

SUBSYSTEM	CCTV	:		:	PREPARED BY	Ted Szwirka
UNIT	VM (TV MONITOR)	:		:	DATE	8-22-86
ASSY. DWG.	2291585-502/503	:		:	REVISED	8/10/87
QUANTITY/LOCATION	1180/AFT CONSOLE IN CREW CABIN	:		:		

SHUTTLE CCTV FAILURE MODE
& EFFECTS ANALYSIS

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
2.1.10	Normal picture : fault light on : 1. Overheating : 2. Overcurrent	1. Overheating due to : blocked filters : 2. Overcurrent on 25V : line : A4 B0	Usable until : total failure : <u>Worst Case:</u> : Loss of display : of aft bulkhead : cameras' video : required to : verify PLB door : aft bulkhead : latches are : closed.	Visual, all : failure detection: : is in flight. : There is no : direct detection: : means on the : ground. Indirect: : means could be: : 1. Conversation : with crew : 2. Point cabin : TVC at monitor:	Switch to : other VM	3/IR	

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ATTACHMENT -
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