

MIL-P-26292C (USAF)
AMENDMENT 3
15 June 1972

SUPERSEDING
AMENDMENT 2
22 April 1971

MILITARY SPECIFICATION

PITOT AND STATIC PRESSURE SYSTEMS, INSTALLATION
AND INSPECTION OF

This amendment forms a part of Military Specification
MIL-P-26292C (USAF) dated 3 December 1969.

* Page 1, paragraph 2.1: Add:

"MIL-B-5087 Bonding, Electrical, and Lightning Protection, for
Aerospace Systems"

* Page 3, paragraph 3.3.1: Delete and substitute:

"3.3.1 Total and static pressure sources. Each aircraft shall be fitted with a minimum of either one pitot-static tube or a combination of a pitot tube and flush static ports. When flush static ports or side-mounted pitot-static tubes are employed, they shall be provided in manifold pairs unless otherwise specified. Instruments in accessory equipment, such as photographic altimeters which will be removed periodically, shall not utilize the pitot total or static source."

Page 4, add:

"3.3.2.3 Electrical bonding and lightning protection. The pitot-static tube shall be electrically bonded to the aircraft structure in accordance with MIL-B-5087. The airframe contractor shall be responsible for the design of the bonding method and the tests that are necessary to verify the adequacy of the design. Pitot-static tube electrical-heater wiring shall be protected from lightning induced energy with surge arrestors or other devices which will limit the peak surge to one and one-half times the nominal line voltage. A report outlining the proposed design and test methods shall be submitted to the procuring activity for review and approval prior to installation of the tube on the aircraft."

Page 7, paragraph 3.3.6.1, add: "On aircraft where sideslip is expected to affect the static pressure, manifolded static pressure tubing should be symmetrical in length up to the point of tap-in."

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Page 14, paragraph 4.5.3.1.1: Delete the second sentence and substitute:
"The outlets of each tube shall be sealed and an accurate mercury manometer calibrated in terms of absolute pressure shall be installed at one end of each tube at the position of the major pressure transducer." In the fourth sentence, delete "the pressure" and substitute "the absolute pressure".

Page 15, paragraph 4.5.5.1, line 5: Delete "maximum rate of climb" and substitute "maximum rate of climb or maximum rate of descent".

Page 16, figure 6: On left-hand side of figure, delete "MAX RATE OF CLIMB" and substitute "MAXIMUM VERTICAL VELOCITY".

Page 21, paragraph 6.2, line 3: Delete "65-3" and substitute "65-35".

* Identification of changes. The margins of this amendment are marked with an asterisk to indicate where changes (additions, modifications, corrections, deletions) from the previous issue 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 issue.

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