

**HAND RECEIPT**  
**COVERING CONTENTS OF**  
**COMPONENTS OF END ITEM (COEI),**  
**BASIC ISSUE ITEMS (BII),**  
**AND ADDITIONAL AUTHORIZATION LIST (AAL)**  
**FUEL SYSTEM, SUPPLY POINT**  
**MODEL LAB 6891**  
**NSN 4930-01-347-4793**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY**  
**15 MAY 1995**

TECHNICAL MANUAL  
NO. 10-4930-239-10-HR

HEADQUARTERS,  
DEPARTMENT OF THE ARMY  
WASHINGTON D.C., 15 MAY 1995

HAND RECEIPT

COVERING CONTENTS OF  
COMPONENTS OF END ITEM (COEI)  
BASIC ISSUE ITEMS (BII)  
AND ADDITIONAL AUTHORIZATION LIST (AAL)

FUEL SYSTEM, SUPPLY POINT  
MODEL LAB 6891  
NSN 4930-01-347-4793

**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, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. A reply will be furnished directly to you.

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**SECTION I. INTRODUCTION**

**1. SCOPE.** This publication provides an overprinted DA Form 2062 (Hand Receipt) which lists the contents of Components of End Item (COEI), Basic Issue Items (BII), and Additional Authorization List (AAL) items related to the FUEL SYSTEM, SUPPLY POINT, MODEL LAB 6891.

**2. GENERAL.**

a. Section II is the overprinted DA Form 2062 which lists the line item entry for system/end item and the content of COEI, BII, and AAL extracted from TM 10-4930-239-12&P. The listings consist of exactly the same items and are in the same sequence as those listings in TM 10-4930-239-12&P.

b. The overprinted DA Form 2062 will eliminate manual preparation of the form and will assist organizations in inventorying and accounting for property as required by AR 710-2.

c. Local reproduction of the overprinted DA Form 2062 is authorized. However, organizations will comply with local policies in the reproduction of DA Form 2062 by office copying equipment, field printing plant, or duplicating plant facilities.

d. Additional copies may be requisitioned from the U.S. Army Publications Distribution Center, 2800 Eastern Boulevard, Baltimore, MD 21220-2896, in accordance with Chapter 12, AR 25-30.

**3. EXPLANATION OF BLOCKS AND COLUMNS (DA FORM 2062).** Refer to DA Pam 710-2-1, Chapter 6, for additional information required to complete DA Form 2062.

- a. FROM. Enter the organization, unit, section or squad which issues the property.
- b. TO. Enter the Unit Identifier Code (UIC) and the hand receipt file number of the unit/personnel receiving the property.
- c. HAND RECEIPT NUMBER. Enter a locally designated number. Use it to post the location of property in the property book.
- d. END ITEM STOCK NUMBER. Contains the National Stock Number (NSN) of the end item covered by the hand receipt.
- e. END ITEM DESCRIPTION. Contains the end item short title.
- f. PUBLICATION NUMBER. Contains the TM number of the technical manual containing the operator/crew instructions for the equipment.
- g. PUBLICATION DATE. Date of the operator/crew technical manual.
- h. QUANTITY. Quantity of the end item covered by this hand receipt.
- i. STOCK NUMBER (column a). National stock number of the item described. Items without stock numbers should be requisitioned by Commercial and Government Entity Code (CAGEC) and part number with exception data in accordance with AR 710-2.
- j. ITEM DESCRIPTION (column b). Enter a description of the end item, to include the make or model, and the serial /USA number, followed by item description of COEI, BII, and AAL items. In addition, it will contain the 5-digit Commercial and Government Entity Code (CAGEC), Part Number (P/N), and "Used On Code," if applicable.
- k. \*(column c). The Accounting Requirements Code (ARC) is provided here. One of the following ARC's will apply:

**NOTE**

**The Accounting Requirements Code (ARC) refers to property accountability, not the Recoverability Code (RC). The ARC and the RC are listed in the Army Master Data File (AMDF).**

- N - Nonexpendable: Items not consumed in use, retaining their identity during use, and requiring that accountability be maintained throughout the life of the item.
- D - Durable: Nonconsumable components of sets, kits, out-fits, and assemblages; all tools in FSC's 5110, 5120, 5130, 5133, 5136, 5140, 5180, 5210, 5220, and 5280; and any other nonconsumable with a price in excess of \$50.00 not already "N".
- X Expendable: Items regardless of type classification or price and which are consumed in use. Includes all class 9-repair parts. Items not consumed in use which cost \$50.00 or less and not already "N" or "D."

