



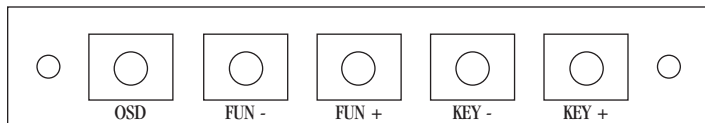
## MODEL PD279400/PD279410/PD339400

### Service Supplement: D9400/D9410 Series Digital-Control Color Monitor

#### OSD (On screen display menu) CONTROLS & ADJUSTMENTS:

There are five switches on the control panel with Key Function:

- ① OSD/EXIT      OSD—Call the Main-Menu OSD
- ② FUN - /FUN +      When the Main-Menu is displayed, you can *select* each function using these keys.
- ③ KEY - /KEY +      When the Sub-Menu is displayed, you can *change* the amplitude of the selected function of the screen using these keys.



Location	Adjustment Method	Function
Customer Control PCB	OSD Control	Brightness Contrast H. Position V. Position H. Size V. Size Side Pincushion Trapezoid Pin Balance Parallelogram OSD Time Degauss RGB Screen Color Recall
Main PCB Factory Adjusted	Control: VR501, VR901, VR201, VR202, and FBT	Fil, H/V, H-SIZE, H-CEN, Focus and Screen

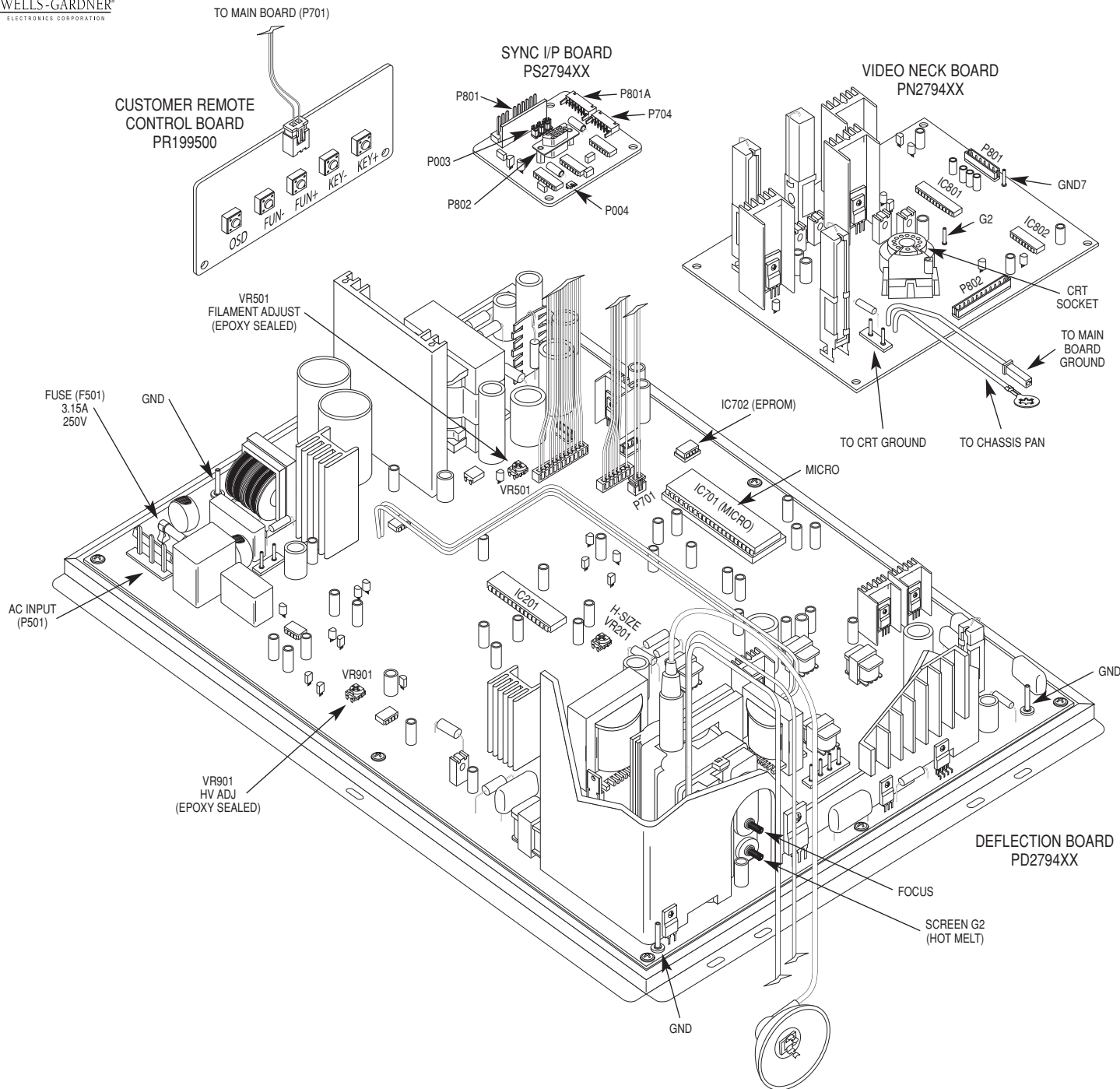
#### BRIGHTNESS ADJUSTMENT:

