

SUBSYSTEM	CCTV			PREPARED BY	W. Kravitz
UNIT	TVC/MLA		SHUTTLE CCTV FAILURE MODE	DATE	8-19-86
ASSY. DWG.	2294819-506, 508/2307000-501		& EFFECTS ANALYSIS	REVISED	7-17-87
QUANTITY/LOCATION	1/MULTIPLE (CARGO BAY STACK)				

FUNCTION The lens assembly will respond to commands received from the TVC and provide control to the motion functions of zoom, focus, and iris.

ITEM	FAILURE MODE	FAILURE CAUSE	FAILURE EFFECT ON END ITEM	FAILURE DETECT FLIGHT/GROUND	CORRECT ACTION TIME AVAIL/REQ	CRIT'Y	HAZARDS/REMARKS
2.3.6.1	Lens motion functions of zoom, focus, and iris, do not respond to commands. (Electrical failure)	MLA A1 Stepper Motor Drive. A2 Power Supply. Command Receivers.	Inability to control focus, zoom, or iris.  Worst Case: Loss of mission critical video.	F/LT/GRD (B) Picture on TVM; does not change in response to a lens motion command.	None if failure is: the zoom or focus function. Should the iris function: fall in the auto-matic mode a manual iris command should be issued to determine if control may be restored in the manual configuration.	2/2	
			Worst Case (if video is not mission critical, for B & C cameras only): Unable to verify P/D door aft bulkhead latches are closed.	Same as above	None. (Usage of EVA tools is available.)	3/1R	