

TM 9-1240-314-35P

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT
MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS
LIST FOR

PERISCOPE, TANK: M36

(1240-980-9291)



HEADQUARTERS, DEPARTMENT OF THE ARMY

JULY 1970

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HEADQUARTERS
DEPARTMENT OF THE ARMY
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DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST PERISCOPE, TANK: M36 (1240-980-9291)

SECTION I. INTRODUCTION

1. Scope

This manual lists repair parts, special tools, and test and support equipment required for the performance of direct support, general support, and depot maintenance of Periscope M36.

2. General

This Repair Parts and Special Tools List is divided into the following sections:

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

b. Special Tools, Test, and Support Equipment-Section III. A list of special tools, test and support equipment authorized for the performance of maintenance at the direct support, general support, and depot level,

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 number 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 used are:

Code	Explanation
P	Repair parts which are stocked in or supplied from the GSA/DSA, or Army Supply system are authorized for use at indicated maintenance categories.

Code	Explanation
P2	Repair parts 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, measuring and diagnostic equipment, which are stocked and supplied by the Army COM SEC 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 provisions of AR 380-41, and 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 maintenance 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 requirement 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 through cannibalization; if not obtainable through cannibalization, such repair parts will be requisitioned with supporting justification through normal supply channels.
G	Major assemblies that are procured with PEMA funds for initial issue only to be used as exchange assemblies at DSU and GSU level. These assemblies will not be stocked above DSU and GSU level or returned to depot supply level.

* This manual supersedes TM 9-1240-314-35P, 7 July 1964.

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

Code	Explanation
O	Organizational maintenance
F	Direct support maintenance
H	General support maintenance
D	Depot maintenance.

(3) Recoverability code, indicates when un-serviceable repair parts/or tools and test equipment will be returned for recovery or salvage. Items not coded are expendable. Recoverability codes are:

Code	Explanation
R	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 of at the GS level. When supply consideration dictate, some of these repair parts may be listed for automatic return to supply for Depot level repair as set forth in AR 710-30. When so listed, they will be replaced by supply on an exchange basis.
S	Repair parts and assemblies which economically repairable at DSU and GSU activities and which normally are furnished by supply on an exchange basis. When items are determinedly 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 applicable five-digit Federal supply code for manufacturers in parentheses. Material required for manufacture or fabrication is identified.

d. Unit of Measure (U/M), Column 4. A 2 character alphabetic abbreviation indicating the amount of 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 equipments 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 of 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 Allowance Per 100 Equipments/Contingency Planning 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 Allowance 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 allowances column. Items authorized for use as required but not for initial stockage are identified with an 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 callout number used to reference the item in the illustration.

4. Special Information

a. Action on Codes. 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.

b. Usable on Codes. Identification of the usable on codes included in column 3 of this publication are:

Code	Used on
A	Early production models
B	Later production models.

c. Illustration Call-Outs. Identical parts appearing on the same illustration are identified with the same item number call-outs. The number which indicates the sequence of disassembly is displayed in parentheses to the right of each item call-out.

d. End Item Application. The periscope M36 is a component of the fire control system in the following vehicle manuals:

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 for Tank, 105-mm Gun, M60 and M60A1 W/R
TM 9-2350-222-10	Operator's Manual
TM 9-2350-222-20	organizational Maintenance Manual
TM 9-2350-222-25P	Organizational Maintenance Repair Parts and Special Tools List for Vehicle, Combat Engineer M728 (T118E1)

e. Special Tools and Fixtures. In addition to special tools and fixtures listed in Section III, required for maintenance of periscope M36, refer to parts manuals listed in *d* above and also SC 4931-95-CL-J51, SC 4931-95-CL-J52, and SM 94-4931-J40.

5. How to Locate Repair Parts

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

(1) *First.* Using the table of contents/index, determine the assembly group within which the repair part belongs. This is necessary since illus-

trations are prepared for assembly groups, and listings are divided into the same groups.

(2) *Second.* Find the illustration covering the assembly group to which the repair next belongs.

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

(4) *Fourth.* Using the Repair Parts Listing, find the assembly 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 alphanumeric 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

Abbreviations	Explanation
AL.....	aluminum
ALY.....	alloy
AMP.....	ampere
AWG.....	American Wire Gage
B.....	base
BE. COP.....	beryllium copper
BLT.....	bolt
BRS.....	brass
CD PL.....	cadmium plate
CHAM.....	chamfer
CMPSN.....	composition
CONV.....	converter/conversion
COP.....	copper
CRES.....	corrosion resistant steel
CS.....	carbon steel
CSKH.....	countersunk head
CSTG.....	casting
CTSK.....	countersunk
CUP PT.....	cup point
DR.....	drive
EXT.....	external
FIL.....	filament
FIL H.....	fillister head
FL.....	flat
FNSH.....	finish
FP.....	flat point
FT.....	feet, foot
GL.....	glass
H.....	high
HDLS.....	headless
HEX H.....	hexagon head

