

ADMIRAL

PARTS LIST

&

SCHEMATIC

T1109



12E1X AM-FM STEREO

12ETX PARTS LIST

RESISTORS

Sym.	Description	Part No.
R1	68 ohm, $\frac{1}{2}W$, 10%.....	60B8-680
R2	10 ohm, $\frac{1}{2}W$, 10%.....	60B8-100
R3	68K ohm, $\frac{1}{2}W$, 10%.....	60B8-683
R4	1.5K ohm, $\frac{1}{2}W$, 10%.....	60B8-152
R5	10K ohm, $\frac{1}{2}W$, 10%.....	60B8-103
R7	1 meg.....	Part of L5
R8	560 ohm, $\frac{1}{2}W$, 10%.....	60B8-561
R9	1 meg.....	Part of L6
R10	100 ohm, $\frac{1}{2}W$, 10%.....	60B8-101
R11	470K ohm, $\frac{1}{2}W$, 10%.....	60B8-474
R12	1K ohm, $\frac{1}{2}W$, 10%.....	60B8-102
R13	68 ohm, $\frac{1}{2}W$, 10%.....	60B8-680
R14	33K ohm, 1W, 10%.....	60B14-333
R15	75K ohm, $\frac{1}{2}W$, 5%.....	60B7-753
R16	1K ohm, $\frac{1}{2}W$, 10%.....	60B8-102
R17	75K ohm, $\frac{1}{2}W$, 5%.....	60B7-753
R18	68 ohm, $\frac{1}{2}W$, 10%.....	60B8-680
R19	33K ohm, 1W, 10%.....	60B14-333
R20	100K.....	Part of M3
R21	2.2 meg ohm, $\frac{1}{2}W$, 10%.....	60B8-225
R22	390K ohm, $\frac{1}{2}W$, 10%.....	60B8-394
R23	3500 ohm, 5W, 10%.....	61B1-52
R24	1.5K ohm, 5W, 10%.....	61B1-31
R25	75K ohm, $\frac{1}{2}W$, 5%.....	60B7-753
R26	1K ohm, $\frac{1}{2}W$, 10%.....	60B8-102
R27	1 meg, $\frac{1}{2}W$, 10%.....	60B8-105
R28	100K ohm, $\frac{1}{2}W$, 10%.....	60B8-104
R29	75K ohm, $\frac{1}{2}W$, 5%.....	60B7-753
R30	22K ohm, $\frac{1}{2}W$, 10%.....	60B8-223
R31	27K ohm, 2W, 10%.....	60B20-273
R32	100K ohm, $\frac{1}{2}W$, 5%.....	60B7-104
R33	100K ohm, $\frac{1}{2}W$, 5%.....	60B7-104
R34	150K ohm, $\frac{1}{2}W$, 10%.....	60B8-154
R35	1 meg, $\frac{1}{2}W$, 10%.....	60B8-105
R36	1 meg, $\frac{1}{2}W$, 10%.....	60B8-105
R37	100K ohm, $\frac{1}{2}W$, 10%.....	60B8-104
R38	22K ohm, $\frac{1}{2}W$, 10%.....	60B8-223
R39	12K ohm, 2W, 10%.....	60B20-123
R40	1K ohm, $\frac{1}{2}W$, 10%.....	60B8-102
R41A		
R41B	Control, 3 meg (Loudness & Balance).....	75D46-15
R42	120K ohm, $\frac{1}{2}W$, 10%.....	60B8-124
R43	1 meg, $\frac{1}{2}W$, 10%.....	60B8-105
R44	1.8K ohm, $\frac{1}{2}W$, 10%.....	60B8-182
R45	100K ohm, $\frac{1}{2}W$, 10%.....	60B8-104
R46	10K ohm, $\frac{1}{2}W$, 10%.....	60B8-103
R47A		
R47B	Control, 1 meg (Bass).....	75D46-10
R48	100K ohm, $\frac{1}{2}W$, 10%.....	60B8-104
R49	100K ohm, $\frac{1}{2}W$, 10%.....	60B8-104
R50A		
R50B	Control, 1 meg (Treble).....	75D46-9
R51	1 meg, $\frac{1}{2}W$, 10%.....	60B8-105
R52	2.2K ohm, $\frac{1}{2}W$, 10%.....	60B8-222
R53	100K ohm, $\frac{1}{2}W$, 10%.....	60B8-104
R54	22K ohm, $\frac{1}{2}W$, 10%.....	60B8-223
R55	470K ohm, $\frac{1}{2}W$, 10%.....	60B8-474
R56	3.3 ohm, $\frac{1}{2}W$, 10%.....	60B28-10
R57	100 ohm, 5W, 10%.....	61B1-38
R58	1K ohm, 1W, 10%.....	60B14-102
R59	10K ohm, $\frac{1}{2}W$, 10%.....	60B8-103
R60	1 meg.....	Part of L13
R61	120K ohm, $\frac{1}{2}W$, 10%.....	60B8-124
R62	1 meg, $\frac{1}{2}W$, 10%.....	60B8-105

