

STATEMENT
OF

WORK

(SOW)

FOR THE REBUILD OF THE

CUMMINS VT-400 ENGINE

AAV

TURBOCHARGER ASSEMBLY

NSN 2815-01-135-7475

SOW-01-834-1-8A259B-1/1

Dated 19 April 2000

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REBUILD OF THE AAV
TURBOCHARGER ASSEMBLY
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STATEMENT OF WORK
FOR THE REBUILD OF THE
AAV CUMMINS VT-400 ENGINE
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NSN 2815-01-135-7475

1.0 SCOPE. This Statement of Work (SOW), along with TM 8F152B-25&P/A establishes and sets forth tasks and identifies the work efforts that shall be performed by the contractor in the rebuild of the Turbocharger Assembly of the Assault Amphibious Vehicle (AAV). These documents contain minimum requirements to restore the Turbocharger Assembly to Condition Code "A". Condition Code "A" is defined as "serviceable/issuable without qualification, new, used, repaired or reconditioned materiel which is serviceable and issuable to all customers without limitations or restrictions". The Turbocharger Assembly is identified by National Stock Number (NSN) 2815-01-135-7475.

1.1 BACKGROUND. Rebuild is defined as that maintenance technique to restore an item to a standard as near as possible to original or new condition in appearance, performance, and life expectancy. This is accomplished through disassembly of the item, inspection of all parts or components, repair or replacement of worn or unserviceable parts using original manufacturing tolerances and/or specifications, and subsequent reassembly of the item.

2.0 APPLICABLE DOCUMENTS. The following documents form a part of this SOW to the extent specified. Unless otherwise specified, the issues of these documents are those listed in the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto which is in effect on the date of solicitation. In the event of conflict between the documents referenced herein and the contents of this SOW, the contents of this SOW shall be the superseding requirement.

2.1 Military Standards

MIL-STD-2073-1C	DoD Standard Practice for Military Packaging
MIL-STD-129	DoD Standard Practice for Military Marking

Military Standards (Guidance Only)

MIL-STD-973	Configuration Management
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2.2 Other Government Documents and Publications

DoD 4160.21-M	Defense Materiel Disposition Manual
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TM 2350-45	DMA Standard Procedures
TM 8F152B-25&P/A	Power Plant Assembly Assault Amphibious Vehicle (AAV7A1-MODELS AAVP7A1, AAVC7A1, AAVR7A1)
TI-4700-45/6B	Installation of Repair/Overhaul Data Plates- All Equipment End Items Assemblies and Components
Drawing AR12637	Turbocharger Assembly
DTD	Multi User Engineer Change Proposal Automated Review System (MEARS) Document Type Definitions (DTD)
DoD 4000.25-1-M	MILSTRIP Manual
NAVICPINST 4491.2A	Requisitioning of Contractor Furnished Materiel from the Federal Supply System

2.3 Industry Standards

ANSI/ISO/ASQC Q 9002-1994	Quality Systems-Model for Quality Assurance in Production Installation and Servicing
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Copies of Military Standards and Specifications are available from the DOD Single Stock Point, Defense Automation Production Service Philadelphia, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, Telephone (215) 697-2179 or DSN 442-01279 or <http://www.dodssp.daps.mil>. Copies of handbooks, publications and other Government documents required by the contractor in connection with specific SOW requirements shall be obtained, in writing, from: Commander, Marine Corps Logistics Bases , Attn: Publication Branch (Code 876), Albany, Georgia 31704-5000. Commercial (912) 439-5818/19, or DSN 567-5818/19. Copies of Drawings and Engineering Change Proposals required by the contractor shall be obtained in writing from Life Cycle Management Center, Attn: (Code 825-3) 814 Radford Blvd STE 20302, Albany Georgia 31704-0320, Commercial (912) 439-6410 or DSN 567-6410.

3.0 REQUIREMENTS

3.1 General Tasks. In fulfilling the specified requirements, the contractor shall:

a. Provide materials, labor, facilities, and services necessary to troubleshoot, test, diagnose, engineer, integrate, install, repair, rebuild, and calibrate as required to make the Turbocharger Assembly fully operational.

