

INCH-POUND

MIL-C-6781B
 AMENDMENT 2
15 December 1999
 SUPERSEDING
 AMENDMENT 1
 24 May 1979

MILITARY SPECIFICATION

CONTROL PANEL: AIRCRAFT EQUIPMENT, RACK OR CONSOLE MOUNTED

This amendment forms a part of MIL-C-6781B, dated 13 September 1960, and is approved for use by all Departments and Agencies of the Department of Defense.

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Delete “(ASG)” on this page and on every page where it appears.

2.1: Under SPECIFICATIONS – MILITARY, delete the following

MIL-E-5272	Environmental Testing, Aeronautical and Associated Equipment, General Specification for
MIL-E-5556	Enamel, Camouflage, Quick Drying
MIL-E-5557	Enamel, Heat-Resisting, Glyceryl-Phthalate, Black
MIL-P-8585	Primer Coating, Zinc Chromate, Low-Moisture-Sensitivity

Under SPECIFICATIONS – MILITARY, change the following specification titles to:

MIL-E-5400	Electronic Equipment, Airborne, General Specification for
MIL-P-7788	Panel, Information, Integrally Illuminated
MIL-E-17555	Electronic and Electrical Equipment Accessories, and Repair Parts, Packaging and Packing of

* Add to bottom of page 1:

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, Naval Air Warfare Center Aircraft Division, Code 414100B120-3, Highway 547, Lakehurst, NJ 08733-5100, by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.
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2.1: SPECIFICATIONS – MILITARY, add the following:

MIL-C-81774 Control Panel, Aircraft, General Requirements for

Under SPECIFICATIONS – MILITARY, change the following specification titles to:

MIL-M-18012 Markings for Aircrew Station Displays, Design and Configuration
of
MIL-C-26482 Connector, Electric, (Circular, Miniature, Quick Disconnect,
Environment Resisting) Receptacles and Plugs, General
Specifications for

Under SPECIFICATIONS – FEDERAL, add the following:

TT-E-489 Enamel, Alkyd, Gloss (for Exterior and Interior Surfaces)
TT-E-527 Enamel, Alkyd, Lusterless

* Under SPECIFICATIONS – FEDERAL, add the following:

TT-P-1757 Primer Coating, Alkyd Base, One Component

Under STANDARDS – MILITARY, add the following:

MIL-STD-810 Environmental Test Methods
MIL-STD-1472 Human Engineering Design Criteria for Military Systems
Equipment and Facilities
MS 25453 Lights, Panel Information Plate, Plate Supporting Type
MS 33742 Shaft, Control Knob

Under STANDARDS – MILITARY, delete the following:

MS 25010 Light, Panel, Plastic Plate Lighting
MS 25176 Shaft, Control Knob

Under Standards – Air Force-Navy Aeronautical, delete the following:

AN3502 Light Assembly-Control Panel, Plastic Lighting Panel

3.2.1: Line 4, delete “built-in-lighting,” and substitute “integrally illuminated.”

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3.2.3: Line 6, add the following sentence “Controls shall comply with MIL-STD-1472 and MIL-C-81774.”

3.3.4: Delete paragraph title and substitute “Information panel.” Line 4, delete “plastic lighting plate” and substitute “information panel.”

3.3.5: Delete in its entirety and substitute the following paragraph:

“3.3.5 Light assembly. Light assemblies, if employed, shall be in accordance with the requirements for Type V panels of specification MIL-P-7788.”

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3.5, lines 8, 13, and 14: Delete “plastic lighting plate” and substitute “information panel.” Line 15, delete “plastic plate” and substitute “information panel.”

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3.7: Delete “MIL-C-18012” and substitute “MIL-M-18012.”

3.7.1: Delete “MS25176 and substitute “MS33742.” Line 4, delete “plastic lighting plate” and substitute “information panel.”

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3.16: Delete “MIL-E-5557” and substitute “TT-E-489.” Delete “MIL-E-5556” and substitute “TT-E-527.” Line 2, delete “plastic lighting plate” and substitute “information panel.”

* 3.16: Delete “MIL-P-8585” and substitute “TT-P-1757.”

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4.1: Line 3, delete “plastic lighting” and substitute “information panel.”

4.2.1: Delete paragraph in its entirety and substitute:

“4.2.1 Environmental tests. The control panel shall be tested for conformance with the following tests of MIL-STD-810:

Temperature-Altitude Test	Method No. 504
Vibration Test	Method No. 514.1
Shock Test	Method No. 516.1
Humidity Test	Method No. 507

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Salt Spray Test	Method No. 509
Explosion Test	Method No. 511
Sand and Dust Test	Method No. 510
Fungus Resistance Test	Method No. 508”

NOTE: The margins of this amendment are marked with asterisks to indicate where changes from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

Custodians:

Army – AV

Navy – AS

Air Force – 11

Preparing activity:

Navy – AS

(Project 1680-0833)

Review activity:

Air Force – 99