RESISTORS (Cont'd)

Sym.	Description	Part No.
R63	1.8K ohm, $\frac{1}{2}W$, 10%.....	60B8-182
R64	100K ohm, $\frac{1}{2}W$, 10%.....	60B8-104
R65	100K ohm, $\frac{1}{2}W$, 10%.....	60B8-104
R66	10K ohm, $\frac{1}{2}W$, 10%.....	60B8-103
R67	100K ohm, $\frac{1}{2}W$, 10%.....	60B8-104
R68	1 meg, $\frac{1}{2}W$, 10%.....	60B8-105
R69	2.2K ohm, $\frac{1}{2}W$, 10%.....	60B8-222
R70	100K ohm, $\frac{1}{2}W$, 10%.....	60B8-104
R71	22K ohm, $\frac{1}{2}W$, 10%.....	60B8-223
R72	470K ohm, $\frac{1}{2}W$, 10%.....	60B8-474
R73	130 ohm, 2W, 5%.....	60B19-131
R74	130 ohm, 2W, 5%.....	60B19-131
R75	470K ohm, 1W, 10%.....	60B14-474

CAPACITORS

Sym.	Description	Part No.
C1	10 mmfd, $\pm 10\%$, NPO.....	65D10-87
C2	.01 mfd, GMV.....	65D10-3
C3	47 mmfd, 20%, General Purpose...	65D6-79
C4	220 mmfd, 20%, General Purpose...	65D6-80
C5	17 mmfd.....	Part of L3
C6	.001 mfd, 500V, 20%.....	65D10-53
C7	17 mmfd.....	Part of L4
C8	2 mmfd, $\pm .25$ mmfd, N750.....	65D6-53
C9	47 mmfd, $\pm 10\%$, N750.....	65D10-177
C10	10 mmfd, $\pm 10\%$, NPO.....	65D10-87
C11	.01 mfd, GMV.....	65D10-3
C12	10 mmfd, $\pm 10\%$, NPO.....	65D10-87
C13	.001 mfd, 500V, 20%.....	65D10-53
C14	.001 mfd, 500V, 20%.....	65D10-53
C15	.01 mfd, GMV.....	65D10-3
C16	.01 mfd, GMV.....	65D10-3
C17	.01 mfd, GMV.....	65D10-3
C18	.01 mfd, GMV.....	65D10-3
C19	.01 mfd, GMV.....	65D10-3
C20	.01 mfd, GMV.....	65D10-3
C21	.01 mfd, GMV.....	65D10-3
C22A		
C22B	100 mmfd.....	Part of M3
C23	.047 mfd, 200V, 20%.....	64L6-41
C24	.0033 mfd, $\pm 20\%$	65D10-35
C25A	30 mfd, 350V.....	67D7-101
C25B	30 mfd, 350V.....	67D7-101
C25C	50 mfd, 25V.....	67D7-101
C26	.01 mfd, GMV.....	65D10-3
C27	.01 mfd, GMV.....	65D10-3
C28	47 mmfd, 20%, General Purpose...	65D6-79
C29	.01 mfd, GMV.....	65D10-3
C30	100 mmfd, 10%, N750.....	65D6-19
C31	800 mmfd, $\pm 10\%$	65D10-197
C32	.005 mfd, $\pm 20\%$	65D10-188
C33	.01 mfd, GMV.....	65D10-3
C34A	355.4 mmf, max. ant.	
C34B	104.7 mmf, max. osc.	
C34C	Antenna trimmer gang.....	68C71-2
C34D	Oscillator trimmer	
C35	.001 mmfd, GMV, feed-through...	65L2-1
C36	.02 mfd, $\pm 80\% - 20\%$	65D10-28
C37	47 mmfd, $\pm 10\%$, N750.....	65D10-177
C38	.01 mfd, GMV.....	65D10-3
C39	.01 mfd, GMV.....	65D10-3
C40	.01 mfd, GMV.....	65D10-3
C41	.01 mfd, $\pm 20\%$, 500V.....	65D10-41
C42	.01 mfd, $\pm 20\%$, 500V.....	65D10-41

