

TECHNICAL MANUAL

**ORGANIZATIONAL, DIRECT SUPPORT AND
GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST
(INCLUDING DEPOT MAINTENANCE REPAIR
PARTS AND SPECIAL TOOLS)**

**T16-75 DEG THEODOLITE
NSN 6675-01-075-3278**

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DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 3 APRIL 1992

NO. 1

Organizational, Direct Support and
General Support Maintenance
Repair Parts and Special Tools List
(Including Depot Maintenance Repair Parts and Special Tools)

T16-75 DEG THEODOLITE
NSN 6675-01-075-3278
AND
T-16-84 MIL THEODOLITE
NSN 6675-01-191-4777

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i and ii
3 and 4
12
13 and 14
29 and 30
39 through 42
51 through 56
75 through 80

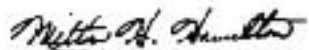
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i and ii
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ORGANIZATIONAL, DIRECT SUPPORT AND
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REPAIR PARTS AND SPECIAL TOOLS LIST
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)
FOR
T16-75 DEG THEODOLITE
NSN 6675-01-075-3278
AND
T-16-84 MIL THEODOLITE
NSN 6675-01-191-4777

Current as of 16 May 1980

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Section I. INTRODUCTION

1. Scope

This manual lists spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE), and other special support equipment required for performance of organizational, direct support, and general support maintenance of the Theodolite. It authorizes the requisitioning and issue of spares and repair parts as indicated by the source and maintenance codes.

2. General.

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

a. Section II. Repair Parts List. A list of spares and repair parts authorized for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in numeric sequence, with the parts in each group listed in figure and item number sequence. Bulk materials are listed in NSN sequence.

b. Section III. Special Tools List. A list of special tools, special TMDE, and other special support equipment authorized for the performance of maintenance.

c. Section IV. National Stock Number and Part Number Index. A list in National item identification number (NIIN) sequence, of all National stock numbers (NSN) appearing in the listings, followed by a list in alphameric sequence of ad part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance. This index is followed by a cross-reference list of reference designators to figure and item numbers.

3. Explanation of Column

a. Illustration. This column is divided as follows:

(1) *Figure Number.* Indicates the figure number of the illustration on which the item is shown.

(2) *Item Number.* The number used to identify item called out in the illustration.

b. Source, Maintenance, and Recoverability (SMR) Codes.

(1) *Source Code.* Source codes indicate the manner of acquiring support items for maintenance, repair, or ova haul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

<i>Code</i>	<i>Definition</i>
PA	Item procured and stocked for anticipate or known Usage.
PB	Item procured and stocked for insurance purpose because essentiality dictates that a minimum quantity be available in the supply system.
PC	Item procured and stocked and which otherwise would be coded PA except that it is deteriorative in nature.
PD	Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or outfittings. Not subject to automatic replenishment.
PE	Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.

- PF Support equipment which will not be stocked but which will be centrally procured on demand.
- PG Item procured and stocked to provide for sustained support for the life of the equipment. It is applied to an item peculiar to the equipment which, because of portable discontinuance or shutdown of production facilities, would prove uneconomical to reproduce at a later time.
- KD An item of a depot overhaul/repair kit and not purchased separately. Depot kit defined as kit that provides items required at the time of overhaul or repair.
- KF An item of a maintenance kit and not purchased separately. Maintenance kit defined as a kit that provides an item that can be replaced at organizational or intermediate levels of maintenance.
- KB Item included in both a depot overhaul/repair kit and a maintenance.
- MO Item to be manufactured or fabricated at organization level.
- MF Item to be manufactured or fabricated at the direct support maintenance level.
- MH Item to be manufactured or fabricated at the general support maintenance level.
- MD Item to be manufactured or fabricated at the depot maintenance level.
- AO Item to be assembled at organizational level.
- AF Item to be assembled at direct support maintenance level.
- AH Item to be assembled at general support maintenance level.
- AD Item to be assembled at depot maintenance level.
- XA Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.
- XB Item is not procured or stocked. If not available through salvage, requisition.
- XC Installation drawing, diagram, instruction.
- XD A support item that is not stocked. When required, item will be procured through normal supply channels.

NOTE

Cannibalization or salvage may be used as a source of supply for any items coded above except those coded XA

(2) *Maintenance Code.* Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance coils are entered in the third and fourth positions of the Uniform SMR Code format a follows:

(a) The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace, and the support item. The maintenance code entered the third position will indicate one of the following levels of maintenance:

<i>Code</i>	<i>Application/Explanation</i>
C	Crew or operator maintenance performed within organizational maintenance.
O	Support item is removed, replace, used at the organizational level.
F	Support item is removed, replaced, used at the direct Support.
H	Support item is removed, replaced, used, at the general support level.
D	Support items that are removed, replaced, used at depot, mobile depot, or specialized repair activity only.

(b) The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). This position will contain one of the following maintenance codes.

<i>Code</i>	<i>Application/Explanation</i>
O	The lowest maintenance level capable of complete repair of the support item is the organizational level.
F	The lowest maintenance level capable of complete repair of the support item is the direct support level.
H	The lowest maintenance level capable of complete repair of the support item is the general support level.
D	The lowest maintenance level capable of complete repair of the support item is the depot level.
L	Repair restricted to (enter applicable designated specialized repair activity), Specialized Repair Activity.

- Z Nonreparable. No repair is authorized.
- B No repair is authorized. The item may be reconditioned by adjusting, lubricating, etc., at the user level. No parts or special tools are procured for the maintenance of this item.

(3) *Recoverability Code.* Recoverability codes are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the Uniform SMR Code format as follows:

<i>Recoverability Codes</i>	<i>Definition</i>
Z	Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.
O	Reparable item. When uneconomically reparable, condemn and dispose at organizational level.
F	Reparable item. When uneconomically reparable, condemn and dispose at the direct support level.
H	Reparable item. When uneconomically reparable, condemn and dispose at the general support level.
D	Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.
L	Reparable item. Repair, condemnation, and disposal not authorized below depot/specialized repair activity level.
A	Item requires special handling or condemnation procedures because of specific reasons (i.e., precious metal content, high dollar value, critical material or hazardous material). Refer to appropriate manuals/directives for specific instructions.

c. *National Stock Number.* Indicates the National stock number assigned to the item and which will be used for requisitioning.

d. *Part Number.* Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

NOTE

When a stock numbered item is requisitioned, the item received may have a different part number than the part being replaced.

e. *Federal Supply Code for Manufacturer(FSCM).* The FSCM is a 5-digit numeric code listed in SB 708-42 which is used to identify the manufacturer, distributor, or Government agency, etc.

f. *Description.* Indicates the Federal item name and, if required, a minimum description to identify the item. The physical security classification of the item is: unclassified. Items that are included in kits and sets are listed below the name of the kit or set with the quantity of each item in the kit or set indicated in the quantity incorporated in unit column. When the part to be used differs between serial numbers of the same model, the effective serial numbers are shown as the last line of the description. In the Special Tools List, the initial basis of issue (BOI) appears as the last line in the entry for each special tool, special TMDE, and other special support equipment. When density of equipments supported exceeds density spread indicated in the basis of issue, the total authorization is increased accordingly.

g. *Unit of Measure (U/M).* Indicates the standard of the basic quantity of the listed item as used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr, etc). When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

h. *Quantity Incorporated in Unit.* Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly. A"V" appearing in this column in lieu of a quantity indicates that no specific quantity is applicable, (e.g., shims, spacers, etc).

4. Special Information. (Use the following subparagraphs as applicable.)

a. Usable on codes are shown in the description column. Uncoded items are applicable to all models. Identification of the usable codes used in this publication are:

Code	Used On
DMC	T16-75 DEG
EAK	T16-84 MIL

b. Detailed manufacturing instructions for items source coded to be manufactured or fabricated are found in TM 5-6675-312-14 or DMWR-6675-312. Bulk materials required to manufacture items are listed in the Bulk Material Group of this manual.

c. Detailed assembly instructions for items source coded to be assembled are found in TM 5-6675-312-14 or DMWR-6675-312. Assembly components are listed immediately following the item to be assembled.

d. Repair parts kits and gasket sets (enter either "appear as the last entries in the repair parts listing for the figure in which its parts are listed as repair parts" or "are listed at the end of the repair parts listing for the last figure containing parts of the kit").

e. The following publications pertain to the Theodolite and its components:

Publication and Short Title

TM 5-6675-312-14, Theodolite, T16-75 DEG
DMWR-6675-312, Theodolite, T16-75 DEG

5. How to Locate Repair Parts.

a. *When National Stock Number or Part Number is Unknown:*

(1) *First.* Using the table of contents, determine the functional group or subgroup within which the item belongs. This is necessary since illustrations are prepared for functional groups or subgroups, and listings are divided into the same groups.

(2) *Second.* Find the illustration covering the functional group or subgroup to which the item belongs.

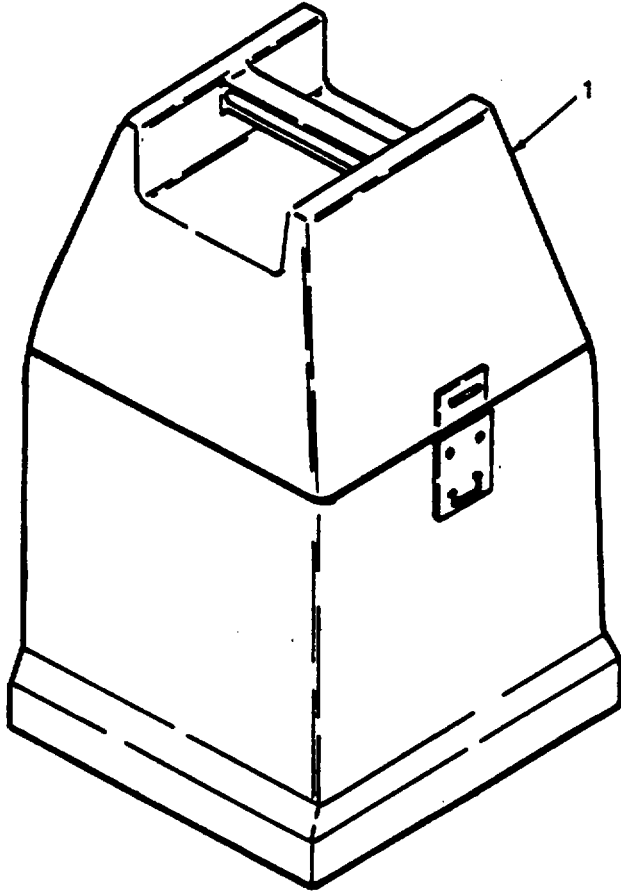
(3) *Third.* Identify the item on the illustration and note the illustration figure and item number of the item.

(4) *Fourth.* Using the Repair Parts Listing, find the figure and item number noted on the illustration.

b. *When National Stock Number or Part Number is Known:*

(1) *First.* Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in NIIN sequence followed by a list of part numbers in alphameric sequence, cross-referenced to the illustration figure number and item number.

(2) *Second.* After finding the figure and item number, locate the figure and item number in the repair parts list.



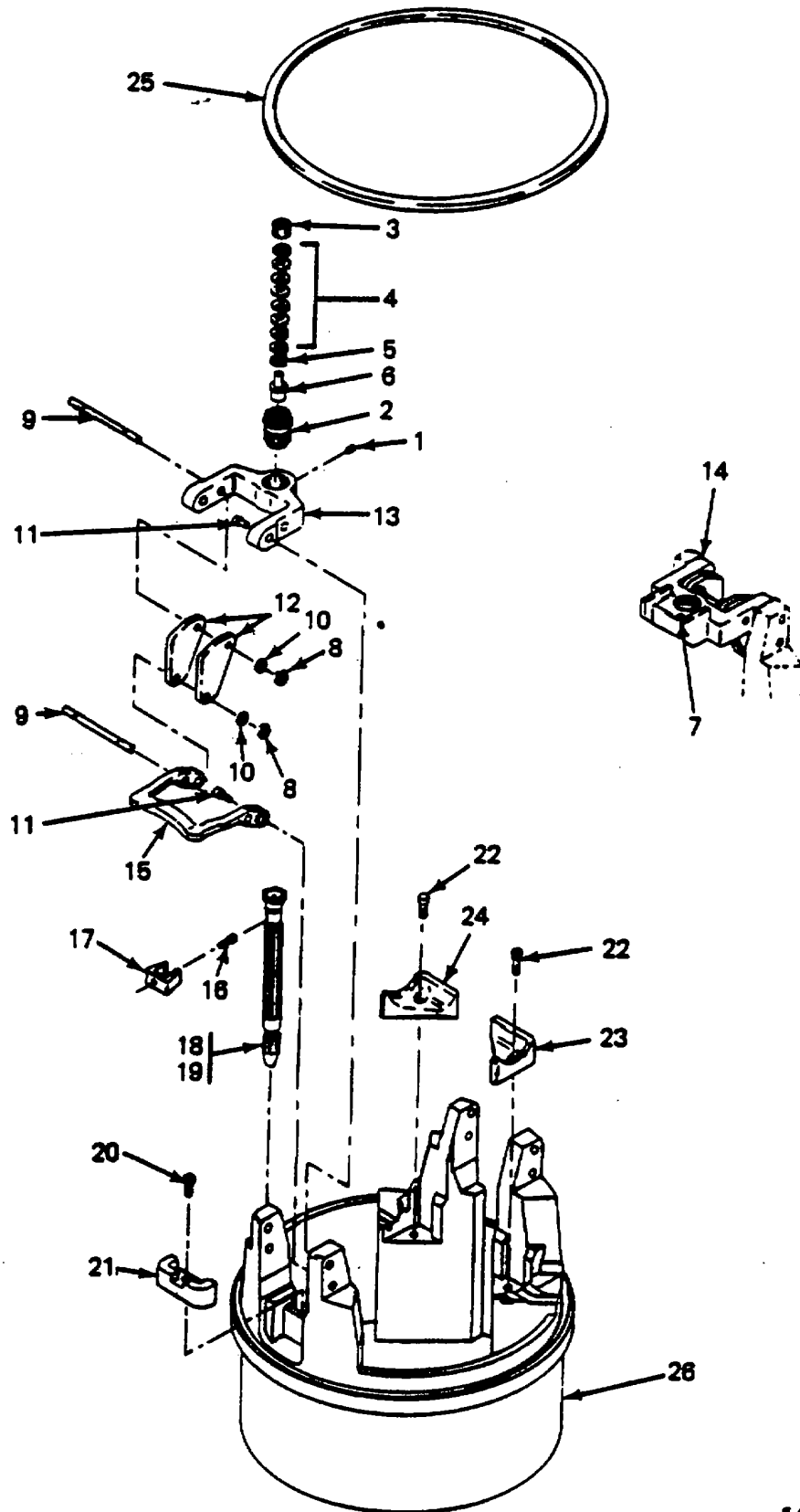
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Figure 1. Shipping Case

SECTION II

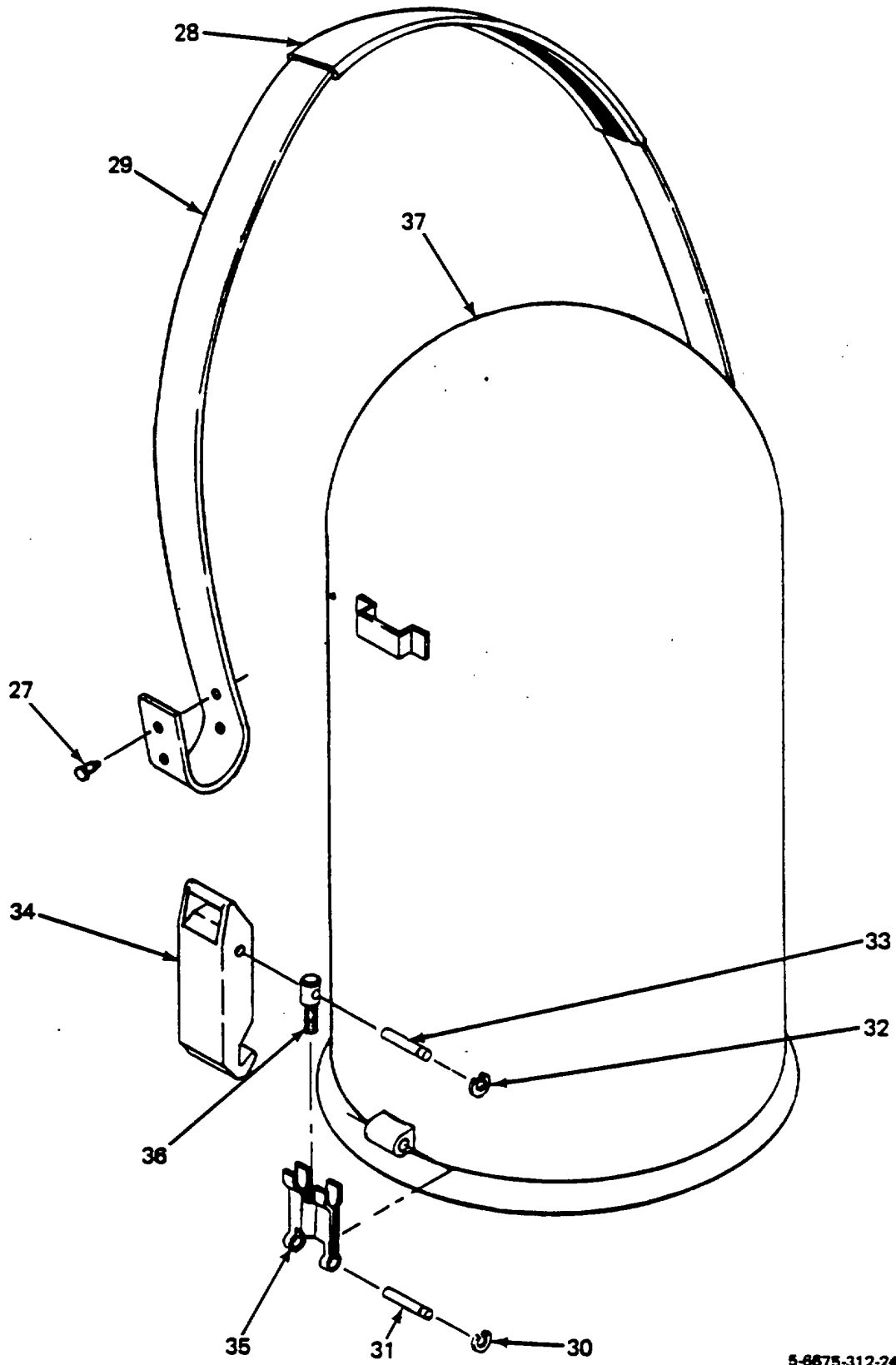
TM 5-6675-312-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
1	1	XBOFF		37048C	89905	GROUP 01 CASE, SHIPPING AND CARRYING CASE, SHIPPING	EA	1



5-6675-312-24P/2.1

Figure 2. Carrying Case (Sheet 1 of 2)



5-6675-312-24P/2.2

Figure 2. Carrying Case (Sheet 2 of 2)

SECTION II

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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
2		XBOOO		376263	89905	CASE, METAL, CARRYING	EA	1
2	1	XBOZZ		163810	89905	.SETSCREW	EA	2
2	2	XBOZZ		356054	89905	.HOUSING, SPRING	EA	2
2	3	XBOZZ		356055	89905	.RING, LOCK	EA	2
2	4	XBOZZ		227731	89905	.WASHER, SPRING	EA	18
2	5	XBOZZ		371295	89905	.WASHER, FLAT	EA	2
2	6	XBOZZ		227235	89905	.BUFFER	EA	2
2	7	XBOZZ		371295	89905	.BALL, SPRINGLOADED.....	EA	1
2	8	XBOZZ		373034	89905	.RING, SNAP	EA	8
2	9	XBOZZ		373050	89905	.AXIS.....	EA	4
2	10	XBOZZ		371295	89905	.WASHER, FLAT	EA	8
2	11	XBOZZ		358282	89905	.BOLT, BEARING	EA	8
2	12	XBOZZ		356053	89905	.LEVER, PLATE.....	EA	8
2	13	XBOZZ		356052	89905	.LEVER, ARM	EA	1
2	14	XBOZZ		377863	89905	.LEVER, ARM	EA	1
2	15	XBOZZ		356051	89905	.LEVER, LOCK	EA	2
2	16	XBOZZ		162621	89905	.SCREW, MACHINE.....	EA	1
2	17	XBOZZ		244315	89905	.CLIP, SPRING	EA	1
2	18	XBOZZ	5120-00-221-8739	166794	89905	.SCREWDRIVER, JEWELER	EA	1
2	19	PAOZZ	6675-00-353-4103	109334	89905	.PIN, CASE	EA	2
2	20	XBOZZ		175356	89905	.SCREW, MACHINE.....	EA	1
2	21	XBOZZ		373054	89905	.PLATE	EA	1
2	22	XBOZZ		162694	89905	.SCREW, MACHINE.....	EA	2
2	23	XBOZZ		356067	89905	.PLATES	EA	1
2	24	XBOZZ		356068	89905	.PLATE	EA	1
2	25	XBOZZ	5330-01-052-6085	356085	89905	.GASKET, RUBBER	EA	1
2	26	XBOZZ		392574	89905	.BASE	EA	1
2	27	XBOZZ		167872	89905	.RIVET	EA	4
2	28	XBOZZ		200539	89905	.SLEEVE	EA	1
2	29	XBOZZ		356063	89905	.STRAP, CARRYING	EA	1
2	30	XBOZZ		161321	89905	.RING, SNAP	EA	2
2	31	XBOZZ		356099	89905	.AXIS.....	EA	2
2	32	XBOZZ		368517	89905	.RING, SNAP	EA	2
2	33	XBOZZ		356095	89905	.AXIS.....	EA	2
2	34	XBOZZ		356097	89905	.CLAMP, LOCK.....	EA	2
2	35	XBOZZ		356091	89905	.LEVER, LOCK	EA	2
2	36	XBOZZ		316094	89905	.SCREW, MACHINE.....	EA	2
2	37	XBOZZ		370435	89905	.HOOD, METAL.....	EA	1