i. SEC (column d). The Controlled Inventory Item Code (formerly SEC code) is entered here. This is a one-position code which indicates the security classification, security risks, or pilferage controls required for storage or transportation of assets. Order of precedence for assignment of codes is classified, sensitive, pilferable, unclassified, as applicable. Codes applicable to this hand receipt are as follows:

SEC CODE	CONTROLLED INVENTORY ITEM CODE
U	UNCLASSIFIED PILFERABLE ITEMS
M	Hand tools and shop equipment
J	Pilferable item due to its size, shape and utility, which does not fall under one of the above categories. Pilferage controls may be designated by the coding activity to items coded U (unclassified) by recording the items to J

m. UI (column e). Unit of Issue. Refer to AR 708-1 and/or CDA Pam 18-I (Catalog Data Activity) for explanation of abbreviations used in this column.

n. QTY AUTH (column f). The quantity authorized to be on hand, or part of the end item.

o. QUANTITY (column g). Actual quantity on hand. Subcolumns A through F are to be filled in by the receiving unit/personnel in accordance with DA Pam 710-2-1, chapter 6.

p. PAGE\_\_OF\_\_PAGES. Contains page number and total number of pages for the COEI, BII, and AAL portions of the hand receipt. Hand receipt holder will initial each page No. (only when two or more forms are involved). When hand receipt holders change, the old initials will be lined out and the new hand receipt holder will initial each page.

**4. AUTHORIZATION DOCUMENTS.**

- a. Components of End Item (COEI) are authorized by the applicable Repair Parts and Special Tools List (RPSTL).
- b. Basic Issue Items (BII) are authorized by the applicable operator's manual.
- c. Additional Authorization List (AAL) items are authorized by appropriate MTOE, TDA, CTA or JTA authorization documents.

**5. SPECIAL INFORMATION.** Coded instructions below are provided for various AAL components. These components are identified by one of the codes shown below. This code is annotated on the DA Form 2062 in column A immediately following the NSN.

- (A) Item is not issued initially with the Fuel System Supply Point (FSSP). Requisitions for the required quantity listed must be submitted through normal supply channels.
- (B) One Adapter Assembly, Water Detection Kit, is required with each FSSP. Item to be installed after the Filter Separator, in the main line, to monitor all fuel after filtration and before final delivery.
- (C) Unit of Issue (U/I) for three tank assemblies is listed as required (AR) as any combination of the 3,000, 10,000, or 20,000 may be required for the FSSP mission to accommodate the fuel consumption in a given area.
- (D) Item is not issued initially as a component of the set. The item may be requisitioned in authorized quantities as required (AR) only when authorized by the Commanding Officer.
- (E) U/I differs from Army Master Data File Retrieval Microfilm System (AMDF). The UA denotes the required quantity for this kit.
- (F) Item shall be issued in one continuous length "only."

**3/(4 blank)**

<b>HAND RECEIPT/ANNEX NUMBER</b> <i>For use of this form, see DA PAM 710-2-1.</i> <i>The proponent agency is ODCSLOG.</i>	FROM:	TO:	HAND RECEIPT NUMBER
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FOR ANNEX CR ONLY	END ITEM STOCK NUMBER <b>4930-01-347-4793</b>	END ITEM DESCRIPTION <b>FUEL SYSTEM, SUPPLY POINT, PORTABLE</b>	PUBLICATION NUMBER	PUBLICATION DATE <b>TM 10-4930-239-10-HR</b>	QUANTITY <b>15 MAY 1995</b>
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STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	★ <i>c.</i>	SEC <i>d.</i>	UI <i>e.</i>	QTY AUTH <i>f.</i>	g. QUANTITY					
						A	B	C	D	E	F
	COMPONENTS OF END ITEM (COEI)										
	NOZZLE ASSEMBLY, FUEL AND OIL (97403) 13229E9838-1	X		EA	1						
	NOZZLE ASSEMBLY, FUEL AND OIL (97403) 13229E9838-1	X		EA	3						
4730-01-096-1041	WYE AND TEE ASSY (97403) 13229E6042	X		EA	1						
4730-00-075-2407	WYE ASSY (4" F X M X M) (97403) 13229E6037 997403) 5-14-676ASSYH	X		EA	1						
4730-00-075-2408	WYE ASSY (4" M X F X F) (97403) 13229E6038 (97403) 5-14-676J	X		EA	1						
	TEE ASSY (3" M X 2" M X 3" F) (97403) 13229E6061	X		EA	1						
4730-01-096-1039	TEE ASSY (3" M X 1.5" M X 3" F) (97403) 13229E9884	X		EA	4						
4730-00-075-2405	TEE ASSY (4" M X 4" F X 4" M) (97403) 13229E6039	X		EA	5						
	TEE ASSY (4" M X 4" F X 4" F) (97403) 13229E6465 (97403) 5-14-676-C	X		EA	1						
4730-00-842-0851	MANIFOLD ASSY, QUICK (4" TYPE I) (97403) 13200E0068	X		EA	3						
4730-00-842-0850	MANIFOLD ASSY, QUICK (4" TYPE II) (97403) 13200E0803	X		EA	3						

