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## VDCDS Application Field Bulletin 004

(AFB 004)

**To:** Users/Resellers/Manual Subscribers

**Date:** 4/15/2008

**VDCDS Ref No.:** 03-270338-0nP and 03-270339-0nP

**VDCDS Model:** All Marquee Projector Series

**Subject:** Video Neck Board (VNB) Compatibility Chart

**Corrective Action:** See Installation Notes and Compatibility Chart

**Prelude:** Due to parts being obsolete, VDCDS has redesigned the Video Neck Board (VNB) used on all Marquee Series of Projectors. In addition, some circuit enhancements have been incorporated which may require recalibration of your display image settings.

There are two basic new designed VNBs;

1. The 81771 series of the VNB is a new designed card which is currently being shipped with all models.
2. The 03-270340-0nP Series of VNB is a Retrofit card which can be used in conjunction (mix or match) with the original 03-270338-0nP and 03-270339-0nP VNB cards.

### Important !

If your projector is originally equipped with the 81771 Series; the VNB used/replaced must be the same 81771 Series, unless all three (3) VNBs are replaced with the retrofit 03-270340 Series. You **cannot** mix the new series 81771 cards with either the original 03-270338 or 03-270339 Series or the retrofit 03-270340 Series cards.

### Procedure:

Both the projector model and serial numbers are located on the projector identification label. The projector model revision level is denoted by the first character in the serial number sequence, e.g.

Model: **38-P15298-08**

Serial Number: **G9518081234**

Based on the compatibility chart; this particular example was manufactured with the 81771 series VNB and uses the replacement part number 81771S02. However, the 03-270340-02P VNB can be used if *all three (3)* VNBs are replaced at the same time.

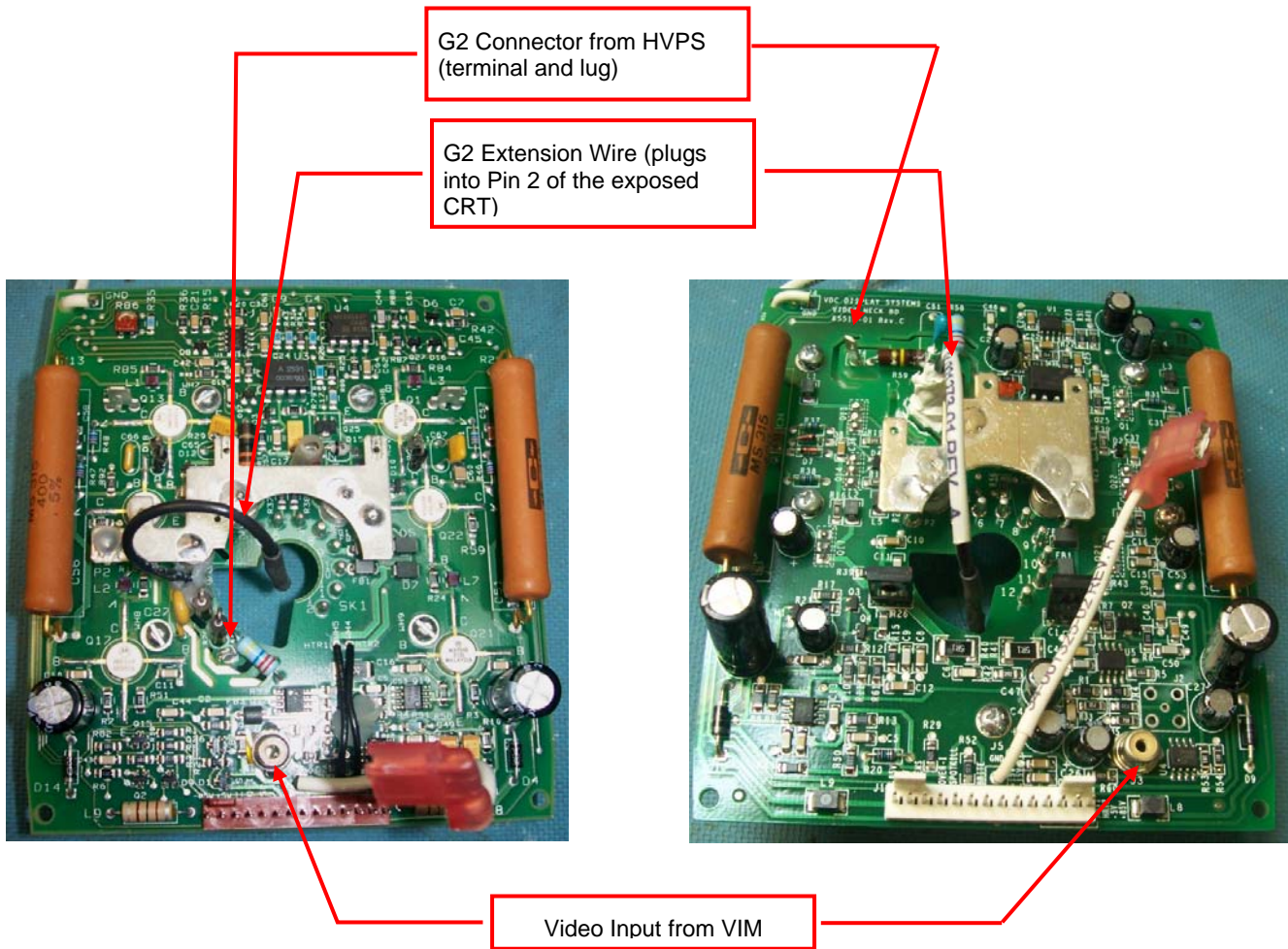
Please refer to the compatibility chart listed below for additional information. If your particular model is not listed, please contact VDCDS Technical Services for additional information.

