

TM 9-1240-315-35P

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

**DIRECT SUPPORT, GENERAL SUPPORT,
AND DEPOT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST
FOR
PERISCOPE: M37
(6650-856-9455)**

HEADQUARTERS, DEPARTMENT OF THE ARMY

October 1969

Technical Manual }
No. 9-1240-315-35P }

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D. C., 27 October 1969

DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST
PERISCOPE: M37
(6650-856-9455)

Section		Paragraph	Page
I.	INTRODUCTION		
	Scope	1	2
	General	2	2
	Explanation of columns	3	2
	Special information	4	3
	How to locate repair parts	5	4
	Abbreviations	6	4
	Federal supply codes for manufacturers	7	4
	Recommendations for maintenance publication improvements	8	4
II.	REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE		7
III.	SPECIAL TOOLS, TEST AND SUPPORT EQUIPMENT FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE		11
IV.	INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS-REFERENCE TO FIGURE AND ITEM NUMBER		12

Anti-free

*This manual supersedes 9-1240-315-35P, 9-1240-315-35P, 26 November 1962

Section I. INTRODUCTION

1. Scope.

This manual lists repair parts required for the performance of direct support, general support, and depot maintenance of the Periscope M37.

2. General.

This Repair Parts List is divided into the following sections:

a. Repair Parts-Section II. A list of repair parts for the performance of maintenance at the direct support, general support, and depot level in figure and item number sequence.

b. Special Tools, Test and Support Equipment-Section III. Not applicable.

c. Federal Stock Number and Reference Number Index-Section IV. A list of Federal Stock Numbers in ascending numerical sequence followed by a list of reference numbers in ascending alpha-numeric sequence, cross-referenced to the illustration figure and item number.

3. Explanation of Columns.

The following provides an explanation of columns in the tabular lists in Sections II, and III.

a. Source Maintenance and Recoverability Codes (SMR), Column 1:

(1) Source code, indicates the selection status and source for the listed item. Source codes are:

<i>Code</i>	<i>Explanation</i>
P	Repair parts, special tools, and test equipment which are stocked in or supplied from the GSA/DSA, or Army supply system and authorized for use at indicated maintenance categories.
P2	Repair parts, special tools, and test equipment which are procured and stocked for insurance purposes because the combat or military essentiality of the end item dictates that a minimum quantity be available in the supply system.
P9	Assigned to items which are NSA design controlled: unique repair parts, special tools, test, measure and diagnostic equipment, which are stocked and supplied by the Army COMSEC logistic system, and which are not subject to the provisions of AR 380-41.
P10	Assigned to items which are NSA design controlled: special tools, test, measuring and diagnostic equipment for COMSEC support, which are accountable under the provision of AR 380-41, which are stocked and supplied by the Army Comsec logistic system.
M	Repair parts which are not procured or stocked, but are to be manufactured in indicated levels.
A	Assemblies which are not procured or stocked as such, but are made up of two or more units. Such component units carry individual stock numbers and descriptions, are procured and stocked separately and can be assembled to form the required assembly at indicated maintenance categories.
X	Parts and assemblies which are not procured or stocked and the mortality of which normally is below that of the applicable end item or component. The failure of such part or assembly should result in retirement of the end item from the supply system.

X1	Repair parts which are not procured or stocked. The requirements for such items will be filled by use of the next higher assembly or component.
X2	Repair parts which are not stocked. The indicated maintenance category requiring such repair parts will attempt to obtain same through cannibalization. Where such repair parts are not obtainable through cannibalization, requirements will be requisitioned, with accompanying justification, through normal supply channels.
G	Major assemblies that are procured with PEMA funds for initial issue only as exchange assemblies at DSU and GSU level. These assemblies will not be stocked above DS and GS level or returned to depot supply level.