12ETX PARTS LIST

CAPACITORS (Cont'd)

Sym.	Description	Part No.
C43	.047 mfd, 500V, 20%.....	65M1-18
C44	.002 mfd, $\pm$ 20%.....	65D10-39
C45	.02 mfd, +80% - 20%.....	65D10-28
C46	220 mmfd, 20%, General Purpose..	65D6-80
C47	.0015 mfd, $\pm$ 20%.....	65D10-103
C48	.02 mfd, $\pm$ 20%, 500V.....	65D10-137
C49	.02 mfd, +80% - 20%.....	65D10-28
C50	.0022 mfd, $\pm$ 20%.....	65D10-111
C52	.047 mfd, 400V, 20%.....	64L6-28
C53	.047 mfd, 600V, 20%.....	64L6-9
C54A	40 mfd, 400V.....	67D7-102
C54B	80 mfd, 400V.....	67D7-102
C54C	40 mfd, 400V.....	67D7-102
C55	30 mfd, 350V (C25B).....	67D7-101
C56	.01 mfd, $\pm$ 20%, 500V.....	65D10-41
C57	.01 mfd, $\pm$ 20%, 500V.....	65D10-41
C58	.047 mfd, 500V, 20%.....	65M1-18
C59	.002 mfd, $\pm$ 20%, 1000V.....	65D10-39
C60	.02 mfd, +80% - 20%.....	65D10-28
C61	220 mmfd, 20%, General Purpose..	65D6-80
C62	.0015 mfd, $\pm$ 20%.....	65D10-103
C63	.02 mfd, $\pm$ 20%, 500V.....	65D10-137
C64	.02 mfd, +80% -20%.....	65D10-28
C65	50 mfd, 25V (C25C).....	67D7-101
C66	.0022 mfd, $\pm$ 20%.....	65D10-111
C68	.01 mfd, GMV.....	65D10-3
C69	.01 mfd, GMV.....	65D10-3
C70	.01 mfd, GMV.....	65D10-3
C71	.01 mfd, GMV.....	65D10-3
C72	.01 mfd, GMV.....	65D10-3
C73	.01 mfd, GMV.....	65D10-3

COILS

L1	Coil, Airwound.....	73D20-71
L2	R. F. Choke (Orange).....	73B31-4
L3	R. F. Coil.....	69L8-1
L4	R. F. Coil.....	69L8-1
L5	R. F. Choke (Green).....	73B31-5
L6	R. F. Choke (Green).....	73B31-5
L7	R. F. Choke (Orange).....	73B31-4
L8	R. F. Choke (Orange).....	73B31-4
L9	Antenna Bar Assembly.....	69B229-2
L10	Coil, Oscillator (AM).....	69B243-1
L11	Filament Choke.....	73A2-14
L12	Filament Choke.....	73A2-14
L13	R. F. Choke (Green).....	73B31-5

TRANSFORMERS

T1	I. F. Transformer (10.7 MC).....	72L5-1
T2	I. F. Transformer (10.7 MC).....	72L5-1
T3	I. F. Transformer (10.7 MC).....	72D28-72
T4	Discriminator Transformer (10.7 MC).....	72D28-73
T5	I. F. Transformer (455 KC).....	72D28-70
T6	I. F. Transformer (455 KC).....	72D28-71

