

SUBSYSTEM CCTV : : PREPARED BY H. Krautz  
 UNIT Pan/Tilt Unit (PTU) : : SHUTTLE CCTV FAILURE MODE : : DATE 8-20-86  
 ASSY. DWG. 2294822-502, 503, 504 : : & EFFECTS ANALYSIS : : REVISED 2-17-87  
 QUANTITY/LOCATION 1/MULTIPLE (CARGO BAY STACK) : : : :

FUNCTION: The PTU will move in the Pan right or left direction in response to a command.

ITEM	FAILURE MODE	FAILURE CAUSE	FAILURE EFFECT ON EMB ERM	FAILURE DETECT FLIGHT/GROUND	CORRECT ACTION TIME AVAIL/REQ	CRIT	HAZARDS/REMARKS
2.4.1.1	Loss of Pan right or left electrical function.	PTU A1 Pan Stepper Drive A2 Power Supply. Command/Clock Receivers.	Loss of travel in the pan right or left direction.	FLI- (1) Scene information from camera mounted on PTU, as observed on TVM, appears stationary in response to pan commands. (2) May observe clock of movement of PTU through the crew cabin window. (3) May use TVM in conjunction with another camera to observe suspect PTU.	None	2/2	
			Worst Case (1) video is not mission critical, for B & C cameras only: Unable to verify PIB door call bulkhead latches are closed.	Same as above	None. (Usage of EVA tools is available.)	3/IR	

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 ATTACHMENT -  
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