(2) Maintenance code, indicates the lowest category of maintenance authorized to install the listed item. The maintenance level codes are:

<i>Code</i>	<i>Explanation</i>
O	Organizational maintenance.
F	Direct support maintenance.
S	Repair parts and assemblies which are economically repairable at DSU and GSU activities and which normally are furnished by supply on an exchange basis. When items are determined by a GSU to be uneconomically repairable, they will be evacuated to a depot for evaluation and analysis before final disposition.
T	High dollar value recoverable repair parts which are subject to special handling and are issued on an exchange basis. Such repair parts normally are repaired or overhauled at depot maintenance activities.
U	Repair parts specifically selected for salvage by reclamation units because of precious metal content, critical materials, or high dollar value reusable casings or castings.

b. Federal Stock Number, Column 2. This column indicates the Federal Stock number assigned to the item and will be used for requisitioning purposes.

c. Description, Column 3. This column indicates the Federal item name and any additional description of the item required. A part number or other reference number is followed by the applicable five-digit Federal supply code for manufacturers in parentheses.

d. Unit of Measure (U/M), Column 4. A 2 character alphabetic abbreviation indicating the amount or quantity of the item upon which the allowances are based, e.g., ft. ea. pr, etc.

e. Quantity Incorporated in Unit, Column 5. This column indicates the quantity of the item used in the assembly group. A "V" appearing in this column in lieu of a quantity indicates that a definite quantity cannot be indicated (e.g., shims, spacers, etc.).

f. 30-day DS/GS Maintenance Allowances, Columns 6, and 7.

NOTE: Allowances in GS column are for GS maintenance only.

(1) The allowance columns are divided into three subcolumns. Indicated in each subcolumn, opposite the first appearance of each item, is the total quantity of items authorized for the number of equip-

ments supported. Subsequent appearances of the same item will have the letters "REF" in the applicable allowance columns. Items authorized for use as required but not for initial stockage are identified with an asterisk in the allowance column.

(2) The quantitative allowances for DS/GS levels of maintenance will represent initial stockage for a 30-day period for the number of equipments supported.

(3) Determination of the total quantity of parts required for maintenance of more than 100 of these equipments can be accomplished by converting the equipment quantity to a decimal factor by placing a decimal point before the next to last digit of the number to indicate hundredths, and multiplying the decimal factor by the parts quantity authorized in the 51-100 allowance column. Example, authorized allowance for 51-100 equipments is 40; for 150 equipments multiply 40 by 1.50 or 60 parts required.

g. 1-Year Allowances Per 100 Equipment/Contingency Planing Purposes Column 8. This column indicates opposite the first appearance of each item the total quantity required for distribution and contingency planning purposes. The range of items indicates total quantities of all authorized items required to provide for adequate support of 100 equipments for one year.

h. Depot Maintenance Allowances Per 100 Equipments, Column 9. This column indicates opposite the first appearance of each item, the total quantity authorized for depot maintenance of 100 equipments. Subsequent appearances of the same item will have the letters "REF" in the allowance column. Items authorized for use as required but not for initial

stockage are identified with as asterisk in the allowance column.

i. Illustration, Column 10. This column is divided as follows:

(1) *Figure number, column 10a.* Indicates the figure number of the illustration in which the item is shown.

(2) *Item number, column 10b.* Indicates the call-out number used to reference the item in the illustration.

4. Special Information.

a. Periscope M37 is used with:

Armored Reconnaissance Airborne Assault Vehicle M551

Combat Engineer Vehicle M728

Tank 105mm Gun M60A1 Conventional and Infra-red

Tank 105mm Gun M60A1 w/Infra-red and Electronic Computer

Tank 152mm Gun Launcher M60A1E2

(3) Recoverability code, indicates whether un-serviceable items should be returned for recovery or salvage. Items not coded are expendable. Recoverability codes are:

<i>Code</i>	<i>Explanation</i>
R	Applied to repair parts (assemblies and components) which are considered economically repairable at direct and general support maintenance levels. When the maintenance capability to repair these items does not exist, they are normally disposed at the GS level. When supply considerations dictate, some of these spare parts may be listed for automatic return to supply for depot level repair as set forth in AR 710-50. When so listed, they will be replaced by supply on an exchange basis.

b. Action change codes indicated in the left hand margin of the listing page denote the following:

N - Indicates an added item not included in previous publications

C - Indicates a change in data

F - Indicates a change in FSN only.

c. The following publications pertain to Periscope M37:

TM 9-1240-315-35	Field and Depot Maintenance Manual
M60A1 Tank	
TM 9-2350-215-10	Operator's Manual
TM 9-2350-215-20	Organizational Maintenance Manual
TM 9-2350-215-20P	Organizational Maintenance Repair Parts and Special Tools List
M728 Combat Engineer Vehicle	
TM 9-2350-222-10	Operator's Manual
TM 9-2350-222-20	Organizational Maintenance Manual
TM 9-2350-222-25P	Organizational DS, GS, and Depot Maintenance Repair Parts and Special Tools List
M551 Armored Recon Airborne Assault Vehicle; 152mm	
TM 9-2350-230-12	Operator's and Organizational Maintenance Manual
TM 9-2350-230-25P/2	Organizational DS, GS, and Depot Maintenance Repair Parts and Special Tools List
M60A1E2 Tank	
TM-9-2350-232-10	Operator's Manual

5. How to Locate Repair Parts.

a. When Federal stock number or reference number is unknown:

(1) *First.* Find the illustration covering the assembly group to which the repair part belongs.

(2) *Second.* Identify the repair part on the illustration and note the illustration figure and item number of the repair part.

(3) *Third.* Using the Repair Parts Listing, find the group to which the repair part belongs and locate the illustration figure and item number noted on the illustration.

b. When Federal stock number or reference number is known:

(1) *First.* Using the Index of Federal Stock Numbers and Reference Numbers find the pertinent Federal stock number or reference number. This index is in ascending FSN sequence followed by a list of reference numbers in ascending alpha-numeric sequence, cross-referenced to the illustration figure number and item number.

(2) *Second.* Using the Repair Part Listing, find the assembly group of the repair part and the illustration figure number and item number referenced in the Index of Federal Stock Numbers and Reference Numbers.

6. Abbreviations

<i>Abbreviations</i>	<i>Explanation</i>
cd pl	cadmium plate
cres	corrosion-resistant steel

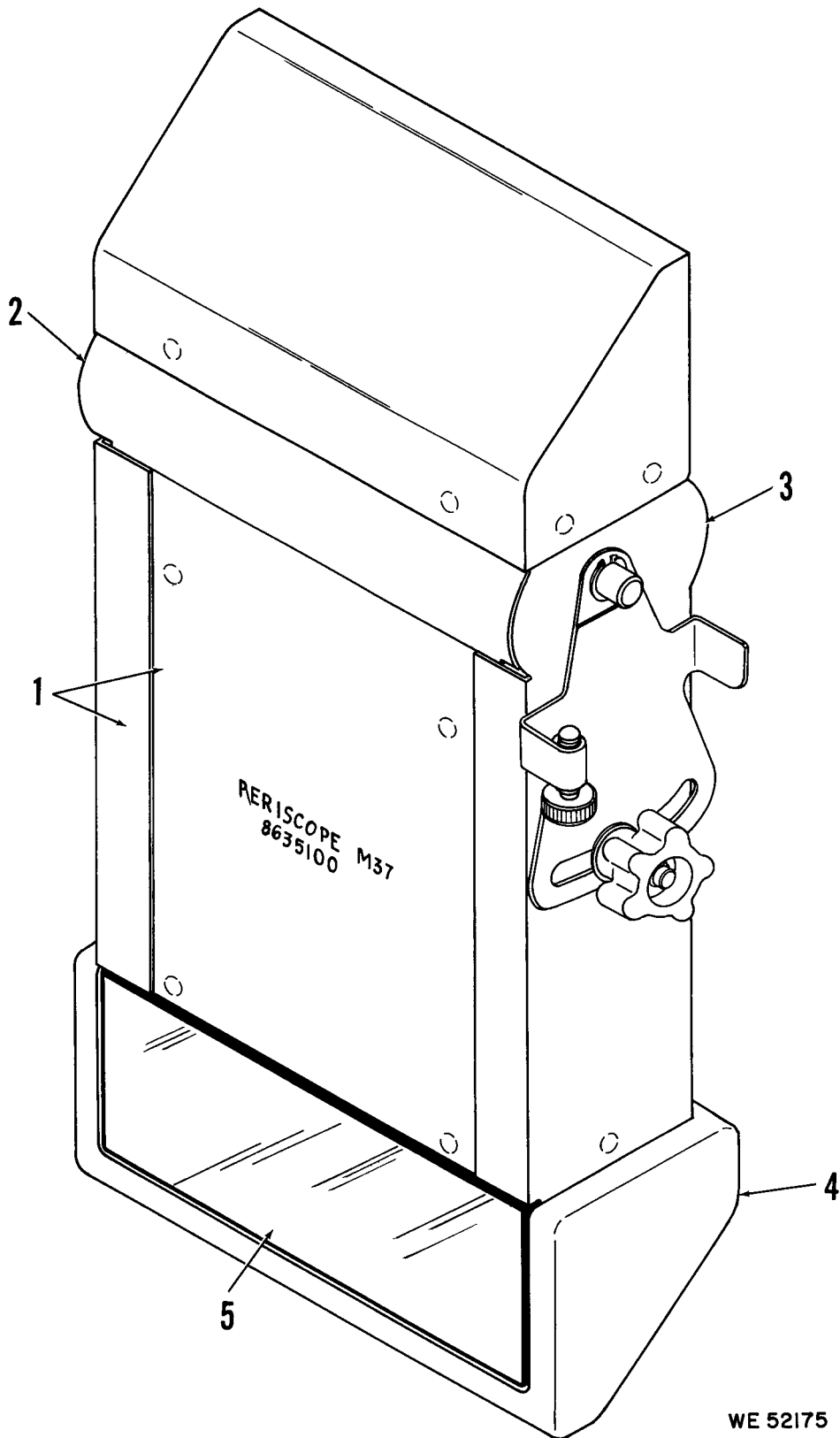
ext	external
fns	finish
id	inside diameter
l	long
met.	metal
oa	over-all
od	outside diameter
psvt	passivate
r	ring
rnd	round
scr	screw
stl	steel
thk	thick
tpr	taper
UNF	unified fine thread

