

HAND RECEIPT

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

FOR

**SURVEY INSTRUMENT
AZIMUTH, GYRO, LIGHTWEIGHT
(LEAR SIEGLER, INC. MODEL AG-8), TYPE I
NSN 6675-00-062-8579**

This manual supersedes TM 5-6675-250-12-HR, 15 June 1979.

Approved for public release. Distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY

20 JANUARY 1988

HAND RECEIPT

TM 5-6675-250-10-HR

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 20 January 1988

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

FOR

SURVEY INSTRUMENT; AZIMUTH, GYRO LIGHTWEIGHT

(LEAR SIEGLER, INC. MODEL AG-8) , TYPE I

NSN 6675-00-062-8579

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REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistake or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to Commander, U.S. Army Troop Support Command, ATTN:AMSTR-MCTS, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. A reply will be furnished directly to you.

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HAND RECEIPT FOR CONTENTS OF
 COMPONENTS OF END ITEM (COEI), BASIC ISSUE ITEMS (BII), AND
 ADDITIONAL AUTHORIZATION LIST (AAL) ITEMS FOR

SURVEY INSTRUMENT, AZIMUTH GYRO, LIGHTWEIGHT
 NSN 6675-00-062-8579

Section I. INTRODUCTION

1. SCOPE. This publication provides 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 Survey, Instrument: Azimuth, Gyro, Lightweight.

2. GENERAL.

a. Section II is the overprinted DA Form 2062 which lists the content of COEI, BII, and AAL extracted from TM 5-6675-250-10. The listings consist of exactly the same items and are in the same sequence as those listings in TM 5-6675-250-10.

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 shall comply with local policies on the reproduction of DA Form 2062 by office copying equipment, field printing plant, or duplicating plant facilities.

d. Additional copies of this publication may be requisitioned from: U.S. Army Adjutant General Publications Center, 2800 Eastern Boulevard, Baltimore, MD 21220-2896. See DA Pamphlet 310-10-2 for proper requisitioning procedure.

3. EXPLANATION OF BLOCKS AND COLUMNS (DA Form 2062). Refer to DA PAM 710-2-1, Chapter 6. Additional information required to complete DA Form 2062 is listed below:

a. Hand receipts shall identify the accounting requirement status of all line item entries via column co One of the following Accounting Requirement Code (ARC) will apply:

(N) for Nonexpendable: Items not consumed in use, retaining their identity during use, and requiring that accountability be maintained throughout the life of the item.

(D) for Durable: Nonconsumable components of sets, kits, outfits, 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) for 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."

b. Authorization documents are as follows:

(1) Components of End Item (COEI) are authorized by the applicable Repair Parts and Special Tools List (RPSTL).

(2) Basic Issue Items (BII) are authorized by the applicable operator's manual .

(3) Additional Authorization List (AAL) items are authorized by the appropriate MTOE, TDA, CTA, or JTA authorization documents.

Section II. Hand Receipt

| 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 | END ITEM DESCRIPTION | PUBLICATION NUMBER | | | PUBLICATION DATE | QUANTITY | | | | |
| | 6675-00-062-8579 | Survey Equipment | TM 5-6675-250-10 | | | 30 June 1986 | | | | | |
| STOCK NUMBER <i>a.</i> | ITEM DESCRIPTION <i>b.</i> | * | SEC | UI | QTY AUTH <i>f.</i> | QUANTITY <i>g.</i> | | | | | |
| | | | | | | A | B | C | D | E | F |
| 6675-00-062-8579 | SURVEY INSTRUMENT, AZIMUTH, GYRO LIGHTWEIGHT | N | | EA | | | | | | | |
| | MODEL AG-8 | | | | | | | | | | |
| | COMPONENTS OF END ITEM (COEI) | | | | | | | | | | |
| 6675-00-621-0771 | ELECTRONIC CONTROL UNIT | X | | EA | 1 | | | | | | |
| 6675-00-623-7299 | GYROSCOPIC REFERENCE UNIT | X | | EA | 1 | | | | | | |
| 6675-00-623-7301 | THEODOLITE: DKMI-02MIL | N | | EA | 1 | | | | | | |
| 6675-00-623-7373 | TRIPOD ASSEMBLY | X | | EA | 1 | | | | | | |
| 6675-00-006-3619 | TRIPOD ADAPTER ASSEMBLY | X | | EA | 1 | | | | | | |
| 6675-01-040-1380 | TRANSPORT CASE | X | | EA | 1 | | | | | | |
| 6675-01-047-9640 | TRANSIT CASE | X | | EA | 1 | | | | | | |
| 6150-01-041-8377 | CABLE ASSEMBLY, DC POWER EXTENSION, W3 | X | | EA | 1 | | | | | | |
| 6150-01-041-4340 | CABLE ASSEMBLY, DC POWER ADAPTER, W5 | X | | EA | 1 | | | | | | |
| 6150-01-046-0117 | CABLE ASSEMBLY, JUMPER, W6 | X | | EA | 1 | | | | | | |
| 6150-01-042-4635 | LEAD, ELECTRICAL, DC POWER | X | | EA | 1 | | | | | | |
| <p>* 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).</p> | | | | | | | | | | | |

