



DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
WASHINGTON, DC 20380

MCO 10200.9
PST
16 Sep 91

MARINE CORPS ORDER 10200.9

From: Commandant of the Marine Corps
To: Distribution List

Subj: MATERIEL FIELDING PLAN (MFP) FOR THE TOOL SET, FIELD
MAINTENANCE (FM), 4TH ECHELON, CUMMINS FAMILY OF
ENGINES, C9669

Ref: (a) MCO P5000.10C
(b) MCO P4105.3

Encl: (1) Materiel Fielding Plan (MFP) for the Tool Set, FM,
4th Echelon, Cummins Family of Engines, C9669

1. Purpose. To provide guidance per references (a) and (b) to sustain the tool set and to document the circumstances under which the tool set was developed.

2. Information. Circa 1984 an ad hoc Tool Sets, Kits, and Chests Standardization and Modernization Committee determined that rather than keep cummins engine tools in the special tool sets for each vehicle, it would be more convenient/efficient to develop a single tool set. At that time, Tool Set, FM, 4th Echelon for the Cummins Family of Engines, TAMCN C6615 was developed by extracting engine tools from two other tool sets to assemble C6615. Additional SAC-1 tools were procured and force-fed to using units by the Commanding General, (Code 853-2), Marine Corps Logistics Base, Albany, GA to complete the tool set. These actions were never formally documented. This Order corrects that deficiency. No new/additional items will be issued as a result of publication of this MFP. The enclosure is for record purposes and a basis for further action.

3. Action

- a. Gaining Command. Per paragraph 4 of the enclosure.
- b. CG MCRDAC. Per paragraph 4 of the enclosure.
- c. CG MCLB Albany, GA. Per paragraph 4 of the enclosure.
- d. CMC (LPP-4). Per paragraph 4 of the enclosure.

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4. Reserve Applicability. This Order is applicable to the Marine Corps Reserve.

R.A. Tilt
R. A. TIEBOUT
By direction

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MATERIEL FIELDING PLAN (MFP)
FOR THE
TOOL SET, FM, 4TH ECHELON, CUMMINS FAMILY OF ENGINES, C9669

1. Introduction

a. Source of Requirement. The Marine Corps has a variety of tactical equipment that utilizes Cummins Diesel engines. A requirement exists for 4th echelon maintenance facilities to possess certain engine tools/instruments for repair of these items. This effort is part of an overall problem to standardize and modernize tool sets, kits, and chests.

b. Points of Contact

<u>Title</u>	<u>NAME</u>	<u>UNIT/CODE</u>	<u>COMMERCIAL/(AV)</u>
Project Officer	Mr. R. Snyder	CG MCRDAC (PST-A)	(703) 696-1157 (DSN) 226-1157
Item Manager	Mr. R. Greenleaf	CG MCLB Albany, GA (Code 835-1)	(912) 439-6535 (DSN) 567-6535

c. Fielding Methodology. No new or additional assets will be fielded with the publication of this Order. In 1984 (approximately), a HQMC ad hoc Tool Sets, Kits, and Chests Standardization and Modernization Committee developed Tool Set, FM, 4th Echelon for the Cummins Family of Engines, TAMCN C6615, to provide 4th echelon maintenance shops with a full complement of tools and instruments to support the full range of Cummins Diesel engines. The Commanding General, (Code 835-2), Marine Corps Logistics Base, Albany, GA was tasked (and funded) to procure and distribute additional tools for the set. Engine tools were also extracted from the two tool sets listed below for inclusion into C6615.

(1) Tool Set, Field Maintenance, 4th Echelon, for Landing Vehicle, Tracked LVT7A1 Family of Vehicles, NSN 5180-01-131-0850, SL-3-07431B.

(2) Tool Kit, Field and Depot Maintenance, 4th and 5th Echelon for Truck, 5-Ton 6x6, M813A1, M814, M818, and M923, M925, M928, M929, M931, and M936, NSN 5180-00-762-1741, SL-3-08428A. Additionally, TAMCN C6615 was subsequently changed to C9669. For using units with components to tool set (TAMCN C9669) missing,

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locally funded requisitions must be submitted to correct the deficiency. For using units that cannot account for end item assets (e.g., entire tool set), after local research and documentation of the circumstances, submit a requisition for the deficient asset per routine procedures.

d. Replaced Item. Not applicable.

2. Systems Description

a. Administrative Information

(1) Nomenclature: Tool Set, FM, 4th Echelon for the Cummins Family of Engines

(2) TAMCN: C9669

(3) ID Number: 08802A

(4) NSN: 5108-01-157-9097

(5) JETDS Nomenclature: Not applicable

(6) Manufacturer: U.S. Marine Corps assembled components

(7) Manufacturer's Cage Code: Not applicable

(8) Manufacturer's Model Number: Not applicable

(9) Stores Account Code: 3

(10) Maintenance Echelon Code: 53

(11) Operational Test Code: The tool set contains individual components by NSN that have an OTC-3 assigned.

