

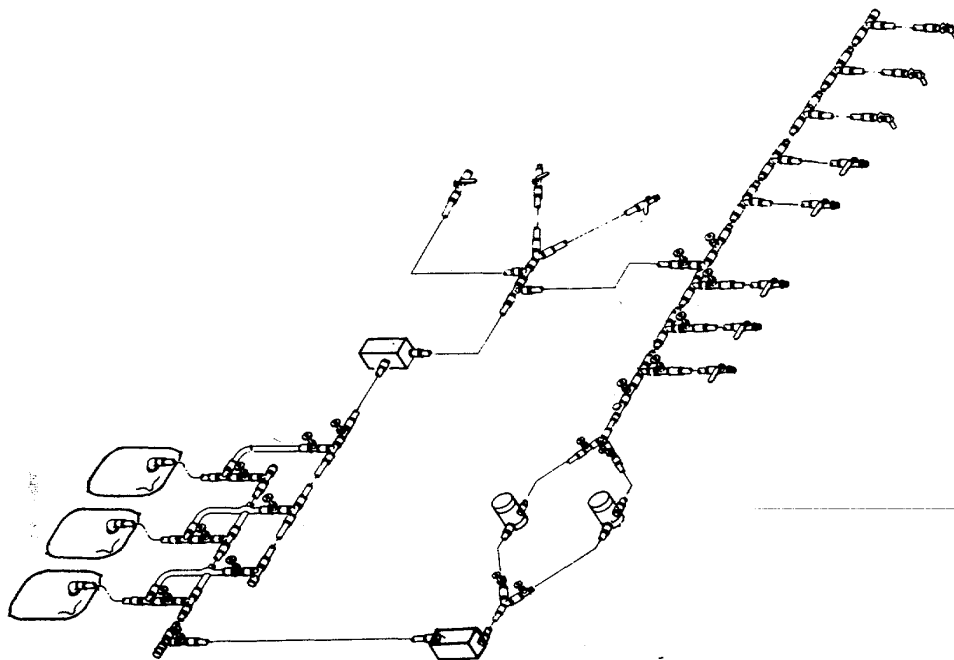
TECHNICAL MANUAL
OPERATOR'S AND UNIT
MAINTENANCE MANUAL
INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST

FUEL SYSTEM SUPPLY POINT

MODEL LAB 6891

NSN 4930-01-347-4793

INTRODUCTION	█
OPERATING INSTRUCTIONS	█
OPERATOR MAINTENANCE	█
UNIT MAINTENANCE	█
COMPONENTS OF END ITEMS LIST	█
REPAIR PARTS AND SPECIAL TOOLS LIST	█
INDEX	█



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HEADQUARTERS, DEPARTMENT OF THE ARMY

31 MARCH 1993

TECHNICAL MANUAL
NO. 10-4930-239-12&P

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON D.C. 31 MARCH 1993

Technical Manual

Operator's and Unit Maintenance Manual
(Including Repair Parts and Special Tools List)
FUEL SYSTEM SUPPLY POINT
MODEL LAB 6891
NSN 4930-01-347-4793
and
MODEL LPI-95-6891
NSN 4930-01-325-2869
Current as of 24 June 1996

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes, or if you know of a way to improve these procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual directly to: Commander, US Army Aviation and Troop Command, ATITN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. You may also submit your recommended changes by E-mail directly to <mpmt%avma28@st-louis-emh7.army.mil>. A reply will be furnished directly to you. Instructions for sending an electronic 2028 may be found at the back of this manual immediately preceding the hard copy 2028.

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TABLE OF CONTENTS

	PAGE	ILLUS/ FIGURE
CHAPTER 1 INTRODUCTION	1-1	
Section I. General Information	1-1	
Section II. Equipment Description and Data	1-2	
Section III. Principles of Operation	1-6	
CHAPTER 2 OPERATING INSTRUCTIONS	2-1	
Section I. Description and Use of Operator's Controls and Indicators	2-2	
Section II. Operator Preventive Maintenance Checks and Services (PMCS)	2-2	
Section III. Operation Under Usual Conditions	2-6	
Section IV. Operation Under Unusual Conditions	2-13	
CHAPTER 3 OPERATOR MAINTENANCE INSTRUCTIONS	3-1	
Section I. Lubrication Instructions	3-1	
Section II. Operator Troubleshooting Procedures.....	3-1	

