STATEMENT OF WORK (SOW)
for the
REBUILD
of the
ASSAULT AMPHIBIOUS VEHICLE (AAV)

CUMMINS VT-400 ENGINE
TURBOCHARGER

NSN 2815-01-135-7475

STATEMENT OF WORK FOR THE REBUILD OF THE ASSAULT AMPHIBIOUS VEHICLE (AAV) CUMMINS VT-400 ENGINE TURBOCHARGER NSN 2815-01-135-7475

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1.0 SCOPE. This Statement of Work (SOW), along with TM 8F152B-25&P/A establishes, sets forth tasks and identifies the work efforts that shall be performed by the Contractor (for the purpose of this Statement of Work, Contractor is defined as the commercial or government entity performing the rebuild) in the rebuild of the Assault Amphibious Vehicle (AAV) Cummins VT-400 Engine Turbocharger (hereafter referred to as the Turbocharger). This document contains minimum requirements to restore the Turbocharger to Condition Code "A". Condition Code "A" is defined as "serviceable/issuable without qualification, new, used, repaired or reconditioned material which is serviceable and issuable to all customers without limitations or restrictions, including material with more than six months shelf-life remaining." National Stock Number (NSN) 2815-01-135-7475 identifies the Turbocharger.

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

2.2 Other Government Documents and Publications

DoD 4000.25-1-M	Military Standard Requisitioning and Issue Procedures (MILSTRIP)
DoD 4160.21-M-1	Defense Demilitarization Manual
TM 2350-45	DMA Standard Procedures

TM 8F152B-25&P/A	Power Plant Assembly Assault Amphibious Vehicle (AAV7A1-MODELS AAVP7A1, AAVC7A1, AAVR7A1)
Cummins Engine Company Drawing AR12637, CAGE 15434	Turbocharger Assembly

Military Handbooks (For Guidance)

MIL-HDBK-61	Configuration Management Guidance

2.3 Industry Standards

ANSI/ISO/ASQC Q9001-2000	Quality Management Systems-Requirements

Industry Standards (For Guidance)

ANSI/EIA-649	National Consensus Standard for Configuration Management

Copies of Military Standards and Specifications are available from the DoD Single Stock Point, Document Automation and Production Service, Building 4/D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, commercial telephone number (215) 697-2179 or DSN 442-2179 or http://www.dodssp.daps.mil. Copies of other Government documents and publications required by the Contractor in connection with specific Statement of Work requirements shall be obtained through the Contracting Officer: Contracts Department (Code 891), P.O. Drawer 43019, 814 Radford Blvd., Marine Corps Logistics Command, Albany, Georgia 31704-3019, commercial telephone number (229) 639-6761 or DSN 567-6761. Copies of engineering drawings, if applicable, shall be obtained from Supply Chain Management Center, Attn: (Code 583-1), 814 Radford Blvd., STE 20320, Albany, GA 31704-0320, commercial telephone number (229) 639-6476 or DSN 567-6476.

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

b. Conduct final-on-site testing, which the Marine Corps Systems Command (MCSC), Assault Amphibious Vehicle System (AAVS), Albany, Georgia representative will witness.

c. The Contractor shall be responsible for all structural, electrical, and mechanical requirements associated with the rebuild of the Turbocharger as specified in TM 8F152B-25&P/A, and this SOW.

d. Ensure the Turbocharger meets the configuration of Cummins Engine Company Drawing AR12637, CAGE 15434.

e. All mandatory replacement parts identified in TM 8F152B-25&P/A shall be replaced 100%. Economical 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-1.

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

3.2.1 Phase I - Rebuild. The Contractor shall receive the Turbocharger for rebuild. The Contractor shall then disassemble the Turbocharger 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 for the conduct of this effort. The Contractor shall be responsible for the integration and assembly of all components. The configuration identification for the Turbocharger is defined by the specifications annotated on current revisions levels of Cummins Engine Company Drawing AR12637, CAGE 15434.

3.2.2 Phase II - Inspection, Testing, and Acceptance. Inspection, testing, and acceptance of the Turbocharger shall be conducted in accordance with TM 8F152B-25&P/A and ANSI/ISO/ASQC Q9001-2000. The Contractor shall correct any deficiencies found.

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

a. The Contractor shall be responsible for the preservation and packaging of the item(s) being rebuilt under the terms of this Statement of Work. Items scheduled for long-term storage or overseas shipment shall be in accordance with the Level "A" requirements of MIL-STD-2073-1D, Method 44. Items scheduled for domestic shipment for immediate use or short-term storage shall be in accordance with Level "B" requirements.

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

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

3.3 Configuration Control

a. The Contractor shall apply configuration control procedures to established configuration items. The Contractor shall not implement configuration changes to an item's documented performance or design characteristics without prior written authorization. Procedures or materials contained in manuals, standards and instructions or engineering drawings/documents define the item's characteristics. If deemed necessary to temporarily depart from the authorized configuration, the Contractor shall prepare and submit a Request For Deviation (RFD). MIL-HDBK-61 and ANSI/EIA-649 provide guidance for preparing RFDs.

b. The creation and submission of RFDs shall be accomplished using MEARS CREATE software, which resides at a secure web site, https://mears1.redstone.army.mil. For the purpose of gaining access to the web site, the Contractor shall request user-id and password privileges from the Requiring Office identified in Block 6 of the applicable Contract Data Requirements List. The Contractor shall direct technical or functional questions concerning usage of MEARS CREATE software to the Requiring Office for guidance. The Contractor shall notify the Requiring Office by electronic mail when completed MEARS RFDs are ready for formal submission.

