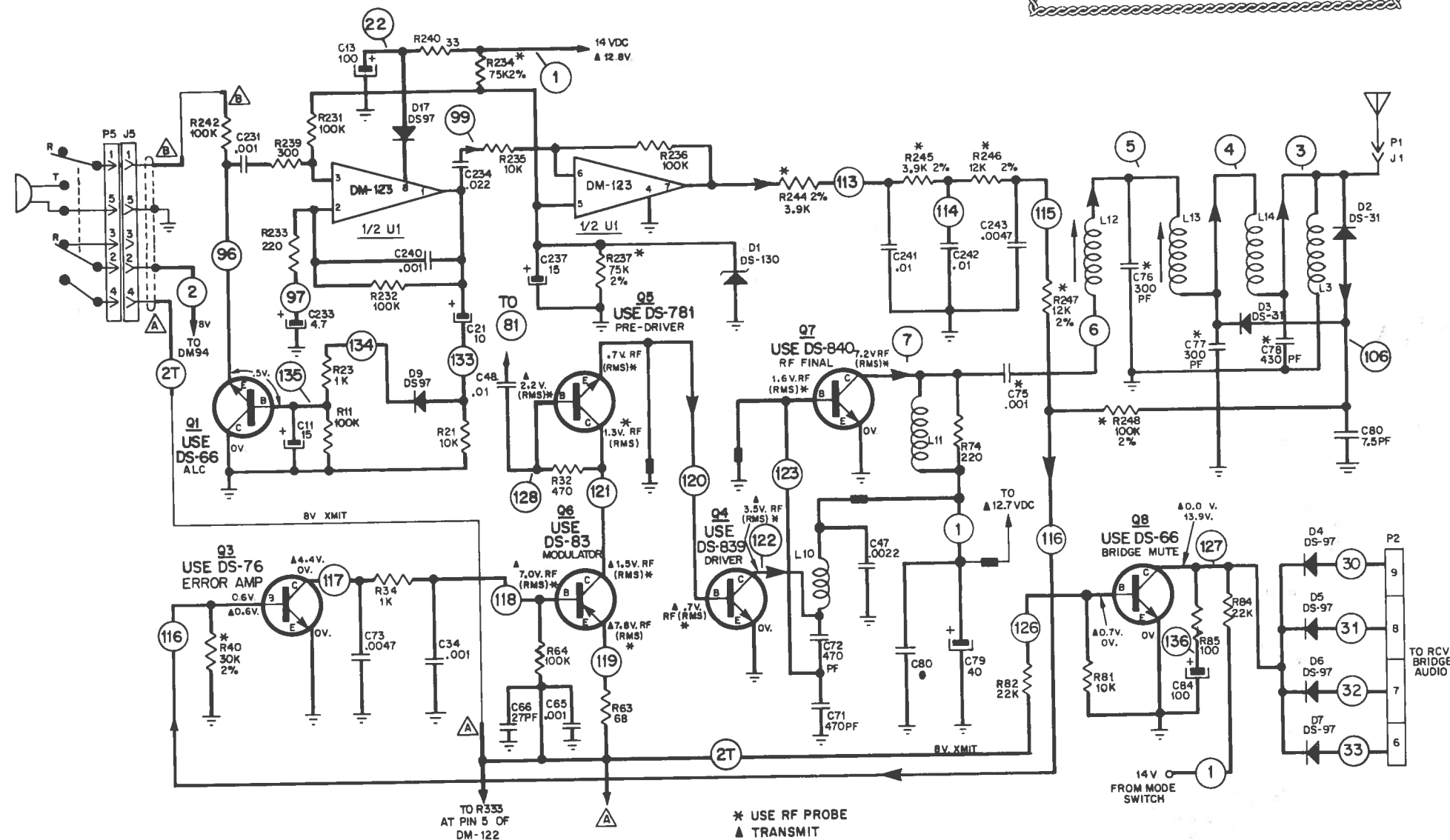
Illus. No.	Service No.	Description
CASSETTE DECK		
1	1224550	ARM, EJECT LOCK
2	1224551	ARM, IDLER
3	1224552	ARM, IDLER FF/REW
4	1224553	BEARING, CAPSTAN
5	1224554	BELT
7	1224556	BRACKET, REEL MOUNTING
8	1224557	BRACKET, EJECT
10	1224559	BRAKE, PKG.
* 11	1224560	BUSHING PKG.
12	1224561	CHASSIS ASM.
13	1224562	CIRCUIT BRD. ASM., AUTO STOP
■ 14	1224563	E-RING & WASHER PKG.
15	1224564	GUIDE, CASSETTE
16	1224695	HEAD ASSEMBLY
17	1224566	LEVER, DOOR
18	1224567	LEVER, EJECT
19	1225129	LEVER, EJECT ASM.
20	1224569	LEVER, FF
21	1225119	LEVER PKG., FF/REW
22	1224571	LEVER, IDLER
23	1224572	LEVER, REW
24	1224573	LINK, EJECT
25	1224574	MOTOR
26	1224575	PLATE, CASSETTE GUIDE
27	1224576	PLATE ASM., CASSETTE SUPPORT
28	1224577	PLATE ASM., HEAD MOUNTING
29	1224578	PULLY, IDLER
30	1224579	REEL, FEED
31	1224580	REEL PKG., TAKE UP
● 32	1224581	SCREW PKG.
33	1224582	SLIDE, ARM FF/REW
▲ 34	1224583	SPRING PKG.
35	1224584	SWITCH, AUTO STOP
37	1224586	SWITCH, RADIO/TAPE
38	1224587	SWITCH, REED & BOARD ASM.
39	1224588	WHEEL, IDLER FF/REW
40	1224589	WHEEL, IDLER FF/REW
41	1224590	WHEEL, IDLER PLAY
42	1224653	PINCH, ROLLER ASM.
43	1224654	FLYWHEEL
44	16006945	BUTTON, FF/REW-CHROME
45	16006944	BUTTON, EJECT-CHROME
46	1224696	CABLE, HEAD
P9	16010145	CONNECTOR & LEAD ASM., 2-WIRE, TAPE INDICATOR
P8	16001132	CONNECTOR, 10-PIN
P4	16001133	CONNECTOR, 4-PIN
CASSETTE ELECTRICAL		
U11	DM-154	IC PRE-AMP
D1	DS-97	AUDIO MUTE
D2	DS-97	AUDIO MUTE
C3	16006055	10 MFD., 6V, TANTALUM
C4	16006055	10 MFD., 6V, TANTALUM
C9	16015544	100 MFD. 16V, LYTIC
J4	16009584	CONNECTOR & LEAD ASM., 6-PIN (RADIO TO TAPE DECK)
P4	16012614	CONNECTOR, 6-PIN
XL3	16008068	SOCKET & LEAD ASM., TAPE IND.
I1	DS-450	LED, TAPE, GREEN

VOLTAGES MEASURED WITH A VTVM NO SIGNAL AND 14 VOLTS APPLIED TO RADIO.