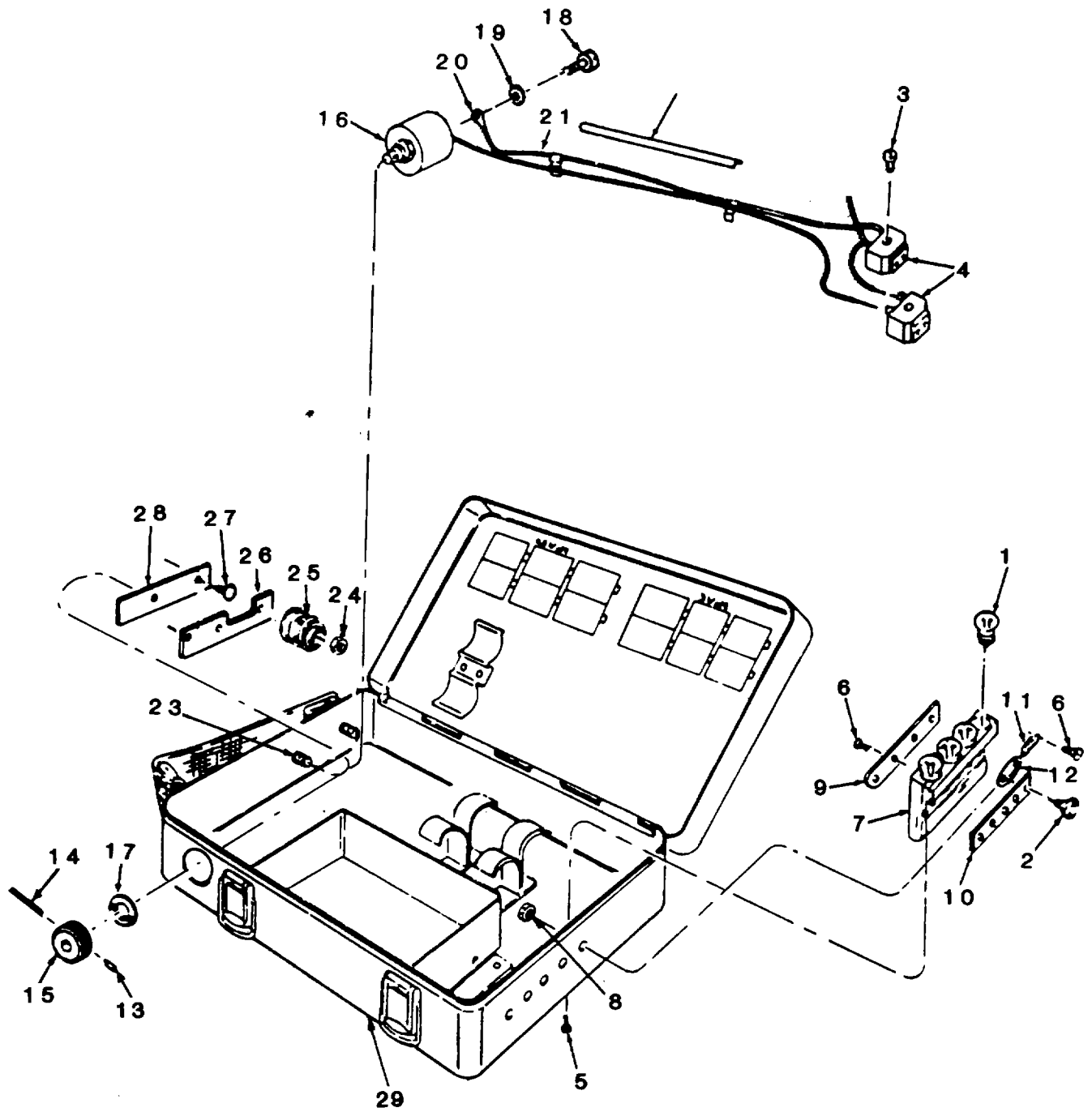


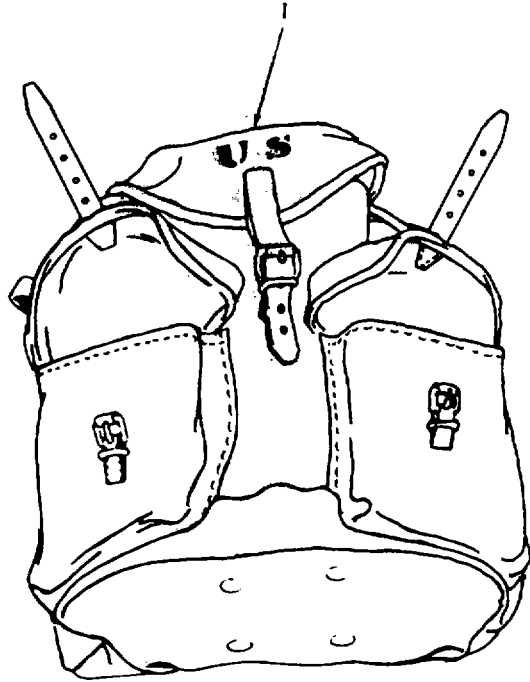
Figure 3. Battery Box

Change 1 12

SECTION II

TM 5-6675-312-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 02 ACCESSORY ITEMS		
3		PAFFZ	6675-01-092-4756	308574	89905	BOX ASSY, BATTERY	EA	1
3	1	PAFZZ	6240-00-859-5936	166370	89905	•LAMP, INCANDESCENT	EA	4
3	2	XBFZZ		122335	89905	•KNOB, PLATE, COVER	EA	1
3	3	XBFZZ		170920	89905	•SCREW, MACHINE	EA	2
3	4	XBFZZ		122284	89905	•PLUG, ELECTRIC	EA	2
3	5	PAFZZ	5305-01-016-9309	198390	89905	•SCREW	EA	2
3	6	PAFZZ	5305-01-015-6507	198389	89905	•SCREW	EA	3
3	7	XBFZZ		310439	89905	•BLOCK, WOODEN	EA	1
3	8	XBFZZ		198387	89905	•NUT	EA	1
3	9	XBFZZ		122345	89905	•PLATE, CONTACT	EA	1
3	10	XBFZZ		122334	89905	•PLATE, COVER	EA	1
3	11	XBDZZ		122343	89905	•SPRING, PLATE, CVR	EA	1
3	12	XBFZZ		122344	89905	•PLATE, CONNECTOR	EA	1
3	13	XBFZZ		212167	89905	•SETSCREW	EA	1
3	14	XBFZZ		333357	89905	•PIN	EA	1
3	15	XBFZZ		122339	89905	•KNOB,RHEOSTAT	EA	1
3	16	PAFZZ	5905-00-118-4625	329903	89905	•RESISTOR, VARIABLE	EA	1
3	17	XBFZZ		122338	89905	•WASHER	EA	1
3	18	XBFZZ		198386	89905	•SCREW, MACHINE	EA	1
3	19	XBFZZ		176063	89905	•WASHER, SPRING	EA	1
3	20	XBFZZ		167456	89905	•CLIP, CABLE.....	EA	1
3	21	XBFZZ		188790	89905	•CABLE, ELEC, 0.6M	FT	1
3	22	XBFZZ		189189	89905	•TUBE, INSUL, 0.17M	EA	1
3	23	XBFZZ		212163	89905	•SCREW, MACHINE	EA	2
3	24	XBFZZ		193248	89905	•NUT	EA	2
3	25	XBFZZ		124724	89905	•SPRING, CONTACT	EA	2
3	26	PAFZZ	6135-01-026-8168	122337	89905	• PLATE, CONTACT	EA	1
3	27	XBFZZ		198388	89905	•RIVET	EA	2
3	28	XBFZZ		122336	89905	•PLATE, INSULATION	EA	1
3	29	XBFZZ		311718	89905	•BOX,BATTERY	EA	1



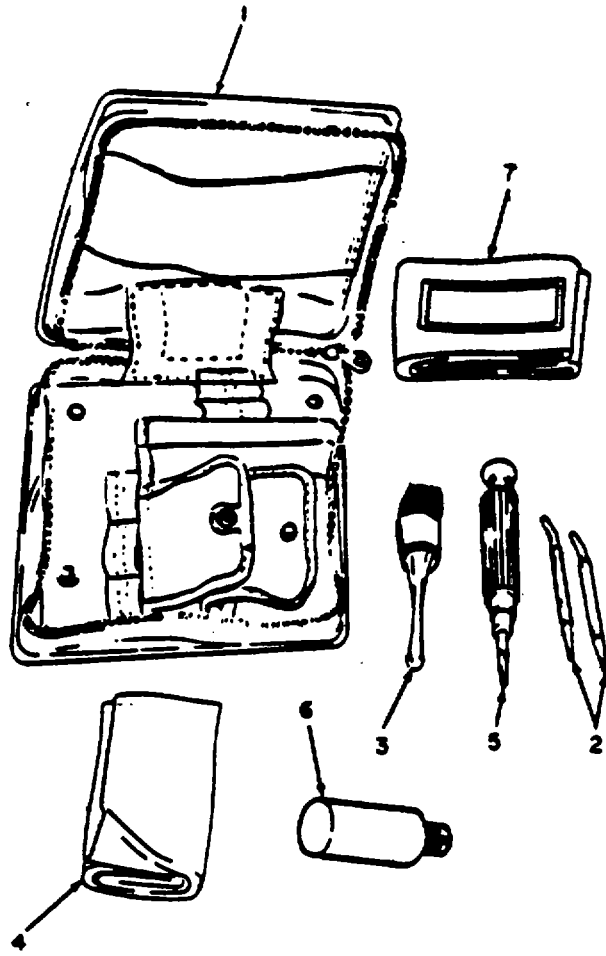
5-6675-312-24P/4

Figure 4. Rucksack

SECTION II

TM 5-6675-312-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
4	1	PAOZZ	6675-00-023-5052	202513	99905	THECOCLITE SACK PC.....	EA	1



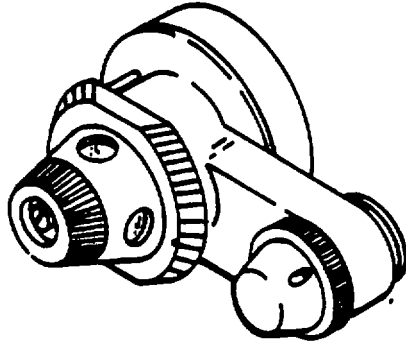
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Figure 5. Accessory Case and Accessories

SECTION II

TM 5-6675-312-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
5	1	PAOZZ	6675-01-092-4513	381167	89905	CASE., ACCESSCRY	EA	1
5	2	PAOZZ	6675-00-353-4103	109334	89905	PIN, SURVEY, CASE.....	EA	2
5	3	PAOZZ	7920-01-011-8517	109335	89905	BRUSH, MICROSCOPE.....	EA	1
5	4	PAOZZ	8330-01-010-9402	166684	89905	CHAMOIS LEATHER.....	EA	1
5	5	PAOZZ	5120-00-180-0705	166786	89905	SCREWDRIVE	EA	1
5	6	PAOZZ	6675-00-446-1762	167226	89905	CONTAINER, GREASE.....	EA	1
5	7	PAOZZ	6675-01-014-3518	311846	89905	COVER, PLASTIC	EA	1



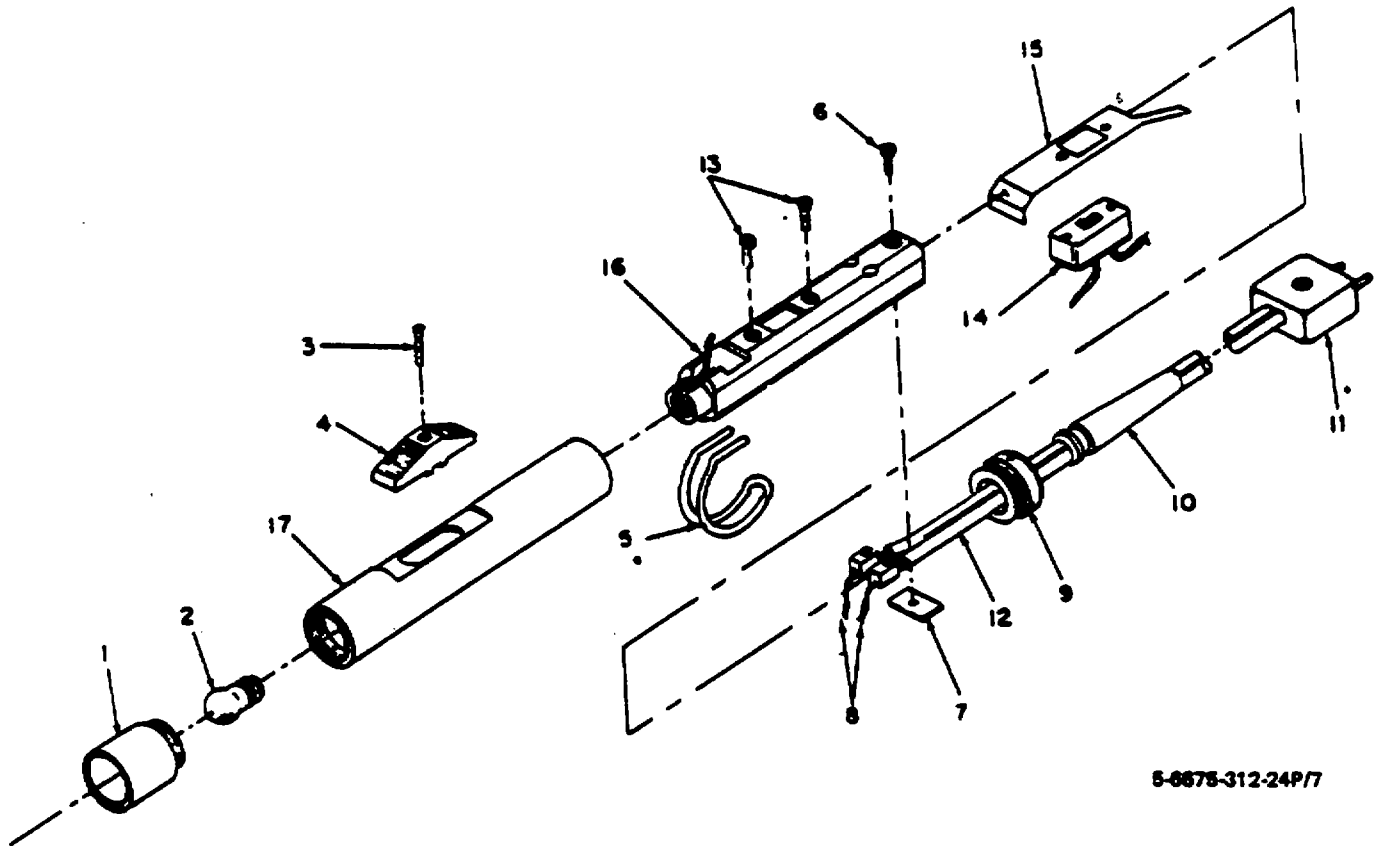
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Figure 6. Eyepiece Prism Assembly

SECTION II

TM 5-6675-312-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
6		PAOZZ	6675-01-092-4752	358293	89905	EYEPIECE PRISM ASSY.....	EA	1



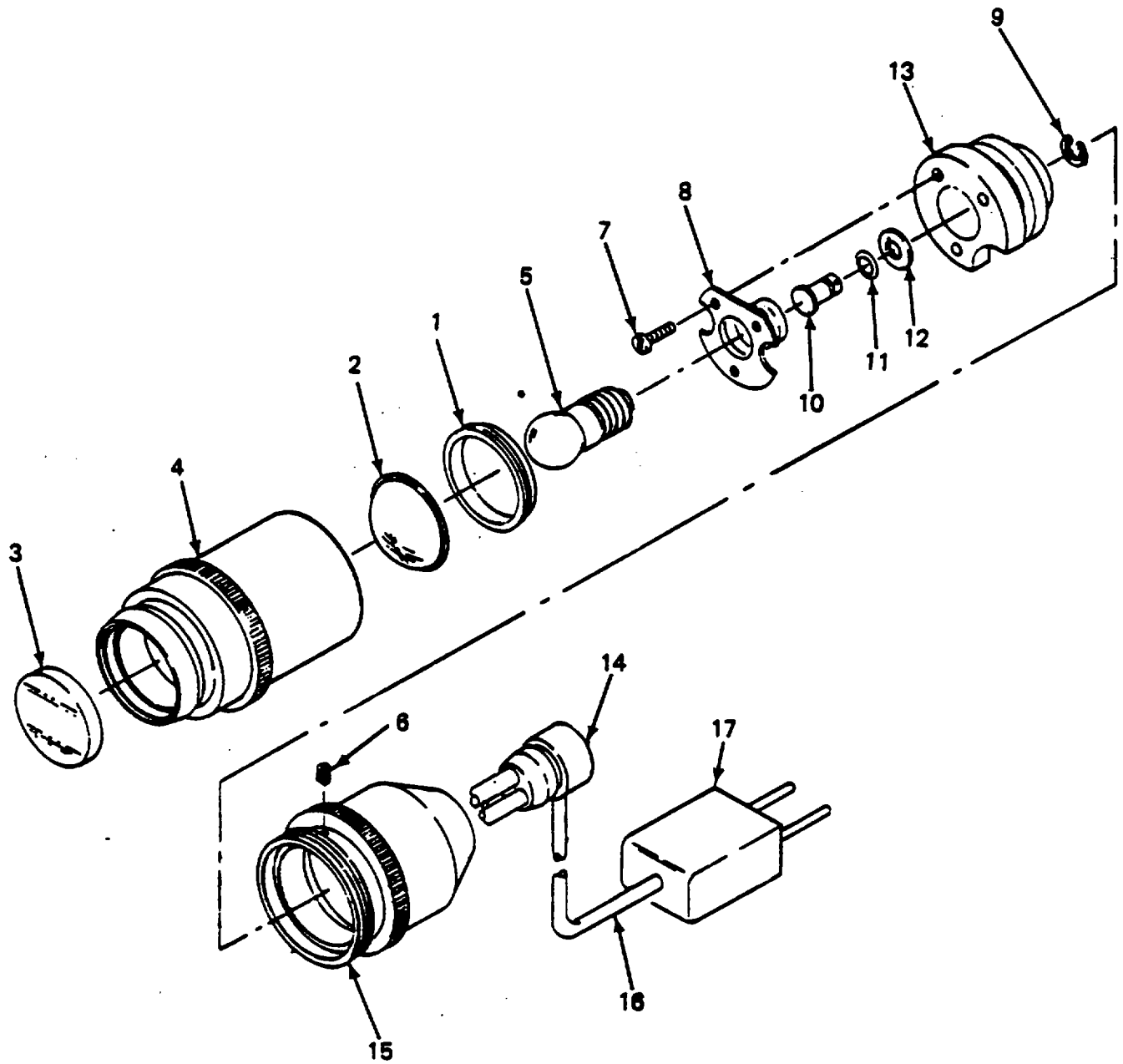
5-6675-312-24P/7

Figure 7. Handlamp

SECTION II

TM 5-6675-312-24P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
7		PAOOO	6675-01-092-5715	369364	89905	HANLAMP.....	EA	1
7	1	XBOZZ		101615	89905	.SLEEVE	EA	1
7	2	PAOZZ	6240-00-859-5934	166370	89905	.LAMP, INCANDESCENT.....	EA	1
7	3	XBOZZ		247837	89905	.SCREW MACHINE.....	EA	1
7	4	XBOZZ		308519	89905	.SLIDE, SWITCH.....	EA	1
7	5	XBOZZ		215102	89905	.HOOK	EA	1
7	6	XBOZZ		176032	89905	.SCREW, MACHINE.....	EA	1
7	7	XBOZZ		112298	89905	.PLATE	EA	1
7	8	XBOZZ		196329	89905	.WIRE, COPPER.....	EA	2
7	9	XBOZZ		105392	89905	.COVER, END	EA	1
7	10	XBOZZ		800206	89905	.SLLEEVE	EA	1
7	11	XBOZZ		193179	89905	.PLUG, ELEC, MALE.....	EA	1
7	12	XBOZZ		108140	89905	.CABLE, ELEC, 1.6M.....	EA	1
7	13	XBOZZ		176045	89905	.SCREW, MACHIINE.....	EA	2
7	14	XBOZZ		377846	89905	.SWITCH	EA	1
7	15	XBOZZ		101584	89905	.SPRING, CONTACT	EA	2
7	16	XBOZZ		108637	88905	.HOUSING, INSULATION.....	EA	1
7	17	XBOZZ		215105	89905	.HOUSING, LAMP	EA	1



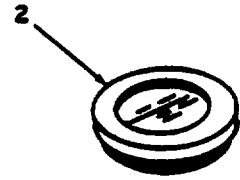
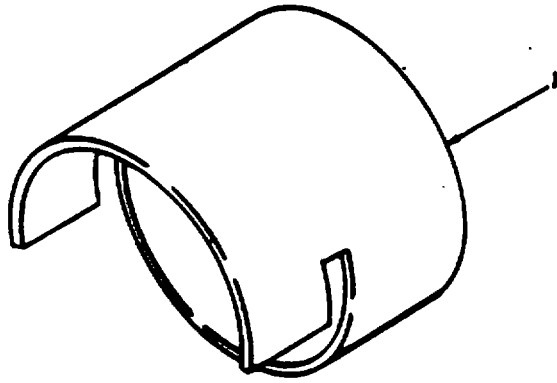
5-6675-312-24P/8

Figure 8. Illumination Assembly

SECTION II

TM 5-6675-312-24P

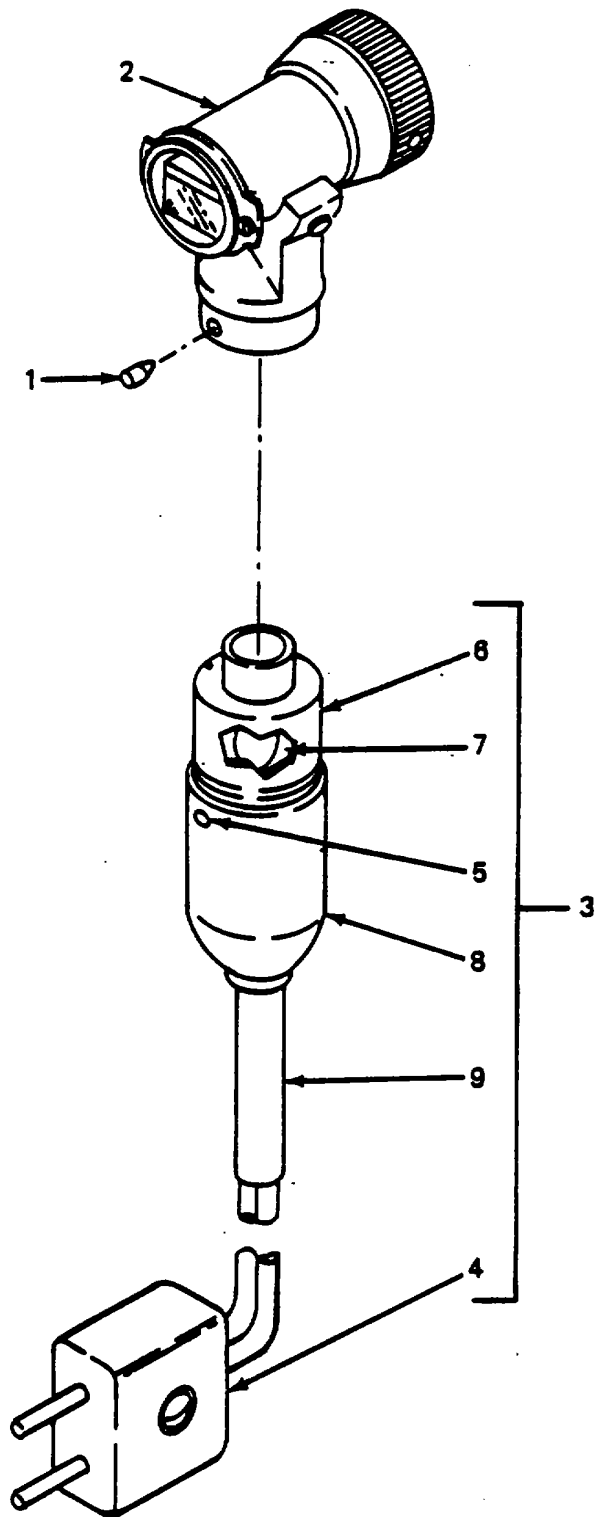
(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
8		PAOZZ		369365	89905	LAMP, PLUG-IN.....	EA	1
8	1	XBOZZ		360072	89905	RING, LOCK.....	EA	1
8	2	XBOZZ		360065	89905	.LENS, CONDENSOR.....	EA	1
8	3	XBOZZ		360071	89905	.FILTER, BLUE.....	EA	1
8	4	XBOZZ		373085	89905	.MOUNT.....	EA	1
8	5	PAOZZ	6240-00-859-5936	166370	89905	.LAMP, INCANDESCENT.....	EA	1
8	6	XBOZZ		372442	89905	.SETSCREW.....	EA	3
8	7	XBOZZ		373096	89909	.SCREW.....	EA	3
8	8	XBOZZ		366539	89905	.MOUNT, LAMP.....	EA	1
8	9	XBOZZ		163565	89905	.RING, SNAP.....	EA	1
8	10	XBOZZ		373092	89905	.CONTACT.....	EA	1
8	11	XBOZZ		107337	89905	.WASHER, SPRING.....	EA	1
8	12	XBOZZ		265582	89905	.WASHER, FLAT.....	EA	1
o	13	XBOZZ		373091	89905	.INSULATION.....	EA	1
8	14	XBOZZ		375291	89905	.SLEEVE, CABLE.....	EA	1
8	15	XBOZZ		373090	89905	.MOUNT.....	EA	1
8	16	XBOZZ		193807	89905	.CABLE, ELEC, 1.1M.....	EA	1
8	17	XBOZZ		193179	89905	.PLUG, ELECTRICAL.....	EA	1



