



**WELLS-GARDNER®**  
ELECTRONICS CORPORATION

**MODEL 17D9102**

**MODEL 18D9103**



## REPLACEMENT PARTS LIST

### Main, Neck & Control PCB Assembly Parts List

#### TRANSFORMERS

DESIGNATION	DESCRIPTION	PART NO.
T101	TM 1305	053X0670-001
LF-101	LF-2828A	052X0155-001
T301	6K3R	009A3029-001
T302	H5KR	052X0154-001
L101,L102	AZ940K	2D5L34AZ940K
L304	C110R	009A3024-001

#### INTEGRATED CIRCUITS

DESIGNATION	DESCRIPTION	PART NO.
IC101	IC STR-F6654A	086X0376-001
IC102	IC 278R05	2DU278R05--N
PC101	IC H11A817B	086X0374-001
IC104	IC KA431AZ	2DUKA431AZ-N
IC201	IC KA2142	086X0368-001
IC301	IC TDA9109A H. PROC IIC	2DUTDA9109AN
IC302	IC KA358 OP AMP	2DUKA358--N
IC401	IC KA2500	086X0369-001
IC402	IC LM2407T	086X0377-001
IC403	IC KS2501	086X0370-001
IC601	U-COM KS88P6116N	086X0366-002
IC602	IC KS24C04	086X0371-001
IC603	IC KA7542Z	086X0372-001

#### VARIABLE POTENTIOMETERS

DESIGNATION	DESCRIPTION	PART NO.
VR301	VR SEMI 2K ohm	2D5R21N6H202
VR501	VR SEMI 500K ohm	2D5R21N6H504

#### TRANSISTORS

DESIGNATION	DESCRIPTION	PART NO.
Q201,Q304,Q311,Q320	NPN KSC2328Y	2DTKSC2328Y
Q202	NPN KSC2330-Y	2DTKSC2330YT
Q204,Q312	PNP KSA928Y	2DTKSA928Y
Q306,Q314,Q315	NPN KSP43	2DTKSP43---T
Q309	NPN KSD401-Y	2DTKSD401Y-N
Q310,Q507	PNP KSA1013-Y	2DTKSA1013YT
Q313	FET IRF654A	2DTIRF654AN
Q316,Q307	FET IRF630A	2DTIRF630A-N
Q317,Q318	FET IRFS640A	2DTIRF640A-N
Q319	NPN KSR1002	2DTKSR1002-T
Q405,Q406,Q407	PNP KSA992-F	2DTKSA992F-T
Q408,Q409,Q410	NPN KSC1845-F	2DTKSC1845FT
Q702	TKSC50+2FT/C5042F	086X0373-001