**Installation Notes:**

- The component and connectors layout of the VNB has slightly changed from the original VNBs to the New and Retro-fit VNBs.
- Below is the highlight of layout difference between the earlier and retro-fit new design VNBs'
- With the new design VNB, some cable re-dressing of the G2 and Video input wires may be required
- VNB Layout/Connector Differences - 03-270338-01P/02P/03P and 03-270339-01P/04P

**Earlier Design**  
**03-270338-01P/02P/03P**  
**03-270339-01P**

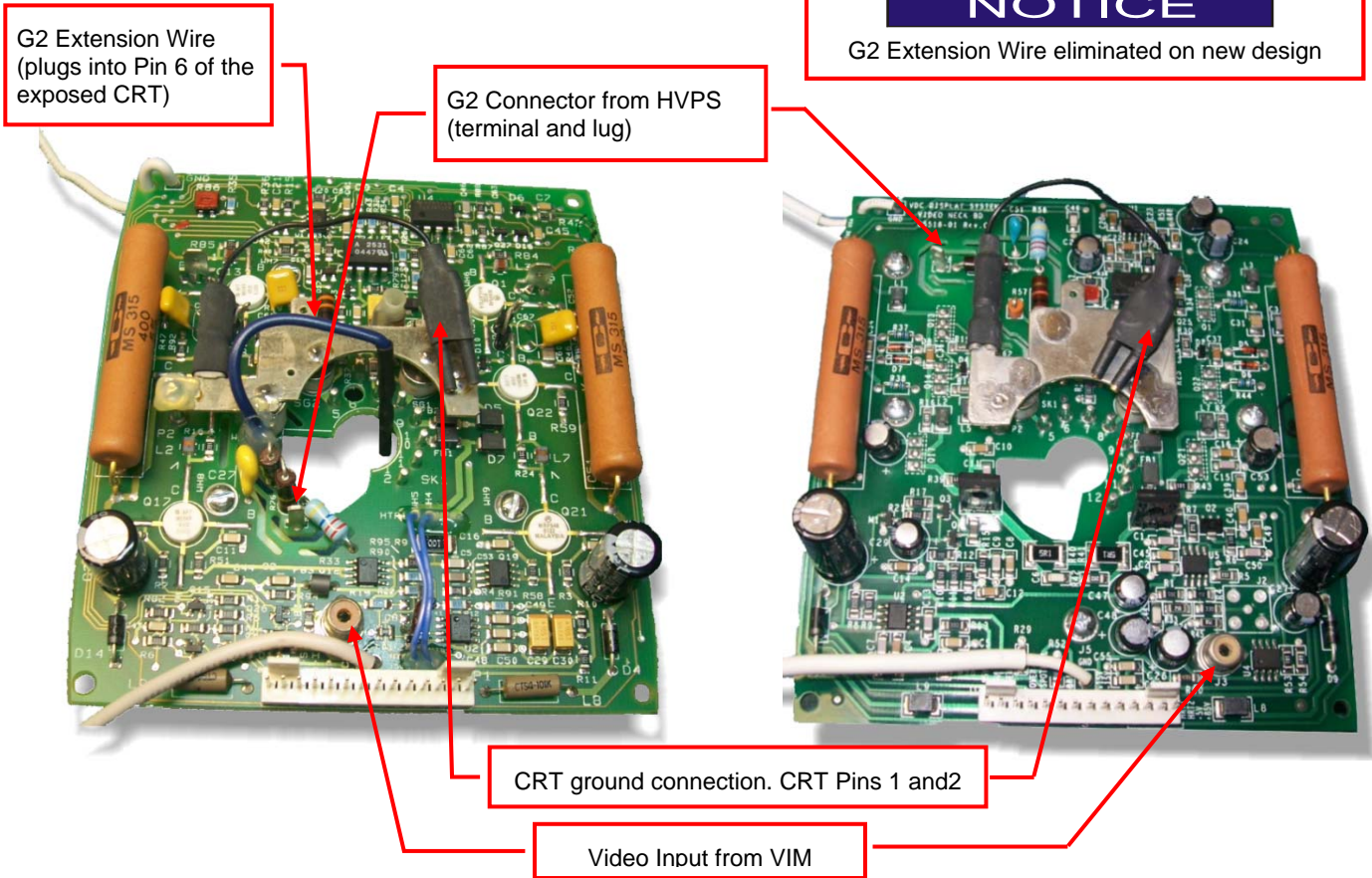
**New Design**  
**03-270340-01P /03-270340-04P**



- VNB Layout /Connector Differences - 03-270339-02P/03P and 03-270340-02P/03P

**Earlier Design**  
03-270339-02P/03-270339-03P

**New Design**  
03-270340-02P/03-270340-03P



**Setup/Re-adjustment Requirements; (New Design and Retro-fits)**

- As a result of a more stable black level clamp circuit and overall circuit response incorporated into the new design VNB; G2 and/or color temperature adjustments may be required.
  - Please refer to your particular User's or Service Manual for additional information on setting the G2 and image quality adjustments



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**Table 1. Replacement VNB Cross Reference**

