

SUBSYSTEM	CCIV	SHUTTLE CCIV FAILURE MODE & EFFECTS ANALYSIS	PREPARED BY	M. Kravitz
UNIT	TVC/MLA		DATE	8-19-86
ASSY. DWG.	2294819-506, 508/2294820-502		REVISED	7-17-81
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
2.1.8.2	loss of Iris function (Mechanical)	MLA Motor Failure. Gear Train Failure.	inability to control focus, zoom, or iris.	FLY/GRD (I) 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 fail in the automatic mode a manual iris command should be issued to determine if control may be restored in the manual configuration	2/2	
	loss of Zoom function (Mechanical)	Lens Failure.					
	loss of Focus function (Mechanical)						
			Worst Case (if video is not collision critical): for B & C cameras only: Unable to verify P11 door all bulkhead latches are closed.	Same as above	None. (Usage of EVA tools is available.)	3/18	

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 ATTACHMENT -
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