

IL
CRITICAL ITEMS LIST

ASSEMBLY NAME/PART NUMBER: CABLE CUTTER ASSY/10159-1A03A-02
 Reference: CIL CC
 Prepared By: C. Hartman
 Approved By: H. Milroy
 Superseding Date: 11/80
 Date: 1/89 Rev: A

NAME P/N QUANTITY	CRIT	FAILURE MODE & CAUSES	FAILURE EFFECT	RATIONALE FOR ACCEPTANCE
Cable Cutter 10159-1A03A 1-02, Item 5.2 IDao	2/18	5.2FMO2 Physical jamming or bending of cutting jaws. CAUSE: Contamination or foreign material in pin shafts, retainer pins or drive levers.	END ITEM: Cutting jaws unable to open or close. OPE INTERFACE: Cable must be cut using back- up Cable Cutter. MISSION: Additional time required to complete task. CREW/VEHICLE: Possible loss of crew/vehicle with loss of back-up cable cutter.	A. DESIGN: Tight tolerances and close fit between pin shafts, pin retainers, drive levers and cutting blades reduce the possibility of foreign material entering the cutting jaw assembly. The Cable Cutter has a OE level cleanliness requirement which is further protected from contamination. B. TEST: Component Acceptance Test - None PBA Test - The following tests are conducted at the Cable Cutter assembly level in accordance with ILC Document 10107-70697a 1.. Functional test to verify jaws are capable of opening and closing properly.

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ASSEMBLY NAME/PART NUMBER: CABLE CUTTER ASBY/10159-10056-02
 Reference: CIL_EC
 Prepared By: C. Hartman Approved By: H. Withey
 Superseding Date: 11/88 Date: 1/88 Rev: 6

NAME P/N	QTY	FAILURE MODE & CAUSES	FAILURE EFFECT	RATIONALE FOR ACCEPTANCE
Cable Cutter 10159-10056 1-02, Item 5.2 1000	2/IR	5.2FH03 Physical jamming or binding of cutting jaws.		<p>Certification Test - The Cable Cutter was certified for worst case PSA Storage temperature range of -200 degrees F to +350 degrees F. It was functionally tested to demonstrate ability to cut wire bundles at -200 degrees F to +350 degrees F and exhibited no evidence of binding or jamming.</p> <p>C. INSPECTIONS: Components and material manufactured to ILC requirements at an approved supplier are documented from procurement through shipping by the supplier. ILC incoming receiving inspection verifies that the materials received are as identified in the procurement documents, that no damage has occurred during shipment and that supplier certification has been received which provides traceability information.</p> <p>The following RIP's are performed during the Cable Cutter's manufacturing process to assure the failure causes are precluded from the fabricated item:</p> <ol style="list-style-type: none"> 1. Verification of cleanliness to VC level. 2. Verification of proper lubrication. <p>During PM, the following inspection points are performed at the Cable Cutters Assembly level in accordance with ILC Document 10167-70492:</p>

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ASSEMBLY NAME/PART NUMBER: CABLE CUTTER ASSY/10039-10036-02
 Reference: EIL CC
 Prepared By: C. Hartman Approved By: G. Mithay
 Superseding Date: 11/00 Date: 1/89 Rev: 0

1	NAME	QTY	FAILURE MODE & CAUSES	FAILURE EFFECT	RATIONALE FOR ACCEPTANCE
1	Cable Cutter 10039-10036 1-02, Item 3.2 1000	2/10	3.2FM02 Physical jamming or binding of cutting jaws.		1. Verification of proper operation. 2. Verification of cleanliness to VC level. 3. FAILURE HISTORY: None 4. GROUND TURNAROUND: During ground turnaround, in accordance with ILC Document 10107-70712, the Cable Cutter is disassembled, cleaned, lubricated, reassembled and tested for proper operation. It is then cleaned to VC level. 5. OPERATIONAL USE: 1. Crew Response PIG/POST EVA - N/A EVA - Cut cables using back-up Cable Cutters stored in PMA or attempt to manually disconnect. 2. Training Crew briefing. 3. Operational Considerations Task may require additional time.