

SUBSYSTEM CCTV
 UNIT TWO (TV MONITOR)
 ASSY. DWG. 2291585-502/503
 QUANTITY/LOCATION TWO/NET CONSOLE IN CREW CABIN

SHUTTLE CCTV FAILURE MODE
& EFFECTS ANALYSIS

PREPARED BY Ted Sowirka
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FUNCTION: To provide viewable video in cabin for crew to verify picture quality, scene, payload and RMS operations, VTR 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
7.1.12	Screen dim video visible	Loose picture tube AG Assy.	Difficult to discern some picture content. Does not affect output to VTR	Visual, all failure detection: is in flight. There is no direct detection: means on the ground. Indirect: means could be:	May require darkening of the cabin or switch to other TDM.	3/10	
			Worst Case: Loss of display of aft bulkhead cameras' video required to verify PLO door aft bulkhead latches are closed.	1. Conversation with crew 2. Point cabin TYC at monitor:			

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 ATTACHMENT -
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