Upon completion of the rebuild, the Turbocharger Assembly shall be Condition Code "A".

b. Conduct final-on-site testing which may be witnessed by Marine Corps Logistics Base Albany, Georgia (MARCORLOGBASEALB), (Code 834-1) representative at his/her discretion.

c. The contractor shall be responsible for all structural, electrical, and mechanical requirements associated with the rebuild of the Turbocharger Assembly as specified in TM 8F152B-25&P/A, MIL-STD 2073-1C, MIL-STD-129 and this SOW.

d. Ensure the Turbocharger Assembly meets the configuration of Cummins Drawing AR12637.

e. All mandatory replacement parts identified in TM 8F152B-25&P/A shall be replaced 100%. Economically replacement parts may be reused if they meet the applicable inspection requirements in TM 2350-45. All parts shall be disposed of in accordance with DoD 4160.21-M

3.2 Detailed Tasks. The following tasks describe the different phases for the rebuild of the Turbocharger Assembly.

3.2.1 Phase I - Rebuild. The contractor shall receive Turbocharger Assembly for rebuild. The contractor shall then disassemble the Turbocharger Assembly into components and conduct the rebuild process. The contractor shall rebuild components in accordance with the requirements in TM 8F152B-25&P/A and this SOW. The contractor shall be responsible for supplying all equipment, tools, test equipment, and materials to conduct this effort. The contractor shall be responsible for the integration and assembly of all components. The configuration identification for the Turbocharger Assembly is defined by the specifications annotated on the current revision level of Cummins Engine Company, Incorporated Drawing AR12637. A Rebuild Data Plate shall be installed in accordance with TI-4700-45/6B.

3.2.2 Phase II - Inspection, Testing ,and Acceptance

a. Inspection, testing, and acceptance of the Turbocharger Assembly shall be conducted in accordance with TM 8F152B-25&P/A and ANSI/ISO/ASQC Q9002-1994.

b. The contractor shall provide a Certificate of Conformance with the delivery of the final product attesting the product meets or exceeds the requirement of this SOW. Any deficiencies discovered will be corrected by the contractor.

3.2.3 Phase III – Packaging, Handling, Storage, and Transportation (PHS&T)

a. The contractor be responsible for the preservation and packaging for items being repaired/rebuilt under the terms of this SOW. Items being prepared for long term storage, or overseas shipment shall be in accordance with level “A” requirements of MIL-STD-2073-1C, Method 30. Items being prepared for domestic shipment ,short-term storage, or immediate use shall be to level “B” requirements.

b. Marking shall conform to MIL-STD-129.

c. The Marine Corps shall provide the contractors with the shipping address(es) for delivery of the repaired equipment. The contractor shall be responsible for arranging for shipment to the pre-designated site(s). The Marine Corps shall be responsible for transportation costs associated with shipping the Turbocharger Assembly to and from the contractor.

3.3 Configuration Management

a. The contractor shall apply configuration control to established configuration items. The contractor shall not implement a design or performance change to items without receiving prior authorization from the contracting activity. The need to deviate from the written procedures or materials contained in the technical manuals/engineering drawings shall be requested by the electronic submission of a Request for Deviation (RFD)/Request for Waiver (RFW). MIL-STD-973, paragraph 5.4.3 or 5.4.4, provide guidance for preparing these configuration change documents. The contractor shall be furnished with MEARS DTD, and either the associated template for the production of electronic RFD/RFWs or the MEARS CREATE application.

b. The submission of electronic files shall be accomplished by the originator placing the RFD/RFW files on MARCORLOGBASEALB shared server drive, matcomapps05/mears/foaav or equivalent address. The originator shall notify the contracting activity of a RFD/RFW residing on applicable server by e-mail. As an alternative to placing the RFD/RFW on the server, the originator may e-mail the document using .zip files.

3.4 Government Furnished Equipment (GFE) and Government Furnished Materiel (GFM)

GFE is government owned equipment authorized by contract for use by a commercial/government contractor. It is neither consumed during production nor incorporated into any product. GFM is materiel furnished to a contractor that will be consumed during the course of production or incorporated into a product being manufactured/remanufactured under a contract/SOW. In the event the Marine Corps does have GFE/GFM requirements the Management Control Activity (MCA) at MARCORLOGBASEALB (MCA/827-2), will coordinate required GFE and will maintain a central control on Marine assets in the Contractors possession. The MCA will forward a GFE Accountability Agreement to the Contractor for signature to establish a chain of custody and property responsibility for Marine Corps assets.

