

SUBSYSTEM CCTV
UNIT TTC/MLA
ASSY. DWG. 2294B19-506, 508/2307080-503
QUANTITY/LOCATION 1/MULTIPLE (CARGO BAY STACK)

**SIMPLE CCTV FAILURE MODE
& EFFECTS ANALYSIS**

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FUNCTION The lens assembly will respond to commands received from the TTC 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'TY	HAZARDS/REMARKS
2.3.6.2	Loss of Iris function (Mechanical)	MLA Motor Failure.	Inability to control focus, zoom, or iris.	FLY/GRD (1) Picture on IWM 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 auto-matic 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.	Worst Case: Loss of mission critical video.	Same as above	None.	3/18	
	Loss of Focus function (Mechanical)		Worst Case (if video is not mission critical): for O & C cameras only: Unable to verify PLB door aft bulkhead patches are closed.	Same as above	(Usage of EVA tools is available.)		

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ATTACHMENT
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