

SUBSYSTEM	CCTV	SHUTTLE CCTV FAILURE MODE & EFFECTS ANALYSIS	PREPARED BY	Ted Swirha
UNIT	VM (TV MONITOR)		DATE	8-22-86
ASSY. DNG.	2291585-502/503		REVISED	8/10/87
QUANTITY/LOCATION	Two/AFT CONSOLE IN CREW CABIN			

FUNCTION: To provide viewable video in cabin for crew to verify picture quality, scene, payload and RMS operations, VIR record and playback, and to display various types of camera data.

ITEM	FAILURE MODE	FAILURE CAUSE	FAILURE EFFECT ON END ITEM	FAILURE DETECT FLIGHT/GROUND	CORRECT ACTION TIME AVAIL/REQ	CRIT'Y	HAZARDS/REMARKS
7.1.9	Horizontal lines normal brightness and contrast	Change in horizontal sweep frequency A3 00	No viewable video, but does not affect output to VIR	Visual, all failure detection: is in flight. There is no direct detection	Switch to other VM	3/1R	
			Worst Case: Loss of display of aft bulkhead cameras' video required to verify PLB door aft bulkhead latches are closed.	means on the ground. Indirect means could be: 1. Conversation with crew 2. Point cabin TIC at monitor			