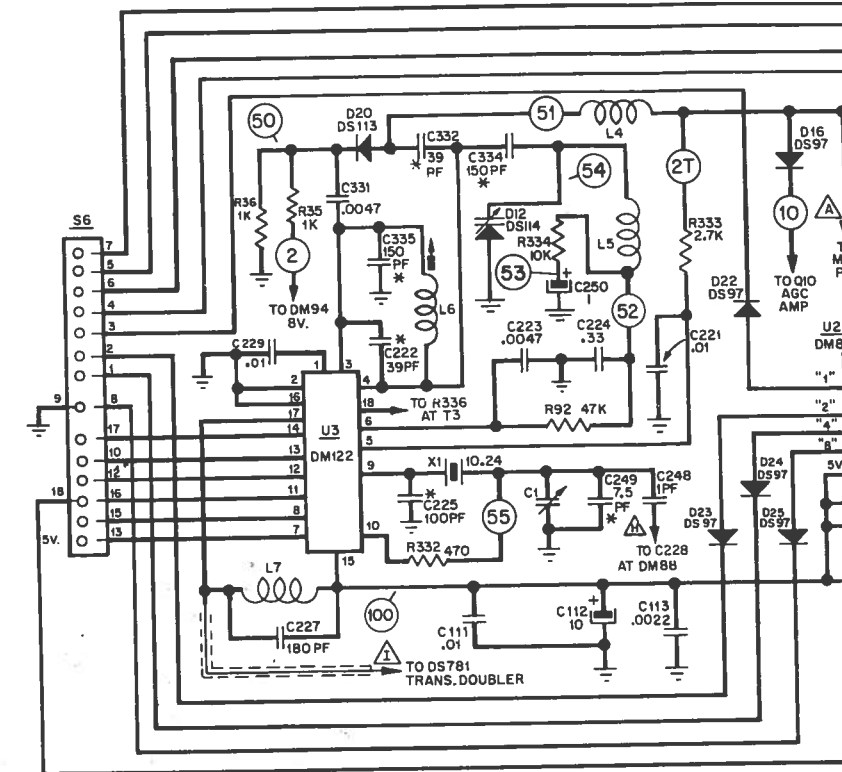
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NOTICE
GROUND PROBE BEFORE MAKING MEASUREMENTS ON IC. ALSO, DO NOT SHORT IC PINS TOGETHER OR TO GROUND OR IC MAY BE DESTROYED.

*INDICATES SPECIAL CAPACITOR OR RESISTOR, SEE PARTS LIST.



TRANSMITTER SCHEMATIC



DM-122 PIN VOLTAGES

CHAN. NO.	PIN 6 VOLTS	7	8	11	12	13	14	CHAN. NO.	PIN 6 VOLTS
1	2.14	LO	LO	LO	LO	LO	LO	21	3.23
2	2.20	LO	LO	LO	LO	LO	LO	22	3.28
3	2.26	LO	LO	LO	LO	LO	LO	23	3.43
4	2.33	LO	LO	LO	LO	LO	LO	24	3.33
5	2.38	LO	LO	LO	LO	LO	LO	25	3.38
6	2.42	LO	LO	LO	LO	LO	LO	26	3.48
7	2.46	LO	LO	LO	LO	LO	LO	27	3.53
8	2.54	LO	LO	LO	LO	LO	LO	28	3.58
9	2.59	LO	LO	LO	LO	LO	LO	29	3.63
10	2.63	LO	LO	LO	LO	LO	LO	30	3.69
11	2.67	LO	LO	LO	LO	LO	LO	31	3.74
12	2.75	LO	LO	LO	LO	LO	LO	32	3.79
13	2.79	LO	LO	LO	LO	LO	LO	33	3.85
14	2.83	LO	LO	LO	LO	LO	LO	34	3.90
15	2.87	LO	LO	LO	LO	LO	LO	35	3.96
16	2.96	LO	LO	LO	LO	LO	LO	36	4.02
17	3.00	LO	LO	LO	LO	LO	LO	37	4.07
18	3.05	LO	LO	LO	LO	LO	LO	38	4.14
19	3.09	LO	LO	LO	LO	LO	LO	39	4.20
20	3.19	LO	LO	LO	LO	LO	LO	40	4.26

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N *

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DM-80 TRUTH TABLE

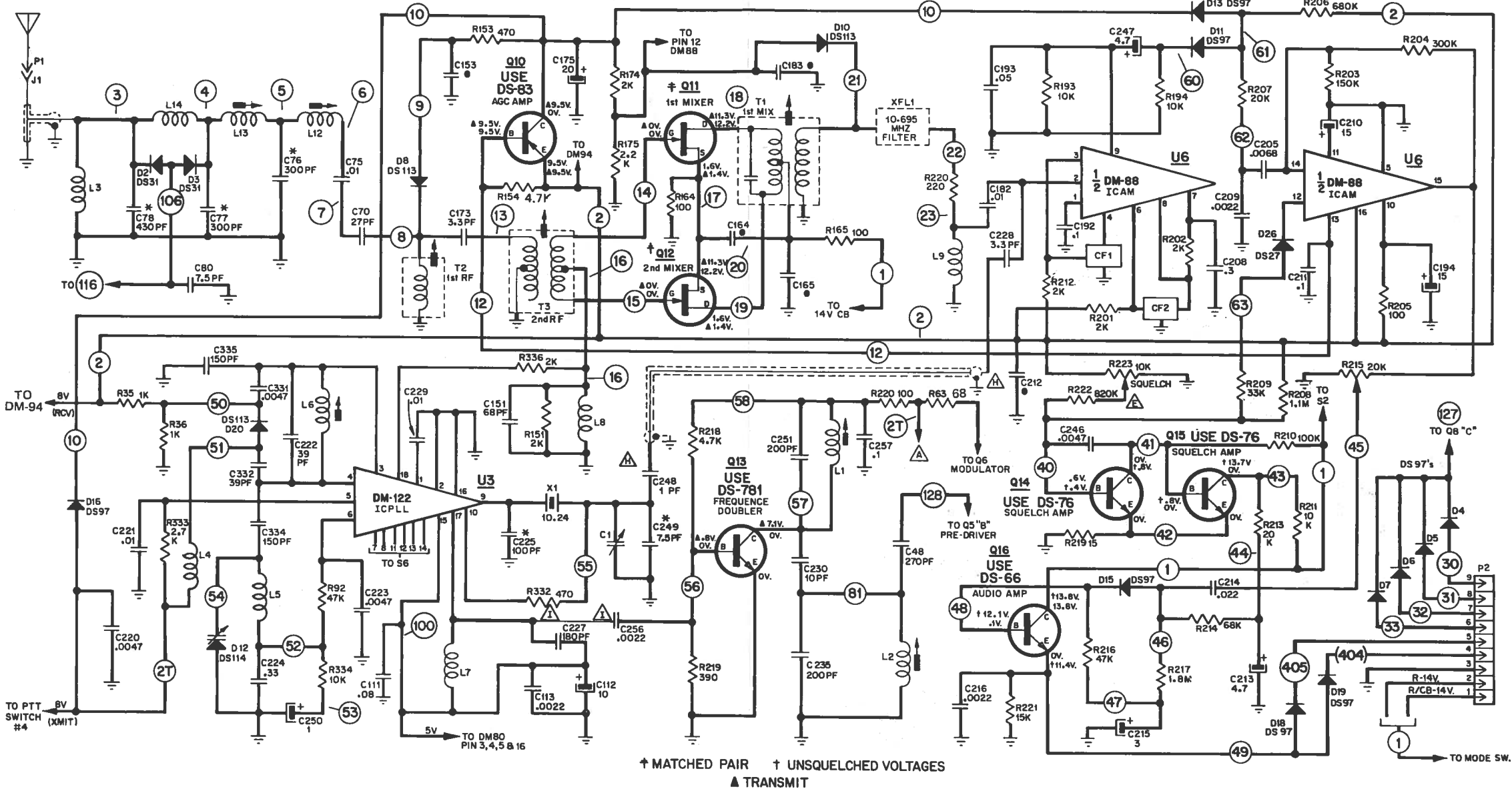
INPUT					Pin	OUTPUT						
Decimal	6	2	1	7		13	12	11	10	9	15	14
0	0	0	0	0		a	b	c	d	e	f	g
1	0	0	0	1		0	0	0	0	0	0	1
2	0	0	1	0		1	0	0	1	1	1	1
3	0	0	1	1		0	0	1	0	0	1	0
4	0	1	0	0		0	0	0	0	1	1	0
5	0	1	0	1		1	0	0	1	1	0	0
6	0	1	1	0		0	1	0	0	0	0	0
7	0	1	1	1		1	0	0	0	0	0	0
8	1	0	0	0		0	0	0	1	1	1	1
9	1	0	0	1		0	0	0	0	0	0	0

