

STATEMENT  
OF  
WORK  
(SOW)

FOR THE  
TORQUE CONVERTOR  
ASSEMBLY  
REBUILD

NSN 2520-01-132-5989

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**STATEMENT OF WORK  
FOR THE TORQUE CONVERTOR ASSEMBLY  
REBUILD**

1.0 **SCOPE.** This Statement of Work (SOW), along with TM8F152B-25&PA establishes and sets forth tasks and identifies the work efforts that shall be performed by the contractor in the rebuild of the Assault Amphibious Vehicle (AAV) Torque Convertor Assembly. These documents contain minimum requirements to restore the Torque Convertor Assembly 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." The Torque Convertor Assembly is identified by National Stock Number 2520-01-132-5989.

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 complete 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 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

2.2 **Other Government Documents and Publications**

DoD 4160.21-M                      Defense Utilization and Disposal Manual

TM 8F152B-25&P/A                  Power Plant Assembly Assault Amphibious Vehicle  
(AAV7A1- Models AAVP7A1, AAVC7A1, AAVR7A1)

TM 2350-45                          DMA Standard Procedures

TI-4700-45/6B	Installation Of Repair/Overhaul Data Plates - All Equipment End Items, Assemblies and Components
DRAWING 2600146	Torque Convertor Assembly
DTD	"Mears" Document Type Definitions
DOD 4000.25-1-M	MILSTRIP Manual
NAVICPINST 4491.2A	Requisitioning of Contractor Furnished Material From The Federal Supply System

### 2.3 Industry Standards

ANSI/ISO/ASQC Q9002-1994 Quality System-Model for Quality Assurance in Production, Installation and Servicing

Copies of Military Specifications and Standards are available from the Naval Publications and Forms Center, (ATTN: NPODS), 5801 Tabor Avenue, Philadelphia, PA 19120-5099. Copies of other government documents and publications required by contractors in connection with specific SOW requirements shall be obtained through the Contracting Officer: Commander, Attn: Contracting Officer (Code 891) Marine Corps Logistics Bases, 814 Radford Blvd., Albany, Georgia 31704-1128, commercial telephone number (912) 439-6761 or DSN 567- 6761. Copies of engineering drawings, if applicable, shall be obtained from Life Cycle Management Center, Attn: Code 825-3, 814 Radford Blvd. Suite 20320, Albany, Georgia 31704-0320, commercial telephone number (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 Torque Convertor Assembly fully operational. Upon completion of the rebuild, the Torque Convertor Assembly shall be Condition Code "A".

b. Conduct final-on-site testing which shall be witnessed by Marine Corps Logistics Base (MCLB) Albany, Georgia (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 Torque Convertor Assembly specified in TM 8F152B-25&P/A, TM 2350-45, TI-4700-45/6B, Drawing 2600146, MIL-STD-2073-1C, and MIL-STD-129.

d. Ensure all Torque Convertor Assembly unserviceable and missing components to meet the configuration of Naval Sea System Command Drawing 2600146.

e. All mandatory replacement parts 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.

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

3.2.1 Phase - I - Rebuild. The contractor shall receive the Torque Converter Assembly for rebuild. The contractor shall then disassemble the Torque Converter 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 for the conduct of this effort. The contractor shall be responsible for the integration and assembly of all components. The configuration identification for the Torque Converter Assembly is defined by the specifications annotated on current revision levels of Naval Sea System Command drawing 62600146. Upon completion of the rebuild, the Torque Converter Assembly shall be in condition code "A". 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 Torque Converter Assembly shall be conducted in accordance with TM 8F152B-25&P/A and ANSI/ISO/ASQC Q9002-1994.

b. The performance of the contractor and the quality of work delivered, including all documentation of material written or compiled, shall be subject to in-process review and inspection during performance. Inspection may be accomplished in-plant or at any work site. The MCLB representative shall be permitted to observe the work and/or to conduct inspections at any reasonable hour. Final inspection and acceptance shall be at the contractors.

c. Failure to comply with any of the specified requirements listed herein shall be reason for rejection by the MCLB representative. The contractor shall, at no additional cost to the Marine Corps, provide the following:

(1) Develop an approach for the correction of all deficiencies.