7. Federal Supply Codes for Manufacturers.

<i>Code</i>	<i>Manufacturer</i>
19200	Frankford Arsenal, Philadelphia, Pa.
96906	Military Standard Promulgated by Standardization Div., Directorate of Logistic Services, DSA

8. Recommendations for Maintenance Publication Improvements.

Report of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to DA Publications) and forwarded direct to The Commanding Officer, Frankford Arsenal, ATTN: AMSWE-SMF-W3100, Philadelphia, Pa. 19137.

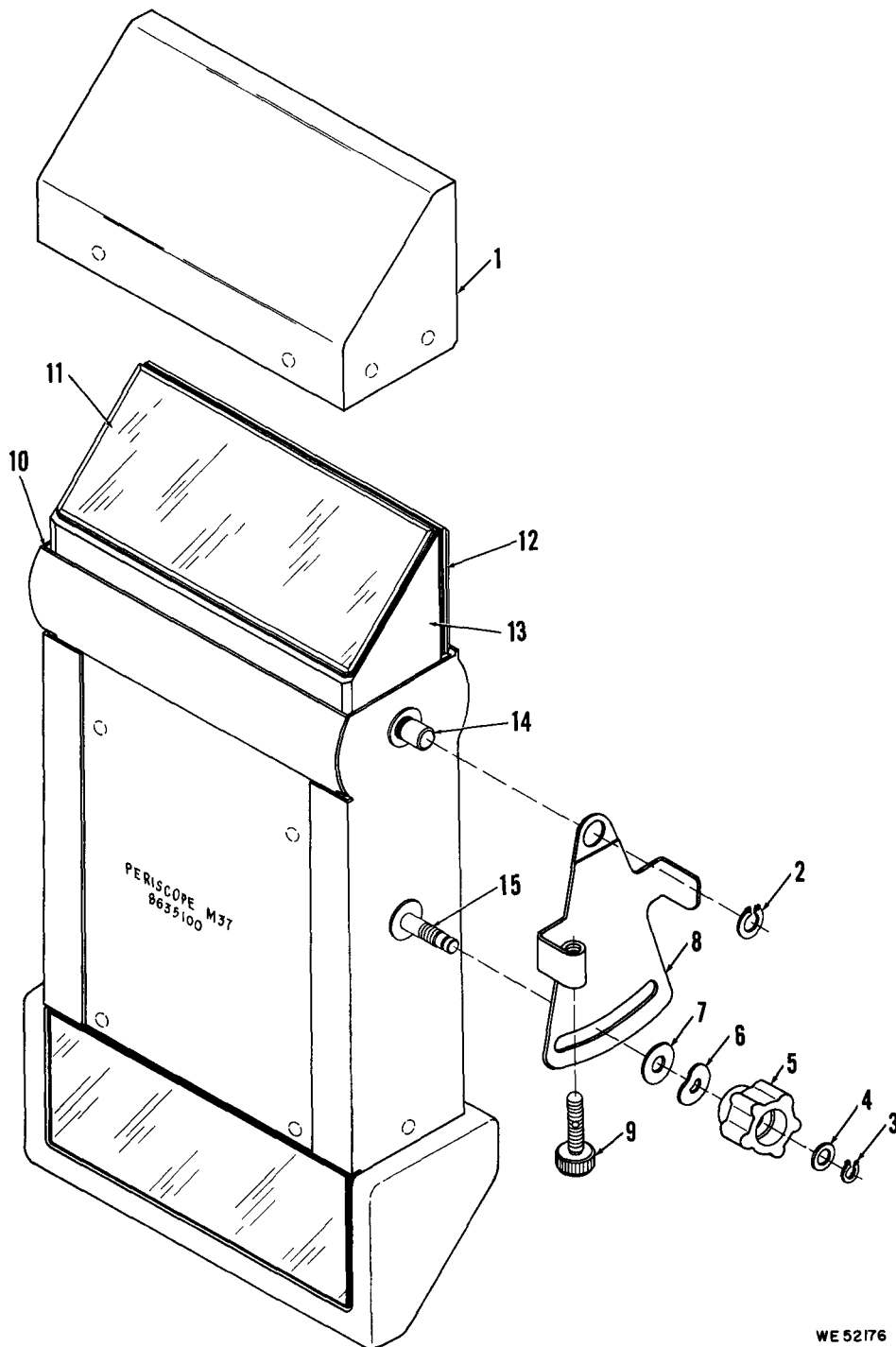


WE 52175

Figure 1. Periscope M37, 8635100.

SECTION II. DIRECT SUPPORT GENERAL SUPPORT and DEPOT MAINTENANCE
REPAIR PARTS LIST

ACT ON CODE	(1) SOURCE MAINT AND RECOV CODE			(2) FEDERAL STOCK NO.	(3) DESCRIPTION	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAYS DS MAINT ALLOWANCE			(7) 30-DAYS GS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGCV	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
	(A)	(B)	(C)					(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
	SOURCE	MAINT	RECOV					REFERENCE NUMBER & MFR CODE	USABLE ON CODE	1-20	21-50	51-100	1-20			21-50	51-100
					PERISCOPE M37-8635100												
N	X1----				HOUSING, WELDED 8635085 (19200)		1									1	1
N	X1----				PLATE 8635076 (19200)		1									1	2
N	X1----				HOUSING 8635084 (19200)		1									1	3
N	X1----				PAD, CRASH 8635083 (19200)		1									1	4
N	X1----				WINDOW 8635075 (19200)		2									1	5



WE 52176

Figure 2. Periscope M37, 8635100 — partial exploded view.