CHAN. NO.	PIN 6 VOLTS	7	8	11	12	13	14	CHAN. NO.	PIN 6 VOLTS	7	8	12	13	14	15
1	2.14	LO	LO	LO	LO	LO	LO	21	3.23	LO	HI	HI	LO	LO	HI
2	2.20	LO	LO	LO	LO	LO	HI	22	3.28	LO	HI	HI	LO	LO	LO
3	2.26	LO	LO	LO	LO	HI	LO	23	3.43	LO	HI	HI	HI	LO	HI
4	2.33	LO	LO	LO	HI	LO	LO	24	3.33	LO	HI	HI	LO	HI	HI
5	2.38	LO	LO	LO	HI	LO	HI	25	3.38	LO	HI	HI	HI	LO	LO
6	2.42	LO	LO	LO	HI	HI	LO	26	3.48	LO	HI	HI	HI	HI	LO
7	2.46	LO	LO	LO	HI	HI	HI	27	3.53	LO	HI	HI	HI	HI	HI
8	2.54	LO	LO	HI	LO	LO	HI	28	3.58	HI	LO	LO	LO	LO	LO
9	2.59	LO	LO	HI	LO	HI	LO	29	3.63	HI	LO	LO	LO	LO	HI
10	2.63	LO	LO	HI	LO	HI	HI	30	3.69	HI	LO	LO	LO	LO	LO
11	2.67	LO	LO	HI	HI	LO	LO	31	3.74	HI	LO	LO	LO	HI	HI
12	2.75	LO	LO	LO	HI	HI	LO	32	3.79	HI	LO	LO	HI	LO	LO
13	2.79	LO	LO	HI	HI	HI	HI	33	3.85	HI	LO	LO	HI	LO	HI
14	2.83	LO	HI	LO	LO	LO	LO	34	3.90	HI	LO	LO	HI	HI	LO
15	2.87	LO	HI	LO	LO	LO	HI	35	3.96	HI	LO	HI	HI	HI	HI
16	2.96	LO	HI	LO	LO	HI	HI	36	4.02	HI	LO	HI	LO	LO	LO
17	3.00	LO	HI	LO	HI	LO	LO	37	4.07	HI	LO	HI	LO	LO	HI
18	3.05	LO	HI	LO	HI	LO	HI	38	4.14	HI	LO	HI	LO	HI	LO
19	3.09	LO	HI	HI	LO	LO	HI	39	4.20	HI	LO	HI	LO	HI	HI
20	3.19	LO	HI	HI	LO	LO	LO	40	4.26	HI	LO	HI	HI	LO	LO

U3 DM-122		
PIN	XMIT	RECEIVE
1		5.5V
2		0V
3		2.6V
4		2.6V
5	6.5V	0V
6		2—3.8V
7		
8		
9		2.6V
10		1.8V
11		
12		
13	SEE TRUTH TABLE	
14		
15		
16		
17		
18		2.6V

VOLTAGES MEASURED WITH A VTVM NO SIGNAL AND 14 VOLTS APPLIED TO RADIO.

PLL & RECEIVE



△	COLOR
A	BLUE
B	WHITE
C	RED
D	GREEN
E	ORANGE
F	BLACK
G	COAX-GND
H	COAX
I	COAX
J	COAX-GND

TO MIKE
TO SQ. POT

UNLESS OTHERWISE NOTED:

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DM-122 PIN VOLTAGES

CHAN. NO.	PIN 6 VOLTS	7	8	11	12	13	14	CHAN. NO.	PIN 6 VOLTS	7	8	12	13	14	15
1	2.14	LO	LO	LO	LO	LO	LO	21	3.23	LO	HI	HI	LO	LO	HI
2	2.20	LO	LO	LO	LO	LO	HI	22	3.28	LO	HI	HI	LO	HI	LO
3	2.26	LO	LO	LO	LO	HI	LO	23	3.43	LO	HI	HI	HI	LO	HI
4	2.33	LO	LO	LO	HI	LO	LO	24	3.33	LO	HI	HI	LO	HI	HI
5	2.38	LO	LO	LO	HI	LO	HI	25	3.38	LO	HI	HI	HI	LO	LO
6	2.42	LO	LO	LO	HI	HI	LO	26	3.48	LO	HI	HI	HI	HI	LO
7	2.46	LO	LO	LO	HI	HI	HI	27	3.53	LO	HI	HI	HI	HI	HI
8	2.54	LO	LO	HI	LO	LO	HI	28	3.58	HI	LO	LO	LO	LO	LO
9	2.59	LO	LO	HI	LO	HI	LO	29	3.63	HI	LO	LO	LO	LO	HI
10	2.63	LO	LO	HI	LO	HI	HI	30	3.69	HI	LO	LO	LO	HI	LO
11	2.67	LO	LO	HI	HI	LO	LO	31	3.74	HI	LO	LO	LO	HI	HI
12	2.75	LO	LO	LO	HI	HI	LO	32	3.79	HI	LO	LO	HI	LO	LO
13	2.79	LO	LO	HI	HI	HI	HI	33	3.85	HI	LO	LO	HI	LO	HI
14	2.83	LO	HI	LO	LO	LO	LO	34	3.90	HI	LO	LO	HI	HI	LO
15	2.87	LO	HI	LO	LO	LO	HI	35	3.96	HI	LO	LO	HI	HI	HI
16	2.96	LO	HI	LO	LO	HI	HI	36	4.02	HI	LO	HI	LO	LO	LO
17	3.00	LO	HI	LO	HI	LO	LO	37	4.07	HI	LO	HI	LO	LO	HI
18	3.05	LO	HI	LO	HI	LO	HI	38	4.14	HI	LO	HI	LO	HI	LO
19	3.09	LO	HI	HI	LO	LO	LO	39	4.20	HI	LO	HI	LO	HI	HI
20	3.19	LO	HI	HI	LO	LO	LO	40	4.26	HI	LO	HI	HI	LO	LO