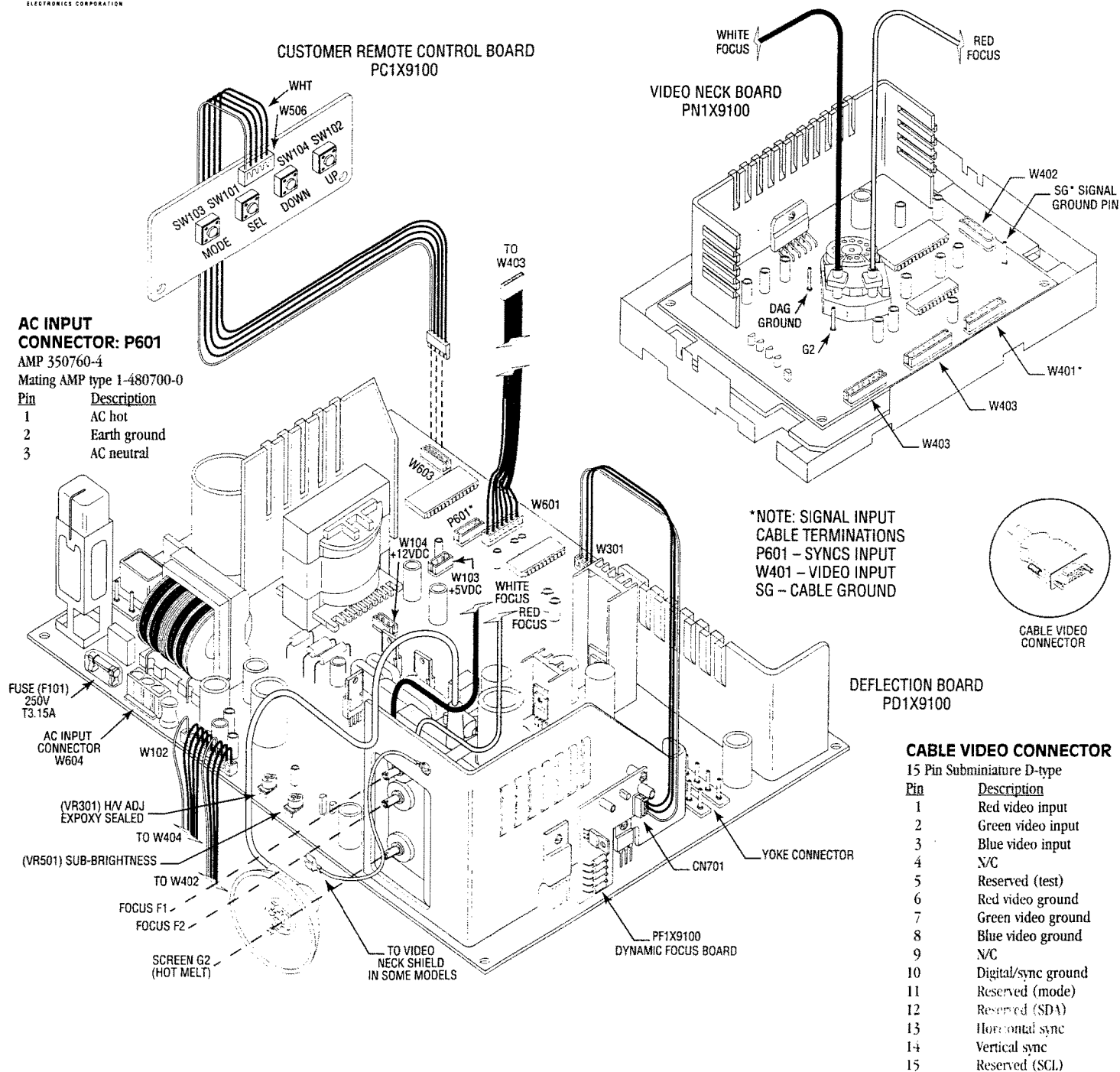
#### MISCELLANEOUS

DESIGNATION	DESCRIPTION	PART NO.
F101	FUSE 50T 250V 3/15A TUV	016X0215-001
Power Cord	3P110V	013X1424-001
Video signal cable	Pc signal 1.65mm	013X1425-001
TH101	THERMISTOR 8D-13	2D5R52-8D-13
RS601	RESONATOR KBR-8.0M	2D5V12KBR80M
SG405	SPARK GAP 1.5KV +-500V	2DDX1.5KV500
NF401,NF402,NF403	NOISE FILTER	
	CF106B1H471MF	2D5L3-H471MF
CRT Socket	ISDS08S	003A0712-001
SG401,SG402, SG403, SG404	SPARK GAP MTA -301M	2DDXMTA301MT

#### DIODES

DESIGNATION	DESCRIPTION	PART NO.
D101	EU1Z	2DDDEU1Z ---N
BD101	D3SBA60-4100 ?	2DDBD3SBA60N
D102,D103	1N4936	2DDD1N4936-T
D104,D112	EG01C	2DDDEG01C-N
D110,D310	RU4AM	2DDDRU4AM-N
D111,D114	RG2Y	2DDDRG2Y---N
D113	EG1A	2DDDEG1A---N
D115,D701,D702	GUF10M	2DDDGUF10M-T
D201,D514	1N4002	2DDD1N4002-T
D301,D306	SDSO6U150S	2DDD06U150SN
D302,D305	D1NL20U-4060	2DDD1NL20U-N
D303,D304,D309	1N4148	2DDD1N4148-T
D311,D312,D313	1N4148	2DDD1N4148-T
D314,D411,D412	1N4148	2DDD1N4148-T
D413,D512,D513	1N4148	2DDD1N4148-T
D315	MUR460	066X0126-005
D316	MUR460	066X0126-005
D402,D403,D404	1SS244	2DDD1SS244---T
D405,D406,D407	1SS244	2DDD1SS244---T
D408,D409,D410	1SS244	2DDD1SS244---T
D506,D508	1N4937	2DDD1N4937-T
D701,D702	GUF10M	2DDDGUF10M-T
D507	D2L20U-4000	2DDDD2L20U-N
ZD301,302,303	UZ-18B	2DDZUZ18B---T
ZD304	BXZ79B12	066X0178-001
ZD501	UZ-6.2B	2DDZUZ6.2B---T
ZD502	UZ-9.1B	2DDZUZ9.1B---T
ZD601,ZD602,ZD603	UZ-5.1B	2DDZUZ5.1B---T
ZD604, ZD605,ZD606	UZ-5.1B	2DDZUZ5.1B---T