ACT ON CODE	(1) SOURCE MAINT AND RECOV CODE			(2) FEDERAL STOCK NO.	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE PERISCOPE M37-8635100 USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAYS DS MAINT ALLOWANCE			(7) 30-DAYS GS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGCT	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
	(A)	(B)	(C)					(A)	(B)	(C)	(A)	(B)					
	SOURCE	MAINT	RECOV					1-20	21-50	51-100	1-20	21-50	51-100			(A)	(B)
N	X2-0--				COVER 8635078 (19200)	EA	1									2	1
N	P--F--			5340-803-7301	RING,RETAINING EXT,TPR,STL,CD PL,0.500 R SIZE MS16624-1050 (96906)	EA	1	*	*	2	*	*	2	24	5	2	2
N	P--F--			5340-720-8064	RING,RETAINING EXT,TPR,STL,CD PL,0.250 R SIZE MS16624-1025 (96906)	EA	1	*	*	2	*	*	2	24	5	2	3
N	P--F--			5310-582-5677	WASHER,FLAT MET, RND, CRES, PSVT FNESH, 0.281 ID, 0.625 OD, 0.065 THK, 1/4 SCR SIZE MS15795-810 (96906)	EA	1	*	*	2	*	*	2	24	5	2	4
C	P--F--			5355-081-7191	KNOB 8365086 (19200)	EA	1	*	*	2	*	*	2	24	5	2	5
C	P--F--			5310-638-3633	WASHER,SPRING TENSION STL, ZINC FNESH, 0.328 ID, 0.750 OD,0.018 THK, 0.062 OA 7652135 (19200)	EA	1	*	*	2	*	*	2	24	5	2	6
N	P--F--			5310-802-4701	WASHER,FLAT MET, RND, CRES, PSVT FNESH, 0.375 ID, 0.875 OD, 0.083 THK, 5/16 SCR SIZE MS15795-813 (96906)	EA	1	*	*	2	*	8	2	24	5	2	7
N	P--F--			6650-438-1914	SEGMENT PERISCOPE CRES, PSVT FNESH, 3.090 L, 2.718 W, 0.70 THK 8635080 (19200)	EA	1	*	*	2	*	*	2	24	5	2	8
C	P--F--			5305-081-7193	SCREW,CAP, SOCKET HEAD CRES, PSVT FNESH, 1/4-28UNF-2A, 0.875 L 8635087 (19200)	EA	1	*	*	2	*	*	2	24	5	2	9

