

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	HAZARDS/REMARKS
2.2.6.1	Lens motion functions of zoom, focus, and iris, do not respond to commands. (Electrical failure)	:CLA :A1 Stepper Motor Drive. :A2 Power Supply. :Command Receivers.	:Inability to con- :trol focus, zoom, :or iris. :Worst Case: :Loss of Camera.	:FLT/GRD :([1] 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 man- :ual iris command :should be issued :to determine if :control may be :restored in the :manual configu- :ration.	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	