Replacement Parts List is continued on back page.



## CAPACITORS

DESIGNATION	DESCRIPTION	PART NO.
C107	0.03UF 630V MYLAR NPP	2DCPP2J303JD
C210	0.3UF 200V MYLAR MPE	2DCME2D304JD
C311	5600PF 1.6KV MYLAR NPPS	2DCMP3C562JD
C313	4700PF 630V MYLAR NPP	2DCPP2J492JD
C316	0.27UF 250V MYLAR PFU	2DCPL2E274JD
C317	0.6UF 250V MYLAR MPP	2DCMP2E604JD
C318	0.3UF 250V MYLAR MPP	2DCMP2E304JD
C328	CAP 1UF 63V MYLAR MPE K	2DCMA1J105KT
C329	0.1UF 250V MYLAR MPE	2DCME2E104JD
C132, C506	CAP 1000UF LYT	045X0605-009

## RESISTORS

DESIGNATION	DESCRIPTION	PART NO.
R103, R104	1W 43K J MOX FILM	2DRS14302JBN
R109	2W 56K J (R) CEMENT	2DRW25602JAR
R120	1W 22 J MOX FILM	2DRS12200JBN
R139	3W 2K J (SMALL TYPE)	2DRS32001JBN
R209	1W 0.82 J MOX FILM	2DRS1R820JBN
R319	1W 47 J MOX FILM	2DRS1470JBN
R321	1W 330 J MOX FILM	2DRS13300JBN
R325	3W 100 J (R) MOX FILM	2DRW31000JAR
R350	3W 1.2K J (R) MOX FILM	2DRW31201JAR
R360	3W 1.2K J MOX FILM	2DRS31201JBN
R370, R372	1W 0.68 J MOX FILM	2DRS1R680JBN



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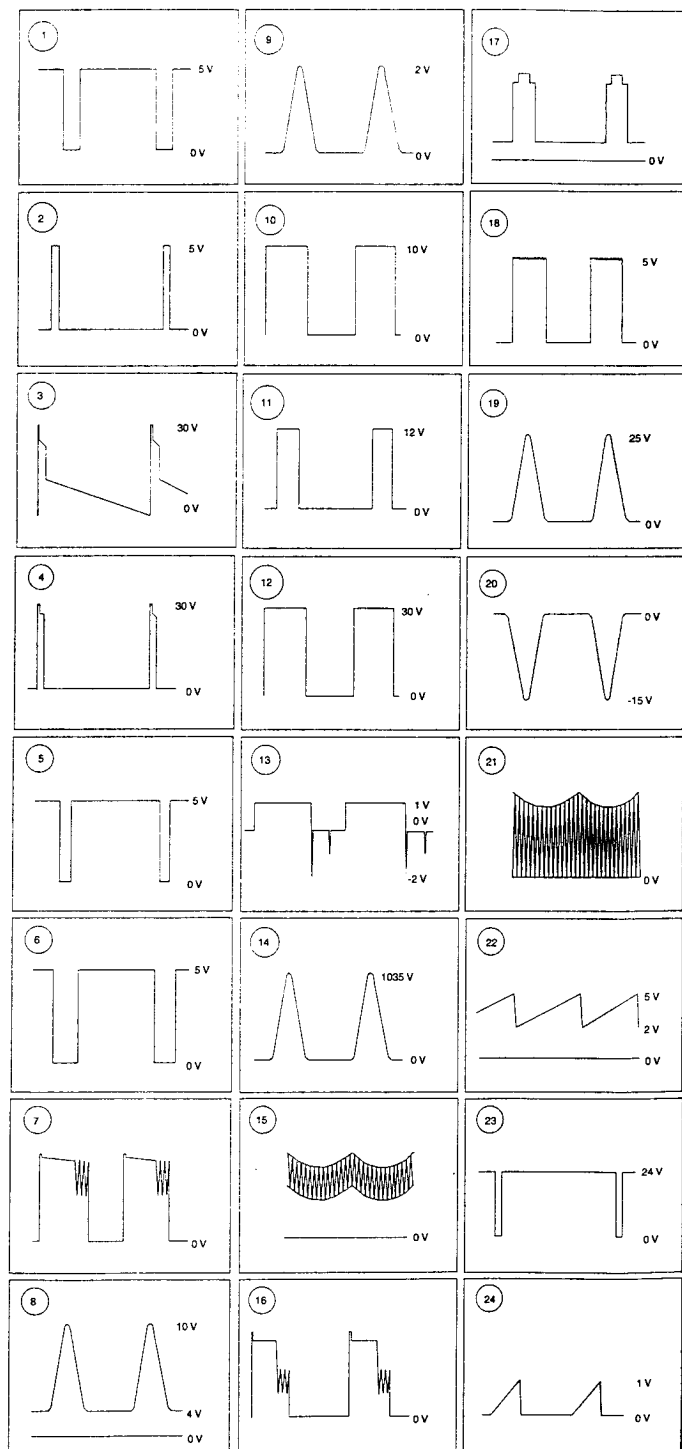
## MODEL PARTS DIFFERENCE LIST