VIDEO NECK BOARD (VNB) Replacement Cross Reference		Replacement VNB			
Model	Model Description	Model Rev Level	Replacement P/N	Model Rev Level	Retrofit Replacement P/N
38-P06595-01	9500LC DOME GT26	G and Higher	81771S01	F and Lower	03-270340-01P
38-P06595-02	9500LC DOME 30-67	G and Higher	81771S01	F and Lower	03-270340-01P
38-P06595-03	9500LC DOME 10R-5	G and Higher	81771S01	F and Lower	03-270340-01P
38-P06595-04	9500LC DOME 10R-10	G and Higher	81771S01	F and Lower	03-270340-01P
38-P06595-NL	9500LC DOME NO LENS	G and Higher	81771S01	F and Lower	03-270340-01P
38-P11075-02	8110, NO LENS	C and Higher	81771S01	B and Lower	03-270340-01P
38-P11075-95	8110	F and Higher	81771S01	E and Lower	03-270340-01P
38-P11075-NL	8110 NO LENS	C and Higher	81771S01	B and Lower	03-270340-01P
38-P11075-ST	8110 P43	F and Higher	81771S01	E and Lower	03-270340-01P
38-P15206-01	9500EX, NO LENS	B and Higher	81771S01	A and Lower	03-270340-01P
38-P15285-01	8500 HDM+	C and Higher	81771S01	B and Lower	03-270340-01P
38-P15285-02	8500 HD145	C and Higher	81771S01	B and Lower	03-270340-01P
38-P15285-98	8500 ULTRA	H and Higher	81771S01	G and Lower	03-270340-01P
38-P15285-DM	8500 DOME	G and Higher	81771S01	F and Lower	03-270340-01P
38-P15285-GM	8500 ULTRA GRN	H and Higher	81771S01	G and Lower	03-270340-01P
38-P15285-HR	8500 HI-RES	H and Higher	81771S01	G and Lower	03-270340-01P
38-P15285-LB	8500 ULTRA LB	H and Higher	81771S01	G and Lower	03-270340-01P
38-P15285-LBH	8500LB HI-RES	B and Higher	81771S01	C and Lower	03-270340-01P
38-P15285-MX	8500 MADRIGAL BASE	B and Higher	81771S01	A and Lower	03-270340-01P
38-P15285-ST	8500 ULTRA P43	H and Higher	81771S01	G and Lower	03-270340-01P
38-P15297-03	9500LC FLOLS	E and Higher	81771S02	D and Lower	03-270340-02P
38-P15297-98	9500LC W/HD10L	H and Higher	81771S01	G and Lower	03-270340-01P
38-P15297-ST	9500LC HD10L&P43	H and Higher	81771S01	G and Lower	03-270340-01P
38-P15298-01	9500LC W/GT-17	H and Higher	81771S01	G and Lower	03-270340-01P
38-P15298-03	9500LC W/HD10E	G and Higher	81771S01	F and Lower	03-270340-01P
38-P15298-04	9500LC DOME	G and Higher	81771S01	F and Lower	03-270340-01P
38-P15298-05	9500LC, BLK, HD10E,P43	G and Higher	81771S01	F and Lower	03-270340-01P
38-P15298-06	9500LC W/GT30-67	H and Higher	81771S01	G and Lower	03-270340-01P
38-P15298-07	9500LC 10E&P43	F and Higher	81771S01	E and Lower	03-270340-01P



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VIDEO NECK BOARD (VNB) Replacement Cross Reference		Replacement VNB			