**U3
DM-122**

PIN	XMIT	RECEIVE
1		5.5V
2		0V
3		2.6V
4		2.6V
5	6.5V	0V
6		2—3.8V
7		
8		
9		2.6V
10		1.8V
11		
12		
13	SEE TRUTH TABLE	
14		
15		
16		
17		
18		2.6V

**DISPLAY TRUTH TABLE
(S6)**

SWITCH TERMINAL										SWITCH TERMINAL									
CHANNEL	1	2	3	4	5	6	7	8	9	CHANNEL	1	2	3	4	5	6	7	8	9
1	0	0	1	1	1	1	1	0	0	21	0	0	1	1	1	0	0	0	0
2	0	0	0	1	1	1	1	1	0	22	0	0	0	1	1	0	0	1	0
3	0	0	1	1	1	1	1	1	0	23	0	0	1	1	1	0	0	1	0
4	1	0	0	1	1	1	1	0	0	24	1	0	0	1	1	0	0	0	0
5	1	0	1	1	1	1	1	0	0	25	1	0	1	1	1	0	0	0	0
6	1	0	0	1	1	1	1	1	0	26	1	0	0	1	1	0	0	1	0
7	1	0	1	1	1	1	1	1	0	27	1	0	1	1	1	0	0	1	0
8	0	1	0	1	1	1	1	0	0	28	0	1	0	1	1	0	0	0	0
9	0	1	1	1	1	1	1	0	0	29	0	1	1	1	1	0	0	0	0
10	0	0	0	1	0	1	1	0	0	30	0	0	0	1	0	1	0	0	0
11	0	0	1	1	0	1	1	0	0	31	0	0	1	1	0	1	0	0	0
12	0	0	0	1	0	1	1	1	0	32	0	0	0	1	0	1	0	1	0
13	0	0	1	1	0	1	1	1	0	33	0	0	1	1	0	1	0	1	0
14	1	0	0	1	0	1	1	0	0	34	1	0	0	1	0	1	0	0	0
15	1	0	1	1	0	1	1	0	0	35	1	0	1	1	0	1	0	0	0
16	1	0	0	1	0	1	1	1	0	36	1	0	0	1	0	1	0	1	0
17	1	0	1	1	0	1	1	1	0	37	1	0	1	1	0	1	0	1	0
18	0	1	0	1	0	1	1	0	0	38	0	1	0	1	0	1	0	0	0
19	0	1	1	1	0	1	1	0	0	39	0	1	1	1	0	1	0	0	0
20	0	0	0	1	1	0	0	0	0	40	0	0	0	0	0	1	1	0	0

**U6
DM-88
ICAM**

PIN	VOLTAGE
1	.8V
2	1.5V
3	8.3V
4	.7V
5	0V
6	7.3V
7	1.5V
8	1.5V
9	.8V
10	6.5V
11	.6V
12	0V ▲ 4.1
13	9.1V
14	.9V
15	4.2V
16	9.1V