		PAGE	ILLUS/ FIGURE
Section III.	Operator Maintenance Procedures	3-5	
CHAPTER 4	UNIT MAINTENANCE INSTRUCTIONS	4-1	
Section I.	Repair Parts, Special Tools; Test, Measurement, and Diagnostic Equipment (MDE) and Support Equipment	4-1	
Section II.	Service Upon Receipt and Preparation for Movement	4-1	
Section III.	Unit Preventive Maintenance Checks and Services (PMCS)	4-3	
Section IV.	Troubleshooting Procedures	4-4	
Section V.	Unit Maintenance Procedures	4-5	
Section VI.	Preparation for Storage or Shipment	4-91	
APPENDIX A	REFERENCES	A-1	
APPENDIX B	MAINTENANCE ALLOCATION CHART	B-1	
Section I.	Introduction	B-1	
Section II.	Maintenance Allocation Chart	B-4	
Section III.	Tool and Test Equipment Requirements	B-5	
Section IV.	Remarks	B-6	
APPENDIX C	BASIC ISSUE OF END ITEMS AND BASIC ISSUE ITEMS LIST	C-1	
Section I.	Introduction	C-1	
Section II.	Components of End Items List	C-2	
Section III.	Basic Issues Items	C-9	
APPENDIX D	ADDITIONAL AUTHORIZATION LIST	D-1	
Section I.	Introduction	D-1	
Section II.	Additional Authorization List	D-2	
APPENDIX E	EXPSNDABLE/DURABLE SUPPLIES AND MATERIAL LIST	E-1	
Section I.	Introduction	E-1	
Section II.	Expendable/Durable Supplies and Materials List	E-2	
APPENDIX F	UNIT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST	F-1	
Section I.	Introduction	F-1	
Section II.	Repair Parts List	F-6	
Group 01	Hose Assemblies		
	Hose Assembly, Discharge, 4.00 in. x 10 ft	F-1-1	F-1
	Hose Assembly, Discharge, 4.00 in. x 50 ft	F-2-1	F-2
	Hose Assembly, Discharge, 4.00 in. x 25 ft	F-3-1	F-3

Group 01	Hose Assemblies (continued)		
	Hose Assembly, Discharge, 3.00 in. x 50 ft	F-4-1	F-4
	Hose Assembly, Discharge, 3.00 in. x 25 ft	F-5-1	F-5
	Hose Assembly, Discharge, 1.50 in. x 25 ft	F-6-1	F-6
	Hose Assembly, Discharge, 2.00 in. x 25 ft	F-7-1	F-7
Group 02	Valve Assemblies		
	Butterfly Valve Assembly. 4.00 in.....	F-8-1	F-8
	Valve Assembly, 4.00 in. Gate	F-9-1	F-9
	Gate Valve. 4.00 in	F-10-1	F-10
	Valve Assembly, 3.00 in. x 4.00 in. Gate	F-11-1	F-11
	Valve Assembly, 1.50 in., Quick Acting	F-12-1	F-12
	Valve Assembly, 2.00 in., Quick Acting.	F-13-1	F-13
	Valve Assembly, 4.00 in., Quick Acting.	F-14-1	F-14
Group 03	Manifold Assemblies		
	Manifold Assembly, Type I	F-15-1	F-15
	Manifold Assembly, Type II	F-16-1	F-16
Group 04	Tee Assemblies		
	Tee Assembly, Quick Disconnect, 4.00 in	F-17-1	F-17
	Tee Assembly, Quick Disconnect, 4.00 in. Male x 4.00 in. Female x 4.00 in. Male	F-18-1	F-18
	Tee Assembly, 3.00 in. x 3.00 in. x 2.00 in.	F-19-1	F-19
	Tee Assembly, 3.00 in. x 3.00 in. x 1.50 in.	F-20-1	F-20
Group 05	Wye Assemblies		
	Wye and Tee Assembly, 4.00 in	F-21-1	F-21
	Wye Assembly, Quick Disconnect	F-22-1	F-22
	Wye Assembly, Quick Disconnect, 4.00 in. Male x 4.00 in. Female x 4.00 in. Male	F-23-1	F-23
Group 06	Adapter Assemblies		
	Adapter, Water Detector	F-24-1	F-24
	Adapter, Double, 3.00 in.	F-25-1	F-25
	Adapter, Double, 1.50 in	F-26-1	F-26
	Adapter, Double, 4.00 in	F-27-1	F-27
Group 07	Nozzle Assemblies		
	Nozzle Assembly, 1.50 in.	F-28-1	F-28
	Valve Assembly, 1.00 in	F-29-1	F-29
Group 08	Miscellaneous		
	Miscellaneous	F-30-1	F-30
Group 99	Bulk Materials		
	Bulk Materials	Bulk-1	Bulk
Section III	Special Tools List (Not Applicable)		
Section IV	Cross Reference Indexes	I-1	
	National Stock Number Index	I-1	
	Part Number Index	I-4	
	Figure and Item Number Index	I-11	
APPENDIX G	TORQUE LIMITS	G-1	
ALPHABETICAL INDEX			Index-1