ACT ON CODE	(1) SOURCE MAINT AND RECOV CODE			(2) FEDERAL STOCK NO.	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAYS DS MAINT ALLOWANCE			(7) 30-DAYS GS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGCT	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION	
	(A) SOURCE	(B) MAINT	(C) RECOV					(A)	(B)	(C)	(A)	(B)	(C)			(A)	(B)
N	X1----				PIN 8635082 (19200)		1	1-20	21-50	51-100	1-20	21-50	51-100			2	10
N	X1----				MIRROR BONDED 10516119 (19200)		2									2	11
N	X1----				BODY, BONDED 8635088 (19200)		1									2	12
N	X1----				BODY 8635077 (19200)		1									2	13
N	X1----				PIN 8635079 (19200)		1									2	14
N	X1----				STUD 8635081 (19200)		1									2	15

SECTION III. SPECIAL TOOLS, TEST AND SUPPORT EQUIPMENT

ACT ON CODE	(1) SOURCE MAINT AND RECOV CODE			(2) FEDERAL STOCK NO.	(3) DESCRIPTION	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAYS DS MAINT ALLOWANCE			(7) 30-DAYS GS MAINT ALLOWANCE			(8) 1-YR ALW PER 100 EQUIP CNTGCV	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION FIG NO. ITEM NO	
	(A) SOURCE	(B) MAINT	(C) RECOV		REFERENCE NUMBER & MFR CODE TOOLS AND EQUIPMENT NOT APPLICABLE		(A)	(B)	(C)	(A)	(B)	(C)		(A)	(B)		
							1-20	21-50	51-100	1-20	21-50	51-100					

**SECTION IV. INDEX - FEDERAL STOCK NUMBER AND REFERENCE NUMBER
CROSS-REFERENCE TO FIGURE AND ITEM NUMBER**

STOCK NUMBER	FIGURE NO.	ITEM NO.
5305-081-7193	2	9
5310-582-5677	2	4
5310-638-3633	2	6
5310-802-4701	2	7
5340-720-8064	2	3
5340-803-7301	2	2
5355-081-7191	2	5
6650-438-1914	2	8

REFERENCE NO.	MFG CODE	FIG NO.	ITEM NO.
MS15795-810	96906	2	4
MS15795-813	96906	2	7
MS16624-1025	96906	2	3
MS16624-1050	96906	2	2
10516119	19200	2	11
7652135	19200	2	6
8635075	19200	1	5
8635076	19200	1	2
8635077	19200	2	13
8635078	19200	2	1
8635079	19200	2	14
8635080	19200	2	8
8635081	19200	2	15
8635082	19200	2	10
8635083	19200	1	4
8635084	19200	1	3
8635085	19200	1	1
8635086	19200	2	5
8635087	19200	2	9
	19200	2	12

By Order of the Secretary of the Army:

Official:

KENNETH G. WICKHAM,
*Major General, United States Army,
The Adjutant General.*

W. C. WESTMORELAND,
*General, United States Army,
Chief of Staff*

Distribution:

To be distributed in accordance with DA Form 12-41 (qty rqr block no. 76) direct and general support maintenance requirements for Periscope.

☆ U.S. GOVERNMENT PRINTING OFFICE: 1969-390-937/1091