

MIL-C-81590(AS)  
Amendment - 3  
22 November 1974

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Superseding  
Amendment 2  
20 September 1971

## MILITARY SPECIFICATION

COCKPIT CANOPY SYSTEM, FIXED WING SINGLE  
AND MULTI-PLACE, FIGHTER, ATTACK, AND  
TRAINER AIRCRAFT, GENERAL SPECIFICATION FOR

This amendment forms part of Military Specification MIL-C-81590(AS), dated 12 August 1968, and has been approved by the Naval Air Systems Command, Department of the Navy.

Paragraph 2.1: Under "Specifications Military", insert after "MIL-A-8867"

"MIL-E-9426 - Escape System Testing, Ejection Seat Type,  
Ground and Flight Performance Tests,  
General Specification for"

Under STANDARDS Military, insert after "MIL-STD-850"

"MIL-STD-882 - System Safety Program for Systems and  
Associated Subsystems and Equipment,  
Requirements for"

Paragraph 3.5.1.8.6 - 4th line, delete - "ED-592B", insert "ED-5928"

Paragraph 3.6.3.2 - Delete in entirety and substitute the following:

"External emergency canopy releases shall be provided on both the left and right sides of the airplane. Controls shall be located to be accessible following a gear-up crash landing, as well as with the airplane in the normal static position. In addition, the controls shall be located at a height not greater than seven (7) feet above ground level with the airplane in normal static landing configuration at a weight equal to airplane basic weight plus ten (10) percent internal fuel. Airplane basic weight is actual weight empty plus trapped fuel and oil and all fixed armament and equipment for normal operation."

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Paragraph 3.7.3 - 3rd line delete: "Warning or safety stop provisions shall be . . . . between the canopy and its mating structure."

Add new sub-paragraph - "3.7.3.1 Personnel Safety. Warning, safety stop provisions or other positive safety device applications, singly or in combination, shall be incorporated into power actuated canopy systems to preclude injury to personnel from entrapment between the canopy and its mating structure."

Add new paragraph - "3.12 System Safety. System Safety Engineering in accordance with MIL-STD-882 requirements shall be applied throughout the canopy system design phase to ensure the timely identifications of hazards and the initiation of those actions necessary to prevent or control hazards within the system."

Paragraph 4.3.2.3 - 2nd line, after the words, "Testing per", insert "MIL-E-9426 or"

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