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Figure 9. Sunshade and Filter

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
9	1	XBOZZ		376222	89909	SUNSHADE.....	EA	1
9	2	PAOZZ	6650-01-091-4136	370472	89905	FILTER, EYEPIECE	EA	1



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Figure 10. Autocollimation Eyepiece

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
10	1	AOZZ		175790	99905	EYEPIECE, AUTOCOLLI	EA	1
10	2	PBOZZ	6230-01-092-6655	199898	89905	.EYEPIECE ASSY	EA	1
10	3	PAOOO	6230-01-092-6655	199898	89905	.LAMP ASSY, PLUG-IN.....	EA	1
10	4	XBOZZ		193179	89905	.PLUG, ELECTRIC.....	EA	1
10	5	XBOZZ		184772	89905	.PIN, CYLINDRICAL	EA	1
10	6	XBOZZ		122326	89905	.MOUNT, PLUG-IN.....	EA	1
10	7	PAOZZ	6240-00-120-0140	166467	89905	.LAMP, THEOCLITE.....	EA	1
10	8	XBOZZ		349533	39905	.HOUSING LAMP	EA	1
10	9	XBOZZ		349532	39905	.CABLE ASSY, ELEC 1M.....	EA	1

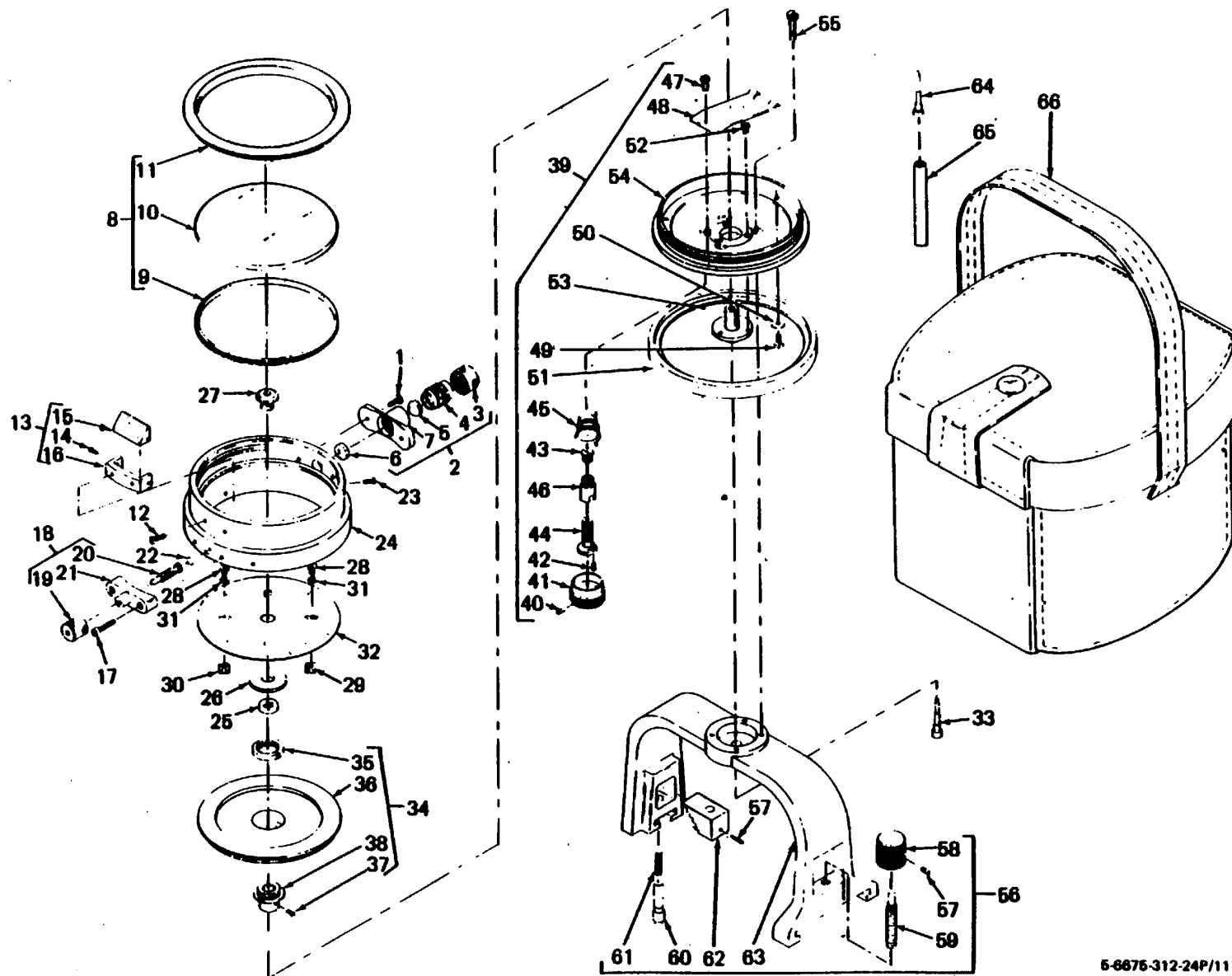


Figure 11. Circular Compass Assembly

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
11		PAOHH	6675-01-092-4514	381122	89905	COMPASS ASSY CIRCULAR..... DMC	EA	1
11		XDHH		381124	89905	COMPASS ASSY CIRCULAR MIL..... EAK	EA	1
11	1	XBHZZ		162932	89905	.SCREW, MACHINE.....	EA	2
11	2	XBHZZ		310440	89905	.EYEPIECE ASSY.....	EA	1
11	3	XBHZZ		135759	89905	.RING, DIOPTR.....	EA	1
11	4	XBHZZ		135758	89905	.MOUNT, LENS.....	EA	1
11	5	XBHZZ		135756	89905	.LENS, EYEPIECE.....	EA	1
11	6	XBHZZ		135755	89905	.LENS.....	EA	1
11	7	XBHZZ		310407	89905	.MOUNT, EYEPIECE.....	EA	1
11	8	XBHZZ		264306	89905	.COVERGLASS ASSY.....	EA	1
11	9	XBHZZ		123302	89905	.RING, LOCK.....	EA	1
11	10	XBHZZ		123300	89905	.GLASS, COVER.....	EA	1
11	11	XBHZZ		123301	89905	.MOUNT.....	EA	1
11	12	XBHZZ		175314	89905	.SCREW, MACHINE.....	EA	2
11	13	XBHZZ		264305	89905	.PRISM ASSY.....	EA	1
11	14	XBHZZ		163670	89905	.SETSCREW.....	EA	1
11	15	XBHZZ		123299	89905	.PRISM.....	EA	1
11	16	XBHZZ		123316	89905	.MOUNT PRISM.....	EA	1
11	17	XBHZZ		175380	89905	.SCREW, MACHINE.....	EA	2
11	18	XBHZZ		310435	89905	.CLAMP ASSY.....	EA	1
11	19	XBHZZ		123294	89905	.KNOB, CLAMP.....	EA	1
11	20	XBHZZ		123292	89905	.SCREW, CLAMP.....	EA	1
11	21	XBHZZ		310406	89905	.BRACKET.....	EA	1
11	22	XBHZZ		123285	89905	.PLATE, PRESSURE.....	EA	1
11	23	XBHZZ		162187	89905	.SCREW, MACHINE.....	EA	1
11	24	XBHZZ		310410	89905	.HOUSING, COMPASS.....	EA	1
11	25	XBHZZ		359619	89905	.O-RING.....	EA	1
11	26	XBHZZ		308528	89905	.MAGNET.....	EA	1
11	27	PAHZZ		319625	89905	.BEARING, CIRCLE..... DMC	EA	1
11	28	XBHZZ		162554	89905	.SCREW, MACHINE.....	EA	4
11	29	XBHZZ		123322	89905	.WEIGHT, BALANCING.....	EA	1
11	30	XBHZZ		319688	89905	.WEIGHT, BALANCING.....	EA	1
11	31	XBHZZ		307399	89905	.WASHER.....	EA	4
11	32	XBHZZ		308532	89905	.CIRCLE, COMPASS..... DMC	EA	1
11	32	XDHZZ		308534	89905	.CIRCLE, COMPASS MIL..... EAK	EA	1
11	33	XBHZZ		361538	89905	.PIVOT, COMPASS.....	EA	1
11	34	XBHZZ		264312	89905	.RING, DAMPING ASSY.....	EA	1
11	35	XBHZZ		123340	89905	.RING, LOCK.....	EA	1
11	36	XBHZZ		123338	89905	.RING, DAMPING.....	EA	1
11	37	XBHZZ		162163	89905	.SETSCREW.....	EA	1
11	38	XBHZZ		123339	89905	.FLANGE.....	EA	1
11	39	XBHZZ		264307	89905	.BASE ASSY.....	EA	1

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
11	40	XBHZZ		163816	89905	..SETSCREW.....	EA	3
11	41	XBHZZ		212340	89905	..KNOB, RELEASE.....	EA	1
11	42	XBHZZ		171246	89905	..SCREW, MACHINE.....	EA	1
11	43	XBHZZ		123287	89905	..SCREW, STOP.....	EA	1
11	44	XBHZZ		123286	89905	..BOLT.....	EA	1
11	45	XBHZZ		123312	89905	..SPRING, TORSION.....	EA	1
11	46	XBHZZ		123289	89905	..BUSHING.....	EA	1
11	47	XBHZZ		123307	89905	..SCREW.....	EA	1
11	48	XBHZZ		123306	89905	..SPRING, RELEASE.....	EA	1
11	49	XBHZZ		162910	89905	..SCREW, MACHINE.....	EA	3
11	50	XBHZZ		212159	89905	..WASHER.....	EA	3
11	51	XBHZZ		123317	89905	..CIRCLE, METAL..... DMC	EA	3
11	51	XBHZZ		123315	89905	..CIRCLE, METAL, GRADUATED MIL..... EAK	EA	1
11	52	XBHZZ		162571	89905	..SCREW, MACHINE.....	EA	1
11	53	XBHZZ		310409	89905	..FLANGE.....	EA	1
11	54	XBHZZ		310408	89905	..COVER, BOTTOM.....	EA	1
11	55	XBHZZ		162940	89905	SCREW, MACHINE.....	EA	4
11	56	XBHZZ		353458	89905	BRACKET ASSY, COMPASS.....	EA	1
11	57	XBHZZ	5305-00-378-9539	163812	89905	..SCREW, OPTICAL PLUMBING.....	EA	2
11	58	XBHZZ		301728	89905	..KNOB, KNURLED.....	EA	1
11	59	XBHZZ		301738	89905	..SCREW.....	EA	1
11	60	XBHZZ		369332	89905	..BOLT, LOCK.....	EA	1
11	61	XBHZZ		360037	89905	..SPRING.....	EA	1
11	62	XBHZZ		344381	89905	..LEVER.....	EA	1
11	63	XBHZZ		363881	89905	..BRACKET, MOUNTING.....	EA	1
11	64	XBHZZ		361538	89905	..PIVOT, COMPASS.....	EA	2
11	65	XBHZZ		270336	89905	..HOLDER, PIVOT.....	EA	1
11	66	XBHZZ		363892	89905	..CASE, CARRYING, COMPASS.....	EA	1

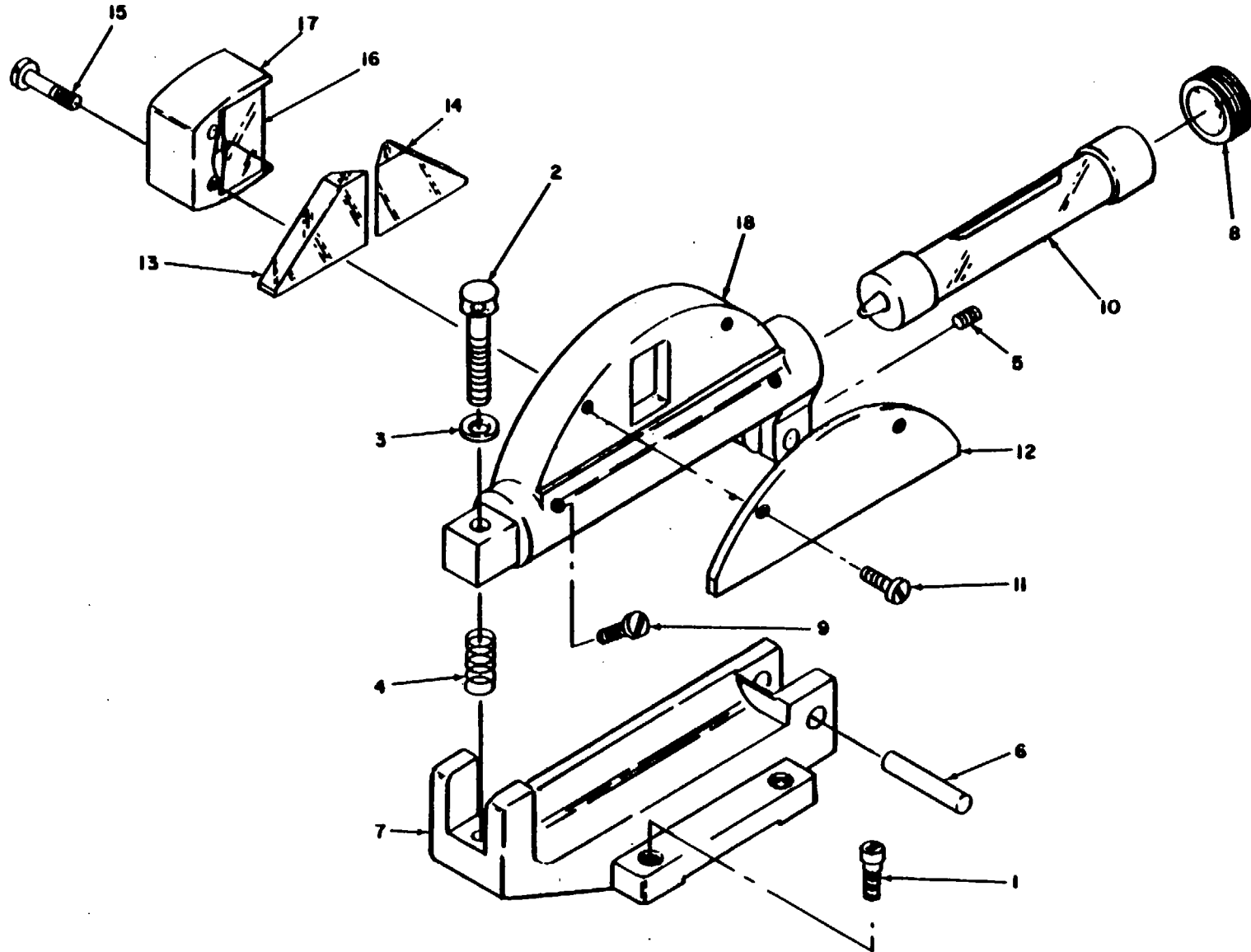
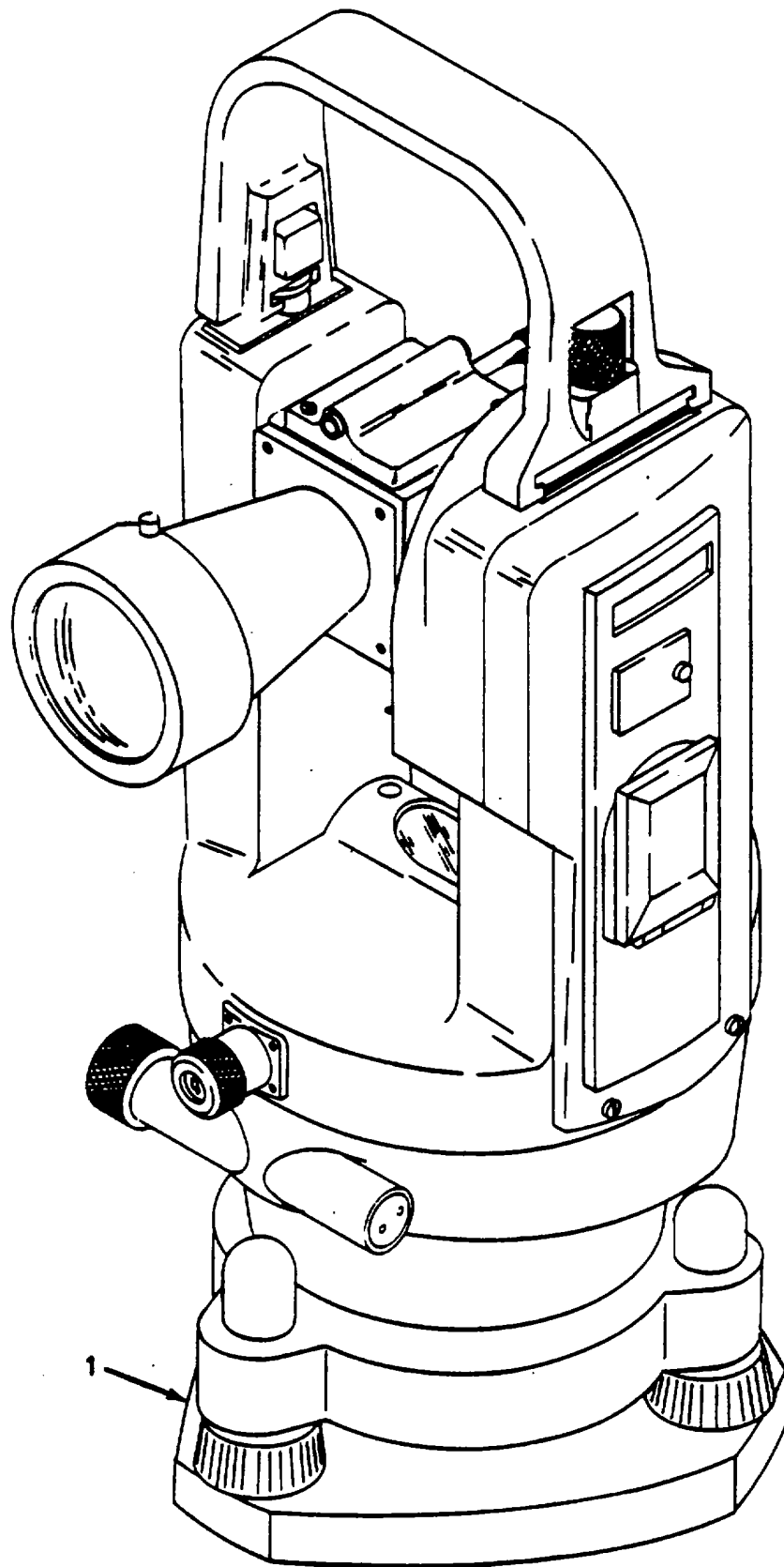


Figure 12. Telescope Level
32

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
12		PAOOZ	4475-01-092-4102	353600	89905	LEVEL SURVEYING	EA	1
12	1	XBOZZ		361111	89905	.SCREW, MACHINE	EA	4
12	2	XBOZZ		171315	89905	.SCREW, ADJUSTING	EA	1
12	3	XBOZZ		311104	89905	.WASHER	EA	1
12	4	XBOZZ		243148	89905	.SPRING	EA	1
12	5	XBOZZ	530-00-378953	163807	89905	.SCREW, HORIZONTAL	EA	1
12	6	XBOZZ		170144	89905	.PIN, CYLINDRICAL	EA	1
12	7	XBOZZ		363825	89905	.MOUNT	EA	1
12	8	XBOZZ		310494	89905	.CAP, END	EA	1
12	9	XBOZZ		161861	89905	.SCREW, MACHINE	EA	6
12	10	PAOOZ	6A7-0-09714 3292	312992	89905	.LEVEL ASSY, TUBULAR	EA	1
12	11	XBOZZ		162873	89905	.SCREW, MACHINE	EA	2
12	12	XBOZZ		310489	89905	.COVER	EA	1
12	13	XBOZZ		129757	89905	.PRISM, READING	EA	1
12	14	XBOZZ		129758	89905	.PRISM, READING	EA	1
12	15	XBOZZ		162080	89905	.SCREW, MACHINE	EA	2
12	16	XBOZZ	6675-00-378-9413	129124	89905	.PRISM, VERTICAL	EA	1
12	17	XBOZZ		310491	89905	.MOUNT, PRISM	EA	1
12	18	XBOZZ		310488	89905	.HOUSING	EA	1



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Figure 13. Theodolite
34

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
13	1	PAOFD	6675-01-092-4515	372689	99905	GROUP 03 THEODOLITE .TRIBACH GDF-10.....	EA	1

