

MILITARY SPECIFICATION  
BREAKERS, PAVING, GASOLINE-POWERED,  
SELF-CONTAINED

This amendment forms a part of MIL-B-734E, dated 26 January 1984 and is approved for use within the USA Belvoir Research, Development, and Engineering Center, 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, under SPECIFICATIONS, FEDERAL, add:

"PPP-T-60 - Tape, Packaging, Waterproof."

Under SPECIFICATIONS, MILITARY, delete MIL-T-22085 and MIL-E-52929 in their entirety and add:

"MIL-C-46168 - Coating, Aliphatic Polyurethane, Chemical Agent Resistant."

Under STANDARDS, MILITARY, delete MIL-STD-1188 in its entirety and add:

"MIL-STD-838 - Lubrication of Military Equipment."

After MIL-STD-1474, add:

"HANDBOOK

MILITARY

MIL-HDBK-113 - Guide for the Selection of Lubricants, Fluids, and Preservatives and Specialty Products for Use in Ground Equipment Systems."

AMSC N/A

FSC 3820

DISTRIBUTION STATEMENT A. Approved for public release, distribution is unlimited.

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2.2, delete "AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) S5.1 in its entirety.

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3.1, line 2, delete "noise levels,"

3.2, line 9, delete "preproduction" and substitute "first article".

3.4, line 2, add: "The breaker and breaker chest, if provided, shall be labeled '2 person lift'."

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3.8, delete in its entirety and substitute:

"3.8 Safety. All exposed parts which are subject to high operating temperatures or which are energized electrically shall be insulated, enclosed, or guarded. All moving parts which are of such nature or so located as to be a hazard to operating or maintenance personnel shall be enclosed or guarded. Protective devices shall not impair operating functions."

3.8.1, delete and substitute:

"3.8.1 Noise limits. The noise produced by the breaker shall conform with MIL-STD-1474 requirements, with the exception of MIL-STD-1474, 5.2, 5.3, and 5.4 when tested in accordance with 4.5.2.13. The provisions of MIL-STD-1474, 4.3 and 4.4 shall be provided if and only if MIL-STD-1474, 5.1.1.2 procedures have been pursued and documented to the satisfaction of the procuring activity. Hazard signs shall conform with MIL-STD-1474, 4.3, except the sign will state 'HEARING PROTECTION REQUIRED WITHIN (specify) FEET'."

3.9, line 4, delete "man" and substitute "person".

3.10.2, line 4, add: "The valve shall be labeled "FUEL" and shall be provided with a double-ended arrow showing direction of operation which is labeled at each end to indicate the function result (i.e. open, close)."

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3.10.6, line 4, add: "The throttle control shall be labeled "SPEED" and shall be provided with a variable speed symbol."

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3.19, line 3, delete "type A" and substitute "type F or G".

Line 5, delete "MIL-E-52929, type II" and substitute MIL-C-46168".

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3.22.5, add the following:

"Driver, channel post, 2-3#, 6" (V.C)	1
Driver, channel post, 3-4#, 6" (V.C)	1"

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After 3.23, add:

"3.24 Human factors engineering. The characteristics of the breaker configuration shall provide for operation of personnel ranging from the small man, clothed, through the large man, arctic and NBC (see 3.8.2) clothed in accordance with MIL-STD-1472."

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4.5.2.12, lines 1 and 2, delete "and human factors" (two places)."

4.5.2.13 and 4.5.2.13.1, delete in their entirety and substitute:

"4.5.2.13 Noise level test. Noise levels shall be measured in accordance with MIL-STD-1474 requirements and reported in the format indicated by MIL-STD-1474, figure 7. As a minimum: noise levels shall be measured when equipment is operating under full load. MIL-STD-1474, 5.1.2.1.4 contours shall be taken at not fewer than 12 equal (horizontal) arc increments, one increment shall include data from the noisiest position. Additionally, the noise level at the typical operating position shall be provided as dB(A) level. Failure to comply with MIL-STD-1474 provisions shall constitute failure of this test."

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4.7.1.3, line 2, delete "2.5 percent" and substitute "1.0 percent".

Item 134, delete in its entirety.

Item 136, line 2, add "or C".

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Item 137, line 2, add "or C".

Item 138, add "or C".

Item 139, add "or C".

Item 140, line 2, add "or C".

Item 141, line 2, add "or C".

Item 142, add "B or C".

Item 143, delete in its entirety.

Item 144, line 1, delete "commercial".

Item 145, delete "B and".

Item 146, delete in its entirety.

5.1, line 1, delete "commercial" and substitute "C".

5.1.1.3.1, line 4, delete "MIL-T-22085, type II" and substitute "PPP-T-60, type IV".

5.1.1.8, line 2, delete "applicability" and substitute "applicable".

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5.1.1.11, delete "Consolidated" and substitute "Consolidation".

5.1.2, delete in its entirety and substitute:

"5.1.2 Level C. The engine, repair parts, tools, and technical manual shall be preserved as specified for level A. Consolidation shall be as specified for level A."

5.2, line 1, delete "commercial" and substitute "C".

5.2.1, delete in its entirety and substitute:

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"5.2.1 Level A. Each breaker furnished with or without a chest and consolidated as specified in 5.1.1.11, shall be packed in a snug fitting box conforming to PPP-B-601, overseas type, style I. The box shall be closed and strapped in accordance with the appendix to the box specification; strapping shall be finish B."

5.2.2.1, delete in its entirety and substitute:

"5.2.2.1 Breakers furnished without chests. Breakers furnished without chests shall be packed as specified in 5.2.1 except that boxes shall be domestic type. Strapping shall be finish A."

5.2.3, delete in its entirety and substitute:

"5.2.3 Level C. The chest shall serve as the shipping container when a chest is furnished. Steel strapping shall be used to secure the chest, prevent the lid from opening, and prevent pilferage. Breakers without chests shall be shipped in the consolidation container specified in 5.1.1.11.2."

5.3, 5.3.1, and 5.3.2, delete in their entirety and substitute:

"5.3 Marking. Marking for shipment and storage shall be in accordance with MIL-STD-129."

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6.2m, delete and substitute:

"m. Levels of preservation and packing required (see 5.1 and 5.2)."

6.4, delete in its entirety and substitute:

"6.4 Lubricants. MIL-STD-838, Lubrication of Military Equipment, prescribes the policy for using specification-type products wherever possible and provides specific requirements for potential use of non-standard proprietary products. MIL-STD-838 is implemented by MIL-HDBK-113, Guide for the Selection of Lubricants, Fluids, Preservatives and Specialty Products for Use in Ground Equipment Systems. The contracting officer should note

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that unless otherwise authorized by the US Army Belvoir Research, Development, and Engineering Center (ATTN: STRBE-VF), Fort Belvoir, VA 22060-5606, lubricants, fluids, and greases for ground equipment systems must be restricted to those listed under MIL-HDBK-113, chapter 2."

Custodians:

Army - ME

Navy - YD

Air Force - 99

Preparing activity:

Army - ME

Project 3820-0189

Review activities:

Army - AT

Air Force - 84

User activity:

Navy - MC