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MILITARY SPECIFICATION

ENGINES: PREPARATION FOR SHIPMENT AND STORAGE OF

This amendment forms a part of Military Specification MIL-E-10062E, dated 16 August 1982, and is approved for use by all Departments and Agencies of the Department of Defense.

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Paragraph 3.9.1, delete entire paragraph and substitute the following:

"3.9.1 Preservative and drain procedure. This procedure shall not be accomplished until all other engine preservation has been completed, and the engine has been allowed to cool to a cylinder head temperature of maximum 100 degrees Fahrenheit (°F), measured at the spark plug area of all cylinders. Completely drain the coolant that was used to operate the engine during engine preservation, and close the drain cocks. For coolant systems thermostatically controlled, the thermostats shall be removed. Fill the coolant system with compound conforming to grade 5 of MIL-C-16173, and circulate the compound throughout the complete coolant system. This may be accomplished by utilizing a portable pump arrangement or by removal of the belts and rotation of the water pump with an auxiliary motor. Do not operate the engine to accomplish this portion of the engine preservation. On the completion of the circulation of the compound throughout the coolant system, the drain cocks shall be opened, and the coolant system be allowed to drain. The drain cocks shall be left open, and the thermostat reinstalled. A warning tag shall be prepared indicating: COOLANT SYSTEM DRAINED - FLUSH WITH HOT WATER (180°F or above)- CLOSE DRAIN COCKS - FILL SYSTEM TO PROPER OPERATING LEVEL WITH COOLANT PRIOR TO OPERATING THE ENGINE." Tag shall be attached to neck of coolant fill tube."

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Paragraph 3.11.1.1.3.1, line 2, delete "(see 3.11.1.4.2)" and substitute "(see 3.11.1.1.4.2)".

Paragraph 3.11.1.1.3.1, line 4, delete "(see 3.11.1.10)." and substitute "(see 3.11.1.1.9).".

*Paragraph 3.11.1.1.3.1.1, line 4, delete "type P-9" and substitute type" P-10, grade 10".

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*Paragraph 3.11.1.1.3.2.1(a), line 2, delete "3.11.1.4.1.1(a)" and substitute "3.11.1.1.4.1.1(a)".

*Paragraph 3.11.1.1.3.2.1(a), line 4, delete "type P-9" and substitute "type P-10, grade 10".

*Paragraph 3.11.1.1.3.2.1(b), line 2, delete "3.11.1.4.1(b)" and substitute "3.11.1.1.4.1.1(b)".

*Paragraph 3.11.1.1.3.2.1(b), line 4, delete "type P-9" and substitute "type P-10, grade 10".

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*Paragraph 3.11.1.1.4.1.1(a), line 4, delete "type P-9" and substitute "type P-10, grade 10".

*Paragraph 3.11.1.1.4.1.1(a), lines 10 and 11, delete "type P-9" and substitute "type P-10, grade 10".

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*Paragraph 3.11.1.1.4.1.1(b), line 6, delete "type P-9" and substitute "type P-10, grade 10".

*Paragraph 3.11.1.1.4.1.1(b), line 14, delete "type P-9" and substitute "type P-10, grade 10".

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Paragraph 3.11.1.1.4.2, line 11, delete "(see 4.3.4)" and substitute "(see 4.3.3)".

Paragraph 3.11.1.1.4.2, line 14, delete "6.8)." and substitute "6.7).".

*Paragraph 3.11.1.1.4.3.1, line 4, delete "type P-9" and substitute "type P-10, grade 10".

Paragraph 3.11.1.1.5.2, end of paragraph (page 15), add the following: "Air intake tubes shall be reconnected."

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Paragraph 3.11.1.1.7, line 1, delete "(see 3.11.1.8.1)" and substitute "(see 3.11.1.1.7.1)".

*Paragraph 3.11.1.1.7, line 15, delete last sentence and substitute, "If equipped with rain caps, seal rain caps with tape specified herein."

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Paragraph 3.11.1.1.8.2, line 8, delete "(see 6.9)" and substitute "(see 6.8)".