★ WHEN USED AS A:  
 HAND RECEIPT, enter Hand Receipt Annex Number  
 HAND RECEIPT FOR QUARTERS FURNITURE, enter Condition Codes  
 HAND RECEIPT ANNEX/COMPONENTS RECEIPT, enter Accounting Requirements Code (ARC).

STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	★ <i>c.</i>	SEC <i>d.</i>	UI <i>e.</i>	QTY AUTH <i>f.</i>	g. QUANTITY					
						A	B	C	D	E	F
4720-00-529-5538	HOSE ASSY, (4" X 12') (81349) M370B09B2A1440	X		EA	65						
4720-00-075-4771	HOSE ASSY, (1.5" X 25') (81349) M11588-03-07-32-300	X		EA	4						
4720-01-231-5333	HOSE ASSY, (2" X 25') (81349) M11588-03-08-32-300 (81349) M11588-03-08-25FTLG	X		EA	1						
4720-00-864-0300	HOSE ASSY, (3" X 25') (81349) M11588-03-10-32-300 (01413) 112704-15	X		EA	2						
4720-00-083-0048	HOSE ASSY, (3" X 50') (81349) M11588-03-10-32-600 (81349) M11588-03-10-32	X		EA	3						
4720-00-083-0047	HOSE ASSY, (4" X 25') (81349) M11588-03-11-32-300 (73842) 553104425	X		EA	9						
4720-00-083-0046	HOSE ASSY, (4" X 50') (81349) M11588-03-11-32-600 (73842) 553-104-4-50	X		EA	4						
4820-01-102-8757	VALVE ASSY, QUICK (BALL, 1.5") (97403) 13222E9886	X		EA	1						
4820-01-098-3952	VALVE ASSY, BALL, 2" (97403) 13222E9887	X		EA	1						
	VALVE ASSY, QUICK (BUTTERFLY, 4" X 3") (97403) 13229E6060	X		EA	3						
	VALVE ASSY, QUICK (BUTTERFLY, 4") (97403) 13229E6466	X		EA	3						
	VALVE ASSY, QUICK (3" X 4") (97403) 13229E6040	X		EA	1						
4820-01-210-5605	VALVE ASSY, QUICK (F X F 1.5) (97403) 13226E8282	X		EA	11						
4730-01-096-1042	COUPLING ASSY, QUICK (FX F 1.5") (97403) 13227E9890	X		EA	1						
4730-01-096-1043	COUPLING ASSY, QUICK (F X F 3") (97403) 13222E9891	X		EA	3						

