

TECHNICAL MANUAL

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

THEODOLITE, DIRECTIONAL;
0.002 MIL GRADUATION,
5.9 IN. LG. TELESCOPE: DETACHABLE TRIBRACH
W/ACCESSORIES AND TRIPOD
(WILD HEERBRUGG MODEL T2-68 MIL,
NSN 6675-00-089-8885;
THEODOLITE (REFERENCE) MODEL T2-68 MIL,
NSN 6675-00-988-5225)

This manual supersedes TM 5-6676-296-35P, 7 October 1969, and TM 5-6675-296-20P, 10 October 1969.

HEADQUARTERS, DEPARTMENT OF THE ARMY

11 JULY 1980

CHANGE }
 No 1 }

HEADQUARTERS
 DEPARTMENT OF THE ARMY
 WASHINGTON, D. C. , 20 July 1987

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TM 5-6675-296-24P, 11 July 1980, is changed as follows:

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i and ii
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i and ii
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Chief of Staff

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 NO. 5-6675-296-24P

HEADQUARTERS
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 WASHINGTON, D.C. 11 July 1980

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 NSN 6675-00-988-5225)**

Current as of 15 April 1980

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

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

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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, depot maintenance of the Theodolite, Directional. 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 ascending 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 alphabetic sequence of all 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 Columns.

a. *Illustration.* This column is divided as follows:

(1) *Figure Number.* Indicates the figure number of the illustration in 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 overhaul 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 anticipated or known usage.
PB	Item procured and stocked for insurance purposes 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 probable 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 a 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 kit.

Code	Definition
MO	Item to be manufactured or fabricated at the organizational 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 support maintenance level.
AO	Item to be assembled at organizational level.
AF	Item to be assembled at the 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 sheet, field service drawing, that is identified by manufacturer's part number.
XD	A support item that is not stocked. When required, item will be procured through normal supply channels.

NOTE

Cannibalization or salvage maybe used as a source of supply for any items source coded above except those coded XA and XD.

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

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

Code	Definition
C	Crew or operator maintenance performed within organizational maintenance.
O	Support item is removed, replaced, used at the organizational level.
I	Support item is removed, replaced, used by the direct support element of integrated direct support maintenance.
F	Support item is removed, replaced, used at the direct support level.
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.

NOTE

Codes "I" and "F" will be considered the same by direct support units.

(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:

Code	Application/Explanation
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 designated 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:

Recoverability

Code	Definition
Z	Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.
O	Reparable item. When uneconomically repairable, condemn and dispose at organizational level.
F	Reparable item. When uneconomically repairable, condemn and dispose at the direct support level.
H	Reparable item. When uneconomically repairable, 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 depotspecialized 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 will be used for requisitioning purposes.

d. Part Number. Indicates the primary number used by the manufacturer 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.

NOTES

When a stock numbered item is requisitioned, the repair part 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. 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.

a. Usable on codes are shown in the description column. Uncoded items are applicable to all models.

Code	Used On
CRR	Model T2-68 MIL
CRS	Model T2-68 MIL

b. Repair parts kits and gasket sets appear as the last entries in the repair parts listing for the figure in which its parts are listed as repair parts are listed at the end of the repair parts listings for the last figure containing parts of the kit.

c. The following publication pertains to Theodolite, Directional and its components:

TM 5-6675-296-14	Operator's, Organizational, DS and GS Maintenance Manual
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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 within which the repair part belongs. This is necessary since illustrations are prepared for functional groups, and listings are divided into the same groups.

(2) **Second.** Find the illustration covering the functional group to which the repair part 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 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 ascending alphanumeric 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.

6. Abbreviations.

<i>Abbreviations</i>	<i>Explanation</i>
AC	Alternating Current
ASSY	Assembly
CONT	Control
CYL	Cylinder
EA	Each
ELECT	Electrical
EVAP	Evaporator
FT	Feet/Foot
HEX	Hexagon
IDENT	Identification
INSTRUCT	Instructions
L	Left
LH	Left Hand
OSE	Opposite Shaft End
PLT	Plate
PRES	Pressure
QD	Quick Disconnect
R	Right
REF	Reference
REFRIG	Refrigeration
RH	Right Hand
SE	Shaft End
TB	Tube
TEMP	Temperature