3.4 Government Furnished Equipment (GFE)/Government Furnished Materiel (GFM). The Management Control Activity (MCA) (Code 571-1) will coordinate GFE/GFM requests and maintain a central control system on all government owned assets in the Contractor's possession. The MCA will forward a GFE Accountability Agreement to the Contractor for signature on an annual basis to establish a chain of custody and property responsibility for Marine Corps assets. The Contractor is to acknowledge receipt of GFM to the MCA within 15 days of receipt. This can be done by mailing a copy of the DD 1348 to Materiel Management Department, Management Control Activity (Code 571-1), 814 Radford Blvd., STE 20320, Albany, GA 31704-0320, or faxing a copy to commercial telephone number (229) 639-5498 or DSN 567-5498.

3.5 Contractor Furnished Materiel (CFM). The Contractor may requisition materials as required in the performance of this SOW through the DoD Supply System. DoD 4000.25-1-M (MILSTRIP), Chapter 11, provides guidance to the Contractors on the requisitioning process. The Contractors decision to utilize CFM procured from the DoD Supply System shall be based upon cost effectiveness, availability of materiel and the required completion/delivery date.

3.6. Quality Assurance Provisions

3.6.1 The performance of the Contractor's quality of work performed, materiel provided and documents written shall be subject to in-process review and inspection by the MCSC AAVS, Albany, Georgia representative during contract performance. Inspection may be accomplished at any work location. The MCSC AAVS, Albany, Georgia representative shall be permitted to observe the work/tasks accomplishment and/or to conduct inspections within the Contractor's normal working hours. Acceptance tests shall be held in-plant. The MCSC AAVS, Albany,

Georgia representative requires, at a minimum, two weeks notification of acceptance test to allow for sufficient time for MCSC AAVS, Albany, Georgia representative to witness acceptance. Inspection by the MCSC AAVS, Albany, Georgia representative of all 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 Q9001-2000. The Contractor's work shall be subject to in-process reviews and inspections for compliance with these procedures and standards by MCSC AAVS, Albany, Georgia 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 Contractor's responsibility to ensure that the entire system meets the performance requirements of this Statement of Work.

4.0 REPORTS. All deliverables shall be submitted in hard copy to Marine Corps Systems Command, Attn: AAVS, 814 Radford Blvd., Suite 20343, Albany Georgia 31704-0343, unless directed otherwise in a Contract Data Requirements List.

4.1 Monthly Production Status Report. A monthly Production Status Report shall be submitted summarizing the progress and status of the Turbocharger.

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated 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 the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0701-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER ____
D. SYSTEM/ITEM: AAV VT-400 Turbocharger	E. CONTRACT/PR NO.	F. CONTRACTOR

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
A001	Production Status Report	Monthly Production Status Report

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-MGMT-81255	Paragraph 4.1	MCSC (AAVS)

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT	A	MTHLY	See Blk 16
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
			See Blk 16

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

16. REMARKS

Blk 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 "MWSLIN" (Master Work Schedule Line Item) Number.

Blocks 10, 12 and 13 - 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 fo the following adddresses: HoffmanRE@mcsc.usmc.mil and MaynardVM@logcom.usmc.mil.

Distribution Statement A: approved for public release, distribution is unlimited.

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES: Draft	Final: Reg	Final: Repro
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Albany, Ga			
SCMC (576-1)	0	1	0
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15. TOTAL →	0	2	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
RE Hoffman	27/05/03	RE Hoffman	27/05/03

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A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER X
D. SYSTEM/ITEM: AAV VT-400 Turbocharger	E. CONTRACT/PR NO.	F. CONTRACTOR

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
B001	Request For Deviation (RFD)	Configuration Management

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-CMAN-80640C	SOW Para 3.3	MCLCA (583-1)

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
NO		ASREQ	ASREQ
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
N/A	A		

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

16. REMARKS

BLK 4 - MEARS RFD text files shall be created using MICROSOFT (.doc) or ADOBE (.pdf) formatted software products.

BLKs 10 & 12 - RFDs shall be submitted to obtain authorization to deliver non-conforming material or processes, which does not meet, prescribed configuration documentation.

BLK 14 - RFD submission notification shall be sent to smithdc@logcom.usmc.mil

MEARS RFD accompanying figures shall be created using a MICROSOFT formatted software or CCITT Group 4 graphic file with a minimum density of 600 dpi.

Point of contact for MEARS CREATE question may be directed to Doug Smith at dsn 567-6425 or smithdc@logcom.usmc.mil .

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14. DISTRIBUTION

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MCSCA (AAVS)	0	0	0
15. TOTAL →	0	1	0

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
Doug Smith	27 May 03	E Hoffman	27/05/03

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