▲ XMIT

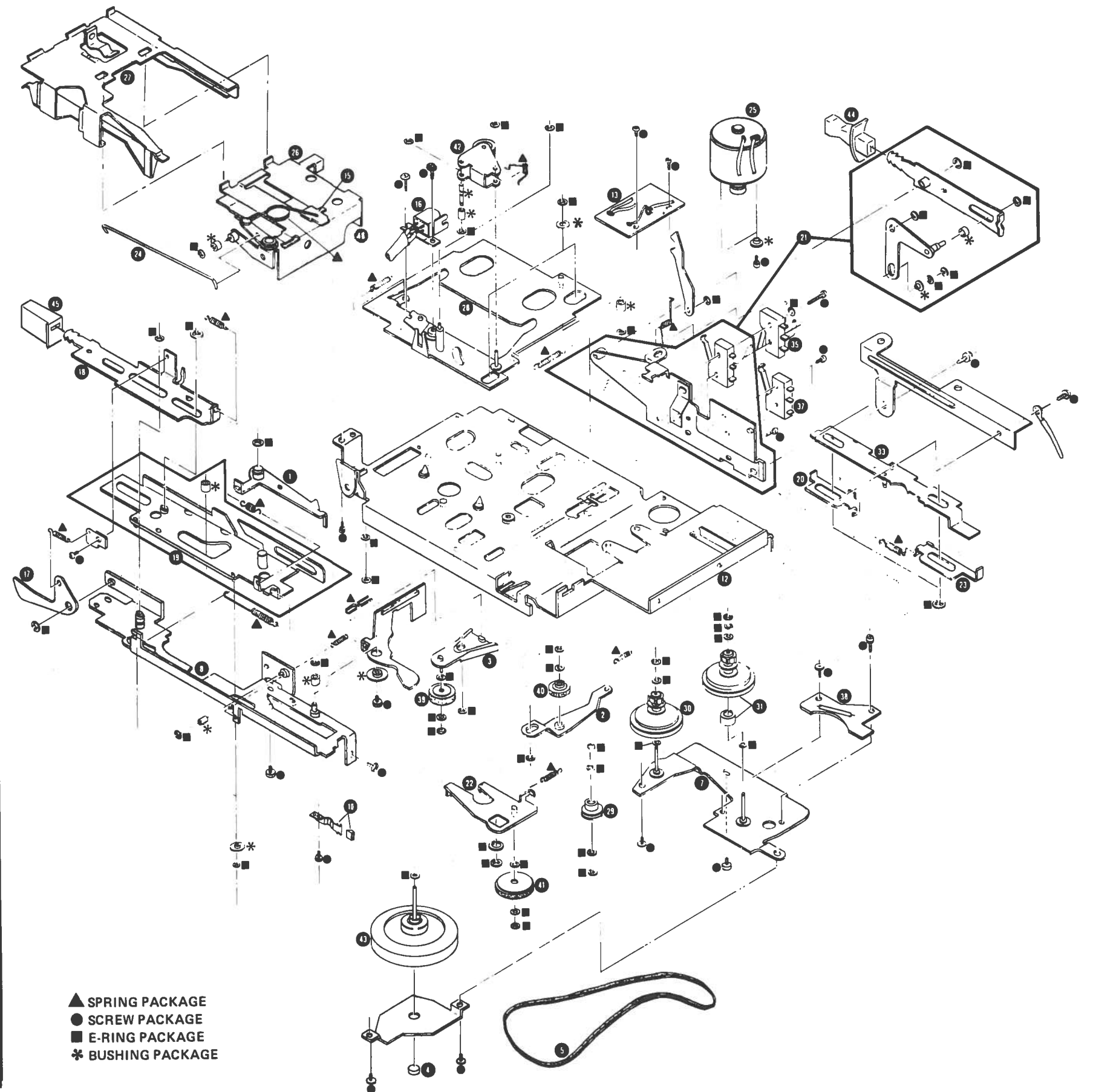
Illus. No.	Service No.	Description	STEREO		8-TRACK		CASSETTE	
			308CMS1	31GCMS1	308CTS1	31GCTS1	308CCS1	31GCCS1
MODEL No.								
TUNER (cont'd.)								
11	16000651	CLUTCH, INCLUDES TREADLE ASM.	X	X			X	X
11	16009536	CLUTCH, INCLUDES TREADLE ASM.			X	X	X	X
12	7288147	CORE, TUNING AM	X	X	X	X	X	X
13	7897881	CORE, TUNING FM OSC.	X	X	X	X	X	X
14	9347857	DRIVE SHAFT ASM., (INCL. FLEX DRIVE SHAFT)	X	X	X	X	X	X
15	1223052	'E' RINGS (20/PKG.), TREADLE & BELLCRANK	X	X	X	X	X	X
16	1223109	'E' RINGS (20/PKG.), SHIFTER PLATE	X	X	X	X	X	X
17	16002967	ESCUTCHEON ASM., (INCL. DIAL FACE)	X	X				
17	16008062	ESCUTCHEON ASM., (INCL. DIAL FACE)					X	X
17	7897819	ESCUTCHEON ASM., (INCL. DIAL FACE)			X	X		
18	1223108	FINGER BAR PACKAGE	X	X	X	X	X	X
19	7898946	LINK, POINTER ADJ.	X	X	X	X	X	X
20	16001926	LINK, SWITCH	X	X	X	X	X	X
21	9349229	LINK, TREADLE TO CORE BAR	X	X	X	X	X	X
22	7279805	NUT, DRIVE SHAFT	X	X	X	X	X	X
23	9347929	PLATE 'T' SHUTTLE GUIDE	X	X	X	X	X	X
24	7898052	PLATE 'T' SHUTTLE SHIFTER	X	X	X	X		
24	16006938	PLATE 'T' SHUTTLE SHIFTER					X	X
26	9349753	PUSHBUTTON CHROME	X		X		X	
27	7898372	PUSHBUTTON, EJECT			X			
27	16020108	PUSHBUTTON, CHROME		X		X		X
28	16020109	PUSHBUTTON, EJECT				X		
29	1223699	SET SCREW & NUT PKG. CLUTCH	X	X	X	X	X	X
32	9348335	SLIDE ASM., PB	X	X	X	X	X	X
32	9348282	SLIDE ASM., PB						
33	16018367	SLIDE ASM., TUNER	X	X	X	X	X	X
34	16005333	SLIDE BAR BLACK						
34	16001985	SLIDE BAR CHROME	X		X	X		
34	16000450	SLIDE BAR CHROME					X	X
35	7896691	SPRING, DRIVE SHAFT RETAINER	X	X	X	X	X	X
36	16004497	SPRING, POINTER TORSION	X	X	X	X		
36	16009935	SPRING, POINTER TORSION					X	X
37	7930814	SPRING, OVERCENTER	X	X	X	X	X	X
37A	9342554	SPRING, FINGER BAR RETURN	X	X	X	X	X	X
38	7302802	SPRING, SLIDE RETURN	X	X	X	X	X	X
39	16002266	SPRING, TREADLE	X	X	X	X	X	X
41	1223227	T-SHUTTLE (15/PKG.)	X	X	X	X	X	X
42	1221654	WORM PKG.	X	X	X	X	X	X
MISCELLANEOUS								
43	1224225	BOARD, 12-PIN CONN.	X	X	X	X	X	X
	16000434	BRACKET SIDE MOUNT	X	X	X	X	X	X
44	1224144	BRACKET PKG., 12-PIN CONNECTOR	X	X	X	X	X	X
J4	16001697	CONNECTOR & LEAD ASM. 6-PIN			X	X		
J4	16012614	CONNECTOR & LEAD ASM. 6-PIN					X	X
J7	1224150	CONNECTOR PKG., BENCH HOOK-UP	X	X	X	X	X	X
P7	12004451	CONNECTOR ASM., INPUT 12-PIN	X	X	X	X	X	X
P9	16010145	CONNECTOR ASM., 2-WIRE					X	X
I1	DS-450	LED, TAPE, GREEN					X	X
I2	DS-410	LED, STEREO, YELLOW	X	X	X	X	X	X
I3	16005999	LAMP, DIAL					X	X
I3	16002741	LAMP, DIAL	X	X				
XL1	16004007	SOCKET, DIAL LIGHT	X	X			X	X
XL1	16006012	SOCKET, DIAL LIGHT ASM., INCL. BOARD					X	X
XL1	16013035	SOCKET ASM., LED	X	X				
XL2	7899306	SOCKET, DIAL LAMP			X	X	X	X
XL1	9349334	SOCKET, DIAL LAMP					X	X
	16005998	FILTER, DIAL LAMP, BLUE					X	X
J1	16002642	SOCKET, ANTENNA	X	X	X	X	X	X
S2	7898278	SWITCH AM/FM	X	X	X	X	X	X

Illus. No.	Service No.	Description
DIODES		
D1	DS-130	ZENER, 7 VOLT
D2	DS-31	RF RECTIFIER
D3	DS-31	TRANSMIT DETECTOR
D4	DS-97	BRIDGE MUTE
D5	DS-97	BRIDGE MUTE
D6	DS-97	BRIDGE MUTE
D7	DS-97	BRIDGE MUTE
D8	DS-113	AGC
D9	DS-97	ALC
D10	DS-113	AGC
D11	DS-97	AGC
D12	DS-114	VARACTOR
D13	DS-97	AGC
D15	DS-97	DIODE
D16	DS-97	DIODE
D17	DS-97	DIODE
D18	DS-97	DIODE, SWITCHING
D19	DS-97	DIODE, SWITCHING
D20	DS-113	DIODE
D22	DS-97	XLOCKING
D23	DS-97	BLOCKING
D24	DS-97	BLOCKING
D25	DS-97	BLOCKING
D26	DS-27	DIODE
TRANSISTORS		
Q1	DS-66	AUTO LIMITER CONTROL
Q3	DS-76	MODULATION ERROR DETECTOR
Q4	DS-839	XMIT DRIVER
Q5	DS-781	TRANSMIT PRE-DRIVER
Q6	DS-83	MODULATOR
Q7	DS-840	XMIT FINAL
Q8	DS-66	BRIDGE MUTE
Q10	DS-83	AGC AMP.
Q11 & Q12	1224665	MIXER TRANSISTORS (MATCHED PAIR)
Q13	DS-781	TRANSMIT DOUBLER
Q14	DS-76	SQUELCH AMP.
Q15	DS-76	SQUELCH AMP.
Q16	DS-66	AUDIO AMP.
MODULES		
U1	DM-123	SPEECH CLIPPER — COMPRESSOR
U2	DM-80	DISPLAY DRIVE
U3	DM-122	ICPLL
U4	DM-112	ICVR 8 VOLT
U5	DM-94	ICVR 5 VOLT
U6	DM-88	ICAM
XFL1	16001658	QUARTZ FILTER, 10.695 MHZ
CF1	16008785	CERAMIC FILTER, 455 KHZ
CF2	16008785	CERAMIC FILTER, 455 KHZ
X1	16000426	XTAL, 10.240 MHZ
COILS & TRANSFORMERS		
L1	16008777	COIL RF/CB
L2	16008777	COIL RF/CB
L3	7291800	COIL RF, 11 μ h
L4	16010943	CHOKE, 47 μ h
L5	16008754	CHOKE, 10 μ h
L6	16008782	COIL, VCO ADJ.
L7	7296856	COIL, 8 μ h
L8	16010536	COIL RF/CB
L9	16008754	CHOKE, 10 μ h
L10	16010536	CHOKE, RF/CB
L11	7291800	CHOKE, 11 μ h
L12	16008777	COIL, RF/CB
L13	16008778	COIL, RF/CB
L14	16008774	CHOKE, 237 μ h
T1	16008781	TRANSFORMER, 1ST MIXER