LIST OF ILLUSTRATIONS

Figure No.	Title	Page
1-1	Fuel System Supply Point	1-0
1-2	Location of Major Components	1-3
1-3	Operation of Fuel System Supply Point	1-7
2-1	Typical Set Up of Fuel System Supply Point	2-7
2-1.1	Spill Control Kit	2-12.3
4-1	Hose Assembly	4-7
4-2	Clamp Installation Using Clamping Tool (Appendix C, Item 37)	4-9
4-3	Clamp Installation Using Clamping Tool (Appendix C, Item 38)	4-11
4-4	Butterfly Valve Assembly, 4.00 Inch	4-13
4-5	Valve Assembly, 4.00 Inch Gate	4-17
4-6	Valve Assembly, 3.00 Inch x 4.00 Inch Gate	4-21
4-7	Valve Assembly, 1.50 Inch Quick Acting	4-25
4-8	Valve Assembly, 2.00 Inch Quick Acting	4-29
4-9	Valve Assembly, 4.00 Inch, Quick Acting	4-33
4-10	Valve, 4.00 Inch Gate	4-37
4-11	Manifold Assembly, Type I	4-41
4-12	Manifold Assembly, Type HI	4-45
4-13	Tee Assembly, 4.00 Inch Male x 4.00 Inch Female x 4.00 Inch Female	4-49
4-14	Tee Assembly, 4.00 Inch Male x 4.00 Inch Male x 4.00 Inch Female	4-53
4-15	Tee Assembly, 3.00 Inch Male x 2.00 Inch Male x 3.00 Inch Female	4-57
4-16	Tee Assembly, 3.00 Inch Male x 1.50 Inch Male x 3.00 Inch Female	4-61
4-17	Wye and Tee Assembly, 4.00 Inch	4-65
4-18	Wye Assembly, 4.00 Inch Female to Male	4-69
4-19	Wye Assembly, 4.00 Inch Male to Female	4-73
4-20	Adapter, Water Detector and Probe Assembly	4-77
4-21	Adapter, Double, 1.50 Inch, 3.00 Inch and 4.00 Inch	4-81
4-22	Nozzle Assembly, 1.00 Inch	4-83
4-23	Nozzle Assembly, 1.50 Inch	4-87

LIST OF TABLES

Table No.	Title	Page
1-1	Equipment Data	1-5
2-1	Operator Preventive Maintenance Checks and Services	2-3
3-1	Operator Troubleshooting	3-2
4-1	Unit Troubleshooting	4-4

HOW TO USE THIS MANUAL

GENERAL. This technical provides you with the information needed to operate and to maintain the Fuel System Supply Point (FSSP). By properly using this manual, you will be able to identify any problem you may have in operating the FSSP and then locate the proper procedure needed to correct any problem found.

MANUAL ORGANIZATION. This manual has been organized in a manner that groups together the information that an operator or a maintenance technician will need to perform their duties. The following list indicates how this information has been organized.

- | | |
|-------------------|---|
| Chapter 1 | This chapter contains a complete description of the FSSP and includes such information as general equipment data, location/descriptions of the major FSSP components, and the general theory of operations of the FSSP. |
| Chapter 2 | The information needed to set up and to operate the FSSP are included in this chapter. It includes assembly information, operator PMCS, and special instructions for unusual or emergency conditions. |
| Chapter 3 | All operator maintenance procedures have been placed within this chapter. |
| Chapter 4 | In the event that unit level maintenance is required for the FSSP, the required maintenance instructions can be found in this chapter. |
| Appendix F | If you find that a part or component of the FSSP is damaged and must be replaced, you can identify the part needed by referring to the illustrations and parts lists found in this Repair Parts and Special Tools List. |

AIDS TO FINDING INFORMATION The following aids have been placed within this technical manual to help you quickly locate the information you may need.

