

FMEA  
FAILURE MODE, EFFECT ANALYSIS

ASSEMBLY NAME/PART NUMBER: PAYLOAD RETENTION STRAP/10159-10075-01

Reference: PRSFMEA]

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NAME P/N QUANTITY	FUNCTION	FAILURE MODE & CAUSES	MISSION PHASE	FAILURE EFFECT	FAILURE DETECTION FLIGHT/GROUND	CORRECTIVE ACTION	CRET	REMARKS/ HAZARD
Hook And Clevis Assy. 10159- 10056-01 Two	Provides method of attaching PRS to itself while holding payload in place.	S.2FHW2 Loss Of Hook Pin Or Clevis Pin  CAUSE: Defective thread lock ad- hesive or material.	EVA	END ITEM: Hook is free to swivel on Clevis Assembly.  GFE INTERFACE: None with first or second failure. Unable to secure one PRS to payload with loss of PRD.  MISSION: N/A	FLIGHT: Yes, Visual  GROUND: None	If hook is lost, Clevis Assy. can be completely passed through hook loop and folded over to temporary secure PRS. Use Payload Retention Device to secure PRS to payload.  TIME TO EFFECT:  Immediately  TIME TO CORRECT: Minutes	J/R  A - Pass B - Pass C - Pass	The redundant paths are the second pin and the PRD.