Illus. No.	Service No.	Description
CAPACITORS & TRIMMERS		
T2	16008779	TRANSFORMER, 1ST RF
T3	16008780	TRANSFORMER, 2ND RF
C1	16008570	TRIMMER, 10.24 MHZ OSC.
C11	7936361	15 MFD., 6 VOLT TANTALUM
C13	9349947	100 MFD., 16 VOLT TANTALUM
C21	7936360	10 MFD., 10 VOLT TANTALUM
C71	16001832	470 PF, 100 VOLT DIPPED MICA
C72	16001832	470 PF, 100 VOLT DIPPED MICA
C75	16001470	0.001 MFD., 100 VOLT DIPPED MICA
C76	16005020	300 PF, DIPPED MICA
C77	16005020	300 PF, DIPPED MICA
C78	16005021	430 PF, DIPPED MICA
C79	9340269	40 MFD., 16 VOLT, TANTALUM
C84	9349947	100 MFD., 16 VOLT ELECTROLYTIC
C112	7936360	10 MFD., 10 VOLT ELECTROLYTIC
C153	7897655	10.7 MHZ BYPASS
C164	7897655	10.7 MHZ BYPASS
C165	7897655	10.7 MHZ BYPASS
C175	16004308	20 MFD., 10 VOLT ELECTROLYTIC
C183	7897655	10.7 MHZ BYPASS
C183	7897655	10.7 MHZ BYPASS
C194	7936361	15 MFD., 6 VOLT TANTALUM
C210	7936361	15 MFD., 6 VOLT TANTALUM
C211	7897655	10.7 MHZ BYPASS
C212	7897655	10.7 MHZ BYPASS
C213	7936362	4.7 MFD., 10 VOLT TANTALUM
C215	16006053	3.3 MFD., 35 VOLT TANTALUM
C222	16008763	39 PF, 100 VOLT DISC
C224	7898087	0.33 MFD., 35 VOLT TANTALUM
C225	16008759	100 PF, 100 VOLT DISC
C233	7936362	4.7 MFD., 10 VOLT TANTALUM
C235	16001467	200 PF, 100 VOLT DIPPED MICA
C237	7936361	15 MFD., 6 VOLT TANTALUM
C247	7936362	4.7 MFD., 10 VOLT TANTALUM
C249	9347345	7.5 PF, 100 VOLT DISC
C250	7936365	1 MFD., 10 VOLT TANTALUM
C257	16011260	0.1 MFD., 25 VOLT MONO CERAMIC
C275	7936359	3 MFD., 35 VOLT TANTALUM
C276	7936362	4.7 MFD., 10 VOLT TANTALUM
C332	16008763	39 PF, 100 VOLT DISC
C334	16008766	150 PF, 100 VOLT DISC
C335	16008766	150 PF, 100 VOLT DISC
CONTROLS & RESISTORS		
R40	16011539	30K OHM, 2%
R150	9349022	POT, AUDIO LEVEL, 20K
R165	7898302	POT, SQUELCH, 10K
R215	9349022	20K POT, AUDIO LEVEL CONTROL
R234	16001817	75K OHM, 2%
R237	16001817	75K OHM, 2%
R244	16005033	3.9K OHM, 2%
R245	16005033	3.9K OHM, 2%
R246	16013761	12K OHM, 2%
R247	16013761	12K OHM, 2%
R248	16001816	100K OHM, 2%
MISCELLANEOUS		
1	7898293	BACKPLATE, POINTER
13	1224191	BUSHING & SHAFT PACKAGE
P2	16001158	CONNECTOR, 9-PIN (TO RADIO)
I4	16005615	DISPLAY & BOARD ASM., LED
6	16000504	SWITCH, MODE-SLIDE (S2)
7	16008788	SWITCH, ROTARY 40-POSITION (S6)
8	1224115	KNOB PKG., SQUELCH & CHANNEL
9	1223171	INSULATION PKG., DRIVER & FINAL
10	7898341	NUT, HEX SQUELCH
11	7231480	NUT, HEX SWITCH
12	16000692	CABLE, FLAT 15-CONDUCTOR
13	1224191	SHAFT & BUSHING PKG.
J4	16008793	CABLE ASM., ANTENNA
J5	16008794	CABLE ASM., MIKE 5-PIN
M1	1224215	MIKE, 5 CONDUCTOR

PARTS LIST CASSETTE

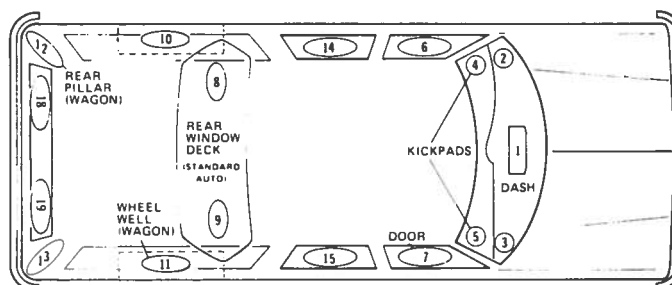
Illus. No.	Service No.	Description
CASSETTE DECK		
1	1224550	ARM, EJECT LOCK
2	1224551	ARM, IDLER
3	1224552	ARM, IDLER FF/REW
4	1224553	BEARING, CAPSTAN
5	1224554	BELT
7	1224556	BRACKET, REEL MOUNTING
8	1224557	BRACKET, EJECT
10	1224559	BRAKE, PKG.
* 11	1224580	BUSHING PKG.
12	1224561	CHASSIS ASM.
13	1224562	CIRCUIT BRD. ASM., AUTO STOP
■ 14	1224563	E-RING & WASHER PKG.
15	1224564	GUIDE, CASSETTE
16	1224695	HEAD ASSEMBLY
17	1224566	LEVER, DOOR
18	1224567	LEVER, EJECT
19	1225129	LEVER, EJECT ASM.
20	1224569	LEVER, FF
21	1225119	LEVER PKG., FF/REW
22	1224571	LEVER, IDLER
23	1224572	LEVER, REW
24	1224573	LINK, EJECT
25	1224574	MOTOR
26	1224575	PLATE, CASSETTE GUIDE
27	1224576	PLATE ASM., CASSETTE SUPPORT
28	1224577	PLATE ASM., HEAD MOUNTING
29	1224578	PULLY, IDLER
30	1224579	REEL, FEED
31	1224580	REEL PKG., TAKE UP
● 32	1224581	SCREW PKG.
33	1224582	SLIDE, ARM FF/REW
▲ 34	1224583	SPRING PKG.
35	1224584	SWITCH, AUTO STOP
37	1224586	SWITCH, RADIO/TAPE
38	1224587	SWITCH, REED & BOARD ASM.
39	1224588	WHEEL, IDLER FF/REW
40	1224589	WHEEL, IDLER FF/REW
41	1224590	WHEEL, IDLER PLAY
42	1224653	PINCH, ROLLER ASM.
43	1224654	FLYWHEEL
44	16006945	BUTTON, FF/REW-CHROME
45	16006944	BUTTON, EJECT-CHROME
46	1224696	CABLE, HEAD
P9	16010145	CONNECTOR & LEAD ASM., 6-PIN (2-WIRE, TAPE INDICATOR)
P8	16001132	CONNECTOR, 10-PIN
P4	16001133	CONNECTOR, 4-PIN
CASSETTE ELECTRICAL		
U11	DM-154	IC PRE-AMP
D1	DS-97	AUDIO MUTE
D2	DS-97	AUDIO MUTE
C3	16006055	10 MFD., 6V, TANTALUM
C4	16006055	10 MFD., 6V, TANTALUM
C9	16015544	100 MFD. 16V, LYTIC
J4	16009584	CONNECTOR & LEAD ASM., 6-PIN (RADIO TO TAPE DECK)
P4	16012614	CONNECTOR, 6-PIN
XL3	16008068	SOCKET & LEAD ASM., TAPE IND.
I1	DS-450	LED, TAPE, GREEN



