

B-2.6

AREA	NAME, QTY AND DRAWING NO. OR DESCRIPTION	DATE	FAILURE MODE AND CAUSE	FAILURE EFFECTS ON THE ITEM	REPAIRS FOR ACCEPTANCE
5.2	DISPOSABLE URINE COLLECTION DEVICE (DUK) (10900-10000-01)	7/78	<p>Failure Mode: Cuff separating from crewman</p> <p>Cause: Cuff not sized to body assembly Harness strap separation</p>	Or the leakage into the or DUC becomes inoperative	<p>1) Design:</p> <ol style="list-style-type: none"> Roll-on cuffs are furnished in four sizes of which the crewman selects one. Elastic straps with velcro adjustable fasteners provide the strength and adjustability in the harness to secure the DUC to the crewman. Adjustment and fastening of the harness straps are made by the crewman when donning the DUC. <p>2) Test:</p> <ol style="list-style-type: none"> Acceptance - A visual inspection, including size verification of the roll-on cuff is performed at PIA after the cuff is installed. - The harness is visually inspected at PIA and PIA. Certification The DUC was certified by analysis based on review of drawing 10900-10000-01. Turnaround Used DUC's are disposed of. Unused DUC's are visually inspected at PIA. <p>3) Inspection:</p> <ol style="list-style-type: none"> Manufacturing - N/A Turnaround Visual inspection performed at PIA to ensure correct size cuff is installed and harness is undamaged prior to each mission. <p>4) Features - None</p> <p>5) Operational Use</p> <ol style="list-style-type: none"> Operational Effects of Failure Termination of EVA (abort) may be necessary. Crew Action Determine extent of problem; continue EVA or return to orbit. Crew Training DUC donning should be rehearsed by crewman. Mission Constraints - None In-Flight Checkout The crewman must ensure that roll-on cuff and harness attachment is secure when donning the DUC.