- 1) Press the “OSD” key—the Main-Menu OSD will come up as pictured above.
- 2) Search “BRIGHTNESS” sub-menu using “FUN -” or “FUN +” key on the Main-Menu OSD.
- 3) The “BRIGHTNESS” OSD color changes from blue to red.
- 4) Adjust Brightness as much as you want using “KEY -” or “KEY +”.
- 5) After finishing the Brightness adjust, press the “OSD” key. The “OSD” will disappear. The new Brightness value will be saved automatically.
- 6) If you want to adjust other functions (sub-menu), search the function using “FUN -” or “FUN +”, and then repeat the same procedures of steps 2–5.
- 7) Press the “OSD” key again to finish adjustments and the OSD will disappear. If no action is taken in the OSD, the menu will disappear by itself.

Note: When the “RECALL” key is pressed, all user's adjustment values are changed to the factory values.



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#### AC INPUT CONNECTOR: P501

Pin	Description
1	AC hot
2	Earth ground
3	AC neutral

#### CABLE VIDEO CONNECTOR

15 Pin Subminiature D-type

Pin	Description
1	Red video input
2	Green video input
3	Blue video input
4	N/C
5	Reserved (test)
6	Red video ground
7	Green video ground
8	Blue video ground
9	N/C
10	Digital/sync ground
11	Reserved (mode)
12	Reserved (SDA)
13	Horizontal sync
14	Vertical sync
15	Reserved (SCL)

#### PCBA CONNECTOR PIN

Pin	Description
1	Red
2	Green
3	Blue
4	Gnd
5	+ - Vertical sync
6	+ - Horizontal sync
7	Key
8	Gnd
9	+ - Vertical sync
10	+ - Composite sync



## REPLACEMENT PARTS LIST

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

INTEGRATED CIRCUITS		
DESIGNATION	DESCRIPTION	PART NO.
IC701	MCU, WT62P2 U-COM CHKSUM=2C11	2EUIC-MCUXXX00 086X0458-001
IC702	EEPROM 24LC08	2EUIC-24C08XX00
IC702 (D9400)	EEPROM CHKSUM=8E70	086X0456-001
IC702 (D9410)	EEPROM CHKSUM=9C50	086X0457-001
IC201	SCAN PROC	2EUIC-STV688900
IC301	VERTICAL IC	2EUIC-STV817200
IC501,901	KA3842B	2EUIC-KA3842B00
IC502	TLP421E/G21/MCT817	2EUIC-TLP721F00
IC503	REG, H431/KIA431, TO-92	2EUIC-TL431X00
IC504	AC SWITCH,STR83145	2EUIC-83145XXBK
IC505	REG, L7812A	2EUIC-LM78M12BK
IC801	VIDEO PRE-AMP	2EUIC-LM1269A00
IC802	OSD, NEB-24v2	2EUIC-OSD24V200

TRANSFORMERS		
DESIGNATION	DESCRIPTION	PART NO.
T201	DRIVER XFORMER	2ETDR-I191R5M02
T202	STEP-UP XFORMER	2ETPU-I19401U00
T203	XFORMER	2ETHS-L351R5M00
T204	XFORMER	2ETFB-I194R0M00
T205	XFORMER	2ETXF-I225R0M00
T501	XFORMER	2ETPW-E42901U00
T901	“FBT, XFORMER”	2EFBT-U171R3M90
T902	XFORMER	2ETHS-L394R0M00
L203 (D9400)	LIN COIL	2ELLC-D6F4R6U00
L203 (D9410)	LIN COIL	2ELLC-D6F8R0U00
L501,502	CHOKE COIL 150uH	2ELDC-T50151U00
L503	CHOKE LINE 16mH	2ELCC-B28160M00
L504	CHOKE LINE 25uH	2ELCK-D6A250U00