- | | |
|-------------------------------|---|
| Front Cover Index | To provide you with a quick reference to the most used portions of this technical manual, an index of these areas has been placed on the front cover of this manual. |
| Bleeder Edges On Pages | On the right edge of the front cover index of this manual you will see a black box area that goes to the edge of the front cover page. If you hold this manual with you left hand and bend back the outer right edges of the pages with your right hand, you will find that there are pages inside the technical manual that also have black boxes on the right edges of the page and that these boxes line up with the boxes on the front cover index. By turning to the page in the technical manual that lines up with the box on the front cover, you will be able to quickly turn to the topic shown in the front cover index. |

Table Of Contents And Boxed Titles	In the event that the front cover has been removed from this manual, the items that appear in the front cover index have also been placed in a box where they appear in the Table of Contents of this manual.
Alphabetical Index	To assist you in locating any other information not found in the front cover index or the Table of Contents, an alphabetical index has been placed in the back of this manual to help you find any information you may need.

GENERAL MAINTENANCE METHOD. Although your local standard operating and maintenance procedure may vary, a simple method of using this technical manual to operate and maintain the FSSP is shown in the following steps.

WARNINGS And CAUTIONS.

Always Read, Understand, and Perform ALL WARNINGS and CAUTIONS Found In This Technical Manual BEFORE Performing The Step Immediately Following The WARNING or CAUTION.

Throughout this technical manual there are certain procedures and operations that are hazardous to you or to the FSSP. If you see a **WARNING**, pay special attention to the information stated in it because all WARNINGS provide you with data that will prevent serious injury to you or others around you. When you see a **CAUTION** read it carefully because the information given in it will keep you from damaging the FSSP and making the FSSP unable to fulfill its mission.

Equipment Set Up And Operation. Unpack and set up the FSSP in accordance with the procedures shown in Chapter 2.

Preventive Maintenance Checks And Services (PMCS). Perform the operator PMCS procedures shown in Chapter 2.

Troubleshooting Procedures. If the FSSP should not operate properly, refer to either the operating troubleshooting procedures in Chapter 3 or the unit troubleshooting procedures in Chapter 4. The most likely FSSP malfunctions have been placed within these troubleshooting procedures and a test and/or repair procedure paragraph has been indicated to correct the malfunction found. If a repair is required, refer to the maintenance shown in the troubleshooting procedure.

Maintenance Procedures. The complete repair procedures needed to correct a problem found with the FSSP have been included in Chapters 3 and 4.