SPEAKER TYPES

- A 6 x 9 (Deep Basket)
- B 4 x 6
- C 6 x 9 Dual Cone
- D 4 x 10 (Shallow Basket)
- E 4 x 10 (Deep Basket)
- F 3 1/2" Round
- G 4 x 10 Dual Cone
- H 4 x 6 Coaxial
- I 4 x 6 High Performance
- J 6 x 9 AMR
- K 4 x 10 Large Magnet
- L 4 x 10 AMR

LOCATION



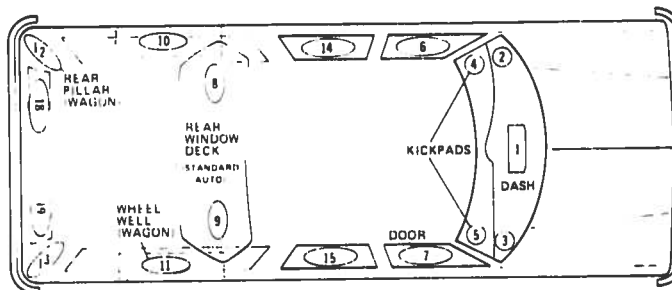
AMR — ACOUSTICALLY MATCHED RESPONSE

A CARS	FRONT (DUAL)	TYPE	LOC	REAR	TYPE	LOC	EXTENDED RANGE SPEAKER	SPECIAL
CELEBRITY	16026581	B	2 & 3	16004570	A	8 & 9	—	—
A6000	16026410	B	2 & 3	16027392	J	8 & 9	16027392(J)	—
CIERA	16021863	F	2 & 3	16004570	A	8 & 9	—	—
CENTURY	16026410	B	2 & 3	16004570	A	8 & 9	—	—
B CARS								
IMPALA, CAPRICE SEDAN/COUPE	16026410	B	2 & 3	16004570	A	8 & 9	—	—
WAGON	16026410	B	2 & 3	16009190	E	12 & 13	—	—
DELTA 88 SEDAN/COUPE	16021863	F	2 & 3	16004570	A	8 & 9	—	—
WAGON	16021863	F	2 & 3	16009190	E	12 & 13	—	—
LESABRE SEDAN/COUPE	16026410	B	2 & 3	16004570	A	8 & 9	16004150(C)	—
WAGON	16026410	B	2 & 3	16009190	E	12 & 13	—	—
C CARS								
98 SEDAN	16021863	F	2 & 3	16004570	A	8 & 9	—	—
98 COUPE	16021863	F	2 & 3	16003571	E	8 & 9	—	—
ELECTRA, PARK AVENUE COUPE	16026410	B	2 & 3	16003571	E	8 & 9	16014300(G)	—
ELECTRA PARK AVENUE SEDAN	16026410	B	6 & 7	16004570	A	8 & 9	16004150(C)	16026540(I)
PARK AVENUE & RIVIERA CONCERT SOUND STEREO	16026800	H	2 & 3	16004150	C	8 & 9	—	16026540(I)
E CARS								
TORONADO	16023012	B	2 & 3	16003571	E	8 & 9	—	—
RIVIERA	16023012	B	6 & 7	16003571	E	8 & 9	16014300(G)	16026800(H)
F CARS								
CAMARO	16026410	H	2 & 3	16018470	—	—	16004150(C)	16026620(H)
FIREBIRD	16026410	H	2 & 3	16027382	J	14 & 15	16019120(C)	16027382(J)

SPEAKER TYPES

- A 8 x 9 (Deep Basket)
- B 4 x 6
- C 8 x 9 Dual Cone
- D 4 x 10 (Shallow Basket)
- E 4 x 10 (Deep Basket)
- F 3 1/2" Round
- G 4 x 10 Dual Cone
- H 4 x 6 Coaxial
- I 4 x 6 High Performance
- J 8 x 9 AMR
- K 4 x 10 Large Magnet
- L 4 x 10 AMR

LOCATION



AMR — ACOUSTICALLY MATCHED RESPONSE

G CARS	FRONT (DUAL)	TYPE	LOC	REAR	TYPE	LOC	EXTENDED RANGE SPEAKER	SPECIAL
MONTE CARLO								
MALIBU COUPE	16026571	F	2 & 3	16003571	E	8 & 9	—	—
SEDAN	16026571	F	2 & 3	16003571	E	8 & 9	—	—
WAGON	16026571	F	2 & 3	16003571	E	10 & 11	—	—
BONNEVILLE								
GRAND PRIX								
COUPE	16026922	F	2 & 3	16029882	L	8 & 9	—	—
SEDAN	16026922	F	2 & 3	16029882	L	8 & 9	16014300(G)	—
WAGON	16026922	F	2 & 3	16029882	L	10 & 11	—	—
CUTLASS SUPREME								
COUPE	16021863	F	2 & 3	16003571	E	8 & 9	—	—
SEDAN	16021863	F	2 & 3	16003571	E	8 & 9	—	—
WAGON	16021863	F	2 & 3	16003571	E	10 & 11	—	—
REGAL COUPE	16021863	F	2 & 3	16003571	E	8 & 9	16014300(G)	—
SEDAN	16021863	F	2 & 3	16003571	E	8 & 9	16014300(G)	16026800(H)
SEDAN	16021863	F	2 & 3	16003571	E	10 & 11	—	—
J CARS								
CAVALIER								
NOTCHBACK	16027020	F	2 & 3	16004570	A	8 & 9	16004150(C)	—
HATCHBACK	16027020	F	2 & 3	16003571	E	8 & 9	16014300(G)	—
WAGON	16027020	F	2 & 3	16003571	E	10 & 11	16014300(G)	—
A2000								
NOTCHBACK	16026932	F	2 & 3	16027392	J	8 & 9	16004150(C)	—
HATCHBACK	16026932	F	2 & 3	16029482	L	18 & 19	16014300(G)	—
WAGON	16026412	F	2 & 3	16029482	L	18 & 19	—	—
FIRENZA								
NOTCHBACK	16021863	F	2 & 3	16004570	A	8 & 9	—	—
HATCHBACK	16021863	F	2 & 3	16003571	E	18 & 19	—	—
SKYHAWK								
NOTCHBACK	16021863	F	2 & 3	16004570	A	8 & 9	16004150(C)	—
CIMARRON	16027020	F	2 & 3	16004570	A	8 & 9	16004150(C)	—