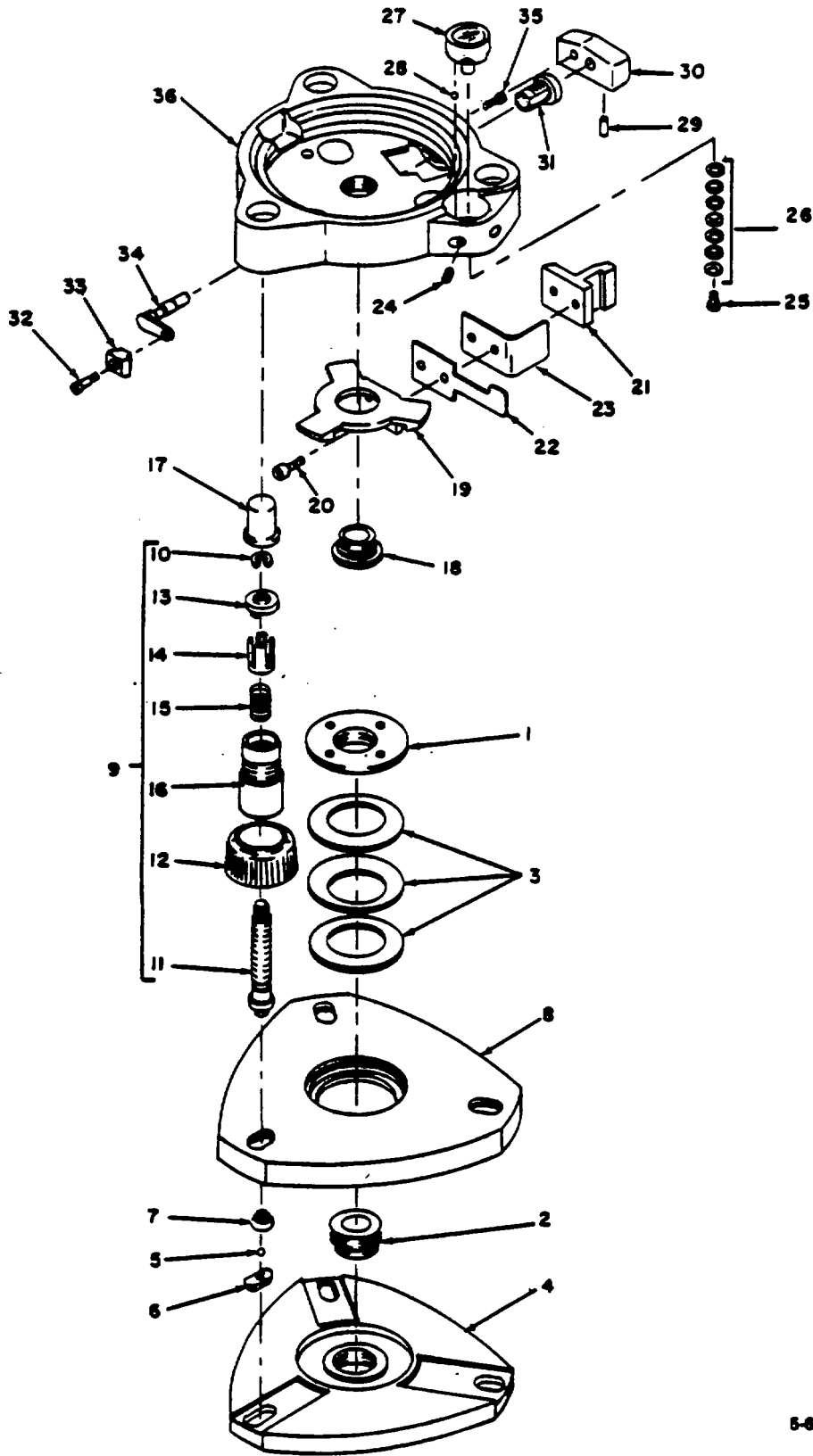
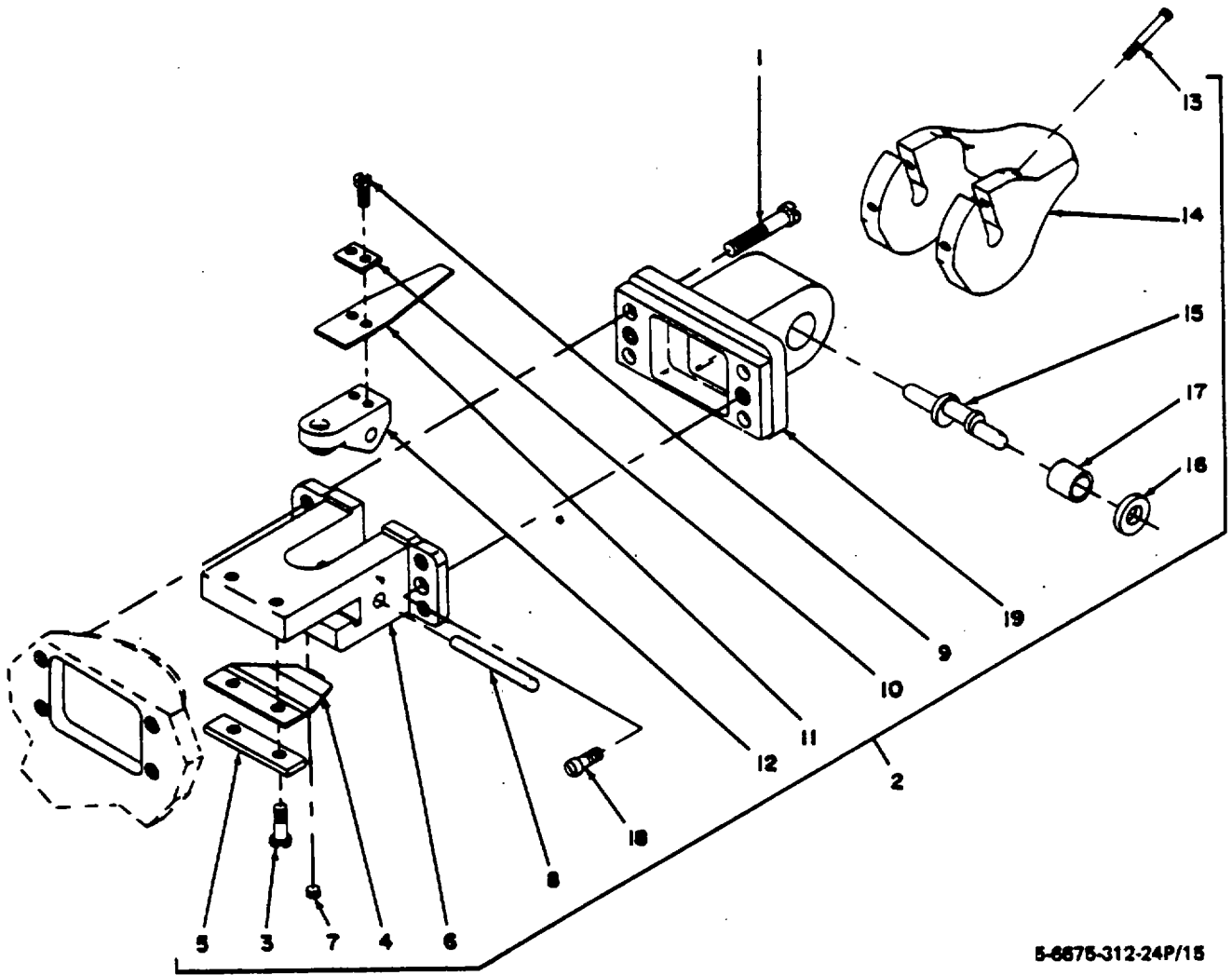


Figure 14. Tribrach Assembly
36

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
14	1	XBDZZ		341781	89905	..RING, LOCK	EA	1
14	2	XBDZZ		370450	89905	..NUT, CENTER	EA	1
14	3	XBDZZ		214456	89905	..RING, SPRING	EA	3
14	4	XBDZZ		341788	89905	..PLATE, BASE	EA	1
14	5	XBDZZ		166954	89905	..BALL, 3MM	EA	2
14	6	XBDZZ		353183	89905	..SLIDE	EA	3
14	7	XBDZZ		360541	89905	..BEARING	EA	3
14	8	XBDZZ		363927	89905	..PLATE, COVER	EA	1
14	9	XBDZZ	6675-01-092-4516	372687	89905	..FOOTSCREW ASSY	EA	2
14	10	XBDZZ		214584	89905	..RING, SNAP	EA	1
14	11	XBDZZ		346434	89905	..SCREW, LEVELING	EA	1
14	12	XBDZZ		341790	89905	..KNOB, KNURLED	EA	1
14	13	XBDZZ		366267	89905	..STOP	EA	1
14	14	XBDZZ		305071	89905	..SLEEVE, TENSION	EA	1
14	15	XBDZZ		305070	89905	..SPRING	EA	1
14	16	XBDZZ		363924	89905	..SLEEVE, THREADED	EA	1
14	17	XBDZZ		363930	89905	..COVER	EA	3
14	18	XBDZZ		107164	89905	..RING, LOCK	EA	4
14	19	XBDZZ		341791	89905	..PLATE, LOCK	EA	1
14	20	XBDZZ		175356	89905	..SCREW, MACHINE	EA	2
14	21	XBDZZ		328571	89905	..BRACKET, LEVER	EA	1
14	22	XBDZZ		358809	89905	..SPRING, LEAF	EA	1
14	23	XBDZZ		328570	89905	..SPRING, LEAF	EA	4
14	24	XBDZZ		335506	89905	..SCREW, ADJUSTING	EA	2
14	25	XBDZZ		372446	89905	..SCREW, MACHINE	EA	1
14	28	XBDZZ		236246	89905	..WASHER, SPRING	EA	2
14	27	XBDZZ		332245	89905	..VIAL, LEVEL, CIRCULAR	EA	1
14	28	XBDZZ		177675	89905	..BALL, 2MM	EA	1
14	29	XBDZZ		162437	89905	..PIN	EA	1
14	30	XBDZZ		358800	89905	..KNOB, LEVER	EA	1
14	31	XBDZZ		153319	89905	..LEVER, LOCK	EA	1
14	32	XBDZZ		161780	89905	..SCREW, MACHINE	EA	1
14	33	XBDZZ		305078	89905	..PIVOT	EA	1
14	34	XBDZZ		346445	89905	..SLEEVE	EA	1
14	35	XBDZZ		350011	89905	..SCREW, MACHINE	EA	1
14	36	XBDZZ		363925	89905	..TRIBRACH	EA	1



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Figure 15. Clamp Lever Assembly

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
15	1	XBDZZ		358321	89905	..SCREW, MACHINE	EA	4
15	2	XBDZZ		326262	89905	..LEVER ASSY, CLAMP	EA	1
15	3	XBDZZ		162579	89905	..SCREW, MACHINE	EA	2
15	4	XBDZZ		346416	89905	..SPRING, CLAMP	EA	1
15	5	XBDZZ		346417	89905	..PLATE.....	EA	1
15	6	XBDZZ		346413	89905	..BRACKET, CLAMP	EA	1
15	7	XBDZZ		163816	89905	..SETSCREW	EA	1
15	8	XBDZZ		170078	89905	..PIN, CYLINDRICAL	EA	1
15	9	XBDZZ		161021	89905	..SCREW, MACHINE	EA	2
15	10	XBDZZ		107198	89905	..PLATE.....	EA	1
15	11	XBDZZ		346418	89905	..SPRING, FLAT.....	EA	1
15	12	XBDZZ		346415	89905	..LEVER, CLAMP.....	EA	1
15	13	XBDZZ		161024	89905	..SCREW, MACHINE	EA	7
15	14	XBDZZ		346410	89905	..LEVER	EA	1
15	15	XBDZZ		346411	89905	..AXIS.....	EA	1
15	16	XBDZZ		212176	89905	..BEARING.....	EA	2
15	17	XBDZZ		311958	89905	..BUSHING	EA	1
15	18	XBDZZ		162579	89905	..SCREW, MACHINE	EA	4
15	19	XBDZZ		358258	89905	..FLANGE	EA	1

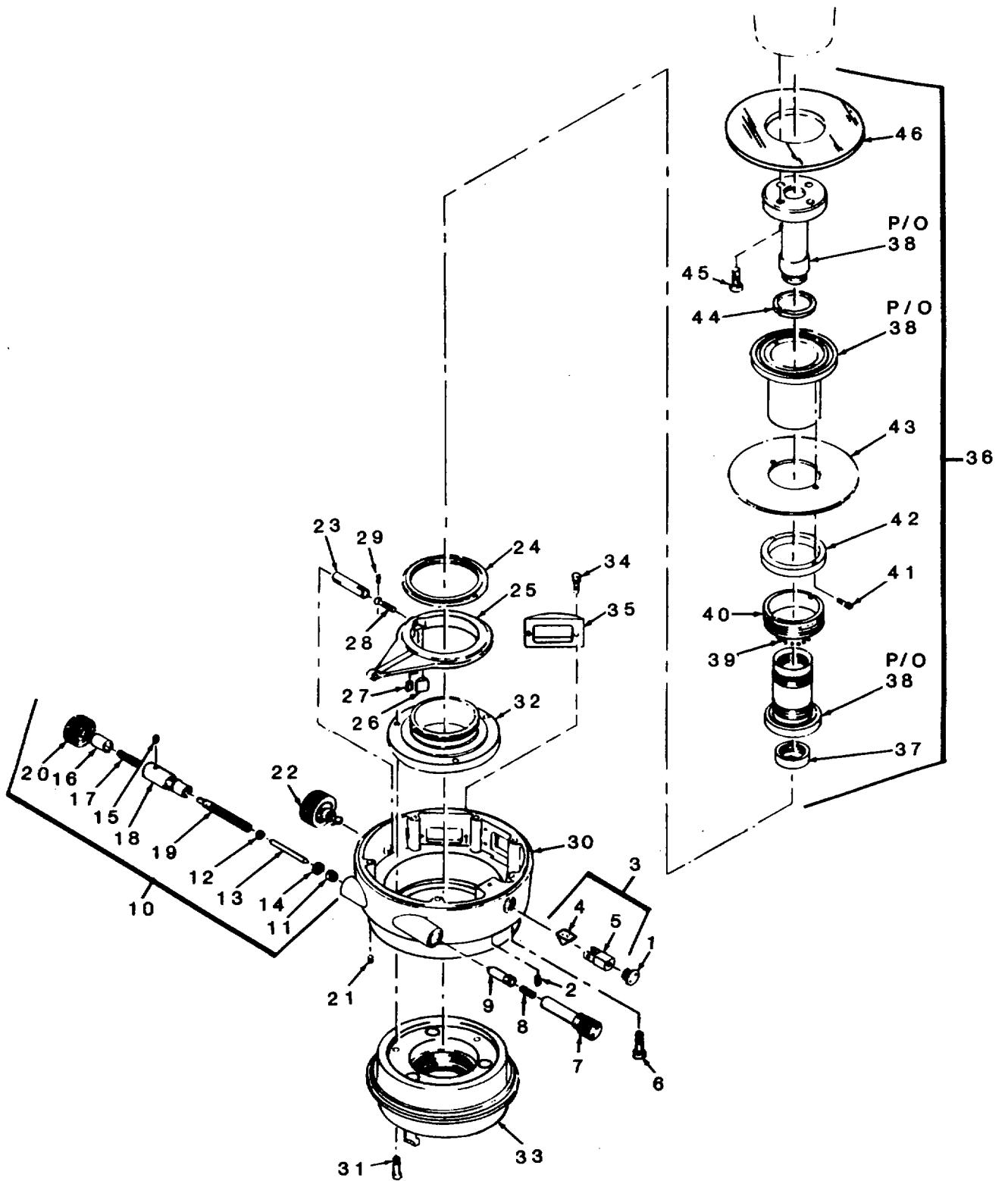
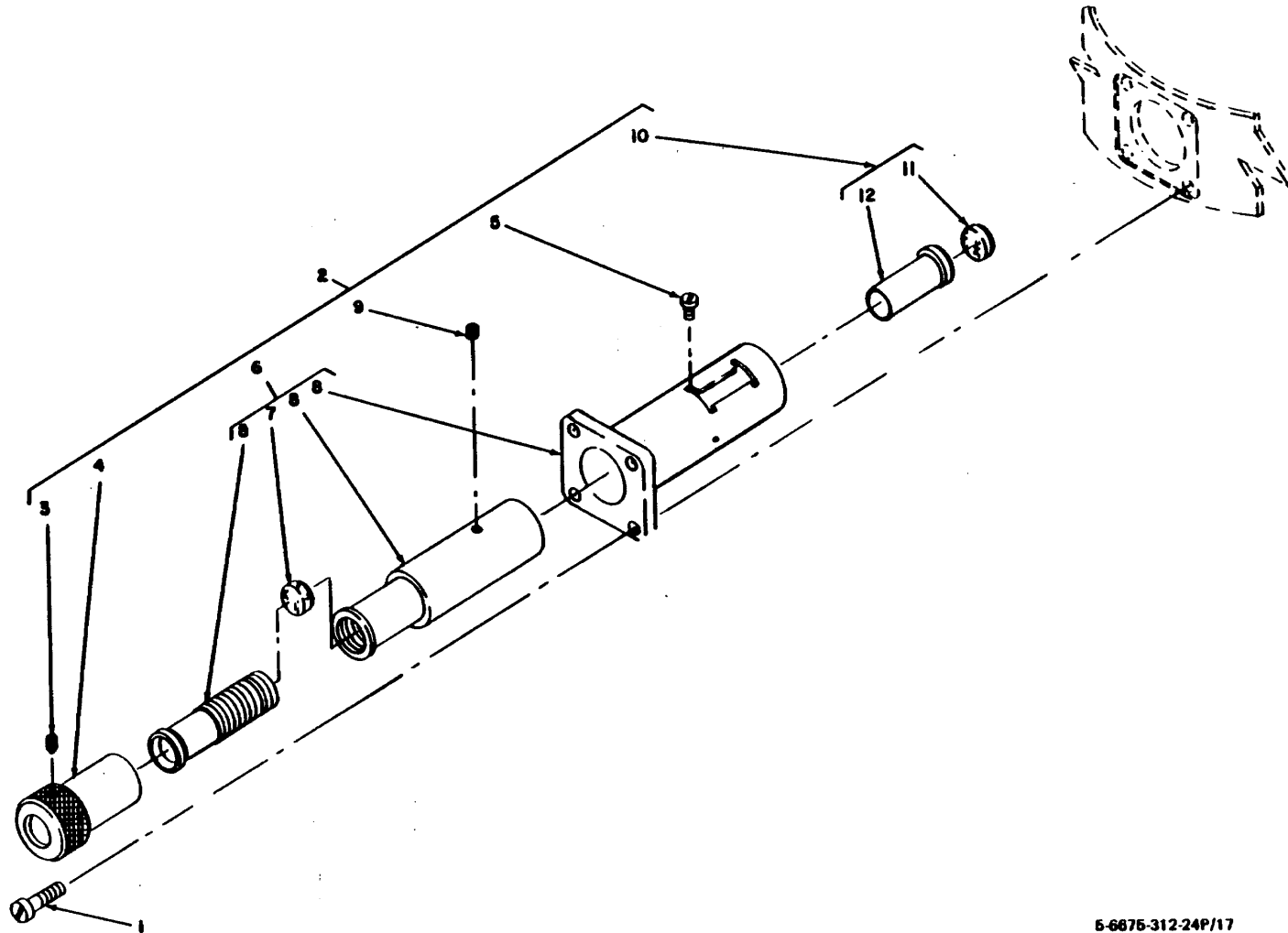


Figure 16. Illuminating Prism Assembly, Horizontal Screw Assembly, Horizontal Circle Assembly, and Vertical Axis

Change 1 40

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
16	1	XBDZZ		377830	89905	..SCREW, COVER.....	EA	1
16	2	XBDZZ		163681	89905	..SETSCREW.....	EA	1
16	3	XBDZZ		341880	89905	..PRISM ASSY, ILLUMINATION	EA	1
16	4	XBDZZ		301752	89905	..PRISM, ILLUMINATION	EA	1
16	5	XBDZZ		341879	89905	..MOUNT, PRISM.....	EA	1
16	6	XBDZZ		2969353	89905	..SCREW, MACHINE	EA	1
16	7	XBDZZ		358246	89905	..HOUSING.....	EA	1
16	8	XBDZZ		358296	89905	..SPRING.....	EA	1
16	9	XBDZZ		311916	89905	..HOUSING, SPRING	EA	1
16	10	XBDZZ		326256	89905	..SCREW ASSY, HORIZONTAL.....	EA	1
16	11	XBDZZ		377865	89905	..NUT.....	EA	1
16	12	XBDZZ		377866	89905	..RING, CLAMP	EA	1
16	13	XBDZZ		332247	89905	..PLUNGER.....	EA	1
16	14	XBDZZ		373098	89905	..NUT, LOCK	EA	1
16	15	XBDZZ		182638	89905	..SCREW.....	EA	1
16	16	XBDZZ		369381	89905	..BUSHING	EA	1
16	17	XBDZZ		366500	89905	..SPRING.....	EA	1
16	18	XBDZZ		182655	89905	..SLEEVE.....	EA	1
16	19	XBDZZ		348441	89905	..SPINDLE.....	EA	1
16	20	XBDZZ		373028	89905	..KNOB, KNURLED.....	EA	1
16	21	XBDZZ	5305-00-378-9539	163812	89905	..SCREW, OPTICAL PLUMBING	EA	3
16	22	XBDZZ		311900	89905	..KNOB ASSY, CLAMP	EA	1
16	23	XBDZZ		341896	89905	..SLEEVE, COUPLING.....	EA	1
16	24	XBDZZ		341794	89905	..RING, LOCK.....	EA	1
16	25	XBDZZ		341822	89905	..RING, CLAMP	EA	1
16	26	XBDZZ		312977	89905	..JAW, CLAMP	EA	2
16	27	XBDZZ		341890	89905	..SEGMENT, CLAMP	EA	1
16	28	XBDZZ		328442	89905	..BOLT.....	EA	1
16	29	XBDZZ		308525	89905	..PIN, CYLINDRICAL	EA	1
16	30	XBDZZ		182673	89905	..HOUSING, BASE	EA	1
16	31	XBDZZ		372415	89905	..SCREW, MACHINE	EA	3
16	32	XBDZZ		341828	89905	..FLANGE, CLAMP	EA	1
16	33	XBDZZ		341894	89905	..FLANGE, CENTERING.....	EA	1
16	34	XBDZZ		347796	89905	..SCREW, MACHINE	EA	2
16	35	XBDZZ		182677	89905	..PLATE COVER	EA	1
16	36	XBDZZ		353309	89905	..CIRCLE ASSY, HORIZONTAL (REQUISITION ITEM 46) WHEN USED ON USABLE ON CODE EAK).....	EA	1
16	37	XBDZZ		341898	89905	..NUT, LOCK	EA	1
16	38	XBDZZ		335293	89905	..AXIS, VERTICAL.....	EA	1
16	39	XBDZZ		167003	89905	..BALL 2.5MM.....	EA	1
16	40	XBDZZ		341829	89905	..RING, LOCK.....	EA	1