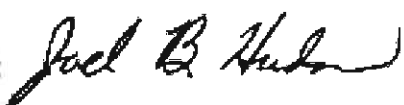
HAND RECEIPT/ANNEX NUMBER <i>For use of this form, see DA PAM 710-2-1. The proponent agency is ODCSLOG.</i>		FROM:	TO:				HAND RECEIPT NUMBER					
FOR ANNEX CR ONLY	END ITEM STOCK NUMBER 4930-01-347-4793	END ITEM DESCRIPTION FUEL SYSTEM, SUPPLY POINT, PORTABLE			PUBLICATION NUMBER TM 10-4930-239-10-HR		PUBLICATION DATE 15 MAY 1995		QUANTITY			
STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	★ <i>c.</i>	SEC <i>d.</i>	UI <i>e.</i>	QTY AUTH <i>f.</i>	g. QUANTITY						
						A	B	C	D	E	F	
4730-01-096-1044	COUPLING ASSY, QUICK (F X F 4") (97403) 13222E9892	X		EA	4							
4730-00-951-3293	REDUCER, QUICK (4"F X 3"M) (96906) MS49000-1	X		EA	1							
4730-00-889-2382	REDUCER, QUICK (1.5"F X 1"M) (96906) MS49000-7	X		EA	3							
4730-00-951-3296	REDUCER, QUICK (4"M X 3"F) (96906) MS49000-9	X		EA	2							
4730-01-078-8130	NIPPLE, QUICK (TYPE XXI, 3", M X M) (96906) MS39352-15	X		EA	3							
4730-00-935-1613	NIPPLE, QUICK (TYPE XXI, 4", M X M) (96906) MS39352-19	X		EA	3							
4730-01-640-6156	CAP, QUICK 4" (96906) MS27028-17	X		EA	4							
4730-01-640-6188	PLUG, QUICK 4" (96906) MS27029-17	X		EA	4							
5975-01-050 5707	GROUND ROD (97403) 13219E0462 (90598) FARE 0462	X		EA	14							
4210-01-237-2887	EXTINGUISHER, FIRE, DRY CHEMICAL (58536) A-A-393, TY 1, CL 2, SZ 20	X		EA	16							
	FUEL SPILLCONTROL KIT, FSSP (97403) 13228E3337-1	X		EA	1							
	WITHIN ABOVE SPILL RESPONSE KIT, (97403) 13228E3337-1-13/(1JA49) KIT202 IS AN OPTIONAL REPLACEMENT WITH THE FOLLOWING ITEMS:											
	ABSORBANT (1JA49) PLP301	X		EA	1							
	HEAVYWEIGHT PLASTIC BAG (ORDA8) 56-495A5	X		EA	1							
	OPEN HEAD PLASTIC DRUM (2R639) N357FRC	X		EA	1							



STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	★ <i>c.</i>	SEC <i>d.</i>	UI <i>e.</i>	QTY AUTH <i>f.</i>	g. QUANTITY					
						A	B	C	D	E	F
4930-01-013-7590	ADAPTER ASSY, WATER DETECTOR KIT (97403) 13220E9406-2	X		EA	1						
5430-00-244-7327	SEAL STRAPPING 3/4" (100 COUNT) (70847) C256	X		BX	1						
5430-00-244-7325	SEAL STRAPPING 1/2" (100 COUNT) (70847) C254	X		BX	1						
8030-00-837-5885	SEALING COMPOUND (81349) MIL-S-45180, TY II (62377) FORMAGASKET2	X		QT	2						
5340-00-245-9440	STRAPPING 3/4" (100 FT) (70847) C206	X		RL	1						
5340-00-245-9438	STRAPPING 1/2" (100 FT) (70847) C204	X		RL	1						
5120-00-359-6587	CLAMPING TOOL, 318" X 518" (70847) S38	D		EA	1						
5120-00-278-9925	CLAMPING TOOL, 3/8" X 314" (81349) GGG-C-413	D		EA	1						
5120-00-240-5328	WRENCH, ADJ 0-15/16" (58536) A-A-2344	D		EA	2						
5120-00-357-8431	WRENCH, COUPLING, TANK CAR (24869) G10	D		EA	1						
5120-01-192-9403	WRENCH, CHAIN, NON SPARKING 6" CAP (55719) CW24	D		EA	2						
	<b>BASIC ISSUE ITEMS (BII)</b>										
	TM 10-4930-239-12&P	D		EA	1						
	<b>ADDITIONAL AUTHORIZED LIST (AAL)</b>										
(A)	ADAPTER KIT, NATO, TANKER TRUCK (97403) 13222E8212	X		EA	2						
4730-00-360-0913 (D)	COUPLING HALF, QUICK (3"M TO 3" ENT NPT) (96906) MS27022-15	X		AR	1						
(A)	COUPLING NATO, RAIL TANK CAR (97403) 13222E8219	X		EA	2						