3.5 Contractor Furnished Materiel (CFM)

The Marine Corps has adopted the Navy's procedures regarding Contractor Furnished Materiel (NAVICPINST 4491.2A). In the event that Contractor Furnished Materiel is required for repair parts, the DOD 4000.25-1-M, (MILSTRIP) Chapter 11 authorizes contractors to requisition through the DoD Supply System.

3.6 Quality Assurance Provisions

3.6.1. The performance of the contractors quality of work performed, material provided and documents written shall be subject to in-process review and inspection by the MARCORLOGBASEALB (Code 834-1) representative during contract performance. Inspection may be accomplished at any work location. The MARCORLOGBASEALB (Code 834-1) requires at a minimum, two weeks notice of acceptance test to allow for sufficient time for MARCORLOGBASEALB (Code 834-1) representative to witness the test if he or she desires. Inspection by the MARCORLOGBASEALB (Code 834-1) representative of acceptance tests, materials and associated lists furnished hereunder does not relieve the contractor from any responsibility regarding defects or other failures to meet the SOW requirements which may be disclosed prior to final acceptance.

3.6.2. The contractor shall provide and maintain a Quality System that as a minimum, adheres to the requirements of ANSI/ISO/ASQC Q9003-1994. The contractors work shall be subject to in-process reviews and inspections for compliance with these procedures and standards by MARCORLOGBASEALB (Code 834-1) representative. Noncompliance with these quality assurance procedures resulting in degraded quality of work may result in a stop-work order requiring action by the contractor to correct the work performed and to enforce compliance with quality assurance procedures or face contract termination. Notwithstanding such inspection, it shall be the contractors responsibility to ensure that the entire system meets the performance requirements of this SOW.

4.0 Reports/Documentation

4.1 Reports/Documentation that are required:

a. The contractor shall provide a Monthly Parts Usage Report on each Turbocharger. The report shall be sequenced by Master Work Schedule Line Number (MWSLIN) and Production Number.

b. The contractor shall provide a monthly Production Status Report summarizing the progress and status of the Turbocharger.

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 1704-0188

The Public reporting burden for this collection of information is authorized to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302 and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government issuing Contract Officer for the contract/PR No. listed in block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP _____ TM _____ Other <u>XXX</u>
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D. SYSTEM/ITEM AAV Turbocharger Assembly	E. CONTRACT/PR No.	F. CONTRACTOR
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1. DATA ITEM No. A001	2. TITLE OF DATA ITEM Production Status Report	3. SUBTITLE Monthly Production Status Report
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4. AUTHORITY (Data Acquisition Document No.) DI-MGMT-81255	5. CONTRACT REFERENCE SOW 4.1.b	6. REQUIRING OFFICE MARCORLOGBASES (834)
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7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED A	10. FREQUENCY MTHLY	12. DATE OF FIRST SUBMISSION See Blk 16	14. DISTRIBUTION		
8. APP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE	b. COPIES		
				Draft	FINAL Reg	Repro

16. REMARKS Block 4 - Contractor format is authorized. Delete the following paragraphs. These paragraphs do not apply to this deliverable: 10.1, 10.2.3, 10.2.5, 10.2.6, and 10.2.9. In paragraphs 10.2.4 and 10.2.7, replace "CLIN" with "MWSLI" (Master Work Schedule Line Item) Number. Blocks 10 and 12 - The report shall be submitted on the tenth of each month. The first submission shall be 30 days after the contract award. The Production Status Report shall be transmitted via E-Mail to the following address: HoffmanRE@matcom.usmc.mil Distribution Statement A: Approved for public release, distribution is unlimited.	MCLBA (834-1)	0	1	0
15. TOTAL	0	1	0	

G. PREPARED BY: R. E. Hoffman	H. DATE 04/19/00	I. APPROVED BY: R. E. Hoffman	J. DATE 04/19/00
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DD FORM 1423, AUG 96 (EG)

PREVIOUS EDITION MAY BE USED

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

