

15 JUNE 1977

TM 11-5855-217-12-2

---

OPERATOR'S AND ORGANIZATIONAL MAINTENANCE MANUAL  
SEARCHLIGHT SET, INFRARED AN/VSS-3 (NSN 5855-00-058-1293)  
AND  
SEARCHLIGHT SET, INFRARED AN/VSS-3A  
(NSN 5855-00-177-3529; NSN 5855-00-405-0404)

---

DISTRIBUTION:

Active Army

USASA (2)  
COE (1)  
TSG  
USARREBND (1)  
DARCOM (1)  
TRADOC (2)  
OS Maj Comd (4)  
TECOM (2)  
USACC (4)  
MDW (1)  
Armies (2)  
corps (2)  
HISA (Ft Monmouth)(33)  
Svc Colleges (1)  
USASIGS (5)  
USAFAS (30)  
USAARMS (30)  
USAIS (30)  
USAES (5)  
USAADS (2)  
USAICS (3)  
MAAG (1)  
USARMIS (1)  
USAERDAA (1)  
USAERDAW (1)

Instl (2) except

Fort Gillem (10)  
Fort Carson (5)  
Fort Gordon (10)  
Fort Huachuca (10)  
Ft Richardson (ECOM)(2)  
LBAD (14)  
SAAD (30)  
TOAD (14)  
SHAD (3)

Sig FLDMS (1)

Units org under fol TOE:

(1 cy each unit)  
11-500 (AA-AC)  
17  
17-15  
17-16  
17-17  
17-37  
17-42  
17-51  
19-134  
29-136  
37  
37-100

NG : None

USAR : None

For explanation of abbreviations Used, see AR 310-50.

## OPERATOR'S AND ORGANIZATIONAL MAINTENANCE MANUAL

## SEARCHLIGHT SET, INFRARED AN/VSS-3 (NSN 5855-00-058-1293)

AND

## SEARCHLIGHT SET, INFRARED AN/VSS-3A

(NSN 5855-00-177-3529; NSN 5855-00-405-0404)

1. PURPOSE. a. This Publication authorizes, supplies, and gives instructions on how and where to mount inclosed CAUTION decals on the AN/VSS-3 and AN/VSS-3A.

b. Upon application of the decals, file this Publication in the back of the operator's manual. In the event that decals must be replaced they can be obtained by ordering TM 11-5855-217-12-2.

2. APPLICATION. Decal A and B will be applied to all of the AN/VSS-3 and AN/VSS-3A family of searchlights by the operator.

## 3. INSTRUCTIONS.

a. Attach decal A to a clean flat surface on the upper right side of the searchlight assembly (fig. 1A or B).

b. On Control Box C-7905/VSS-3 mount decal B to the left and below the elapsed time meter (fig. 1C).

c. On Control Box C-7905A/VSS-3 mount decal B on the upper right (fig. 1D).

d. On Control Box C-7905B/VSS-3 mount decal B on the lower right below the LOCAL-REMOTE switch (fig. 1E).

4. COMMENTS. Comments concerning the instructions or contents of this Publication should be submitted on DA Form 2028 and forwarded direct to Commander, US Army Electronics Command, ATTN: DRSEL-MA-Q, Fort Monmth, NJ 07703.