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Paragraph 3.11.1.1.15, line 3, delete "batteries" and substitute "battery cables".

Paragraph 3.11.1.1.15, line 13 through line 15, delete in its entirety and substitute:

"Issue Items (BII) and secured independently to permit separate removal. When specified (see 6.2), the batteries shall be packaged in accordance with PPP-B-140 and secured to equipment as specified herein for electrolyte."

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Paragraph 3.11.1.3, subsection a, line 1, add a period after "3.11.1.2(a)" and delete "or".

Paragraph 3.11.1.3, subsection a, line 2, delete "(b) as applicable.".

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*Paragraph 3.11.1.5.1, subsection d, delete in its entirety and substitute:

"d. Unless otherwise specified, the complete coolant systems shall be processed by the preservative and drain procedure specified in 3.9.1. When specified (see 6.2), coolant systems shall be processed in accordance with 3.9.2."

Paragraph 3.11.1.5.1, subsection e, delete in its entirety.

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Paragraph 3.11.2.1.1, line 2, delete "(see 3.11.1.2)" and substitute "(see 3.11.1.1.1)".

Paragraph 3.11.2.1.2, line 2, delete "(see 3.11.1.3)" and substitute "(see 3.11.1.1.2)".

*Paragraph 3.11.2.1.3, line 2, delete "(see 3.11.1.7)" and substitute "(see 3.11.1.1.6)".

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Paragraph 3.11.2.1.4, line 2, delete "see 3.11.1.16)." and substitute "(see 3.11.1.1.15).".

Paragraph 3.11.2.1.5, line 3, delete "level B" and substitute "level A".

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Paragraph 3.11.2.2, lines 2 and 3, delete both lines in their entirety and substitute:

"level B requirements above (3.11.2.1.1 through 3.11.2.1.8 and 3.11.1.2a through d)".

Paragraph 3.11.2.3, line 2, after "3.11.1.4" add "a".

Paragraph 3.11.2.4, line 2, after "except where" add "the".

Paragraph 3.11.3, line 5, delete "paragraph 2.3.7" and substitute "paragraph 2.3.2".

Paragraph 3.12, line 2, delete "(see 6.10)." and substitute "(see 6.9).".

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Paragraph 4.3, line 3, delete "item" and substitute "time".

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TABLE II, category 109, line 2, delete "(see 3.2.1, 3.2.1.1, 3.2.2)" and substitute "(see 3.9.1, 3.9.1.1, and 3.9.2)".

TABLE II, category 116, line 2, delete "(see 3.11.1.4.3)" and substitute "(see 3.11.1.1.4.3)".

TABLE II, category 118, line 2, delete "(see 3.11.1.5.1.2.1)" and substitute "(see 3.11.1.1.4.1.2.1)".

*TABLE II, category 121, lines 1 and 2, delete "(see 3.11.1.1.5 and 3.11.1.1.5.1) and (3.11.1.1.5.1.1)" and substitute "(see 3.11.1.1.5 through 3.11.1.1.5.2)".

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*TABLE II, category 151, line 2, delete "(see 3.11.1.3(a), (b), and (c))." and substitute "[see 3.11.1.5.1 (a), (b), and (c)]."

*TABLE II, category 152, line 2, delete "(see 3.11.1.5.1(d) and (e))." and substitute "[see 3.11.1.5.1(d)].".

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Paragraph 6.2, subsection d, line 1, delete "item" and substitute "time".

Paragraph 6.2, subsection g, line 1, after "(see" add "3.11.1.1,".

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Paragraph 6.2, subsection k, line 3, delete "3.11.1.1.7.2)." and substitute "3.11.1.1.6.2).".

Paragraph 6.2, subsection q, line 2, delete "(see 3.11.2)." and substitute "(see 3.11.3).".

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TABLE III, workmanship item, line 11, under "Paragraphs", delete "3.14" and substitute "3.15".

Footnote 1/, bottom of page, delete "type II" and substitute "type I".

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