RESISTORS		
DESIGNATION	DESCRIPTION	PART NO.
R312,313	MOF, 2W, 3.3, J, MK	2ERMO-203300JMK
R315	WW, 2W, 0.51, J, MK	2ERWW-20R510JMK
R506	FUSIBLE, 1/4W, 3.3 OHM	2ERFU-043300JT5
R513	CE, 1/6W, 1K, J	2ERCF-061003JT5
R514	WW, NON-IND,2W, 0.18	2ERWN-20R180JMK
R515	CE, 1/6W, 33, J	2ERCF-063301JT5
R560,574	MOF, 1W, 120K, J, MK	2EROM-101205JMK
R901	WW, 2W, 0.33, J, MK	2ERWW-20R330JMK
R908	MOF, 2W, 0.22, J, MK	2ERMO-20R220JMK

VARIABLE POTENTIOMETERS		
DESIGNATION	DESCRIPTION	PART NO.

VR201,901	SVR, D6, 20K OHM	2ESVR-C1B203NB8
VR202	SVR, D6, 5K OHM	2ESVR-C1B502NB8
VR501	SVR, D6, 300 OHM	2ESVR-C1B301NB8

TRANSISTORS		
DESIGNATION	DESCRIPTION	PART NO.

Q207,901	NPN,2SC5387,1500V,10A	2EQTR-C5387XX00
Q216,217,218	IRFS654B, ISOLATED	2EMOS-IRF654IBK
Q206,903	IRFS634B, ISOLATED	2EMOS-IRF634IBK
Q501	2SK2746, 800V, 7A	2EMOS-K2746XXBK
Q514	NPN, HDS882P TO-126	2EQTR-D882PXX00
Q202,266,521,605,950	PNP,KTA733PTO-92	2EQTR-A733PXX00
Q203,210-212	NPN, KTC945P/KSC945C	2EQTR-C945PXX00
Q260-262,264,265	NPN, KTC945P/KSC945C	2EQTR-C945PXX00
Q302,303,306,520,602	NPN, KTC945P/KSC945C	2EQTR-C945PXX00
Q604,606,906,951,952	NPN, KTC945P/KSC945C	2EQTR-C945PXX00
Q801,811,821	NPN, HPH2369, TO-92	2EQTR-PH2369X00
Q802,812,822	NPN, HSC2682, TO-126ML	2EQTR-C2682XX00
Q803,813,823	NPN, HSD1609, TO-126ML	2EQTR-D1609XX00
Q804,814,824	NPN, HSB1109, TO-126	2EQTR-B1109XX00
Q805,815,825	PNP, HBF423, TO-92	2EQTR-BF423XX00

DIODES		
DESIGNATION	DESCRIPTION	PART NO.

D209,907	EPG30G, 3A, 400V	2EDSI-EGP30GXMK
D212,301,517	EGP20D, 2A, 200V	2EDSI-EGP30GXMK
D511,513	FUF5407, GLASS, DO-201	2EDSI-FUF5407BK
D515,516	31DF2, DO-27	2EDSI-31DF2XXMK
D533	1N4148, DO-35	2EDSI-1N4148XT5
D901	BY329X-1500S, ISOLATED	2EDSI-BY329X5BK
D902	1N5819/SR140, DO-41	2EDSI-SR140XXT5
D905,906	EGP10M, GLASS, DO-204AL	EDSI-EGP10MXT5
D512,904	UGP30K, GLASS, DO-201	2EDSI-UGP30KXMK
ZD501	ZENER, 1/2W, 5.1V	2EDZE-5005V1JT5
ZD601,901	ZENER, 1/2W, 20V	2EDZE-5020V0JT5

MISCELLANEOUS		
DESIGNATION	DESCRIPTION	PART NO.

F501	SL BLW,FUSE 3.15A,250VAC	2EFUS-SG2531U2B
X701	CRYSTAL 12MHZ	2EOSC-XTL012300
DB501	BRIDGE KBU605G	2EDSI-KBU605GBK