

ASSY NOMENCLATURE: SILVER-ZINC BATTERY CHANGER

Page 1 of 1

FUNCTION	FMEA			FAILURE	A334 P/M: FAILURE	
	AEF	REV	СЯІТ	MODE AND CAUSE	EFFECT	RATIONALE FOR ACCEPTANCE
Charges Silver-Zinc Battery using 28V Orbiter Power Supply	FM4	N/C	B·N/A C·N/A	MODE: Output Current below 1.55 amps. CAUSES: Failure of DC power supply. Failure of Electronic Components Electrical Short or Open Circuit	GFE Interface May not display a charged indication LED	Power conversion assembly is optimized to produce efficiency above 80% combined with conduction cooling. This results in low device operating temperature. Switching transistors rectifier diodes are operated at less than 7% of current rating. Established reliability parts a employed in all power conversion circuitry. 2. <u>TEST</u> Output of 1.55 amps is verified during inprocess testing during the assembly of the SZBC. Postcordance with Document # P528/ATP 01001 and PIA in accordance with Document # P528 - Certified in accordance with Document # P528 - Certified in accordance with Document # P528 - CERT 01001, Para 4 2 3.6. 3. <u>INSPECTION</u> PDA in accordance with Document # P528/ATP 01001 and PIA in accordance with Document P528/PIA 01001 test results are verified by Quality Assurance. 4. <u>FAILURE HISTORY</u> This is a new item. There is no failure history to date

DATE: 3/16/92 REVISION: BASIC

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