(2) Upon approval by the MCLB representative, the contractor shall correct the deficiencies and repeat the verification until an acceptable compliance with acceptance test procedure requirements is demonstrated.

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

a. The contractor shall be responsible for preservation and packaging of items rebuilt under the terms of this SOW. Items being prepared for long term storage or shipment to overseas destinations shall be in accordance with level "A" requirements of MIL-STD-2073-1C. Method

55. Items being prepared for domestic shipment or immediate use shall be in accordance with level "B" requirements.

b. Marking 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 rebuilt equipment. The contractor shall be responsible for arranging for shipment to the predesignated site(s). The Marine Corps will be responsible for transportation cost associated with shipping the subject equipment to and from the contractor.

### 3.3 Configuration Control

a. The contractor shall apply configuration control to established configuration items. The contractor shall not implement a design or performance change to any item 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, provides guidance for preparing these configuration change documents. The contractor shall be furnished with MEARS Document Type Definitions (DTD), and either the associated template for the production of electronic RFD/RFWs or the MEARS CREATE application. All electronic change submissions shall be prepared in accordance with the DTD.

b. The submissions of electronic files shall be accomplished by the originator placing the RFD/RFW files on MCLBA shared server drive, FS Group Shared files1@ALADMA05@Serverers on "Street talk" (G), or equivalent address. The originator shall notify the contracting activity of a RFD 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/ statement of work. In the event the Marine Corps does have GFE/GFM requirements, the Management Control Activity (MCA) at MCLB (G316-2/MCA), Albany, Georgia 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 Facility 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 contractor shall requisition through the DOD Supply System. 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 MCLB Albany representative during contract performance. Inspection may be accomplished at any work location. The MCLB Albany representative shall be permitted to observe the work/tasks accomplishment and/or to conduct inspections at any reasonable hour. Acceptance Tests shall be held in-plant. The MCLB Albany representative requires, at a minimum, two weeks notice before any acceptance testing is to be done, to allow for sufficient time for witnessing these tests. Inspection by the MCLB Albany 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 Q9002-1994, Quality System Model for Quality Assurance in Production, Installation, and Servicing. The contractors work shall be subject to in-process reviews and inspections for compliance with these procedures and standards by MCLB Albany 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.

3.6.3 Quality Assurance Inspections will be in accordance with ANSI/ISO/ASQC Q9002-1994 or equivalent. The contractor that is not ANSI/ISO/ASQC Q9002-1994 certified shall submit their Quality Assurance Plan for review to the Assistant Chief of Staff, Logistics Operations Department Code (G316), Marine Corps Logistics Bases, 814 Radford Blvd, Albany, Georgia 31704-1128.

3.6.4 Quality System Plan (QSP) . The contractor shall prepare and submit a QSP. Contractor format is authorized for the QSP which is to be submitted concurrent with the Bid Proposal. One copy is to be submitted to MCLBA (Code 834-1).

3.6.5 Quality assurance operations performed by the contractor shall be subject to the MCLB Albany representative's verification at any reasonable hour. MCLB Albany representative's verification can include, but shall not be limited to the following:

a. Inspection of materials, products, assemblies, subassemblies, and documentation to assess compliance with quality standards.

b. Surveillance of operations to determine that quality assurance, practices, methods, and procedures are being properly applied.

c. Inspections of deliverable products to assure compliance with all requirements of the Torque Converter Assembly rebuild process, this SOW, and applicable documents used herein.

3.6.6 Failure of the contractor to promptly correct deficiencies discovered, shall be reason for suspension of acceptance until corrective action has been made.

