

SUBSYSTEM CCTV
 UNIT TVC/CLA
 ASSY. OWNG. 2294819-506, 508/2294821-503
 QUANTITY/LOCATION 1/MULTIPLE (CARGO BAY STACK)

SHUTTLE CCTV FAILURE MODE
& EFFECTS ANALYSIS

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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
2.2.6.4	Iris limit switch fails shorted.	CLA Switch Failure.	Unable to control the opening of the lens iris. :Worst Case: :Loss of mission critical video.	FLT/GRD Picture on TVM appears washed-out (insufficient signal) and noisy.	None.	2/2	
			Worst Case (if video is not mission critical, for B & C cameras only): Unable to verify PLB door aft bulkhead latches are closed.	Same as above	None. (Usage of EVA tools is available.)	3/1R	