

NAME P/N QTY	FUNCTION	FAILURE MODE & CAUSES	MISSION PHASE	FAILURE EFFECT	FAILURE DETECTION FLIGHT/GROUND	TIME TO EFFECT/ ACTIONS	CRIT	REMARKS/ HAZARD	REF
VALVE PILOT ACTUATED, ITEM 125 SU769400-3 (1)	Isolates coolant loop and vent circuit when water separator is not operating. Valve opens when separator water pressure increases above 5.0 psid and closes when pressure drops below 2.0 psid. Valve must be overridden open when charging a dry EMU.	125FMD1A: Internal leakage, fails to close (fan on). CAUSE: Seat contamination, spring fractures, plunger sticks, housing seal bypass leakage.	PREEVA EVA	END ITEM: Continuous water flow through valve seat. Valve is normally open when fan/pump/separator is operating. GFE INTERFACE: None for single failure. If the water separator stopped, the reservoir water supply would backflow, flooding the vent circuit. MISSION: None for single failure. Terminate EVA for double failure of 125 internal leak and 123 water separator pilot clogging due to helmet fogging. CREW/VEHICLE: None for single or double failure. Possible loss of crewman with loss of SOP.	FLIGHT: No. GROUND: Yes. FEMU-R-001, Para. 7.3.3.2.1.1. 2, Water Servicing, Leakage and Gas Removal.	None. TIME AVAILABLE: N/A TIME REQUIRED: N/A	3/IR A-PASS B-N/A C-PASS	Redundant path is Item 123 and SOP. This component is standby redundant to the Item 123. The "B" screen does not apply.	