#### 4.0 Reports/Documentation

##### 4.1 Report/Documentation

Contractor Format is authorized.

a. Parts Usage (Monthly)

b. Production Report (Monthly)

**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.

<b>A. CONTRACT LINE ITEM NO.</b>	<b>B. EXHIBIT</b>	<b>C. CATEGORY:</b> TOP _____ TM _____ OTHER _____ <b>X</b>
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<b>D. SYSTEM/ITEM</b> Torque Converter Assembly	<b>E. CONTRACT/PR NO.</b>	<b>F. CONTRACTOR</b>
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<b>1. DATA ITEM NO.</b> A001	<b>2. TITLE OF DATA ITEM</b> Production Status Report	<b>3. SUBTITLE</b>
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<b>4. AUTHORITY (Data Acquisition Document No.)</b> DI-MGMT-81255	<b>5. CONTRACT REFERENCE</b> SOW 4.1.b	<b>6. REQUIRING OFFICE</b> MCLBA (834-1)
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<b>7. DD 250 RED</b> LT	<b>8. DIST STATEMENT REQUIRED</b> A	<b>9. FREQUENCY</b> MTHLY	<b>10. DATE OF FIRST SUBMISSION</b> SEE BLK 16	<b>14. DISTRIBUTION</b>		
<b>11. AS OF DATE</b>	<b>12. DATE OF SUBSEQUENT SUBMISSION</b>	<b>a. ADDRESSEE</b> MCLBA (834-1)		<b>b. COPIES</b>		
				Draft	Final	
<b>13. DATE OF SUBSEQUENT SUBMISSION</b>				Reg	Repro	

<b>16. REMARKS</b> Contractor format is authorized.  Blk 4 - 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 the word "CLIN" with "MWSLI" (Master Work Schedule Line Item Number.)  Blks 10 & 12 -The report shall be submitted on the 10th 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.							

<b>17. PRICE GROUP</b>
<b>18. ESTIMATED TOTAL PRICE</b>

<b>G. PREPARED BY</b> <i>RE Hoffman</i>	<b>H. DATE</b> 09/08/99	<b>I. APPROVED BY</b> <i>Plaine Lee</i>	<b>J. DATE</b> 9/8/99
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**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.

<b>A. CONTRACT LINE ITEM NO.</b>	<b>B. EXHIBIT</b>	<b>C. CATEGORY:</b> TDP _____ TM _____ OTHER _____ <b>X</b>
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<b>D. SYSTEM/ITEM</b> Torque Converter Assembly	<b>E. CONTRACT/PR NO.</b>	<b>F. CONTRACTOR</b>
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<b>1. DATA ITEM NO.</b> B001	<b>2. TITLE OF DATA ITEM</b> Parts Usage Report	<b>3. SUBTITLE</b>
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<b>4. AUTHORITY (Data Acquisition Document No.)</b> DI-MISC-80704	<b>5. CONTRACT REFERENCE</b> SOW 4.1.a	<b>8. REQUIRING OFFICE</b> MCLBA (834-1)
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<b>7. DD 250 REQ</b> LT	<b>9. DIST STATEMENT REQUIRED</b> A	<b>10. FREQUENCY</b> MTHLY	<b>12. DATE OF FIRST SUBMISSION</b> SEE BLK 16	<b>14. DISTRIBUTION</b>		
<b>8. APP CODE</b>	<b>11. AS OF DATE</b>	<b>13. DATE OF SUBSEQUENT SUBMISSION</b>	<b>a. ADDRESSEE</b>	<b>b. COPIES</b>		
				Draft	Final	
					Reg	Repro

<b>16. REMARKS</b> Contractor format is authorized. Blk 4 - Delete the following paragraphs. These paragraphs do not apply to this deliverable: 10.1, 10.2, 10.2.4, 10.2.5, 10.2.6, 10.2.7, 10.2.8, and 10.2.9. Blks 10 & 12 -The report shall be submitted on the 10th of each month. The first submission shall be 30 days after the contract award. The Parts Usage 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
	<b>15. TOTAL</b> →	0	1	0

<b>17. PRICE GROUP</b>
<b>18. ESTIMATED TOTAL PRICE</b>

<b>G. PREPARED BY</b> <i>R.E. Hoffman</i>	<b>H. DATE</b> 09/08/99	<b>I. APPROVED BY</b> <i>P. [Signature]</i>	<b>J. DATE</b> 9/8/99
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