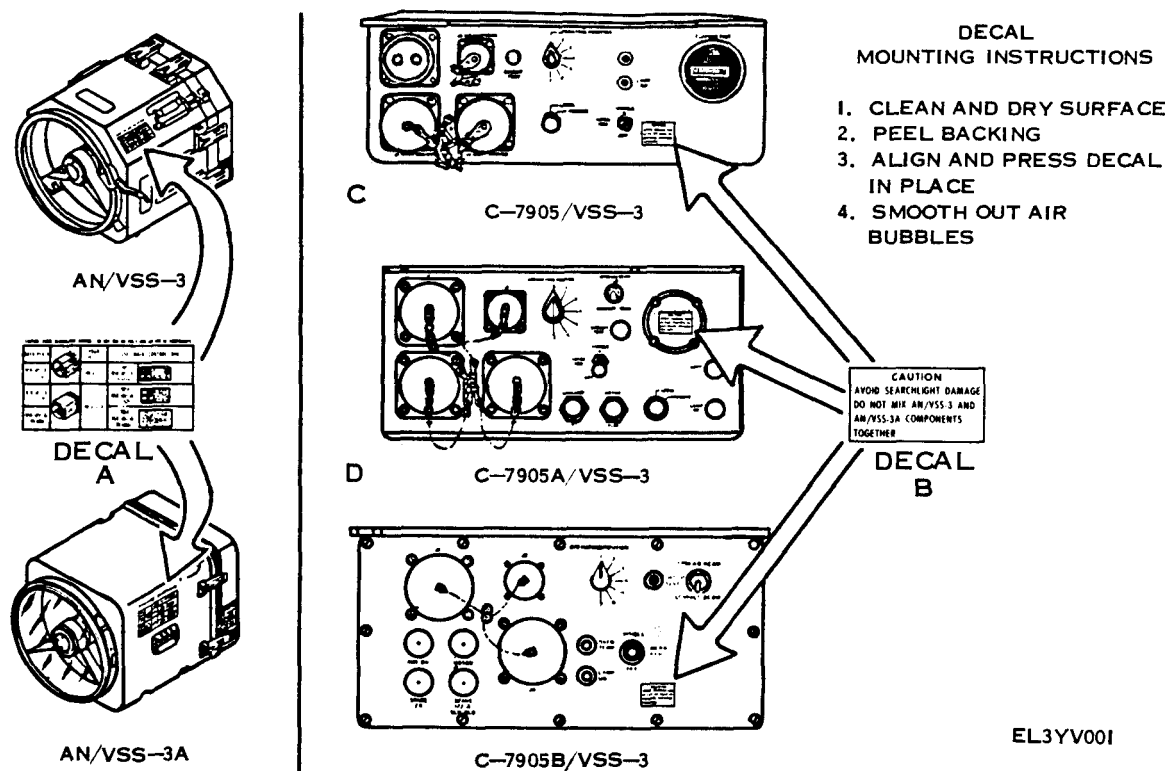


FIGURE 1. DECAL LOCATION AND MOUNTING INSTRUCTIONS,

By Order of the Secretary of the Army:

Official:

PAUL T. SMITH  
Major General, United States Army  
The Adjutant General

BERNARD W. ROGERS  
General United States Army  
Chief of Staff

(See Distribution on other side)

**DISTRIBUTION:**

**Active Army**

USASA (2)  
COE (1)  
TSG  
USARRENBD (1)  
DARCOM (1)  
TRADOC (2)  
OS Maj Comd (4)  
TECOM (2)  
USACC (4)  
MDW (1)  
Armies (2)  
Corps (2)  
HISA (Ft Monmouth)(33)  
Svc Colleges (1)  
USASIGS (5)  
USAFAS (30)  
USAARMS (30)  
UAIS (30)  
USAES (5)  
USAADS (2)  
USAICS (3)  
MAAG (1)  
USARMIS (1)  
USAERDAA (1)  
USAERDAW (1)

Instl (2) except  
Fort Gillem (10)  
Fort Carson (5)  
Fort Gordon (10)  
Fort Huchuca (10)  
Ft Richardson (ECOM)(2)  
LBAD (14)  
SAAD (30)  
TOAD (14)  
SHAD (3)  
Sig FLDMS (1)  
Units org under fol TOE:  
(1 cy each unit)  
11-500 (AA-AC)  
17  
17-16  
17-16  
17-17  
17-37  
17-42  
17-51  
19-134  
29-136  
37  
37-100

NG: None

USAR : None

For explanation of abbreviations used, see AR 31-50.