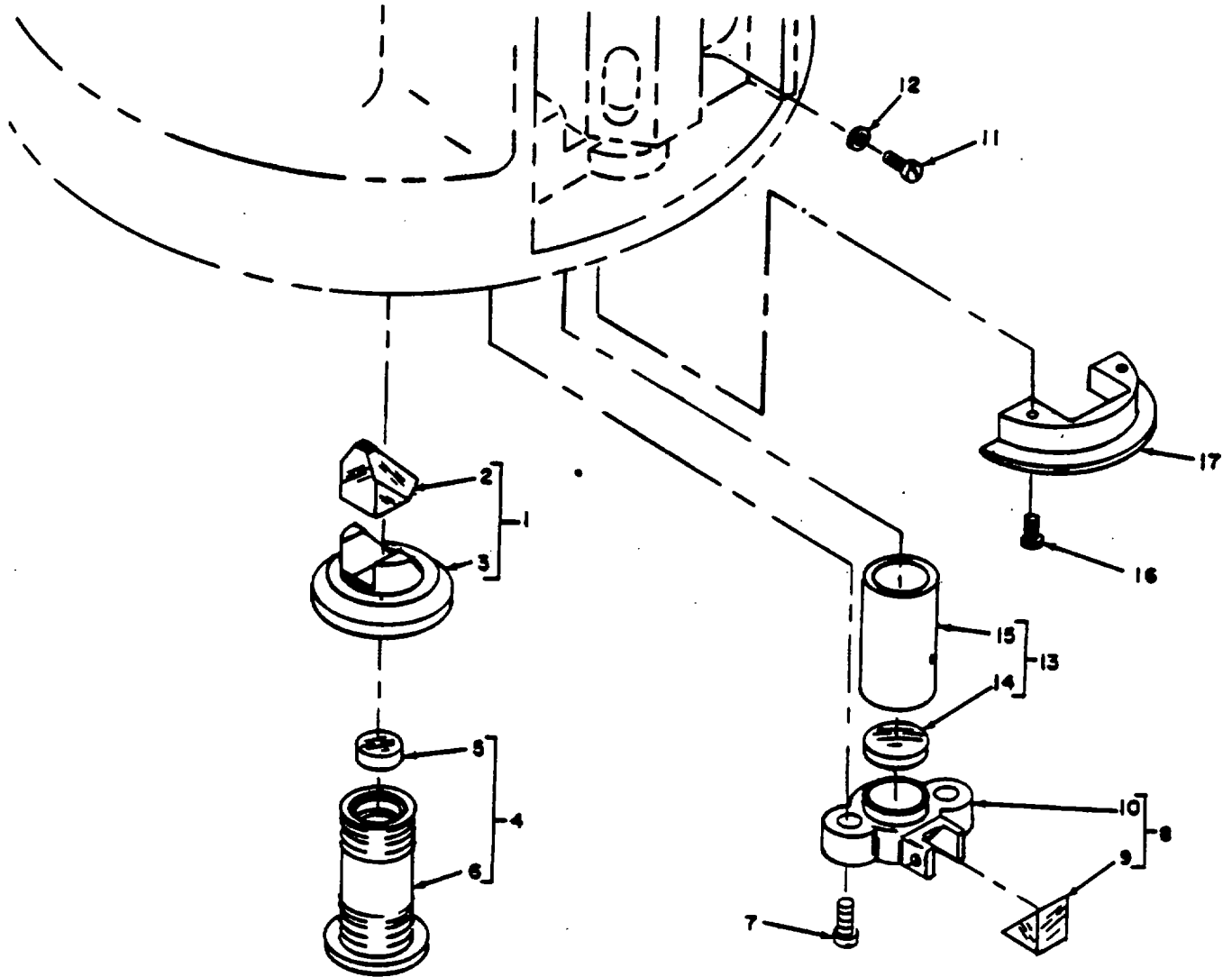
(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
16	41	XBDZZ		162690	89905	..SCREW, MACHINE	EA	4
16	42	XBDZZ		341839	89905	..CARRIER, DISK, CLAMP	EA	1
16	43	XBDZZ		341840	89905	..DISK, CLAMP	EA	1
16	44	XBDZZ		174466	89905	..RING, SECURING	EA	1
16	45	XBDZZ		347797	89905	..SCREW, MACHINE	EA	4
16	46	XBDZZ		174650	89905	..CIRCLE, HORIZONTALDMC	EA	1
16	46	XBDZZ		174649	89905	..CIRCLE, HORIZONTAL MIL (REQUISITION WHEN REQUISITIONING ITEM 36 FOR USABLE ON CODE EAK)	EA	1



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Figure 17. Optical Plumb Eyepiece Assembly

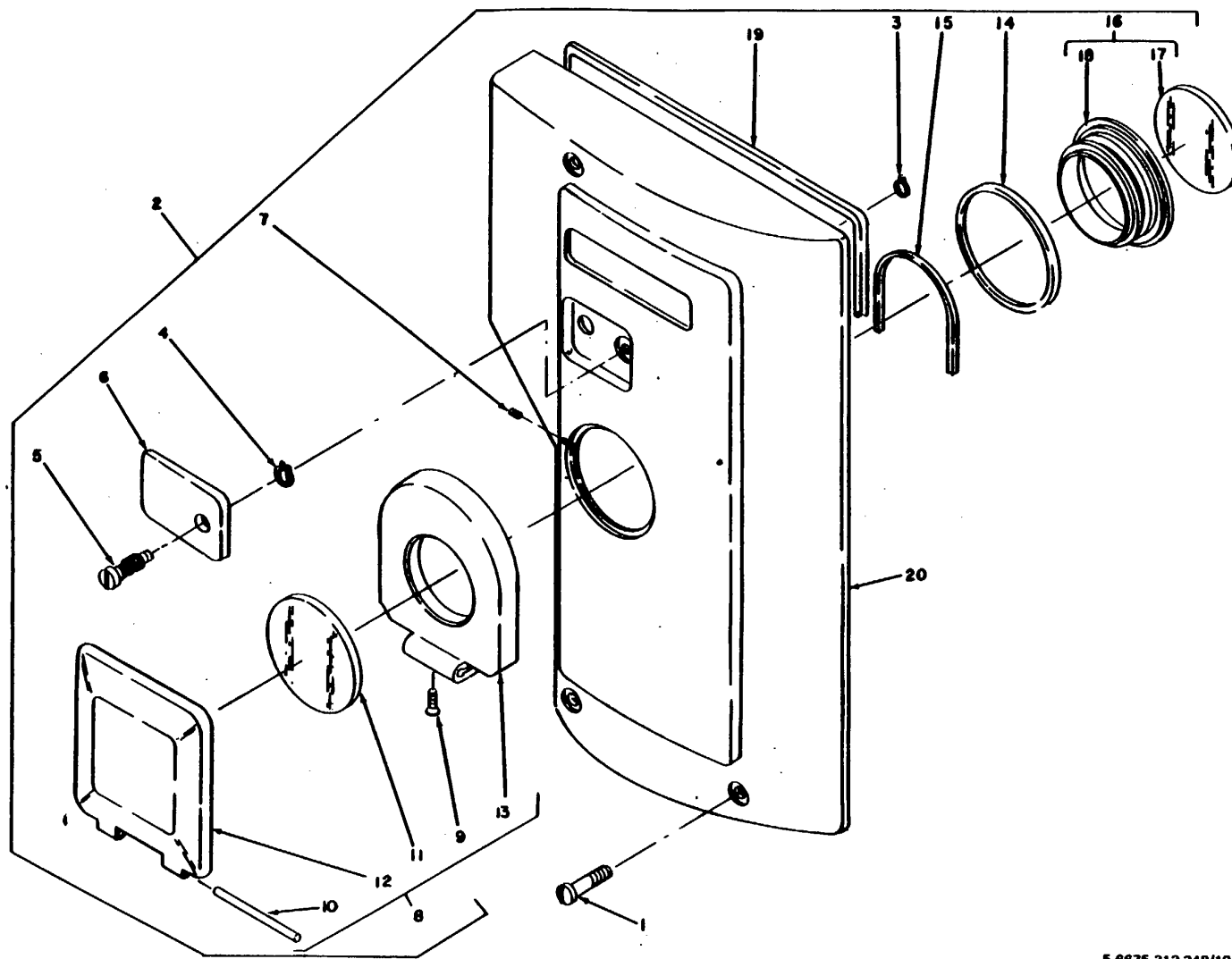
(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
17	1	XBDZZ		347796	89905	.SCREW, MACHINE	EA	4
17	2	XBDZZ		326253	89905	.EYEPIECE ASSY, OPTICAL	EA	1
17	3	XBDZZ	5305-00-378-9539	163812	89905	..SCREW, OPTICAL PLUMBING	EA	3
17	4	XBDZZ		326890	89905	..SLEEVE, KNURLED	EA	1
17	5	XBDZZ		341810	89905	..SCREW, STOP	EA	1
17	6	XBDZZ		353306	89905	..EYEPIECE ASSY, OPTICAL	EA	1
17	7	XBDZZ		346574	89905	...LENS, EYEPIECE	EA	1
17	8	XBDZZ		363916	89905	...MOUNT, LENS	EA	1
17	9	XBDZZ	5305-01-032-7357	163654	89905	..SETSCREW	EA	1
17	10	XBDZZ		353307	89905	..RETICLE ASSY, OPTICAL	EA	1
17	11	XBDZZ		301755	89905	...RETICLE, OPTICAL	EA	1
17	12	XBDZZ		326896	89905	...MOUNT, RETICLE	EA	1



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Figure 18. Optical Plumb Prism Assembly

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
18	1	XBDZZ		174517	89905	.PRISM ASSY, OPTICAL	EA	1
18	2	XBDZZ		369386	89905	..PRISM, ROOF	EA	1
18	3	XBDZZ		174499	89905	..MOUNT, PRISM	EA	1
18	4	XBDZZ		174515	89905	..LENS ASSY, OPTICAL	EA	2
18	5	XBDZZ		341874	89905	..LENS	EA	1
18	6	XBDZZ		174501	89905	..MOUNT, LENS	EA	1
18	7	XBDZZ		162636	89905	..SCREW, MACHINE	EA	2
18	8	XBDZZ		353315	89905	..PRISM ASSY, HORIZONTAL	EA	1
18	9	XBDZZ		301711	89905	..PRISM	EA	1
18	10	XBDZZ		341845	89905	..MOUNT, PRISM	EA	1
18	11	XBDZZ		162576	89905	..SCREW, MACHINE	EA	1
18	12	XBDZZ		163501	89905	..WASHER	EA	1
18	13	XBDZZ		301856	89905	..LENS ASSY, ILLUMINATION	EA	1
18	14	XBDZZ		301751	89905	..LENS, ILLUMINATION	EA	1
18	15	XBDZZ		301857	89905	..MOUNT, LENS	EA	1
18	16	XBDZZ		162576	89905	..SCREW, MACHINE	EA	2
18	17	XBDZZ		341841	89905	..GASKET	EA	1



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Figure 19. Left Cover Assembly
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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
19	1	XBDZZ		346277	89905	..SCREW, MACHINE	EA	3
19	2	XBDZZ		353313	89905	..COVER ASSY, LEFT	EA	1
19	3	XBDZZ		333320	89905	..RING, SNAP	EA	1
19	4	XBDZZ		1661321	89905	..RING, SNAP	EA	1
19	5	XBDZZ		328559	89905	..SCREW, MACHINE	EA	1
19	6	XBDZZ		360033	89905	..PLATE, COVER	EA	1
19	7	XBDZZ		163809	89905	..SETSCREW	EA	3
19	8	XBDZZ		326251	89905	..MIRROR ASSY, ILLUMINATION	EA	1
19	9	XBDZZ		347793	89905	..SCREW, MACHINE	EA	1
19	10	XBDZZ		3565073	89905	..PIN, CYLINDRICAL	EA	4
19	11	XBDZZ		301758	89905	..MIRROR, GLASS	EA	1
19	12	XBDZZ		358240	89905	..MOUNT, MIRROR	EA	1
19	13	XBDZZ		358242	89905	..CARRIER, MIRROR	EA	1
19	14	XBDZZ		311905	89905	..SPRING	EA	1
19	15	XBDZZ		346537	89905	..CLAMP, SPRING	EA	1
19	16	XBDZZ		353312	89905	..GROUND GLASS ASSY	EA	1
19	17	XBDZZ		301759	89905	..GROUND GLASS	EA	1
19	18	XBDZZ		328059	89905	..MOUNT	EA	1
19	19	XBDZZ		336700	89905	..GASKET, RUBBER	FT	1
19	20	XBDZZ		358252	89905	..COVER, LEFT	EA	1

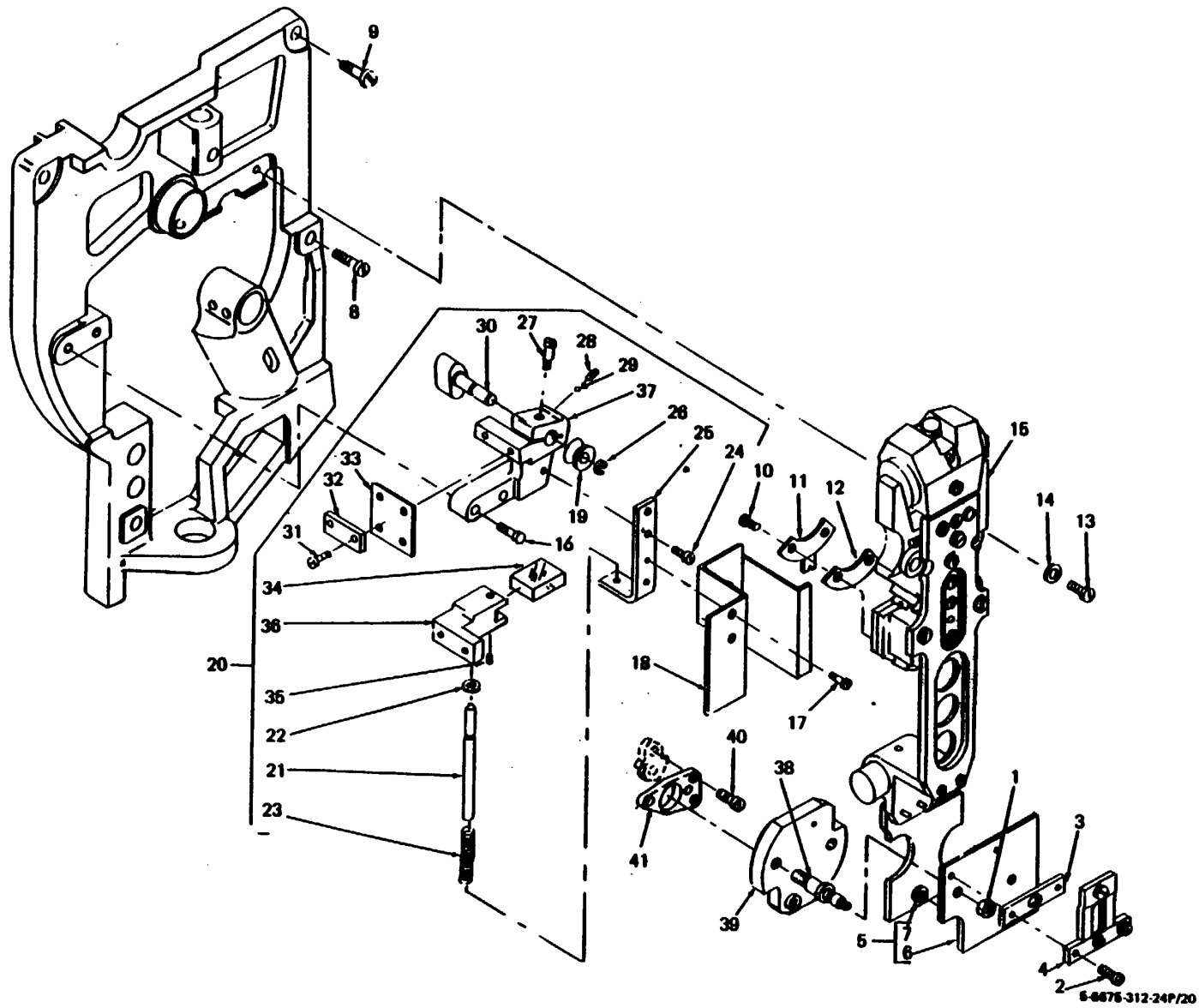
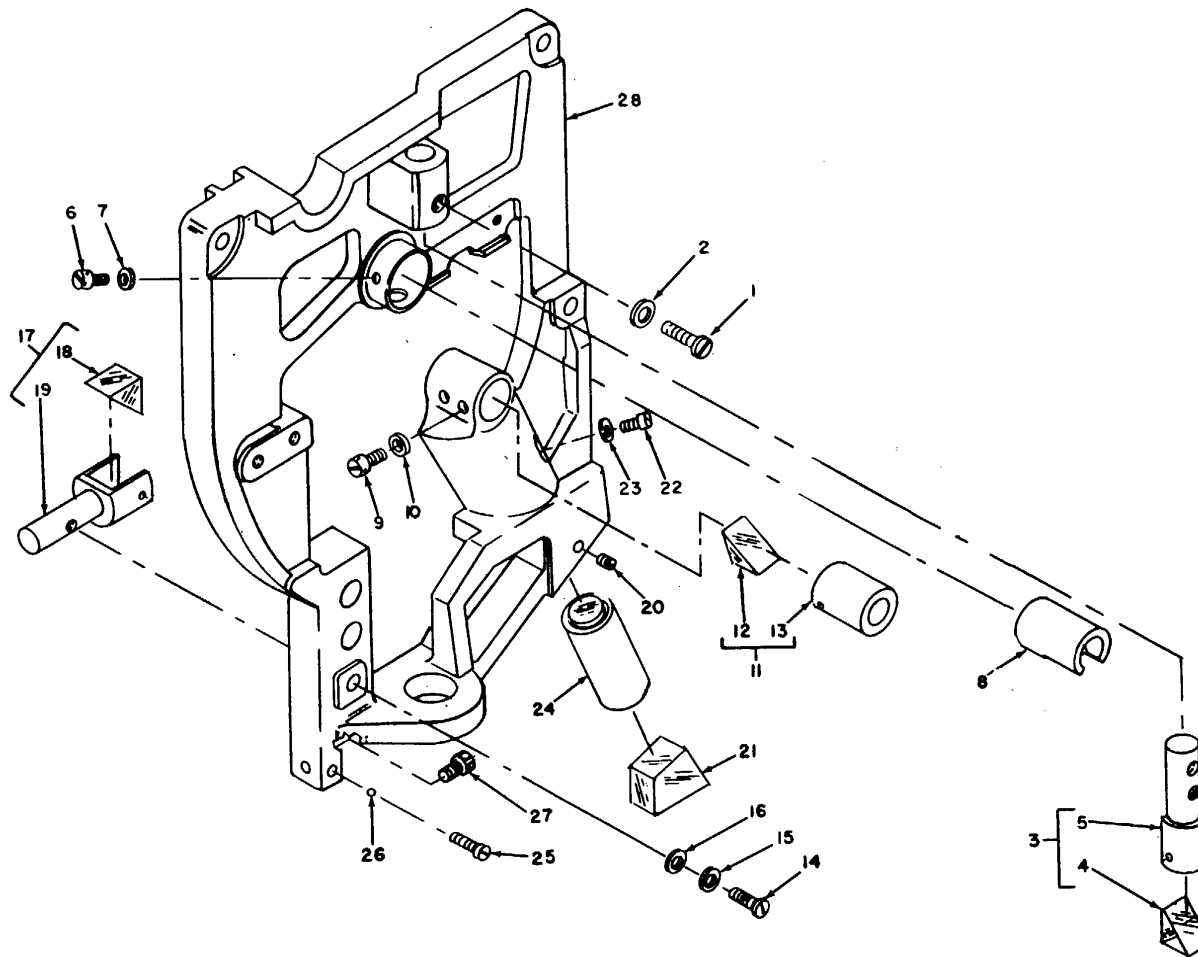


Figure 20. Adjuster Assembly and Compensator
50

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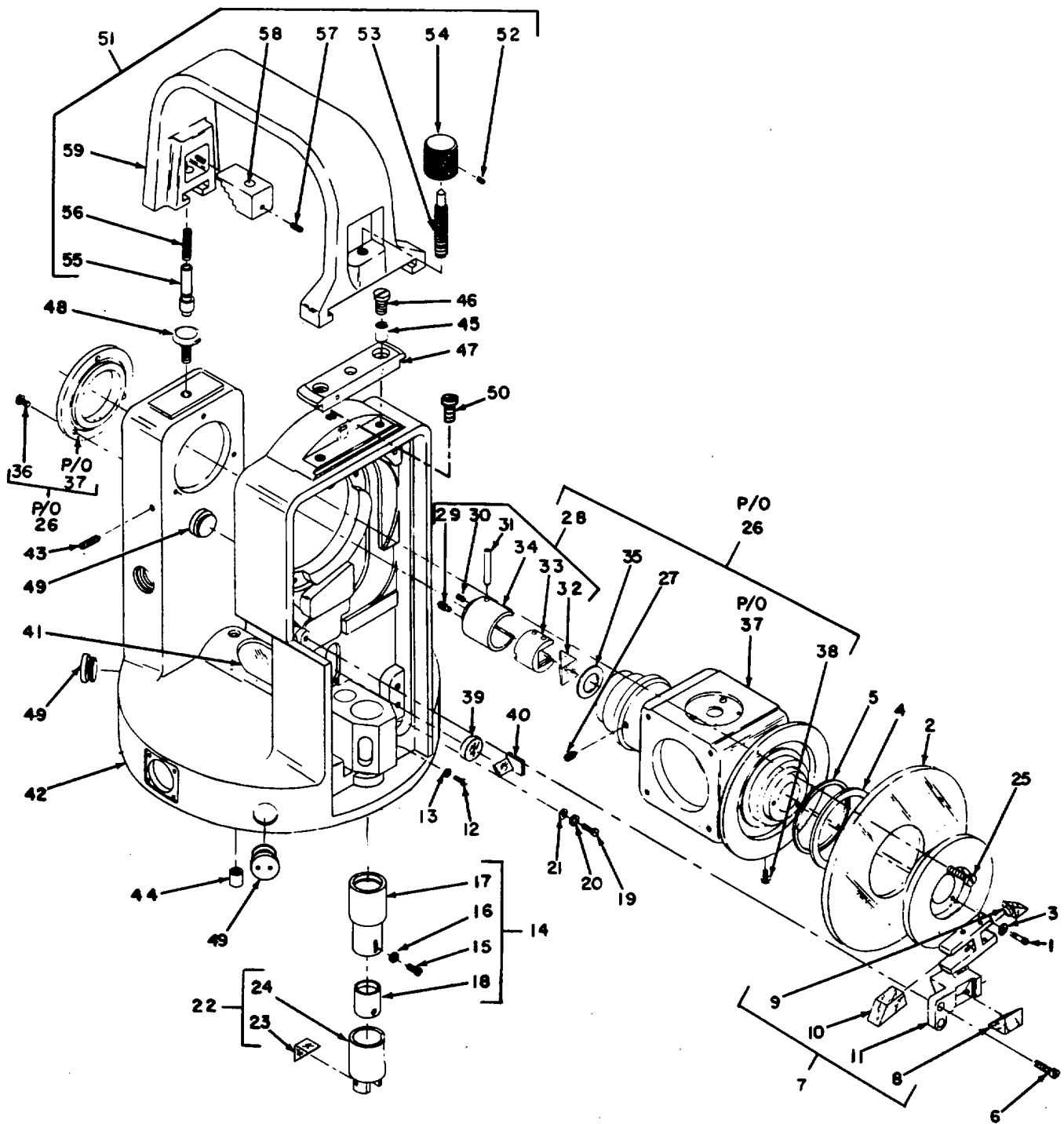
(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
20	1	XBDZZ		183513	89905	.NUT	EA	2
20	2	XBDZZ		162576	89905	.SCREW, MACHINE	EA	2
20	3	XBDZZ		348476	89905	.PLATE, SPACER	EA	1
20	4	XBDZZ		353329	89905	.STOP ASSY	EA	1
20	5	XBDZZ		356083	89905	.PLATE ASSY	EA	1
20	6	XBDZZ		351124	89905	.PLATE	EA	1
20	7	XBDZZ		373042	89905	.DISK	EA	1
20	8	XBDZZ		162702	89905	.SCREW, MACHINE	EA	1
20	9	XBDZZ		381622	89905	.SCREW, MACHINE	EA	2
20	10	XBDZZ		162461	89905	.SCREW, MACHINE	EA	2
20	11	XBDZZ		348472	89905	.DIAGRAM, WARNING DMC	EA	1
20	11	XBDZZ		351091	89905	.DIAGRAM, WARNING EAK	EA	1
20	12	XBDZZ		308537	89905	.PLATE, SPACER	EA	1
20	13	XBDZZ		296953	89905	.SCREW, MACHINE	EA	2
20	14	XBDZZ		136154	89905	.WASHER	EA	2
20	15	XBDZZ		372534	89905	.COMPENSATOR ASSY DMC	EA	1
20	15	XBDZZ		373743	89905	.COMPENSATOR ASSY, MIL EAK	EA	1
20	16	XBDZZ		162690	89905	.SCREW, MACHINE	EA	2
20	17	XBDZZ		162576	89905	.SCREW, MACHINE	EA	2
20	18	XBDZZ		373074	89905	.PLATE, COVER	EA	1
20	19	XBDZZ		355360	89905	.GASKET	EA	1
20	20	XBDZZ		353318	89905	.ADJUSTER ASSY	EA	1
20	21	XBDZZ		328055	89905	.PIN	EA	1
20	22	XBDZZ		347794	89905	.WASHER, SAFETY	EA	1
20	23	XBDZZ		328056	89905	.SPRING	EA	1
20	24	XBDZZ		162576	89905	.SCREW, MACHINE	EA	6
20	25	XBDZZ		328057	89905	.BRACKET, ANGLE	EA	1
20	26	XBDZZ		333320	89905	.RING, SNAP	EA	1
20	27	XBDZZ		162634	89905 *	.SCREW, MACHINE	EA	1
20	28	XBDZZ		163650	89905	.SETSCREW	EA	1
20	29	XBDZZ		214372	89905	.BALL, 1/16 IN	EA	1
20	30	XBDZZ		174496	89905	.EXCENTER	EA	1
20	31	XBDZZ		162570	89905	.SCREW, MACHINE	EA	2
20	32	XBDZZ		311932	89905	.PLATE	EA	2
20	33	XBDZZ		328054	89905	.PLATE, SPRING	EA	1
20	34	XBDZZ		301710	89905	.PLATE, PLANE	EA	1
20	35	XBDZZ	5305-01-032-7357	163654	89905	.SETSCREW	EA	1
20	36	XBDZZ		311934	89905	.MOUNT, PLANE	EA	1
20	37	XBDZZ		174479	89905	.BRACKET	EA	1
20	38	XBDZZ		348474	89905	.BOLT	EA	2
20	39	XBDZZ		356057	89905	.FLANGE, ASSY	EA	1
20	40	XBDZZ		162681	89905	.SCREW, MACHINE	EA	2
20	41	XBDZZ		351123	89905	.BRACKET	EA	1