Model	Model Description	Model Rev Level	Replacement P/N	Model Rev Level	Retrofit Replacement P/N
38-P15298-08	9500LC SIM HD10L	G and Higher	81771S02	F and Lower	03-270340-02P
38-P15298-09	9500LC SIM FLOLS	F and Higher	81771S02	E and Lower	03-270340-02P
38-P15298-10	9500LC SIM HD-10L	B and Higher	81771S02	A and Lower	03-270340-02P
38-P15298-11	9500LC W/RED C	B and Higher	81771S01	A and Lower	03-270340-01P
38-P15298-12	9500LC RED C NO LENS	B and Higher	81771S01	A and Lower	03-270340-01P
38-P15298-13	9500LC P43 NO LENS	B and Higher	81771S01	A and Lower	03-270340-01P
38-P15298-14	9500LC HD10L RED C	B and Higher	81771S01	A and Lower	03-270340-01P
38-P15298-15	9500LC SIM W/N-S GEO	B and Higher	81771S02	A and Lower	03-270340-02P
38-P15298-16	9500LC SIM ULTRA W/HD10-2R, W/N-S GEOM	A and Higher	81771S02	X and Lower	03-270340-02P
38-P15298-17	9500LC ULTRA W/HD10-5R	B and Higher	81771S01	A and Lower	03-270340-01P
38-P15298-18	9500LC SIM ULTRA W/HD10-5R <KEY	B and Higher	81771S02	A and Lower	03-270340-02P
38-P15298-19	9500LC SIM ULTRA W/HD10E	B and Higher	81771S02	A and Lower	03-270340-02P
38-P15298-NL	9500LC NO LENS	G and Higher	81771S01	F and Lower	03-270340-01P
38-P15298-ST	9500LC GT17&P43	H and Higher	81771S01	G and Lower	03-270340-01P
38-P152LC-01	8500LC W/P43,HD10	F and Higher	81771S01	E and Lower	03-270340-01P
38-P152LC-02	8500LC W/GT26	D and Higher	81771S01	C and Lower	03-270340-01P
38-P152LC-03	8500LC W/GT30-67	D and Higher	81771S01	C and Lower	03-270340-01P
38-P152LC-04	8500LC RUGGEDIZED	C and Higher	81771S01	B and Lower	03-270340-01P
38-P152LC-05	8500LC W/HD10E	C and Higher	81771S01	B and Lower	03-270340-01P
38-P152LC-98	8500LC	H and Higher	81771S01	G and Lower	03-270340-01P
38-P152LC-ST	8500LC W/P43	H and Higher	81771S01	G and Lower	03-270340-01P
65869-09	8510, HI-RES	B and Higher	81771S01	A and Lower	03-270340-01P
69865-00	8510	F and Higher	81771S01	E and Lower	03-270340-01P
69865-08	8510 RETRO	F and Higher	81771S01	E and Lower	03-270340-01P
69869-11	9520V, 15', LH	F and Higher	81771S03	E and Lower	03-270340-03P
69869-12	9520V, 6', LH	F and Higher	81771S03	E and Lower	03-270340-03P
69869-13	9520V, 15', RH	F and Higher	81771S03	E and Lower	03-270340-03P
69869-14	9520V, 6', RH	E and Higher	81771S03	D and Lower	03-270340-03P
69869-15	9520P, 15', LH	E and Higher	81771S03	D and Lower	03-270340-03P
69869-16	9520P, 6', LH	E and Higher	81771S03	D and Lower	03-270340-03P