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STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	★ <i>c.</i>	SEC <i>d.</i>	UI <i>e.</i>	QTY AUTH <i>f.</i>	g. QUANTITY						
						A	B	C	D	E	F	
4330-00-177-8485 (A)	FILTER-SEPARATOR (81349) MIL-F-52666 (97403) 13217E9320	X		EA	2							
(A)	KIT, DEFUELING, WET WING (97403) 13229E9977	X		EA	1							
4930-00-106-8672 (A)	METER ASSY, SKID MOUNTED (81349) MIL-M-82180,31N (44674) LD01346-003	X		EA	1							
4320-01-067-0223 (A)	PUMPING ASSY, FLAMMABLE LIQUID, WHL MTD (350 GPM) (81349) MIL-P-52144, TY 1, ST A (97403) 13220E1070	X		EA	2							
4730-01-186-0819 (A)	COUPLING HALF, QUICK (4" M X 3" EXT NPT) (96906) MS49001-13	X		AR	1							
4930 01-120-7426 (A)	STAND ASSY (97403) 13225E9140	X		EA	3							
5430-00-268-8187 (A) (C) (E)	TANK ASSY, FABRIC, COLLAPSIBLE (3K GAL) (81349) MIL-T-52983 (81349) M52983-03	X		AR	1							
5430-00-641-8552 (A) (C) (E)	TANK ASSY, FABRIC, COLLAPSIBLE (1 OK GAL) (81349) MIL-T-52983 (81349) M52983-10	X		AR	1							
5430-01-126-7623 (A) (C) (E)	TANK ASSY, FABRIC, COLLAPSIBLE (20K GAL) (81349) MIL-T-52983 (81349) M52983-20	X		AR	1							
4820-00-165-0960 (A)	VALVE COUPLING (3" INT NPT X 3" DRY BREAK, SAUDI TANK TRUCK OR TRAILER (ONTT4) J1407-002	X		AR	1							

By Order of the Secretary of the Army:

Official: 

JOEL B. HUDSON  
Acting Administrative Assistant to the  
Secretary of the Army  
00282


GORDON R. SULLIVAN  
General, United States Army  
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		FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)		
PUBLICATION NUMBER		DATE SENT		
PUBLICATION DATE		PUBLICATION TITLE		
BE EXACT PIN-POINT WHERE IT IS				
PAGE NO.	PARA- GRAPH	FIGURE NO.	TABLE NO.	<p style="font-weight: bold; margin-top: 0;">IN THIS SPACE, TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT.</p>
PRINTED NAME, GRADE OR TITLE AND TELEPHONE NUMBER			SIGN HERE	

## The Metric System and Equivalents

### Linear Measure

1 centimeter = 10 millimeters = .39 inch  
 1 decimeter = 10 centimeters = 3.94 inches  
 1 meter = 10 decimeters = 39.37 inches  
 1 dekameter = 10 meters = 32.8 feet  
 1 hectometer = 10 dekameters = 328.08 feet  
 1 kilometer = 10 hectometers = 3,280.8 feet

### Weights

1 centigram = 10 milligrams = .15 grain  
 1 decigram = 10 centigrams = 1.54 grains  
 1 gram = 10 decigrams = .035 ounce  
 1 decagram = 10 grams = .35 ounce  
 1 hectogram = 10 decagrams = 3.52 ounces  
 1 kilogram = 10 hectograms = 2.2 pounds  
 1 quintal = 100 kilograms = 220.46 pounds  
 1 metric ton = 10 quintals = 1.1 short tons

### Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce  
 1 deciliter = 10 centiliters = 3.38 fl. ounces  
 1 liter = 10 deciliters = 33.81 fl. ounces  
 1 dekaliter = 10 liters = 2.64 gallons  
 1 hectoliter = 10 dekaliters = 26.42 gallons  
 1 kiloliter = 10 hectoliters = 264.18 gallons

### Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch  
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches  
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet  
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet  
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres  
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

### Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch  
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches  
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

## Approximate Conversion Factors

<i>To change</i>	<i>To</i>	<i>Multiply by</i>	<i>To change</i>	<i>To</i>	<i>Multiply by</i>
inches	centimeters	2.540	ounce-inches	Newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29.573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	Newton-meters	1.356	metric tons	short tons	1.102
pound-inches	Newton-meters	.11296			

### Temperature (Exact)

°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C
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