| STOCK NUMBER a. | ITEM DESCRIPTION b. | * | SEC d. | UI e. | QTY AUTH f. | g. QUANTITY | | | | | |
|-------------------------|--|---|-----------|----------|-------------------|-------------|---|---|---|---|---|
| | | | | | | A | B | C | D | E | F |
| COEI - Continued | | | | | | | | | | | |
| 6150-01-043-9698 | CABLE ASSEMBLY, INTERCONNECT | X | | EA | 1 | | | | | | |
| 5935-01-006-1558 | HANDLAMP ASSEMBLY | X | | EA | 1 | | | | | | |
| 6665-01-010-0006 | EYE PIECE, PRISM, THEODOLITE | X | | EA | 1 | | | | | | |
| 6675-01-010-0107 | EYE PIECE, FILTER, THEODOLITE | X | | EA | 1 | | | | | | |
| 6675-01-006-1561 | COVER, RAIN AND DUST, THEODOLITE | X | | EA | 1 | | | | | | |
| 6675-01-014-6299 | WIND SHELTER | X | | EA | 1 | | | | | | |
| 6140-00-059-3528 | BATTERY 4HN, BB-297/U | X | | EA | 1 | | | | | | |
| BASIC ISSUE ITEMS (BBI) | | | | | | | | | | | |
| 5120-00-965-0626 | SCREWDRIVER, CROSS TIP, 3 IN BLADE | X | | EA | 1 | | | | | | |
| 5120-00-236-2127 | SCREWDRIVER, FLAT 3 IN BLADE TIP | X | | EA | 1 | | | | | | |
| 5355-00-619-3835 | KNOB, MODE SELECT | X | | EA | 1 | | | | | | |
| 5355-00-619-4668 | KNOB, BIAS CONTROL | X | | EA | 1 | | | | | | |
| 5355-00-989-4269 | KNOB, TEST SELECT | X | | EA | 1 | | | | | | |
| 5355-01-007-8821 | KNOB, CAGING | X | | EA | 1 | | | | | | |
| 5120-00-228-9505 | WRENCH, COMBINATION 7/16 INCHES | X | | EA | 1 | | | | | | |
| | TM 5-6675-250-10 OPERATOR MANUAL, | | | EA | 1 | | | | | | |
| | SURVEY, INSTRUMENT, AZIMUTH, GYRO, LIGHTWEIGHT | | | | | | | | | | |
| | (SIAGL) | | | | | | | | | | |

| 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 |
| BASIC ISSUE ITEMS - Continued | | | | | | | | | | | |
| 5355-00-877-8515 | KNOB, PANEL ILLUMINATION AND THEODOLITE | X | | EA | 2 | | | | | | |
| 5920-00-221-8377 | FUSE, CARTRIDGE, 3 AMP, 250 VOLTS | X | | EA | 5 | | | | | | |
| 6210-00-179-2531 | LAMP, INDICATOR, UNCAGED | X | | EA | 2 | | | | | | |
| 6240-00-763-7744 | LAMP, THEODOLITE | X | | EA | 1 | | | | | | |
| 7920-01-015-6491 | BRUSH, LENS | X | | EA | 1 | | | | | | |
| 5120-01-018-5908 | ORANGEWOOD STICKS | X | | PK | 1 | | | | | | |
| 5120-01-017-9535 | KEY SET, HEXHEAD SCREW | D | | EA | 1 | | | | | | |
| 6640-00-597-6745 | TISSUE, LENS, HEAVYWEIGHT | X | | PK | 1 | | | | | | |
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TM 5-6675-250-10-HR