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Model	Model Description	Model Rev Level	Replacement P/N	Model Rev Level	Retrofit Replacement P/N
69869-17	9520P, 15', RH	E and Higher	81771S03	D and Lower	03-270340-03P
69869-18	9520P, 6', RH	E and Higher	81771S03	D and Lower	03-270340-03P
69869-20	9520V, STD, 6', LH	B and Higher	81771S04	A and Lower	03-270340-04P
69895-01	9520VEX, STD, 15', LH	B and Higher	81771S04	A and Lower	03-270340-04P
69895-02	9520VEX, STD, 15', RH	B and Higher	81771S04	A and Lower	03-270340-04P
69895-03	9520VEX, STD, 6', LH	B and Higher	81771S04	A and Lower	03-270340-04P
69895-04	9520VEX, STD, 6', RH	B and Higher	81771S04	A and Lower	03-270340-04P
69895-05	9520PEX, STD, 15', LH	B and Higher	81771S04	A and Lower	03-270340-04P
69895-06	9520PEX, STD, 15', RH	B and Higher	81771S04	A and Lower	03-270340-04P
69895-07	9520PEX, STD, 6', LH	B and Higher	81771S04	A and Lower	03-270340-04P
69895-08	9520PEX, STD, 6', RH	B and Higher	81771S04	A and Lower	03-270340-04P
69895-09	9520VEX, 15', LH, TURNSTONE	B and Higher	81771S04	A and Lower	03-270340-04P
81723-01	8520 HEAD ASSY	D and Higher	81771S01	C and Lower	03-270340-01P
81735-01	8521HEAD ASSY	B and Higher	81771S01	A and Lower	03-270340-01P
81757-01	9520V HEAD ASSY	D and Higher	81771S03	C and Lower	03-270340-03P
81757-03	9520P LH, HEAD ASSY	D and Higher	81771S03	C and Lower	03-270340-03P
81757-04	9520P RH, HEAD ASSY	E and Higher	81771S03	D and Lower	03-270340-03P
81757-08	9520VEX, HEAD ASSY	A and Higher	81771S04	X	03-270340-04P
81757-09	9520PEX, LH, HEAD ASSY	A and Higher	81771S04	X	03-270340-04P
81757-10	9520PEX, RH, HEAD ASSY	A and Higher	81771S04	X	03-270340-04P
81757-11	9520VEX, HEAD ASSY	A and Higher	81771S04	X	03-270340-04P
81757-12	9520V, HEAD STD	A and Higher	81771S04	X	03-270340-04P