AMR -

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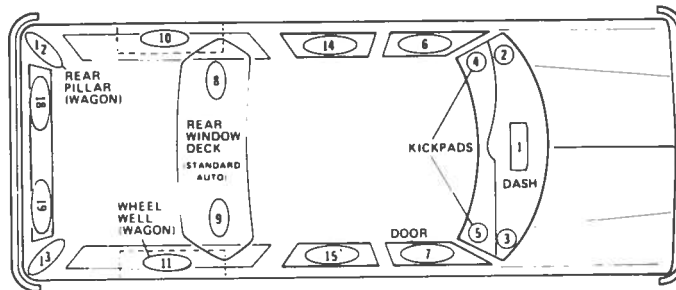
EL

C

SPEAKER TYPES

- A 6 x 9 (Deep Basket)
- B 4 x 6
- C 6 x 9 Dual Cone
- D 4 x 10 (Shallow Basket)
- E 4 x 10 (Deep Basket)
- F 3 1/2" Round
- G 4 x 10 Dual Cone
- H 4 x 6 Coaxial
- I 4 x 6 High Performance
- J 6 x 9 6 AMR
- K 4 x 10 Large Magnet
- L 4 x 10 4 AMR

LOCATION



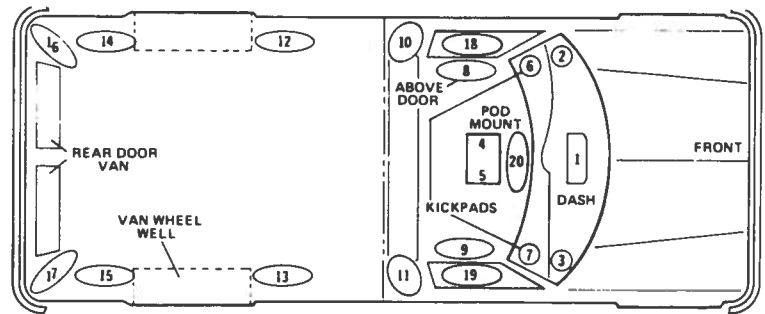
AMR — ACOUSTICALLY MATCHED RESPONSE

T CARS	FRONT (DUAL)	TYPE	LOC	REAR	TYPE	LOC	EXTENDED RANGE SPEAKER	SPECIAL
CHEVETTE	16006911	D	1	16026530	B	10 & 11	—	—
T1000	16006911	D	1	16026530	B	10 & 11	—	—
X CARS								
CITATION HATCHBACK	16026571	F	2 & 3	16003571	A	10 & 11	—	—
PHOENIX NOTCHBACK	16023012	B	2 & 3	16003571	K	8 & 9	—	—
HATCHBACK	16023012	B	2 & 3	16029882	E	10 & 11	—	—
OMEGA NOTCHBACK	16021863	F	2 & 3	16003571	E	8 & 9	—	—
SKYLARK NOTCHBACK	16023012	B	2 & 3	16003571	E	8 & 9	—	—
Y CAR								
CORVETTE	16026800	H	2 & 3	16022440	C	14 & 15	16022440	—
CADILLACS								
COUPE	16023012	F	2 & 3	16003571	D	8 & 9	—	—
SEDAN	16023012	F	2 & 3	16004570	A	8 & 9	—	—
SEVILLE	16023012	F	2 & 3	16004570	A	8 & 9	—	—
LIMO	16023012	F	2 & 3	16004570	A	8 & 9	—	—
EL DORADO	16023012	F	2 & 3	16003571	D	8 & 9	—	—

LOCATION

SPEAKER TYPES

- A 6 x 9 (Deep Basket)
- B 4 x 6
- C 6 x 9 Dual Cone
- D 4 x 10 (Shallow Basket)
- E 4 x 10 (Deep Basket)
- F 3½" Round
- G 4 x 10 Dual Cone
- H 4 x 6 Coaxial
- I 4 x 6 High Performance
- J 6 x 9 6 AMR
- K 4 x 10 Large Magnet
- L 4 x 10 4 AMR



AMR — ACOUSTICALLY MATCHED RESPONSE

TRUCKS	FRONT (DUAL)	TYPE	LOC	REAR	TYPE	LOC	EXTENDED RANGE SPEAKER	SPECIAL
EL CAMINO	16026571	F	2 & 3	16026840	D	10 & 11	—	—
CABALLERO	16017361	—	1	16003571	D	10 & 11	—	—
PICKUP	16026591	F	2 & 3	—	E	—	—	—
SUBURBAN	16017361	—	1	—	A	14 & 15	—	—
BLAZER	16026591	F	2 & 3	—	—	—	—	—
JIMMY	—	—	—	—	—	—	—	—
G VAN	16023012	B	2 & 3	16004570	A	12 & 13	—	—
S10 TRUCK	16026581	B	2 & 3	16003571	D	10 & 11	—	—
S15 TRUCK	16026581	B	2 & 3	16003571	D	14 & 15	—	—
MED DUTY	16001261	E	1	16027371	E	10 & 11	—	—
BRIGADIER	16006911	D	1	16027381	D	—	—	—
GENERAL	—	—	—	—	—	—	—	—
ASTRO	16001261	E	1	—	—	—	—	—

NEW SPEAKERS FOR 1983

SPEAKER PART NO.	DESCRIPTION	TYPICAL USE
16022440	6 x 9, 10 OHM, ERS	REAR
16026410	4 x 6, 10 OHM	FRONT
16026530	4 x 6, 10 OHM	REAR
16026540	4 x 6, 10 OHM	DOOR
16026571	3½", ROUND, 10 OHM	FRONT
16026581	4 x 6, 10 OHM	FRONT
16026591	3½", ROUND, 10 OHM	FRONT
16026620	4 x 6, 10 OHM, COAX	FRONT
16026800	4 x 6, 10 OHM, COAX	REAR
16026922	3½", ROUND, 10 OHM	FRONT
16026932	3½", ROUND, 10 OHM	FRONT
16027020	3½", ROUND, 10 OHM	FRONT
16027382	6 x 9, 6 OHM, ACOUSTICALLY MATCHED RESPONSE	REAR
16027392	6 x 9, 6 OHM, ACOUSTICALLY MATCHED RESPONSE	REAR
16029482	4 x 10, 6 OHM, ACOUSTICALLY MATCHED RESPONSE	REAR
16029882	4 x 10, 10 OHM, ACOUSTICALLY MATCHED RESPONSE	REAR