(12) Unit of Issue: Set

(13) Unit Standard Package: 1

(14) Unit Cost: \$33,019.00

(15) Support Cost: Not applicable

(16) Readiness Reporting: Not applicable

(17) Equipment Density: Normal

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(18) Petroleum, Oil, and Lubricants: Not applicable

(19) Power Requirements: Not applicable

(20) MHE Lift/Motor Transport Requirements: Not applicable

b. Physical Characteristics

	<u>Operational Configuration</u>	<u>Storage/Shipping Configuration</u>
(1) <u>Length</u> :	49 in	49 in
(2) <u>Width</u> :	49 in	49 in
(3) <u>Height</u> :	41 in	41 in
(4) <u>Square</u> :	16.7 sq ft	16.7 sq ft
(5) <u>Cube</u> :	57 cu ft	57 cu ft
(6) <u>Weight</u> :	180 lbs	180 lbs
(7) <u>Stowage</u> :	57 cu ft	57 cu ft

c. Operational Characteristics. The tool set is composed of special tools, gages, instruments and mounting devices required by maintenance personnel to perform inspection and repair of all Cummins Diesel engines in the following tactical vehicles:

Nomenclature

Truck, 800 Series (all variants)

Truck, 900 Series (all variants)

AAV (all variants)

d. Associated Equipment. Not applicable.

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3. Logistics Support

a. Maintenance Concept

(1) Organizational Level Maintenance. First echelon maintenance consists of normal cleaning, inventory and replacement of unserviceable components as required. No 2d echelon maintenance is required.

(2) Intermediate Level Maintenance. Intermediate level maintenance is limited to components requiring calibration (and repair) and will be accomplished at 4th echelon by MOS's 2871 and 2874 at the supporting calibration facility. No 3d echelon maintenance is required.

(a) Calibration. Calibration of applicable components of the tool kit is required per TI-4733-15/1. Those items requiring calibration are identified by NSN in the Master Data List (MDL) with an Operational Test Code (OTC) of '3'.

(3) Depot Level Maintenance. Not applicable.

b. Contractor Support Requirements. Not applicable.

c. Manpower and Training. The tool set has been in use for several years, no additional manpower or training requirements are necessary.

d. Supply Support

(1) Initial Issue Provisioning. Not applicable.

(2) Interim Support. Not applicable.

(3) Follow-on Replenishment Support. Replenishment support is available through the normal resupply channels.

e. Support Equipment

(1) Special Tools. Not applicable.

(2) Special Purpose Test Equipment (SPTE). Not applicable.

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(3) General Purpose Test Equipment. The Calibration Facility, Transportable, TAMCN A0175 and Test Instrument Repair Facility, TAMCN A2685 contain all required test equipment and calibration standards to conduct 4th echelon calibration maintenance on the tool set components requiring calibration.

(4) Test Program Sets. Not applicable.

(5) Other Support Equipment and Interfaces. Not applicable.

f. Technical Data and Configuration Requirements

(1) Publications. Except for SL-3-08802A, (PCN 1230880200) no tool set unique publications exist. For proper use of individual tools, refer to the applicable maintenance manual for the equipment previously listed.

(2) Configuration Management Requirements. Not applicable.

g. Computer Resources Support. Not applicable.

h. Facilities Requirements/MILCON Project Status. No facilities requirements or MILCON projects are pertinent to this item.

i. Packaging, Handling, Storage, and Transportation

(1) Packaging. No special packaging is required.

(2) Handling. Normal handling techniques employed for properly packed fragile electronic instrumentation should be used.

(3) Storage. Normal warehouse storage is required.

(4) Transportation. No special transportation requirements exist for the subject tool set.

j. Warranties. Not applicable.

k. Special Instructions. A tool box is not a component of the tool set. The tool set components are normally stored on shelves in using unit tool rooms for ready issue to mechanics. For deployment, once the components required for the mission are determined, a wooden box to accommodate, transport, and to protect components must be locally constructed.

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4. Action Required to Place Equipment in Service

a. Gaining Command. Assure the tool set C9669 is assembled/configured per SL 3.08802A.

b. CG MCRDAC. None.

c. CG MCLB Albany, GA. None.

d. CMC (LPP-4). Activate all unit allowances upon publication of this Order. Delete all unit special allowances.

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LIST OF ALLOWANCES

<u>T/E NO</u>	<u>UNIT TITLE</u>	<u>UNIT ALLOWANCES</u>
7011	MCLB, Barstow, CA	2
7442	MCTSSA, Quantico, VA (CamPen)	1
7632	Schools Bn, Camp Pendleton, CA	2
9902	IMD-Engineer Veh, (HQMC use only)	1
B3331	Maint Co, BSSG	1
N3136	Gen Spt Maint Co, MaintBn, 1st FSSG	2
N3236	Gen Spt Maint Co, MaintBn 2d FSSG	2
N3336	Gen Spt Maint Co, MaintBn 3d FSSG	2
N3436	Gen Spt Maint Co, MaintBn, 4th FSSG	1

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Appendix A to
ENCLOSURE (1)