MISCELLANEOUS CHASSIS PARTS

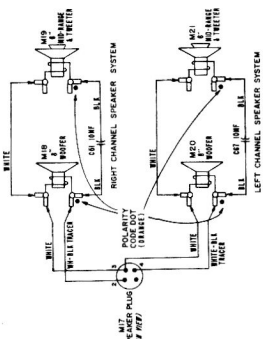
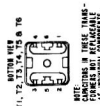
A. M. P. Connector Pin.....	9L3-1
Clamp, Line Cord.....	11B27-3
Grommet, Rubber (RF & Osc. Coil).....	12B1-4
Grommet, Rubber (Rod Antenna).....	12B1-22

MISCELLANEOUS CHASSIS PARTS (Cont'd)

Description	Part No.
Chassis.....	14L13-1
Bracket, Cam Follower.....	15B1870-1
Bracket, Cam.....	15B1871-1
Bracket, Cam Follower Support.....	15B1872-1
Shield, I. F.	15A1933-1
Bracket, Reflector.....	15B2044-1
Bracket, Pt. Guide Rail.....	15B2045-1
Bracket - Dial Background.....	15B2046-2
Bracket - Dial Background.....	15B2047-1
Bracket - Shock Mtg. Cup.....	15A2048-1
Bracket - Hum Shield.....	15B2081-1
Bracket - R. F. Shield.....	15A2083-1
Cover, Osc. Sect.....	15B2117-1
Bracket, Stop Ring.....	15A2308-1
Pulley, 1/2" String.....	17C1-46
Drum Gang, 2" S.D.....	17A41-1
Drum, Ratio 1 3/8 S.D.....	17A53-3
Drum, Tuning 11/16".....	17A57-1
Drum, Ratio 11/16" S.D.....	17A57-2
Spring, Dial Retainer.....	18A253-1
Spring, Dial String.....	19D1-5
Spring, Cam Arm.....	19D1-51
Dial Scale, Hor.....	21C126-3
Pointer.....	25A72-4
Stud, Slug Adj.....	27A4
Stud, Cam Follower.....	27A295-1
Flange Bearing Tuning Shaft.....	27A304-2
Shaft, Dual Drum.....	27A312-2
Bushing, Cam and Drum.....	27A314-1
Shaft, Tuning.....	27A315-2
Bearing, Ball.....	30A1-1
Antenna Terminal Board.....	32L44-2
Ant. Mtg. Strip.....	32B470-1
Connector Shell.....	33B287-1
Dial String.....	50A1-3
Couplate, AM.....	63A3-2
Slug, Iron Core.....	71D1-25
Transformer Mtg. Clips.....	72D28-10
Switch - Rotary Function.....	77B97-1
Output Transformer.....	79D56-16
or	
Cutput Transformer (Preferred).....	79M11-1
Power Transformer.....	80D35-19
or	
Power Transformer (Preferred).....	80M19-2
Pilot Light Bulb.....	81B1-19
Pilot Light Socket.....	82L5-1
Pilot Light Socket.....	82A6-17
Pilot Light Socket.....	82A6-18
or	
Pilot Light Socket (Preferred).....	82L5-2
Socket, Octal (5U4GB).....	87A5-1
Tube Shield, Tapered.....	87C7-20
Socket, Tube Base.....	87C23-2
Tube, Socket, 9 Pin.....	87C23-3
Tube Socket.....	87B25-3
Tube Socket, 7 Pin.....	87A39-10
Phono Jack (Double).....	88B1-2
Connector, Insulator.....	88B1-3
Plug and Socket.....	88B5-3
Plug and Socket.....	88B5-6
Line Cord and Plug (8 ft.).....	89W1-3
Transmission Line, 300 ohm.....	95Y16-27
Plug Assembly.....	700B137-4
Cam and Drum Assembly.....	700B209-1
Pulley Drum Assembly.....	700C279-1