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



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 PUBLICATION

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER

PUBLICATION DATE

PUBLICATION TITLE

BE EXACT PIN-POINT WHERE IT IS

PAGE  
NO.

PARA-  
GRAPH

FIGURE  
NO.

TABLE  
NO.

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

TEAR ALONG PERFORATED LINE

PRINTED NAME, GRADE OR TITLE AND TELEPHONE NUMBER

SIGN HERE

# THE METRIC SYSTEM AND EQUIVALENTS

## WEIGHT MEASURE

1 Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches  
 1 Meter = 100 Centimeters = 1000 Millimeters = 39.37 Inches  
 1 Kilometer = 1000 Meters = 0.621 Miles

## WEIGHTS

1 Gram = 0.001 Kilograms = 1000 Milligrams = 0.035 Ounces  
 1 Kilogram = 1000 Grams = 2.2 lb.  
 1 Metric Ton = 1000 Kilograms = 1 Megagram = 1.1 Short Tons

## LIQUID MEASURE

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces  
 1 Liter = 1000 Milliliters = 33.82 Fluid Ounces

## SQUARE MEASURE

1 Sq. Centimeter = 100 Sq. Millimeters = 0.155 Sq. Inches  
 1 Sq. Meter = 10,000 Sq. Centimeters = 10.76 Sq. Feet  
 1 Sq. Kilometer = 1,000,000 Sq. Meters = 0.386 Sq. Miles

## CUBIC MEASURE

1 Cu. Centimeter = 1000 Cu. Millimeters = 0.06 Cu. Inches  
 1 Cu. Meter = 1,000,000 Cu. Centimeters = 35.31 Cu. Feet

## TEMPERATURE

$5/9(^{\circ}\text{F} - 32) = ^{\circ}\text{C}$   
 212° Fahrenheit is equivalent to 100° Celsius  
 90° Fahrenheit is equivalent to 32.2° Celsius  
 32° Fahrenheit is equivalent to 0° Celsius  
 $9/5^{\circ}\text{C} + 32 = ^{\circ}\text{F}$

## APPROXIMATE CONVERSION FACTORS

TO CHANGE	TO	MULTIPLY BY
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	0.914
Miles	Kilometers	1.609
Square Inches	Square Centimeters	6.451
Square Feet	Square Meters	0.093
Square Yards	Square Meters	0.836
Square Miles	Square Kilometers	2.590
Acres	Square Hectometers	0.405
Cubic Feet	Cubic Meters	0.028
Cubic Yards	Cubic Meters	0.765
Fluid Ounces	Milliliters	29.573
its	Liters	0.473
arts	Liters	0.946
allons	Liters	3.785
Ounces	Grams	28.349
Pounds	Kilograms	0.454
Short Tons	Metric Tons	0.907
Pound-Feet	Newton-Meters	1.356
Pounds per Square Inch	Kilopascals	6.895
Miles per Gallon	Kilometers per Liter	0.425
Miles per Hour	Kilometers per Hour	1.609

TO CHANGE	TO	MULTIPLY BY
Centimeters	Inches	0.394
Meters	Feet	3.280
Meters	Yards	1.094
Kilometers	Miles	0.621
Square Centimeters	Square Inches	0.155
Square Meters	Square Feet	10.764
Square Meters	Square Yards	1.196
Square Kilometers	Square Miles	0.386
Square Hectometers	Acres	2.471
Cubic Meters	Cubic Feet	35.315
Cubic Meters	Cubic Yards	1.308
Milliliters	Fluid Ounces	0.034
Liters	Pints	2.113
Liters	Quarts	1.057
ers	Gallons	0.264
ms	Ounces	0.035
ograms	Pounds	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pounds-Feet	0.738
Kilopascals	Pounds per Square Inch	0.145
ometers per Liter	Miles per Gallon	2.354
ometers per Hour	Miles per Hour	0.621