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| STOCK NUMBER a. | ITEM DESCRIPTION b. | * | SEC d. | UI e. | QTY AUTH f. | g. QUANTITY | | | | | |
|-------------------------------------|--------------------------------------|---|-----------|----------|-------------------|-------------|---|---|---|---|---|
| | | | | | | A | B | C | D | E | F |
| ADDITIONAL AUTHORIZATION LIST (AAL) | | | | | | | | | | | |
| 6675-00-621-0790 | AC-DC CONVERTER | X | | EA | 1 | | | | | | |
| 6150-01-040-8135 | CABLE ASSEMBLY, AC POWER, W4 | X | | EA | 1 | | | | | | |
| 6150-01-042-4634 | LEAD, ELECTRICAL BATTERY ADAPTER, W7 | X | | EA | 1 | | | | | | |
| 6140-00-789-2118 | BATTERY | X | | EA | 1 | | | | | | |
| 6675-00-691-3572 | TRIPOD | | | EA | 1 | | | | | | |
| 8465-00-262-5281 | PACKBOARD | N | | EA | 1 | | | | | | |
| ASSEMBLE FROM THE FOLLOWING: | | | | | | | | | | | |
| 8465-00-255-8220 | PACKBOARD BACK | X | | AR | | | | | | | |
| 8465-00-270-0415 | PACKBOARD | X | | AR | | | | | | | |
| 8465-00-543-3682 | HARNESS SHOULDER | X | | AR | | | | | | | |
| 8465-00-360-0233 | HARNESS WAIST STRAP | X | | AR | | | | | | | |
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By Order of the Secretary of the Army:

CARL E. VUONO
General, United States Army
Chief of Staff

Official:

R. L. DILWORTH
Brigadier General, United States Army
The Adjutant General

DISTRIBUTION:

To be distributed in accordance with DA Form 12-25A, Unit Maintenance requirements for Survey Instrument, Azimuth, Gyro, Lightweight (AG-8, Type I).



THEN... JOT DOWN THE DOPE ABOUT IT ON THIS FORM. CAREFULLY TEAR IT OUT. FOLD IT AND DROP IT IN THE MAIL!

SOMETHING WRONG WITH THIS PUBLICATION?

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

PFC JOHN DOE
COA, 3d ENGINEER BN
FT. LEONARDWOOD, MD 63108

DATE SENT

PUBLICATION NUMBER

TM 5-6675-250-10-HR

PUBLICATION DATE

20 Jan 88

PUBLICATION TITLE

Survey Instrument; Azimuth, Gyro, Lightweight

BE EXACT. PIN-POINT WHERE IT IS

| PAGE NO | PARA-GRAPH | FIGURE NO | TABLE NO |
|---------|------------|-----------|----------|
| 6 | 2-1 a | | |
| 81 | | 4-3 | |
| 125 | line 20 | | |

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

In line 6 of paragraph 2-1a the manual states the engine has 6 cylinders. The engine on my set only has 4 cylinders. Change the manual to show 4 cylinders.

Callout 16 on figure 4-3 is pointing at a bolt. In key to figure 4-3, item 16 is called a shim. Please correct one or the other.

I ordered a gasket, item 19 on figure B-16 by NSN 2 910-05-762-3001. I got a gasket but it doesn't fit. Supply says I got what I ordered, so the NSN is wrong. Please give me a good NSN

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

JOHN DOE, PFC (262) 317.7111

SIGN HERE.

JOHN DOE

DA FORM 2028-2
1 JUL 79

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DRSTS-M Overprint 1, 1 Nov 80

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ST. LOUIS, MO 63120-1798

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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 decigram = .035 ounce
 1 dekagram = 10 grams = .35 ounce
 1 hectogram = 10 dekagrams = 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

| To change | To | Multiply by | To change | To | Multiply by |
|---------------|--------------------|-------------|--------------------|---------------|-------------|
| 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