### 17D9102 TO 18D9103 PCB ASSEMBLY DIFFERENCES

DESIGNATION	DESCRIPTION	PART NO. 17D9102	PART NO. 18D9103
PD179100	DEFLECTION MAIN BRD	025A1642-001	025A1648-001
PN179100	NECK BOARD	025A1644-001	025A1644-001
PC179100	CUST. CONTROL BRD	025A1647-001	025A1647-001
PC179100	DYNAMIC FOCUS BRD	025A1643-001	025A1650-001

### 17D9102 TO 18D9103 COMPONENT DIFFERENCES

DESIGNATION	DESCRIPTION	PART NO. 17D9102	PART NO. 18D9103
R107	RES .15 ohm 2 W CERM	2DRW2R150JAR	
R107	RES .12 ohm 2 W CERM		043X0515-001
R305	RES 9.53K 1% 1/4W MF	421X9531-221	
R305	RES 8.25K 1% 1/4W MF		421X8251-221
R306	RES 53.6K 1% 1/4W	421X5361-221	
R306	RES 47K 1% 1/4W...		
R328	RES .47 ohm 1W MOX FILM	2DRS1R470JBN	
R328	RES .33 ohm 1W MOX FILM		2DRS1R330JBN
C321	0.1UF 250V MYLAR MPP	2DCMP2E104JD	
C321	0.15UF 250V MYLAR MPP		046X0536-095
C316	0.27UF 250V MYLAR PFL	2DCPL2E274JD	
C316	0.36UF 250V MYLAR PFL		046X0536-096
C119	CAP 220UF 100V ELCTRO RUS	2DCUS2A221MN	
C119	CAP 220UF 100V ELCTRO 105C		045X0605-007
C331	CAP 220UF 100V ELCTRO RUS	2DCUS2D221MN	
C331	CAP 220UF 100V ELCTRO 105C		045X0605-008
T501	FLYBK TMR CT8858A	053X0668-001	
T501	FLYBK TMR CT8828		053X0667-001
Q308	TRSTR NPN KSC5802	086X0375-001	
Q308	TRSTR NPN KSC5803		086X0407-001
CRT	M41QAR361X113	088X0436-001	
CRT	M46AJN83X46		088X0437-001
De-gaussing Coil	CD-0170T/5L81-170T	009A3023-001	
De-gaussing Coil	COIL DEGAUSS 19"		009A2857-001
T301	6K3R	009A3029-001	
T301	6K3R		009A3022-001
L303	C110R Li Shim	009A3030-001	
L303	C110R		009A3024-001



MODEL 17D9102  
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