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Figure 21. Reading Prism and Vertical Objective Assemblies

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)	
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT	
21	1	XBDZZ	5305-01-032-7350	162584	89905	.SCREW, MACHINE	EA	1	
21	2	XBDZZ		301829	89905	.WASHER	EA	1	
21	3	XBDZZ		333046	89905	.PRISM ASSY.....	EA	1	
21	4	XBDZZ		336626	89905	.PRISM.....	EA	1	
21	5	XBDZZ		336627	89905	.MOUNT, PRISM.....	EA	1	
21	6	XBDZZ		163424	89905	.SCREW, ADJUSTING.....	EA	1	
21	7	XBDZZ		311952	89905	.WASHER.....	EA	1	
21	8	XBDZZ		360035	89905	.SCALE, READING, MOUNTING	DMC	EA	1
21	8	XBDZ7		305002	89905	.SCALE, READING, MOUNTING MIL	EAK	EA	1
21	9	XBDZZ		224975	89905	.SCREW, ADJUSTING.....	EA	1	
21	10	XBDZZ		301798	89905	.DISK.....	EA	1	
21	11	XBDZZ		325798	89905	.PRISM ASSY, READING	EA	1	
21	12	XBDZZ		346444	89905	.PRISM	EA	1	
21	13	XBDZZ		325797	89905	.MOUNT, PRISM.....	EA	1	
21	14	XBDZZ		244968	89905	.SCREW, MACHINE	EA	1	
21	15	XBDZZ		346545	89905	.WASHER.....	EA	1	
21	16	XBDZZ		346544	89905	.WASHER.....	EA	1	
21	17	XBDZZ		346542	89905	.PRISM ASSY.....	EA	1	
21	18	XBDZZ		301709	89905	.PRISM.....	EA	1	
21	19	XBDZZ		346541	89905	.MOUNT, PRISM.....	EA	1	
21	20	XBDZZ	6675-00-862-2584	163660	89905	.SCREW HOUSING.....	EA	1	
21	21	XBDZZ		335568	89905	.PRISM	EA	1	
21	22	XBDZZ		162576	89905	.SCREW, MACHINE	EA	1	
21	23	XBDZZ		224971	89905	.WASHER	EA	1	
21	24	XBDZZ		322860	89905	.OBJECTIVE ASSY, VERTICAL	EA	1	
21	25	XBDZZ		175371	89905	.SETSCREW	EA	1	
21	26	XBDZZ		214372	89905	.BALL, 1/16 IN. NYLON	EA	1	
21	27	XBDZZ		162264	89905	.SCREW, ADJUSTING	EA	1	
21	28	XBDZZ		352920	89905	.PLATE.....	EA	1	



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Figure 22. Vertical Circle, Illuminating and Horizontal Objective Assemblies, Telescope Axis, 90° Prism, and U-Standard Assembly

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
22	1	XBDZZ		296949	89905	.SCREW, MACHINE	EA	3
22	2	XBDZZ		174653	89905	.CIRCLE, VERTICALDMC	EA	1
22	2	XBDZZ		174655	89905	.CIRCLE, VERTICAL MILEAK	EA	1
22	3	XBDZZ		163501	89905	.WASHER	EA	3
22	4	XBDZZ		311904	89905	.RING	EA	1
22	5	XBDZZ		311905	89905	.RING, SPRING	EA	1
22	6	XBDZZ		162681	89905	.SCREW, MACHINE	EA	2
22	7	XBDZZ		353324	89905	.ILLUMINATING ASSY	EA	1
22	8	XBDZZ		341881	89905	.PRISM	EA	1
22	9	XBDZZ		301746	89905	.PRISM ASSY	EA	1
22	10	XBDZZ		341882	89905	.PRISM	EA	1
22	11	XBDZZ		341878	89905	.MOUNT	EA	1
22	12	XBDZZ		162620	89905	.SCREW, MACHINE	EA	1
22	13	XBDZZ		212131	89905	.WASHER	EA	1
22	14	XBDZZ		353327	89905	.OBJECTIVE ASSY, HORIZONTAL	EA	1
22	15	XBDZZ		162571	89905	.SCREW, MACHINE	EA	1
22	16	XBDZZ		163501	89905	.WASHER	EA	1
22	17	XBDZZ		301848	89905	.OBJECTIVE I ASSY	EA	1
22	18	XBDZZ		301850	89905	.OBJECTIVE II ASSY	EA	1
22	19	XBDZZ		162576	89905	.SCREW, MACHINE	EA	1
22	20	XBDZZ		301854	89905	.WASHER	EA	1
22	21	XBDZZ		301855	89905	.WASHER	EA	1
22	22	XBDZZ		341842	89905	.PRISM ASSY	EA	1
22	23	XBDZZ		301711	89905	. PRISM	EA	1
22	24	XBDZZ		341843	89905	. MOUNT, PRISM	EA	1
22	25	XBDZZ		212703	89905	.SCREW, MACHINE	EA	6
22	26	XBDZZ		353321	89905	.AXIS ASSY, TRUNNION	EA	1
22	27	XBDZZ		163838	89905	. SETSCREW	EA	3
22	28	XBDZZ		353322	89905	. PRISM ASSY, AXIS	EA	1
22	29	XBDZZ		258735	89905	...SETSCREW	EA	1
22	30	XBDZZ		163662	89905	...SETSCREW	EA	1
22	31	XBDZZ		301897	89905	...PIN, CYLINDRICAL	EA	1
22	32	XBDZZ		301731	89905	...PRISM, AXIS	EA	1
22	33	XBDZZ		341868	89905	...MOUNT, PRISM	EA	1
22	34	XBDZZ		341867	89905	. MOUNT, ADJUSTING	EA	1
22	35	XBDZZ		301893	89905	.DIAPHRAGM	EA	1
22	36	XBDZZ		162681	89905	.SCREW, MACHINE	EA	3
22	37	XBDZZ		363918	89905	.AXIS, TRUNNION	EA	1
22	38	XBDZZ		362438	89905	.SCREW, MACHINE	EA	4
22	39	XBDZZ		301760	89905	.WINDOW	EA	1
22	40	XBDZZ		381151	89905	.MIRROR ASSY	EA	1

(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTRATION		SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION <i>USABLE ON CODE</i>	U/M	QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.							
22	41	XBDZZ		332348	89905	.COVER, PLASTIC	EA	1
22	42	XBDZZ		381154	89905	.U-FRAME	EA	1
22	43	XBDZZ		163870	89905	.SETSCREW	EA	6
22	44	XBDZZ		169868	89905	.INSERT, THREADED	EA	4
22	45	XBDZZ		350014	89905	.INSERT, THREADED.....	EA	2
22	46	XBDZZ		350012	89905	.SCREW, MACHINE.....	EA	2
22	47	XBDZZ		312958	89905	.BRACKET, ACCESSORY	EA	1
22	48	XBDZZ		312959	89905	.KNOB, ACCESSORY	EA	1
22	49	XBDZZ		377830	89905	.SCREW, COVER	EA	5
22	50	XBDZZ		362411	89905	.SCREW, MACHINE	EA	1
22	51	XBDZZ		372708	89905	.HANDLE ASSY	EA	1
22	52	XBDZZ	5305-00-378-953	163812	89905	..SCREW, SET	EA	2
22	53	XBDZZ		301738	89905	..SCREW	EA	1
22	54	XBDZZ		301728	89905	..KNOB, KNURLED	EA	1
22	55	XBDZZ		369332	89905	..BOLT LOCK	EA	1
22	56	XBDZZ		360037	89905	..SPRING	EA	1
22	57	XBDZZ	5305-00-3789533	163812	89905	.SCREW, OPTICAL PLUMBING.....	EA	2
22	58	XBDZZ		344381	89905	..LEVER	EA	1
22	59	XBDZZ		344392	89905	..HANDLE.....	EA	1

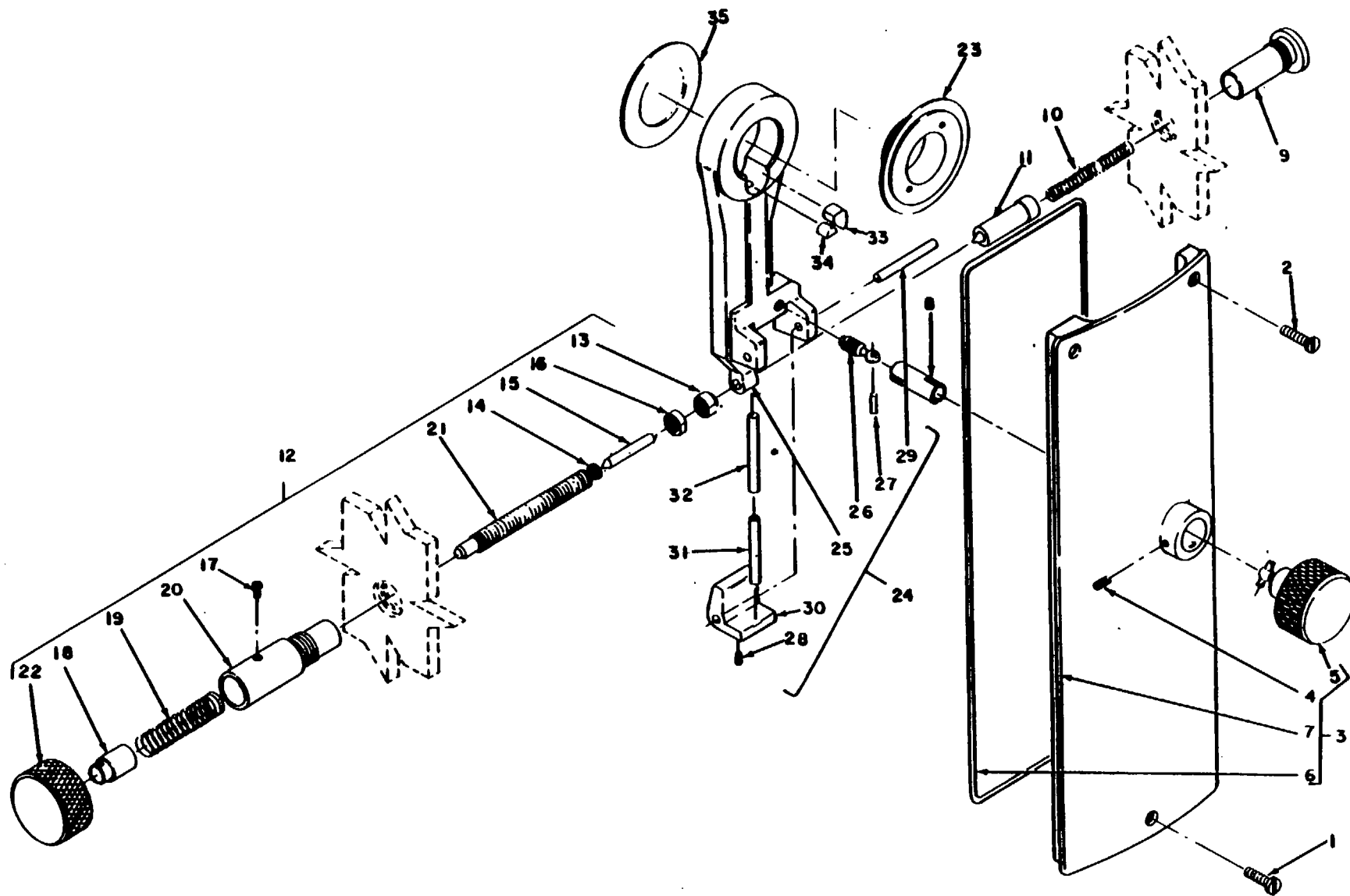


Figure 23. Right Side Cover, Vertical Slow Motion Screw, and Vertical Clamp Assemblies

6-6676-312-24P/23

(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTRATION		SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.							
23	1	XBDZZ	5305-00-378-9539	390015	89905	.SCREW, MACHINE.....	EA	1
23	2	XBDZZ		350011	89905	.SCREW, MACHINE.....	EA	2
23	3	XBDZZ		372506	89905	COVER ASSY. RIGHT	EA	1
23	4	XBDZZ		163812	89905	SCREW, OPTICAL	EA	3
23	5	XBDZZ		311900	89905	KNOB ASSY. CLAMP	EA	1
23	6	XBDZZ		336700	89905	GASKET	EA	1
23	7	XBDZZ		358260	89905	COVER. RIGHT.....	EA	1
23	8	XBDZZ		328510	89905	SLEEVE COUPLING	EA	1
23	9	XBDZZ		358248	89905	HOUSING	EA.	1
23	10	XBDZZ		366599	89909	SPRING	EA	1
23	11	XBDZZ		311916	89905	HOUSING. SPRING	EA	1
23	12	XBDZZ		326620	89905	SCREW ASSY, VERTICAL.....	EA	1
23	13	XBDZZ		377865	89905	NUT	EA.	1
23	14	XBDZZ	5305-01-032-7356	377866	89905	RING, CLAMP.....	EA	1
23	15	XBDZZ		332248	89905	PLUNGER	EA	1
23	16	XBDZZ		373098	89905	NUT, LOCK.....	EA	1
23	17	XBDZZ		182638	89905	SCREW	EA.	1
23	18	XBDZZ		369381	89905	BUSHING.....	EA	1
23	19	XBDZZ		366500	89905	SPRING	EA	1
23	20	XBDZZ		182655	89905	SLEEVE	EA	1
23	21	XBDZZ		348441	89905	SPINDLE	EA	1
23	22	XBDZZ		373028	89905	SLEEVE.....	EA	1
23	23	XBDZZ		341869	89905	RING, LOCK	EA	1
23	24	XBDZZ		163786	89905	CLAMP ASSY, VERTICAL	EA	1
23	25	XBDZZ		341885	89905	LEVER. CLAMP.....	EA	1
23	26	XBDZZ		341887	89905	BOLT, PRESSURE	EA	1
23	27	XBDZZ		308525	89905	PIN, CYLINDRICAL	EA	1
23	28	XBDZZ		163786	89905	SETSCREW	EA	1
23	29	XBDZZ		356065	89905	PIN CYLINDRICAL	EA	1
23	30	XBDZZ		341886	89905	SWIVEL	EA	1
23	31	XBDZZ	341888	89905	PIN, CYLINDRICAL	EA	1	
23	32	XBDZZ	224977	89905	PIN. CYLINDRICAL	EA	1	
23	33	XBDZZ	341889	89905	JAW, CLAMP	EA	2	
23	34	XBDZZ	341890	89905	SEGMENT CLAMP	EA	1	
23	35	XBDZZ	345496	89905	RING	EA	1	

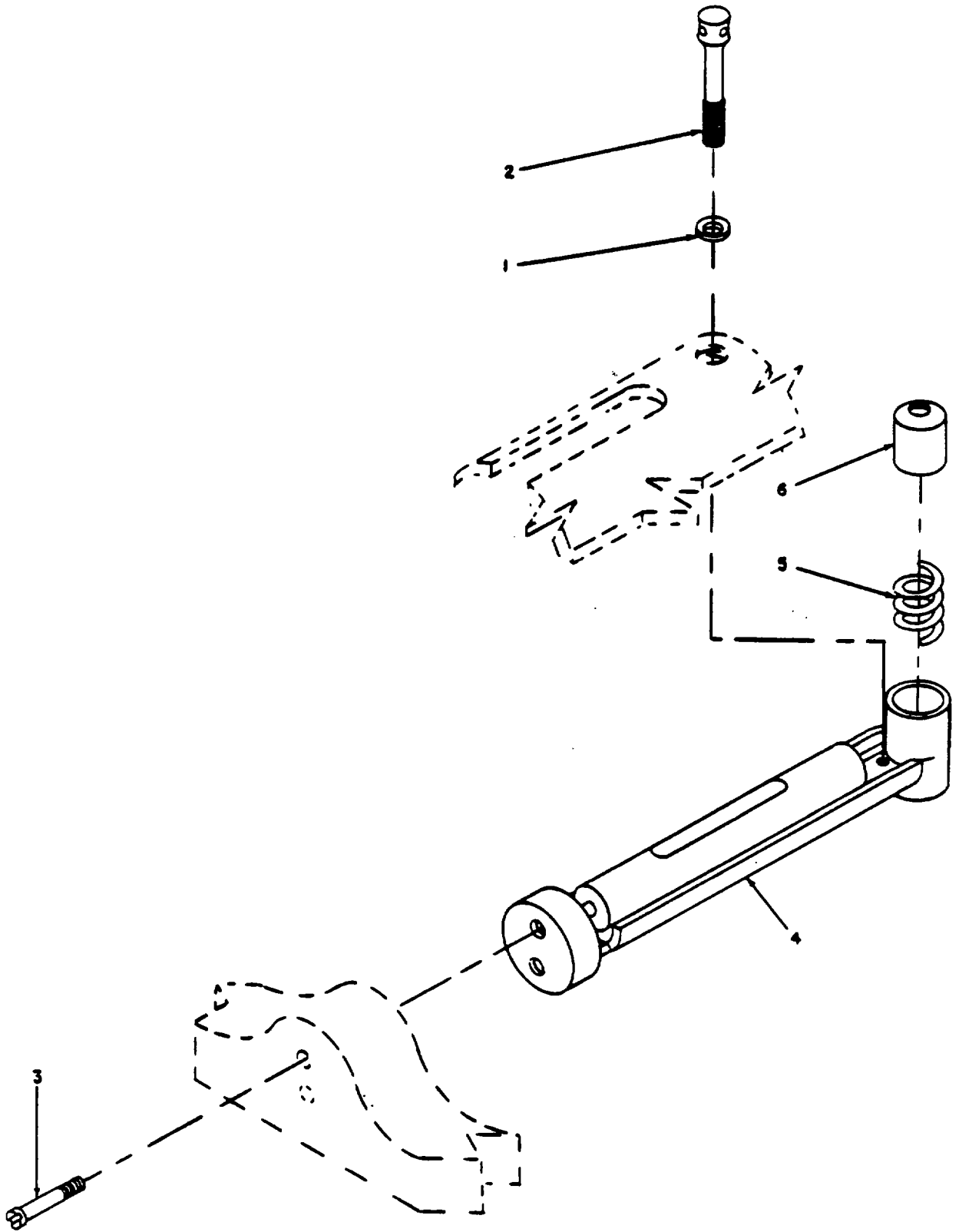
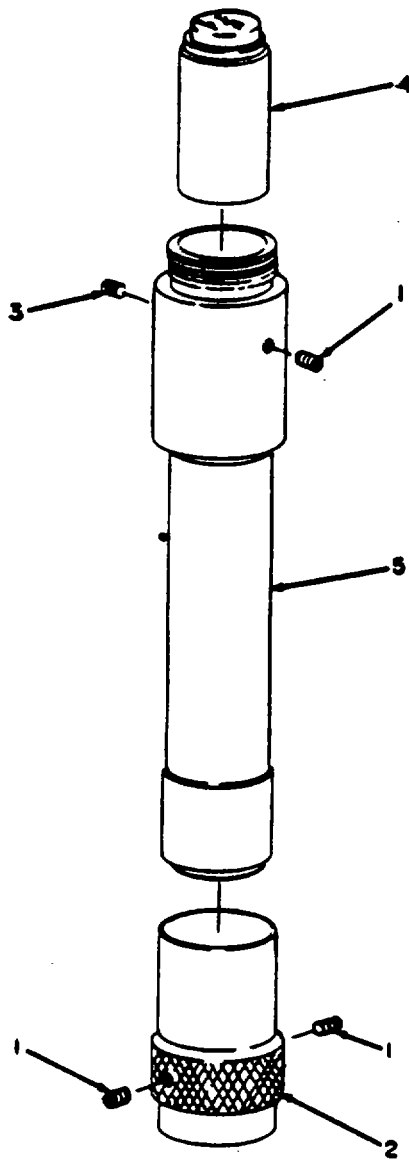


