

SUBSYSTEM CCTV
 UNIT TVC/CLA
 ASSY. DWG. 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	HAZARUS/REMARKS
2.2.6.2	:Loss of Iris Function :(Mechanical)	: <u>CLA</u> :Motor Failure. :Gear Train Failure.	:Inability to con- :trol focus, zoom, :or iris.	: <u>FLT/GRD</u>	:None if failure is :({1) Picture on TVH: :does not change In: :response to a lens: :motion command.	:2/2	
	:Loss of Zoom Function :(Mechanical)	:Lens Failure.	: <u>Worst Case:</u> :Loss of camera.		:fall in the auto- :matic mode a man- :ual iris command :should be issued :to determine if :control may be :restored in the :manual configura- :tion		
	:Loss of Focus Function :(Mechanical)						
			: <u>Worst Case</u> (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	