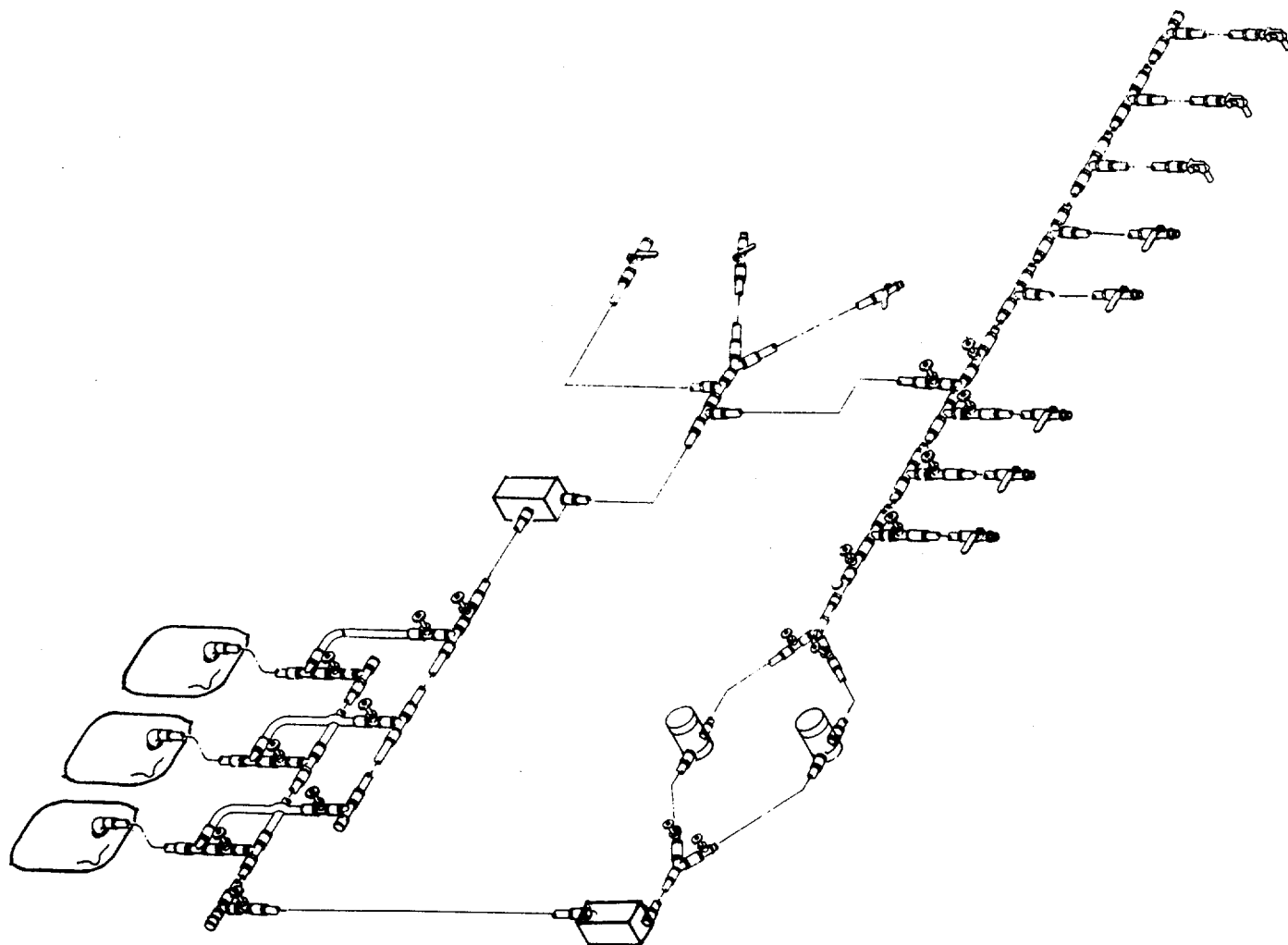


Figure 1-1. Fuel System Supply Point.

CHAPTER 1**INTRODUCTION****Section I. GENERAL INFORMATION****1-1. SCOPE.**

- a. Type of Manual. Operator's and Unit Maintenance Manual (Including Repair Parts and Special Tools List).
- b. Model Number and Equipment Name. LaBarge Military Products Model Numbers LAB 6891 and LPI-95-6891, Fuel System Supply Point (FSSP).
- c. Purpose of Equipment. The FSSP covered by this manual is a specially assembled group of components designed to be used by forward area personnel to receive, dispense, and store automotive gasoline, aviation gasoline, jet fuel, and diesel fuel.

1-2. MAINTENANCE FORMS AND RECORDS. Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA PAM 738-750. The Army Maintenance Management System (TAMMS) (Maintenance Management UPDATE).

1-3. CORROSION AND PREVENTION CONTROL. Corrosion Prevention and Control (CPC) of Army materiel is a continuing concern. It is important that any corrosion problems with this item be reported so that the problem can be corrected and improvements can be made to prevent the problem in future items.

While corrosion is typically associated with the rusting of metals, it can also include deterioration of other materials such as rubber and plastic. Unusual cracking, softening, swelling, or breaking of the materials may be a corrosion problem.

If a corrosion problem is identified, it can be reported using Standard Form 368, Product Quality Deficiency Report. Use of key word such as "rust", "deterioration", "corrosion", or "cracking" will insure that the information is identified as a CPC problem. The form should be submitted to the address specified in the DA PAM 738-750.

1-4. DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE. Refer to TM 750-244-3, Procedures for Destruction of Equipment to Prevent Enemy Use.

1-5. PREPARATION FOR STORAGE OR SHIPMENT. Contact unit maintenance for preparation and storage or shipment. Refer to Section VI, Chapter 4.