Figure 24. Plate Level Assembly
60

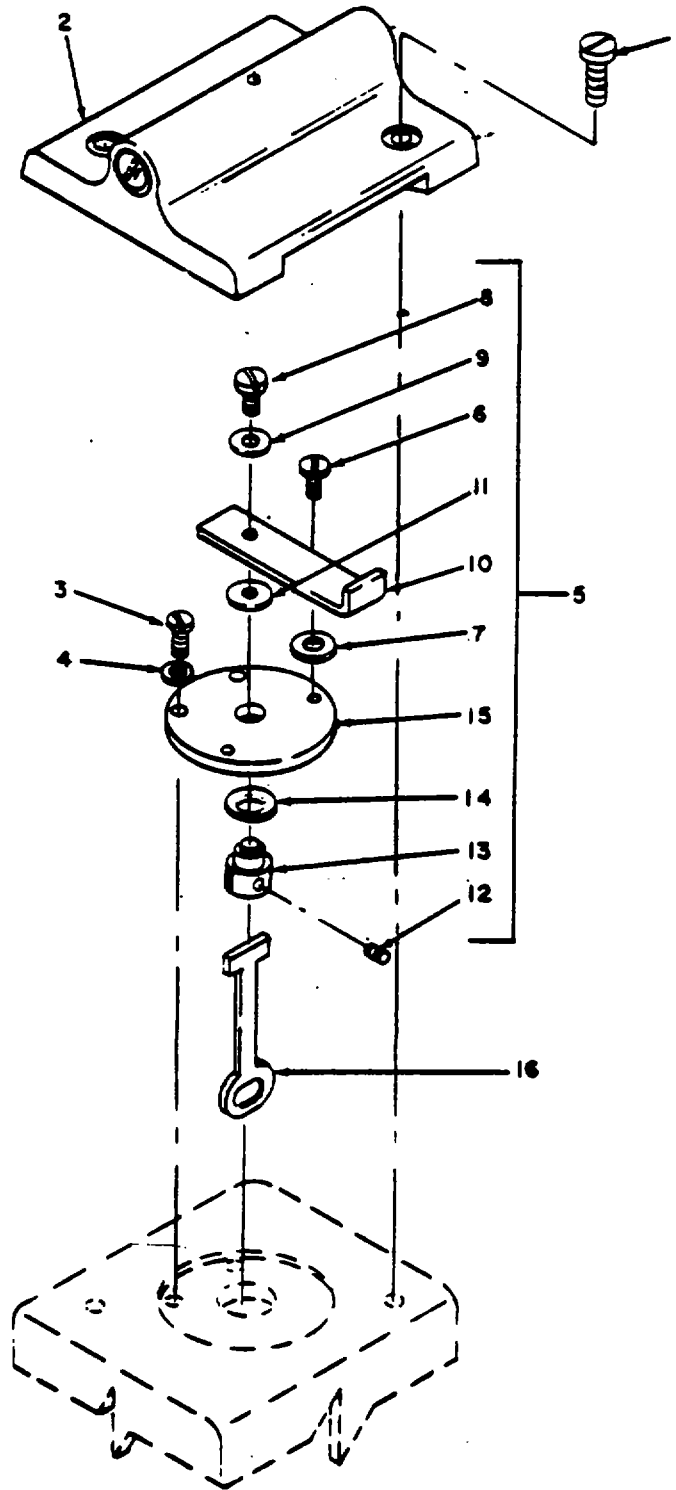
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTRATION		SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION <i>USABLE ON CODE</i>	U/M	QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.							
24	1	XBDZZ		377820	89905	.WASHER	EA	1
24	2	XBDZZ		332393	89905	.SCREW ADJUSTING.	EA	1
24	3	XBDZZ		162684	89905	.SCREW MACHINE	EA	2
24	4	XBDZZ		370449	89905	.LEVEL ASSY, PLATE ASSY PLATE	EA	1
24	5	XBDZZ		346440	89905	.SPRING	EA	1
24	6	XBDZZ		346441	89905	.HOUSING, SPRING	EA	1



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Figure 25. Reading Microscope Assembly

(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTRATION		SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION <i>USABLE ON CODE</i>	U/M	QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.							
24	1	XBDZZ	5305-01-032-7356	326249	89905	.MICROSCOPE ASSY READING	EA	1
24	2	XBDZZ		163786	89905	..SETSCREW	EA	3
24	3	XBDZZ		352925	88905	..SLEEVE, KNURLED.....	EA	1
24	4	XBDZZ		163633	89905	..OBJECTIVE ASSY, READING	EA	1
24	5	XBDZZ		353314	89905	..EYEPIECE ASSY, READING	EA	1
					63			



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Figure 26. Optical Sight, and Illumination Assemblies

(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTRATION		SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION <i>USABLE ON CODE</i>	U/M	QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.							
26	1	XBDZZ		361111	89905	.SCREW, MACHINE.....	EA	2
26	2	XBDZZ		326215	89905	.SIGHT ASSY, OPTICAL.....	EA	1
26	3	XBDZZ		162576	89905	.SCREW, MACHINE.....	EA	2
26	4	XBDZZ		224971	89905	.WASHER.....	EA	2
26	5	XBDZZ		346525	89905	.ILLUMINATION ASSY.....	EA	1
26	6	XBDZZ		162571	89905	..SCREW, MACHINE.....	EA	1
26	7	XBDZZ		356074	89905	..WASHER.....	EA	2
26	8	XBDZZ		323091	89905	..SCREW, MACHINE.....	EA	1
26	9	XBDZZ		224971	89905	..WASHER.....	EA	1
26	10	XBDZZ		328033	89905	..LEVER.....	EA	1
26	11	XBDZZ		161391	89905	..WASHER.....	EA	1
26	12	XBDZZ		163638	89905	..SETSCREW.....	EA	1
26	13	XBDZZ		328031	89905	..CARRIER, REFLECTOR.....	EA	1
26	14	XBDZZ		107330	89905	..SPRING.....	EA	1
26	15	XBDZZ		328032	89905	..PLATE.....	EA	1
26	16	XBDZZ		346524	89905	..REFLECTOR.....	EA	1

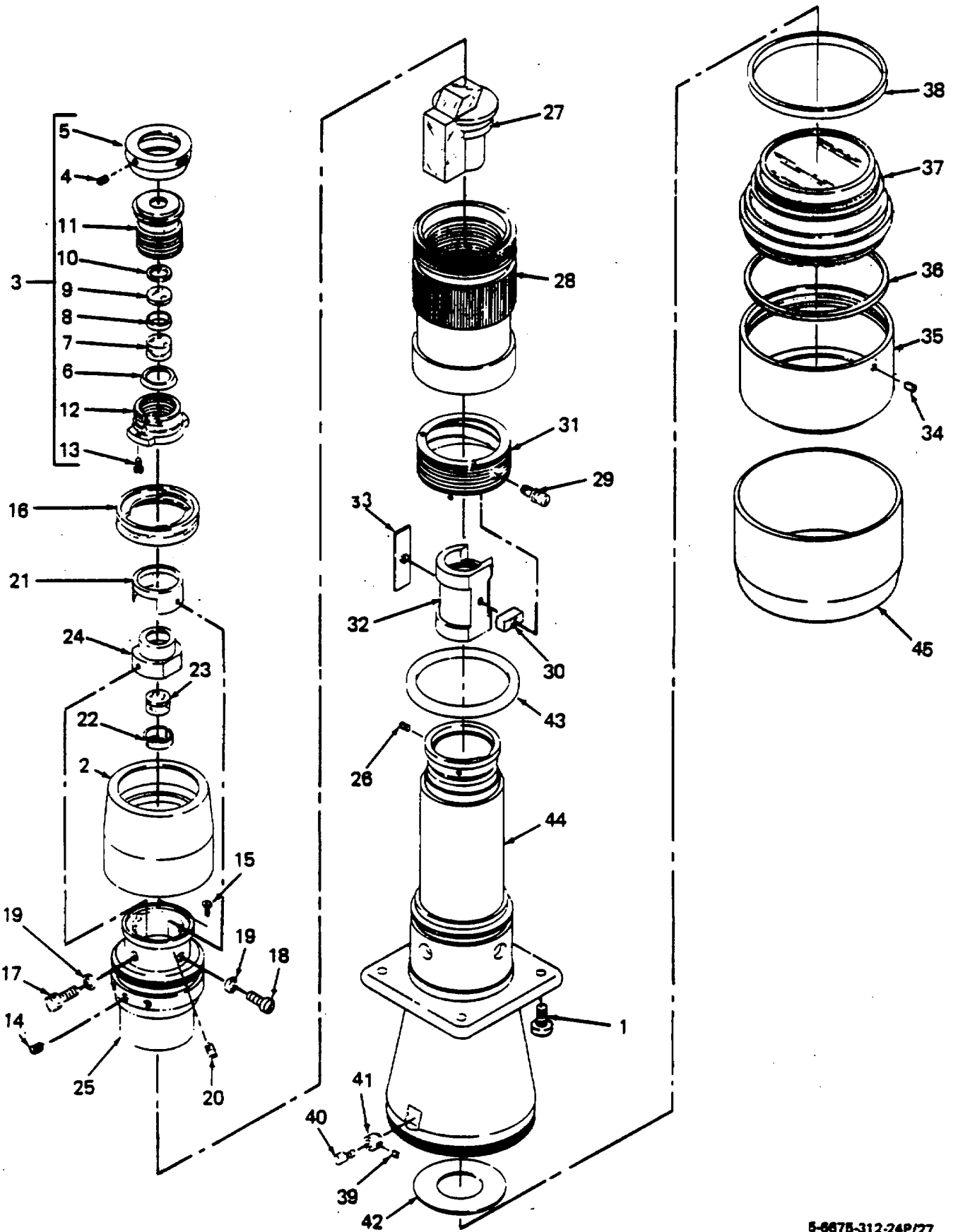
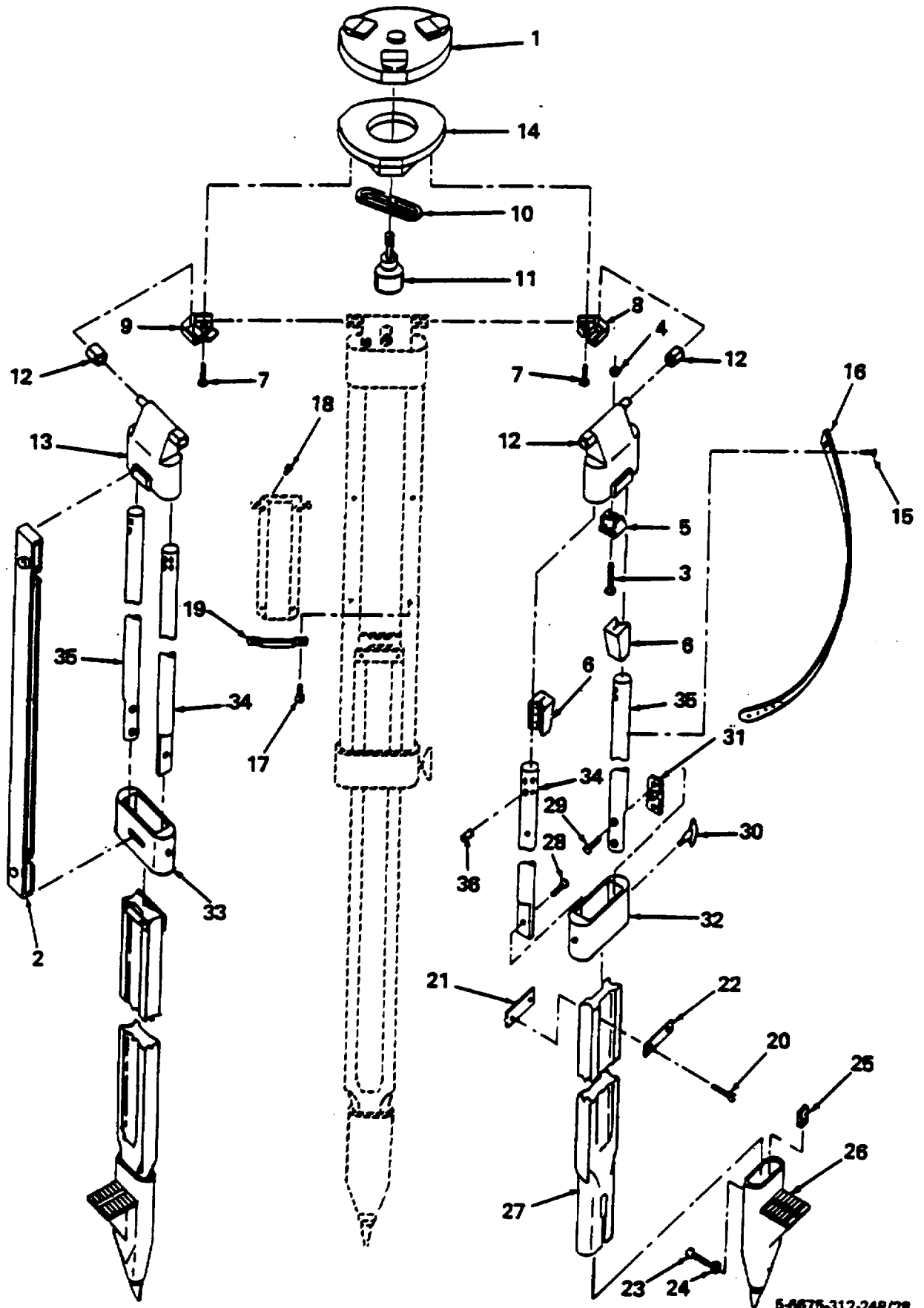


Figure 27. Telescope Assembly

(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTRATION		SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	U/M	QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.							
27	1	XBDZZ		350007	89905	SCREW, MACHINE	EA	4
27	2	XBDZZ		326257	89905	.TELESCOPE Assy	EA	1
27		XBDZZ		363878	89905	HOUSING	EA	1
27	3	XBDZZ		353331	89905	EYEPIECE ASSY. TELESCOPE	EA	1
27	4	XDBZZ	5305-00-378-9533	163788	89905	SCREW, EYEPIECE	EA	1
27	5	XBDZZ		352924	89905	RING, DICPTER	EA	1
27	6	XBDZZ		200456	89905	RING, LOCK	EA	1
27	7	XBDZZ		200459	89905	LENS, EYEPIECE	EA	1
27	8	XBDZZ		169693	89905	RING, SPACER	EA	1
27	9	XBDZZ		200460	89905	LENS, EYEPIECE	EA	1
27	10	XBDZZ		285785	89905	..GASKET	EA	1
27	11	XBDZZ		350923	89905	..MOUNT, LENS	EA	1
27	12	XBDZZ		350925	89905	..MOUNT, EYEPIECE	EA	1
27	13	XBDZZ		215142	89905	..SCREW, MACHINE	EA	1
27	14	XBDZZ		163859	89905	..SETSCREW	EA	6
27	15	XBDZZ		161642	89905	..SCREW, MACHINE	EA	7
27	16	XBDZZ		348452	89905	..LOCKRING, BAYONET	EA	1
27	17	XBDZZ		372412	89905	..SCREW, ADJUSTING	EA	2
27	18	XBDZZ		162625	89905	..SCREW, MACHINE	EA	2
27	19	XBDZZ		328023	89905	..WASHER	EA	4
27	20	XBDZZ	5305-00-378-9533	163788	89905	..SCREW, EYEPIECE	EA	2
27	21	XBDZZ		107410	89905	..BUSHING, GUIDE	EA	1
27	22	XBDZZ		119227	89905	..RING, LOCK	EA	1
27	23	XBDZZ		370453	89905	..RETICLE, TELESCOPE	EA	1
27	24	XBDZZ		107409	89905	..MOUNT, RETICLE	EA	1
27	25	XBDZZ		360053	89905	..MOUNT, EYEPIECE	EA	1
27	26	XBDZZ	5305-00-378-9539	163812	89905	..SCREW, OPTICAL	EA	3
27	27	XBDZZ		328028	89905	..PRISM ASSY, ERECTING	EA	1
27	28	XBDZZ		360052	89905	..SLEEVE, FOCUSING	EA	1
27	29	XBDZZ		370405	89905	..SCREW	EA	1
27	30	XBDZZ		328020	89905	..GUIDE	EA	1
27	31	XBDZZ		366585	89905	..RING, THREADED	EA	1
27	32	XBDZZ		301823	89905	..LENS ASSY, FOCUSING	EA	1
27	33	XBDZZ		301811	89905	..SPRING	EA	1
27	34	XBDZZ		170550	89905	..SETSCREW	EA	1
27	35	XBDZZ		328011	89905	..HOUSING, OBJECTIVE	EA	1
27	36	XBDZZ		373003	89905	..GASKET	EA	1
27	37	XBDZZ		328004	89905	..OBJECTIVE ASSY	EA	1

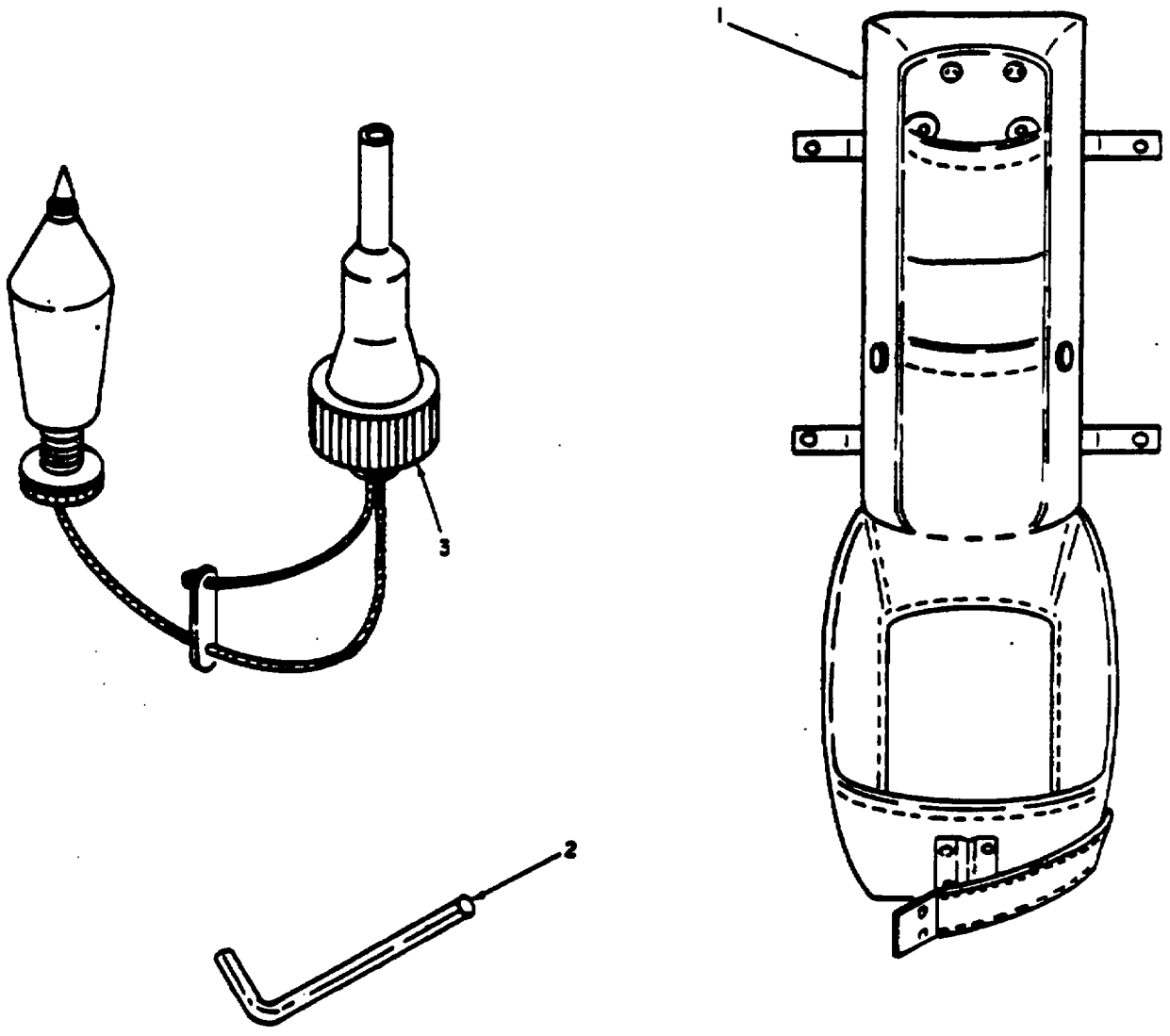
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTRATION		SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION <i>USABLE ON CODE</i>	U/M	QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.							
27	38	XBDZZ		301809	89905	..RING, DISTANCE.....	EA	1
27	39	XBDZZ		358361	89905	..SETSCREW	EA	2
27	40	XBDZZ		346514	89905	..SIGHT, FRONT	EA	1
27	41	XBDZZ		346452	89905	..MOUNT, FRONT SIGHT	EA	1
27	42	XBDZZ		301810	89905	..DIAPHRAGM	EA	1
27	43	XBDZZ		236670	89905	..O-RING	EA	1
27	44	XBDZZ		358262	89905	..TUBE, TELESCOPE	EA	1
27	45	PAOZZ	6675-01-092-4740	356106	89905	..CAP, PROTECTIVE, DUST	EA	1
					68			



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Figure 28. Tripod Assembly
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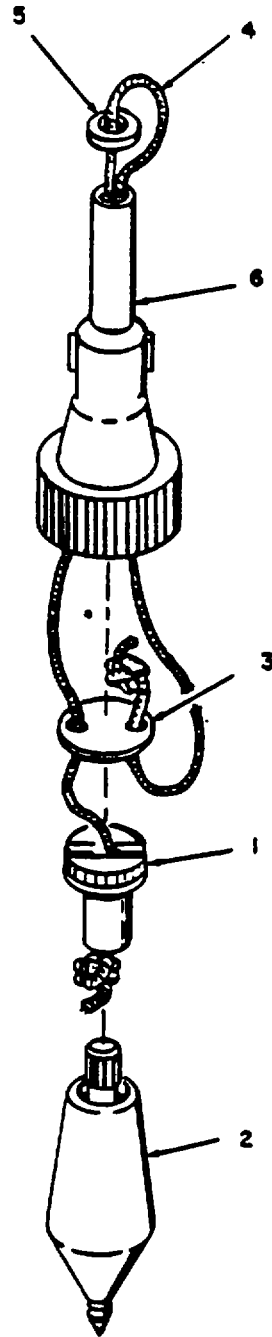
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	
ILLUSTRATION		SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	U/M	QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.								
28		PAOFF	6675-00-641-3572	GST21	89905	..TRIPOD GST20-1.....		EA	1
28	1	XBFZZ		319062	89905	.COVER, PLASTIC.....		EA	1
28	2	XBFZZ	6675-01-025-5899	315010	89905	.STRAP, CARRYING.....		EA	1
28	3	XBFZZ		208818	89905	.SCREW, MACHINE.....		EA	3
28	4	XBFZZ		312946	89905	.NUT.....		EA	
28	5	XBFZZ		271993	89905	.WEDGE.....		EA	
28	6	XBFZZ		350956	89905	.WEDGE, PRESSURE.....		EA	6
28	7	XBFZZ		235978	89905	.SCREW, MACHINE.....		EA	3
28	8	XBFZZ		319014	89905	.JAW, CLAMP.....		EA	2
28	9	XBFZZ		319016	89905	.JAW, CLAMP.....		EA	1
28	10	XBFZZ		377796	89905	.BRIDGE.....		EA	1
28	11	PAFZZ	6675-01-092-5715	319019	89905	.ADJUSTMENT SCREW.....		EA	1
28	12	XBFZZ		271990	89905	.BEARING.....		EA	6
28	13	XBFZZ		319035	89905	.HOLDER, LEG.....		EA	3
28	14	XBFZZ		377762	89905	.PLATE, HEAD.....		EA	1
28	15	XBFZZ		346286	89905	.SCREW, WOOD.....		EA	2
28	16	XBFZZ		112537	89905	.STRAP, LEATHER.....		EA	1
28	17	XBFZZ		346285	89905	.SCREW, WOOD.....		EA	4
28	18	XBFZZ		161337	89905	.RIVET.....		EA	4
28	19	XBFZZ		284791	89905	.BRACKET.....		EA	2
28	20	XBFZZ		383868	89905	.SCREW, MACHINE.....		EA	6
28	21	XBFZZ		319023	89905	.PLATE, STOP.....		EA	3
28	22	XBFZZ		319025	89905	.PLATE, STOP.....		EA	3
28	23	XBFZZ		235978	89905	.SCREW, MACHINE.....		EA	3
28	24	XBFZZ		323373	89905	.WASHER, FLAT.....		EA	3
28	25	XBFZZ		272091	89905	.NUT.....		EA	3
28	26	XBFZZ		319087	89905	.SHOE, TRIPOD.....		EA	3
28	27	XBFZZ		319047	89905	.LEG, LOWER.....		EA	3
28	28	XBFZZ		235976	89905	.SCREW, MACHINE.....		EA	3
28	29	XBFZZ		265535	89905	.SCREW, MACHINE.....		EA	6
28	30	XBFZZ		323172	89905	.SCREW, WING.....		EA	3
28	31	XBFZZ		169625	89905	.PLATE, CLAMP.....		EA	3
28	32	XBFZZ		319028	89905	.BAND, CLAMP.....		EA	2
28	33	XBFZZ		319031	89905	.BAND, CLAMP.....		EA	1
28	34	XBFZZ		319040	89905	.DOWEL, WOOD.....		EA	3
28	35	XBFZZ		319042	89905	.DOWEL, WOOD.....		EA	3
28	36	XBFZZ		364657	89905	.PIN, CYLINDRICAL.....		EA	24



