

INCH-POUND

MIL-C-45300B  
AMENDMENT 1  
12 AUGUST 1992

MILITARY SPECIFICATION

CAP, FUEL TANK: CAP MILITARY  
COMBAT AND TACTICAL TRANSPORT VEHICLES

This anendment forms a part of MIL-C-45300B, dated 16 February 1988, and approved for use by the U.S. Army Tank-Automotive Command , Department of the Army, and is available for use by all Departments and Agencies of the Department of Defense.

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2.1.1 Delete parenthetical note and substitute:

"(Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the navy publication and Printing Service Office, Standardization Documents order Desk, Bldg 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.)"

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Add as new paragraph 3.4.7:

"3.4.7 Flost Assembly (type I). All moving parts shall move without restriction to accomplish task to either seal or vent. Float shall seal off vent hole and prevent leakage should tank be overturned. Manufacturer shall provide sufficient sized ball or weighted missile to overcome buoyancy of float in number 2 diesel fuel (or liquid of equivalent weight and viscosity), to establish proper seal pressure ( see 4.6.9)."

Add as new paragraph 3.4.8:

"3.4.8 Vent cover (type I). Screen vent cover shall be removable to allow for cleaning of screen. Not less than 10 pounds of force nor less than 7 inch pounds of torque shall be required to remove cover (see 4.6.10).

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4.6.3.1 Delete and substitute:

"4.6.3.1 Caps (all types). To determine conformance to 3.4.1.1 the following procedure shall be observed: With the gasket wet, the cap shall be connected to and then disconnected from the filler neck using a torque wrench. This procedure shall be repeated five times, observing the torque required. Any evidence of binding or deformation of the cap or torque value in excess of 70 inch pounds before the cap reaches the end of travel, shall be cause for rejection. Failure to obtain a minimum torque value reading of 25 inch pounds shall similarly be cause for rejection.

4.6.4, add sentence to read:

"Leakage in excess of 0.5 ounces per minute shall be cause for rejection."

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4.6.8, line 1, delete "types I and II" and substitute "types II and III".

Add as new paragraph 4.6.9:

"4.6.9 Float assembly. To determine conformance to 3.4.7 the cap shall be mounted to the filler neck on the air tight chamber that is filled 3/4 full with number 2 diesel fuel, or liquid of equivalent weight and viscosity. Mount chamber so that it can pivot. Invert test stand so that fuel cap is pointing downward. Observe any leakage from vent hole or from around cap. Leakage in excess of 0.5 ounce per minute shall constitute failure of this test.

Add as new paragraph 4.6.10:

"4.6.10 Vent cover. Screen vent cover shall be removed by pulling out or rotating. The force or torque shall be measured to determine conformance to 3.4.8. Failure to obtain minimum force or torque value shall be cause for rejection. The inability to remove vent cover with the assistance of pliers (six inch or less in length) without damaging cover or fuel cap shall be cause for rejection."

custodian:

Army - AT  
Navy - MC  
Air Force - 99

Preparing Activity:

Army - AT

(Project 2910-0201)

Review activities:

Army - MI, GL  
DLA - CS

User activity:

Navy - YD