<i>Abbreviations</i>	<i>Explanation</i>
HLCL -----	helical
HD-----	heavy duty
ID -----	inside diameter
INTL T -----	internal teeth
L-----	long
LDG-----	loading
LG-----	length
LKG-----	locking
MET-----	metal
MINAT-BAYONET-B -----	minature bayonet base
MLDG -----	molding
MUW-----	music wire
N-----	nylon
NC-----	National Coarse (thread)
NCH-----	notched
NEF-----	National Extra Fine (thread)
NON LDG-----	non loading
OD-----	outside diameter
OPT GL-----	optical glass
PL GL-----	plate glass
PLSTC -----	plastic
PNH-----	pan head
PROM -----	plus or minus
PSVT -----	passivate
PT-----	point
R-----	ring
RAD -----	radius
RBR-----	rubber
RD -----	round
R LKG -----	ring locking
REC-----	recess/recessed
SCR -----	screw
SGL -----	single
SHLD -----	shield
SKT-----	socket
SLTD-----	slotted
SP-----	single pole
STK-----	stock
STL-----	steel

<i>Abbreviations</i>	<i>Explanation</i>
SYNTH -----	synthetic
T -----	teeth
THD -----	thread
THK -----	thick
TND -----	tinned
TUNG -----	tungsten
UN -----	Unified (thread)
UNC -----	Unified Coarse (thread)
UNF -----	Unified Fine (thread)
V -----	volt (s)
W -----	wide (width), watts
W/COP -----	with copper
WW-----	wire wound
ZN PL -----	zinc plate

7. Federal Supply Codes for Manufacturers

<i>Code</i>	<i>Manufacturer</i>
19200	Frankford Arsenal
19207	Army Tank Automotive Command
81349	Military Specifications Promulgated by Standardization Div Directorate of Logistic Services DSA
96906	Military Standards Promulgated by Standardization Div Directorate of Logistic Services DSA.

8. Reporting of Errors

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 directly to Commanding Officer, Frankford Arsenal, ATTN: AMSWE-SMF-W3100, Philadelphia, Pa. 19137.

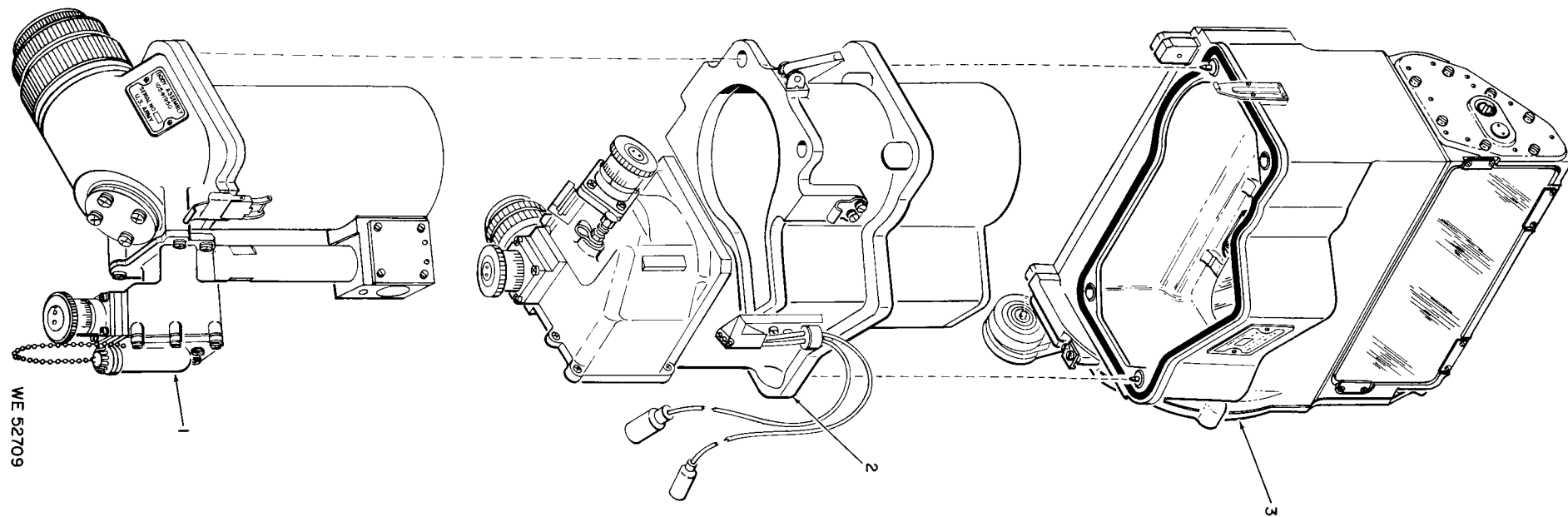


Figure 1

SECTION II. DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE

ACT ON CODE	(1) SOURCE MAINT AND			(2) FEDERAL STOCK NO.	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY 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)	100	100	(A)	(B)			
	SOURCE	MAINT	RECOV						(A)	(B)	(C)	1-20	21-50	51-100	1-20	21-50	51-100	FIGURE NO.
					PERISCOPE,TANK M36- PARTIAL EXPLODED VIEW													
C	P-	O-	R-	1240-990-9468	BODY ASSEMBLY,INFRARED 8620058 (19200)	A	EA	1	*	*	1	*	*	1	12	1	1	
N	P-	O-	R-	1240-873-7017	BODY ASSEMBLY,INFRARED 10541950 (19200)	B	EA	1	*	*	1	*	*	1	12	1	1	
N	P-	O-	T-	1240-133-9294	BODY ASSEMBLY 8619920 (19200)		EA	1	*	*	1	*	*	1	12	2	1	2
C	P-	O-	T-	1240-987-3217	HEAD ASSEMBLY 861990 (19200)		EA	1	*	*	1	*	*	1	12	20	1	3