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Figure 29. Tripod Accessory Case

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION <i>USABLE ON CODE</i>	U/M	QTY INC IN UNIT
29	1	XBFZZ	5120-01-011-8393	319164	89905	.CASE, ACCESSORY	EA	1
29	2	XBFZZ	5210-01-031-9185	166494	89905	.WRENCH.....	EA	1
29	3	PAOFF	5210-01-031-9185	319010	89905	.PLUMBOB	EA	1
					73			



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Figure 30. Plumbbob Assembly

(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTRATION		SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION <i>USABLE ON CODE</i>	U/M	QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.							
30	1	XBFZZ		296670	89905	..NUT, KNURLED	EA	1
30	2	XBFZZ		296672	89905	..PLUMBOB.....	EA	1
30	3	XBFZZ		352916	89905	..SLIDE, ADAPTER	EA	1
30	4	XBFZZ		269587	89905	..STRING, 2.3M	FT	1
30	5	XBFZZ		352825	89905	..SOCKET, BAYONET	EA	1
					75			

SECTION IV

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5905-00-118-4625	3	16	6675-00-014-3518	5	7
6240-00-120-0140	10	7	5305-01-015-6507	3	6
5120-00-180-0705	5	5	5305-01-016-9309	3	5
6675-00-353-4103	2	19	6675-01-025-5899	28	2
6675-00-353-4103	5	2	6135-01-026-8168	3	26
6675-00-378-9413	12	16	5210-01-031-9185	29	3
5305-00-378-9533	27	4	5305-01-032-7350	21	1
5305-00-378-9533	27	20	5305-01-012-7356	23	28
5305-00-378-9539	12	5	5305-01-032-7356	25	1
5305-00-378-9539	11	57	5305-01-032-7357	17	9
5305-00-378-9539	16	21	5305-01-032-7357	20	35
5305-00-378-9539	17	3	6650-01-091-4156	9	2
5305-00-378-9539	22	52	6650-01-092-0017	10	2
5305-00-378-9539	22	57	6675-01-092-4102	12	
5305-00-378-9539	23	4	6675-01-092-4513	5	1
5305-00-378-9539	27	26	6675-01-092-4514	11	
6675-00-446-1762	5	6	6675-01-092-4515	13	1
6675-00-641-3572	28		6675-01-092-4516	14	9
6240-00-859-5936	3	1	6675-01-092-4740	27	45
6240-00-859-5936	7	2	6675-01-092-4752	6	
6240-00-859-5936	8	5	6675-01-092-4756	3	
6675-00-862-2584	21	20	6675-01-092-5714	12	10
8330-01-010-9402	5	4	6675-01-092-5715	28	11
5120-01-011-8393	29	2	5330-01-092-6085	2	25
7920-01-011-8517	5	3	6230-01-092-6655	10	3

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
GST21	89905	28		129124	89905	12	16
101584	89905	7	15	129757	89905	12	13
101615	89905	7	1	129758	89905	12	14
105392	89905	7	9	135755	89905	11	6
107164	89905	14	18	135756	89905	11	5
107198	89905	15	10	135758	89905	11	4
107337	89905	8	1	135758	89905	11	4
107337	89905	26	11	135759	89905	11	3
107409	89905	27	24	136154	89905	20	14
170410	89905	27	21	153319	89905	14	31
108140	89905	7	12	161021	89905	15	9
108637	89905	7	16	161024	89905	15	13
109334	89905	2	19	161321	89905	2	30
109334	89905	5	2	161321	89905	19	4
109335	89905	5	3	161337	89905	28	18
112298	89905	7	7	161391	89905	26	11
112537	89905	28	16	161642	89905	27	15
119227	89905	27	22	161780	89905	14	32
122284	89905	3	4	161861	89905	12	9
122326	89905	10	6	162080	89905	12	15
122334	89905	3	10	162163	89905	11	37
122335	89905	3	2	162187	89905	11	23
122336	89905	3	28	162264	89905	21	27
122337	89905	3	26	162437	89905	14	29
122344	89905	3	12	162554	89905	21	27
122345	89905	3	9	162571	89905	11	52
123285	89905	11	22	162571	89905	22	15
123286	89905	11	44	162571	89905	26	17
123287	89905	43	16	162576	89905	18	11
123289	89905	11	46	162576	89905	18	16
123292	89905	3	12	162576	89905	20	2
123294	89905	11	9	162571	89905	20	17
123289	89905	11	15	162571	89905	22	24
123289	89905	11	10	162571	89905	26	22
123292	89905	11	11	162576	89905	22	11
123302	89905	11	46	162576	89905	18	16
123230	89905	11	48	162576	89905	20	2
123293	89905	11	47	162576	89905	20	17
123312	89905	11	15	162576	89905	20	24
123315	89905	11	10	162625	89905	2	12
123316	89905	11	16	162621	89905	22	16
123317	89905	11	51	162624	89905	27	18
123322	39905	11	29	162634	89905	20	27
123338	89905	11	36	162636	89905	18	7
123339	89905	11	38	162681	89905	22	6
123340	89905	11	35	162684	89905	24	3
124724	89905	3	25	162690	89905	16	41
				162690	89905	20	16
				162694	89905	2	22

SECTION NUMBER	IV FSCM	NATIONAL STOCK NUMBER AND PART NUMBER INDEX		PART NUMBER	FIG. FSCM	ITEM NO.	NO.
		NO.	NO.				
162702	89905	20	8				
162873	89905	12	11				
162910	89905	11	49	182655	89905	16	18
162932	89905	11	1	182655	89905	23	20
162940	89905	11	55	182673	89905	16	30
163424	89905	21	6	183513	89905	20	1
163501	89905	18	12	184772	89905	10	5
163501	89905	22	3	188790	89905	3	21
163501	89905	22	16	189189	89905	3	22
163565	89905	8	9	193179	89905	7	11
163633	89905	25	3	193179	89905	8	17
163638	89905	26	12	193179	89905	10	4
163650	89905	20	28	193248	89905	3	24
183654	89905	17	9	193807	89905	8	16
163654	89905	20	35	196329	89905	7	8
163660	89905	21	20	197872	89905	2	27
163662	89905	22	30	198386	89905	3	18
163670	89905	11	14	198387	89905	3	8
163681	89905	16	2	198388	89905	3	27
163786	89905	23	28	198389	89905	3	6
163786	89905	25	1	198390	89905	3	5
163788	89905	27	4	199898	89905	10	3
163788	89905	27	20	199899	89905	10	2
163807	89905	12	5	200456	89905	27	6
163809	89905	19	7	200459	89905	27	7
163810	89905	2	1	200460	89905	27	9
163812	89905	11	57	200539	89905	2	28
163812	89905	16	21	202573	89905	4	1
163812	89905	17	3	208818	89905	28	3
163812	89905	22	52	212131	89905	22	13
163812	89905	22	57	212159	89905	11	50
163812	89905	23	4	212163	89905	3	23
163812	89905	27	26	212167	89905	3	13
163816	89905	11	40	212176	89905	15	16
163816	89905	15	7	212340	89905	11	41
163838	89905	22	27	212703	89905	22	25
163859	89905	27	14	214372	89905	20	29
163870	89905	22	43	214372	89905	21	26
166370	89905	3	1	214456	89905	14	3
166370	89905	7	2	214584	89905	14	10
166370	89905	8	5	215103	89905	7	5
166467	89905	10	7	215105	89905	7	17
166494	89905	29	2	215142	89905	27	13
166684	89905	5	4	224971	89905	21	23
166786	89905	5	5	224971	89905	26	4
166794	89905	2	18	224971	89905	26	9
166954	89905	14	5	224975	89905	21	9
167003	89905	16	39	224977	89905	23	32
167226	89905	5	6	227235	89905	2	4
167456	89905	3	20	235976	89905	28	28
169625	89905	28	31	235978	89905	28	7
169693	89905	27	8	235978	89905	28	23
169868	89905	22	44	236246	89905	14	26
170078	89905	15	8	236670	89905	27	43
170146	89905	12	6	243148	89905	12	4
170550	89905	27	34	244968	89905	21	14
170920	89905	3	3	247837	89905	7	3
171246	89905	11	42	258735	89905	22	29
171315	89905	12	2	258785	89905	27	10
174466	89905	16	44	264305	89905	11	13
174479	89905	20	37	264306	89905	11	8
174496	89905	20	30	264307	89905	11	39
174499	89905	18	3	264312	89905	11	34
174501	89905	18	6	265535	89905	28	29
174515	89905	18	4	265582	89905	8	12
174517	89905	18	1	269587	89905	30	4
174649	89905	16	46	270336	89905	11	65
174650	89905	16	46	271990	89905	28	12
174653	89905	22	2	271993	89905	28	5
174655	89905	22	2	272091	89905	28	25
175190	89905	10		284791	89905	28	19
175314	89905	11	12	296630	89905	30	6
175356	89905	2	20	296670	89905	30	1
175356	89905	14	20	296672	89905	30	2
175371	89905	21	25	296949	89905	22	1
175380	89905	11	17	296953	89905	16	6
176032	89905	7	6	296953	89905	20	13
176045	89905	7	13	301709	89905	21	18
176063	89905	3	19	301710	89905	20	34
177675	89905	14	28	301711	89905	18	9
182638	89905	16	15	301711	89905	22	23
182638	89905	23	17	301728	89905	11	58

SECTION IV PART NUMBER	NATIONAL STOCK NUMBER AND PART NUMBER INDEX			FIG. NUMBER	ITEM FSCM	NO.	FIG. NUMBER	ITEM FSCM	NO.
	FIG. FSCM	ITEM NO.	PART NO.						
301728	89905	22	54	319042	89905	28	319042	89905	35
301731	89905	22	32	319047	89905	28	319047	89905	27
301738	89905	11	59	319062	89905	28	319062	89905	1
301738	89905	22	53	319087	89905	28	319087	89905	26
301746	89905	22	9	319184	89905	29	319184	89905	1
301751	89905	18	14	319625	89905	11	319625	89905	27
301752	89905	16	4	319688	89905	11	319688	89905	30
301755	89905	17	11	322860	89905	21	322860	89905	24
301758	89905	19	11	323091	89s05	26	323091	89s05	8
301759	89905	19	17	323172	89905	28	323172	89905	30
301780	89905	22	39	323373	89905	28	323373	89905	24
301798	89905	21	10	325797	89905	21	325797	89905	13
301809	89905	27	38	325798	89905	21	325798	89905	11
301810	89905	27	42	326215	89905	26	326215	89905	2
301811	89905	27	33	326249	89905	25	326249	89905	
301823	89905	27	32	326251	89905	19	326251	89905	8
301829	89905	21	2	326253	89905	17	326253	89905	2
301648	89905	22	17	326256	89905	16	326256	89905	10
301850	89905	22	18	326257	89905	27	326257	89905	
301854	89905	22	20	326260	89905	23	326260	89905	12
301865	89905	22	21	326262	89905	15	326262	89905	2
301856	89905	18	13	326887	89905	25	326887	89905	4
301857	89905	18	15	326890	89905	17	326890	89905	4
301693	89905	22	35	326896	89905	17	326896	89905	12
301897	89905	22	31	328004	89905	27	328004	89905	37
305002	89905	21	8	328011	89905	27	328011	89905	35
305070	89905	14	15	328020	89905	27	328020	89905	30
305071	89905	14	14	328023	89905	27	328023	89905	19
305078	89905	14	33	328028	89905	27	328028	89905	27
307399	89905	11	31	328031	89905	26	328031	89905	13
308519	89905	7	4	328032	89905	26	328032	89905	15
308525	89905	16	29	328033	89905	26	328033	89905	10
308525	89905	23	27	328054	89905	20	328054	89905	33
308528	89905	11	26	328055	89905	20	328055	89905	21
308532	89905	11	32	328056	89905	20	328056	89905	23
308534	89905	11	32	328057	89905	20	328057	89905	25
308537	89905	20	12	328059	89905	19	328059	89905	18
308574	89905	3		328442	89905	16	328442	89905	28
310406	89905	11	21	328510	89905	23	328510	89905	8
310407	89905	11	7	328559	89905	19	328559	89905	5
310408	89905	11	54	328570	89905	14	328570	89905	23
310400	89905	11	53	328571	89905	14	328571	89905	21
310410	89905	11	24	329903	89905	3	329903	89905	16
310435	89906	11	18	332245	89905	14	332245	89905	27
310439	89905	3	7	332247	89905	16	332247	89905	13
310440	89905	11	2	332248	89905	23	332248	89905	15
310488	89905	12	18	332348	89905	22	332348	89905	41
310489	89905	12	12	332393	89905	24	332393	89905	2
310491	89905	12	17	333046	89905	21	333046	89905	3
310494	89905	12	8	333320	89905	19	333320	89905	3
311104	89905	12	3	333320	89905	20	333320	89905	26
311718	89905	3	29	333357	89905	3	333357	89905	14
311846	89905	5	7	335293	89905	16	335293	89905	38
311900	89905	16	22	335506	89905	14	335506	89905	24
311900	89905	23	5	335568	89905	21	335568	89905	21
311904	89905	22	4	336626	89905	21	336626	89905	4
311905	89905	19	14	336627	89905	21	336627	89905	5
311905	89905	22	5	336700	89905	19	336700	89905	19
311916	89905	16	9	336700	89905	23	336700	89905	6
311916	89905	23	11	341787	89905	14	341787	89905	1
311932	89905	20	32	341788	89905	14	341788	89905	4
311934	89905	20	36	341790	89905	14	341790	89905	12
311952	89905	21	7	341791	89905	14	341791	89905	19
311958	89905	15	17	341794	89905	16	341794	89905	24
312946	09905	28	4	341810	89905	17	341810	89905	5
312958	89905	22	47	341822	89905	16	341822	89905	25
312959	89905	22	48	341828	89905	16	341828	89905	32
312977	89905	16	26	341829	89905	16	341829	89905	
312992	89905	12	10	341839	89905	16	341839	89905	42
315010	89905	28	2	341840	89905	16	341840	89905	43
319010	89905	29	3	341841	89905	18	341841	89905	17
319014	89905	28	8	341842	89905	22	341842	89905	22
319016	89905	28	9	341843	89905	22	341843	89905	24
319019	89005	28	11	341845	89905	18	341845	89905	10
319023	89905	28	21	341867	89905	22	341867	89905	34
319025	89905	28	22	341868	89905	22	341868	89905	33
319028	89905	28	32	341869	89905	23	341869	89905	23
319031	89905	28	33	341874	89905	18	341874	89905	5
311835	69905	28	13	341878	89905	22	341878	89905	11
319040	89905	28	34	341879	89905	16	341879	89905	5

SECTION PART NUMBER	INTERNATIONAL STOCK NUMBER AND PART NUMBER INDEX FIG. ITEM PART FSCM NO. NO.	353318 FIG. NUMBER	89905 ITEM FSCM	20 NO.	20 NO.
341880	89905 16 3	353320	89905	23	24
341881	89905 22 8	353321	89905	22	26
341882	89905 22 10	353322	89905	22	28
341885	89905 23 25	353324	89905	22	7
341886	89905 23 30	353327	89905	22	14
341887	89905 23 26	353329	89905	20	4
341888	89905 23 31	353337	89905	27	3
341889	89905 23 33	353458	89905	11	56
341890	89905 16 27	353600	89905	12	
341890	89905 23 34	355360	89905	20	19
341894	89905 16 33	356051	89905	2	15
341896	89905 16 23	356052	89905	2	13
341898	89905 16 37	356053	89905	2	12
344315	89905 2 17	356054	89905	2	2
344381	89905 11 62	356055	89905	2	3
344381	89905 22 58	356056	89905	2	6
344392	89905 22 59	356057	89905	20	39
346277	89905 19 1	356063	89905	2	29
346285	89905 28 17	356065	89905	23	29
346286	89905 28 15	356087	89905	2	23
346410	89905 15 14	356068	89905	2	24
346411	89905 15 15	356073	89905	19	10
346413	89905 15 6	356074	89905	26	7
346415	89905 15 12	356083	89905	20	5
346416	89905 15 4	356085	89905	2	25
346417	89905 15 5	356091	89905	2	35
346418	89905 15 11	356094	89905	2	36
346434	89905 14 11	356095	89905	2	33
346440	89905 24 5	356097	89905	2	34
346441	89905 24 6	356099	89905	2	31
346444	89905 21 12	356106	89905	27	45
346445	89905 14 34	358240	89905	19	12
346452	89905 27 41	358242	89905	19	13
346496	89905 23 35	358246	89905	16	7
346514	89905 27 40	358248	89905	23	9
346524	89905 26 16	358252	89905	19	20
346525	89905 26 5	358258	89905	15	19
346537	89905 19 15	358260	89905	23	7
346541	89905 21 19	358262	89905	27	44
346542	89905 21 17	358282	89905	2	11
346544	89905 21 16	358293	89905	6	
346545	89905 21 15	358296	89905	16	8
346574	89905 17 7	358321	89905	15	1
347793	89905 19 9	358361	89905	27	39
347794	89905 20 22	358800	89905	14	30
347796	89905 17 1	358809	89905	14	22
347797	89905 16 45	359619	89905	11	25
348441	89905 16 19	360033	89905	19	6
348441	89905 23 21	360035	89905	21	8
348452	89905 27 16	360037	89905	11	61
348472	89905 20 11	360037	89905	22	56
348474	89905 20 38	360052	89905	27	28
348476	89905 20 3	360053	89905	27	25
349532	89905 10 9	360065	89905	8	2
349533	89905 10 8	360071	89905	8	3
350007	89905 27 1	360072	89905	8	1
350011	89905 14 35	360541	89905	14	7
350011	89905 23 2	361111	89905	12	1
350012	89905 22 46	361111	89905	26	1
350014	89905 22 45	381538	89905	11	64
350015	89905 23 1	361538	89905	11	33
350923	89905 27 11	362411	89905	22	50
350925	89905 27 12	382438	89905	22	38
350956	89905 28 6	362616	89905	2	7
351091	89905 20 11	363825	89905	12	7
351124	89905 20 6	363861	89905	11	63
352825	89905 30 5	363878	89905	27	2
352916	89905 30 3	363892	89905	11	66
352920	89905 21 28	363916	89905	17	8
352924	89905 27 5	363918	89905	22	37
352925	89905 25 2	363924	89905	14	is
352974	89905 2 26	363925	89905	14	36
353183	89905 14 6	383927	89905	14	8
353306	89905 17 6	363930	89905	14	17
353307	89905 17 10	364657	89905	28	36
353309	89905 16 36	366287	89905	14	13
353312	89905 19 16	366500	89905	16	17
353313	89905 19 2	366500	89905	23	19
353314	89905 25 5				
353315	89905 18 8				

SECTION INTERNATIONAL STOCK NUMBER AND PART NUMBER INDEX

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
386585	89905	27	31	373042	89905	20	7
366599	89905	23	10	373050	89905	2	9
368517	89905	2	32	373054	89905	2	21
369332	89905	11	60	373074	89905	20	18
369332	89905	22	55	373089	89905	8	4
389364	89905	7		373090	89905	8	15
369365	89905	8		373091	89905	8	13
369381	89905	16	16	373092	89905	8	10
369381	89905	23	18	373096	89905	8	7
369386	89905	18	2	373098	89905	16	14
370405	89905	27	29	373098	89905	23	16
370439	89905	2	37	373743	89905	20	15
374149	89905	24	4	375291	89905	8	14
370450	89905	14	2	376222	89905	9	1
370453	89905	27	23	376263	89905	2	
370472	09905	9	2	377792	89905	28	14
370480	89905	1	1	377796	89905	28	10
371295	89905	2	5	377820	89905	24	1
371295	89905	2	10	377830	89905	16	1
372412	89905	27	17	377830	89905	22	49
372415	89905	16	31	377846	89905	7	14
372442	89905	8	6	377863	89905	2	14
372446	89905	14	25	377865	89905	16	11
372506	89905	23	3	377865	89905	23	13
372534	89905	20	15	377866	89905	23	14
372687	89905	14	9	381122	89905	11	
372680	89905	13	1	381124	89905	11	
372708	89905	22	51	381151	89905	22	40
373003	89905	27	36	381154	89905	22	42
373028	89905	16	20	381167	89905	5	1
373028	89905	23	22	381622	89905	20	9
373034	89905	2	8	383868	89905	28	20
				800206	89905	7	10

NATIONAL STOCK NUMBER AND PART NUMBER SUPPLEMENTAL INDEX

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
667540023-5052	4	1	6675-01-092-5715	7	
5120-00-228739	2	18			

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
1							
62570	89905	20	31	351123	89905	20	41
162579	89905	15	18	377866	89905	16	12
162681	89905	20	40				

By Order of the Secretary of the Army:

E. C. MEYER
General, United States Army
The Adjutant General

Official:


J. C. PENNINGTON
Major General, United States Army
The Adjutant General

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				DATE SENT	
PUBLICATION NUMBER			PUBLICATION DATE		PUBLICATION TITLE
BE EXACT PIN-POINT WHERE IT IS				IN THIS SPACE, TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT.	
PAGE NO.	PARA-GRAPH	FIGURE NO.	TABLE NO.		
PRINTED NAME, GRADE OR TITLE AND TELEPHONE NUMBER				SIGN HERE	

DA FORM 1 JUL 79 **2028-2**

PREVIOUS EDITIONS ARE OBSOLETE.

P.S.--IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.

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

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
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PIN: 046666-001