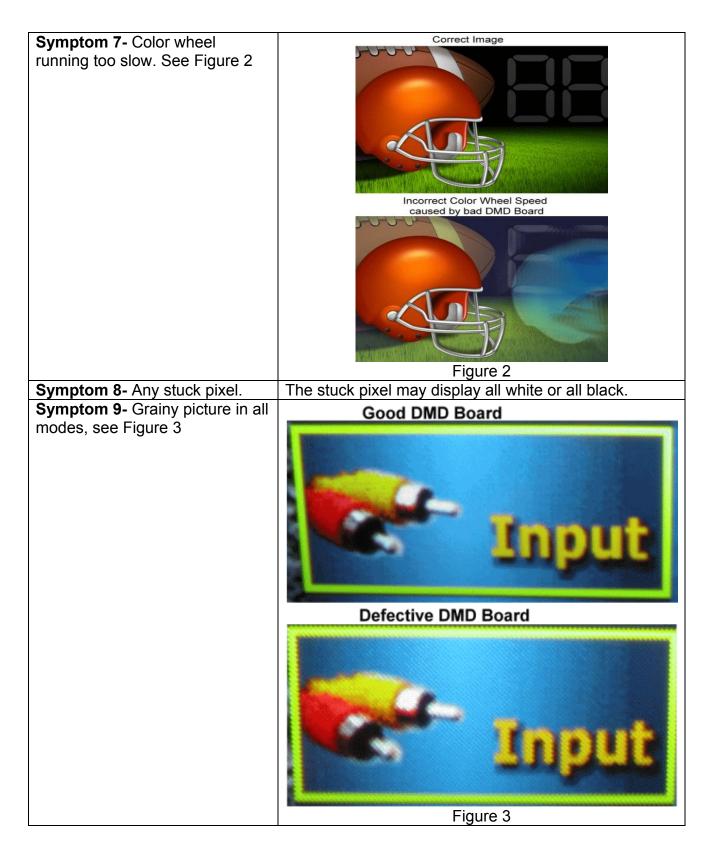


SERVICE TIP		
PRODUCT: DL	Р	
TIP NUMBER:	ASC20040901001	
TIP DATE:	09/01/2004	
MODELS:	HLP4663	
	HLP5063	
	HLP5663	
	HLP6163	
Chassis:	L62B Chassis	

SUBJECT: Symptoms associated with DMD Board failure

SYMPTOM: A defective DMD Board can cause any of the symptoms listed below.

Symptom 1- When unit is turned on picture will have vertical lines across the entire screen. These lines can be black or white. See Figure 1 Figure 1 Monitor CN107 pin 3 on the DMD Board for 4vpp. This **Symptom 2-** Unit will cycle three times and then go into shuts is the ballast drive signal down, All three LED's blink. Symptom 3 - Video lockup DMD Board is loading down the control bus either immediate or intermittent DMD Board is loading down the control bus Symptom 4- Audio OK, but no video and/or control functions Symptom 5- Unable to turn the DMD Board is loading down the control bus unit off or no control of functions. The unit must be unplugged and plugged in again to power up the Symptom 6- After initial turn on DMD Board is loading down the control bus immediate shutdown.



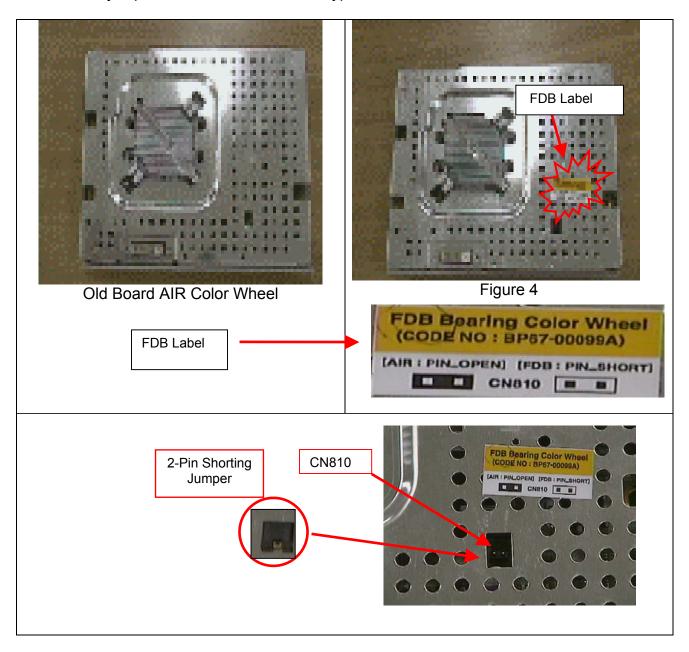
Background: Defective soldering on the DMD Board, Control IC DDP 1011, causes most of these symptoms. The DDP1011 IC is a BGA (Ball Gate Array) type IC and is not repairable in the field.

This information is published for experienced repair technicians only and is not intended for use by the public. It does not contain warnings to advise non-technical individuals of possible dangers in attempting to service a product. Only experienced professional technicians should repair products powered by electricity. Any attempt to service or repair the product or products dealt with in this information by anyone else could result in serious injury or death. Information provided in this bulletin is subject to change or update without notice.

REPAIR: Replace the DMD board and perform the tilt adjustment.

Part Used	Part Number
DMD BOARD	BP96-00678A

Note: There are 2 different DMD boards in production. Older sets used the AIR type color wheel and newer sets use the FDB Color wheel. FDB Boards include a small jumper on the DMD Board along with a label shown in Figure 4. Older Units with the AIR bearing color wheel do not include this jumper. The new type board will have the jumper installed; remove the jumper if the unit uses the AIR type color wheel.



<u>Note:</u> Consult the Samsung Service Website at (<u>www.samsungasc.com</u>) for the Service Manual and other information on this product.

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