CABINET PARTS LIST FOR MODELS Y701X-02X-03X

Description	Part No.
Terminal Pins (Extension).....	9L3-1
Terminal Solderless (Motor Leads).....	9L3-4
Lug - Solderless (700L8-1).....	9A22-1
Solderless Connector.....	9B35-8
Plastic Clamp (Changer Leads).....	11B12-3
Rubber Mount.....	12A98-1
Bracket - Shock Mtg (Rear Chassis Mtg.)...	15B2073-2
Cover - Chassis Bottom.....	15C2097-1
Bracket - Shock Mtg. Channel.....	15A2300-1
Spring - Dial Crystal.....	18A267-1
Escutcheon.....	23E369-6
Crystal.....	24C30-2
Terminal Board (Spkr. Extension).....	32K51-1
Heat Reflector.....	32L52-1
Knob - Control.....	33D432-6
Knob - Control Tuning.....	33D432-7
Knob - Control Single.....	33D432-8
Knob - Control Dual.....	33D432-9
Cabinet (Walnut) (Y701X).....	35P173-1
Cabinet (Mahogany) (Y702X).....	35P173-2
Cabinet (Blonde) (Y703X).....	35P173-3
Legs (Walnut) (Y701X).....	35P173-51
Legs (Mahogany) (Y702X).....	35P173-52
Legs (Blonde) (Y703X).....	35P173-53
Operating Instruction Booklet.....	41K12-4
Back Cover (Brown) (Rear Phono Drawer) (Y701X, Y702X).....	43M66-3
Back Cover (Beige) (Rear Phono Drawer) (Y703X).....	43M66-4
Back Cover (Brown) (Left Channel) (Speaker Compartment) (Y701X-02X)	43N83-1
Back Cover (Brown) (Right Channel) (Spkr. Compartment) (Y701X-02X)...	43N83-2
Back Cover (Beige) (Left Channel) (Spkr. Compartment) (Y703X).....	43N83-4
Back Cover (Beige) (Right Channel) (Spkr. Compartment) (Y703X).....	43N83-5
Back Cover (Brown) (Rear Phono Compart- ment) (Y701X, Y702X).....	43M84-1
Back Cover (Beige) (Rear Phono Compartment) (Y703X).....	43M84-2
Crossover Cond (5 mfd.).....	67K3-1
Speaker 8" Woofer (4.6 oz.).....	78M24-2
Speaker 3 1/2" (1 oz.).....	78L26-1
Phono Plug.....	88A2-3
Speaker Plug (4 Prong).....	88B5-2
Cable Assembly, Shielded.....	89L5-9-0
Cable Assembly, Shielded.....	89L5-10-2
Assembly Wire Connector.....	89L8-7
Assembly Wire Connector.....	89L8-8
Assembly Wire Connector.....	89L8-9
300 ohm Twin Lead.....	95Y16-5
Schematic Diagram.....	99P163
Built In FM Antenna.....	700M8-1
Speaker Harness.....	700Z141-17



ALL RESISTOR VALUES IN OHMS AND CAPACITOR VALUES IN MICROFARADS UNLESS OTHERWISE SPECIFIED
FOR ALL VOLTAGE READINGS, ALL CONTROLS AT MID-POSITION AND NO SIGNAL APPLIED.
FOR ALL POTENTIAL READINGS, ALL CONTROLS AT MID-POSITION AND NO SIGNAL APPLIED.
VOLTAGE READINGS AT SOCKET PINS 10, 11, 12, 13, AND 14 SHOULD BE TAKEN WITH FUNCTION SWITCH
IN "ON - 0.0" POSITION.
RESISTOR VALUES ARE INDICATED. THESE CONTROLS ARE CLUTCHED WHEN ONE SWART LEATHER THE
OTHER IN OUTSIDE WELD STATION. THE OTHER MAY BE TURNED THIS ADJUSTING THE OTHER
WHEN EITHER SWART IS HELD FROM TURNING WITH OTHER. THIS MAY BE ADJUSTED BY TURNING EITHER
ADJUSTING MECHANISM OF 13, 14, 15, 16, AND 17 WILL INDICATE LESS THAN 0.1 OHMS.

PN IF 10.7MC AN IF 455KC
DC RESISTANCE MAY VARY 10%.
MEASURED WITH V8,V9,V10, AND
MEASURED WITH V12 REMOVED FROM
MEASURE WITH V1,V2,V3,V4,V5,
CHASSIS GROUND.

**12E1X,
12D1AX** CHASSIS