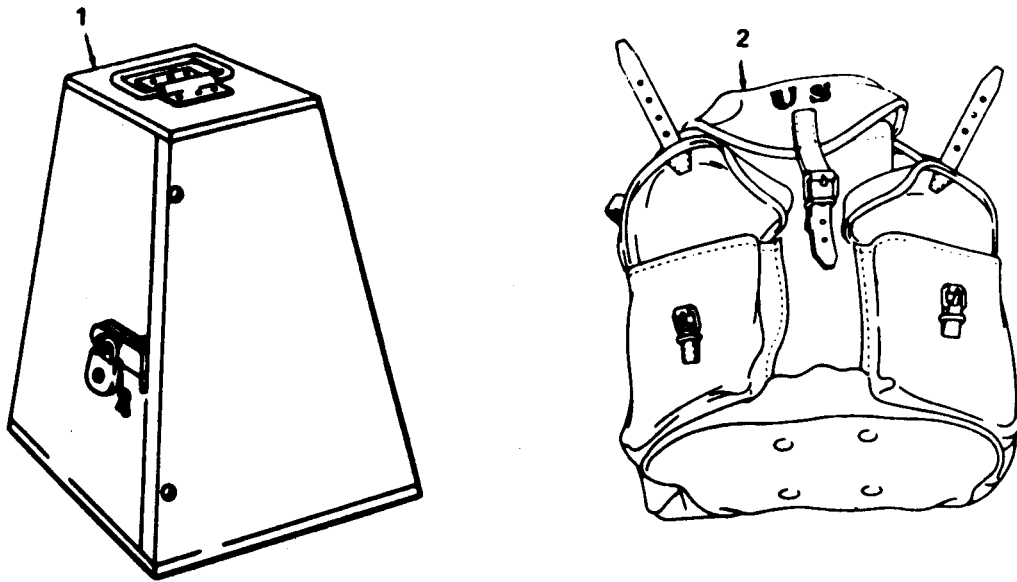


Figure 1. Carrying Case

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	(A) ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
						GROUP 01 HAVERSACK, SHIPPING, CARRYING AND ASSEMBLY CASE		
1	1	XBOZZ	6675-00-863-7471	T21-401	89905	CASE SHIPPING		EA 1
1	1	XBOZZ	6675-01-036-5616	316110	39905	CASE, SHIPPING		EA 1
1	2	PAOZZ	6675-00-023-5052	HDS1-2A	89905	HAVERSACK		EA 1

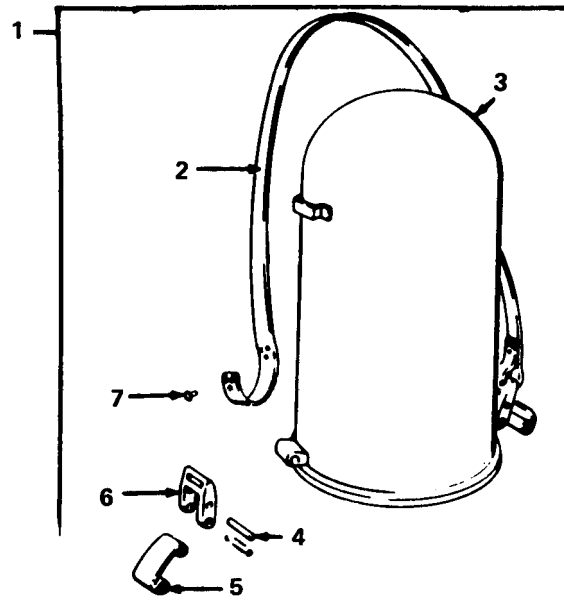


Figure 2. Hood Assembly

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	(B) ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
2	1	XBOOZ	6675-01-037-0253	GVP4-04000	89905	METAL HOOD ASSEMBLY		EA 1
2	2	PAOZZ	6675-00-831-0010	NT2-294A	89905	.STRAP, LEATHER		EA 1
2	3	XAOZZ		NT2-291BGD	89905	.HOOD ASSEMBLY		EA 1
2	4	XBOZZ		T0-44060	89905	.PIN, LOCK		EA 4
2	5	XBOZZ		T0-44050	89905	.SPRING, LOCK HOOD TO BASE		EA 2
2	6	XBOZZ		T0-44040	89905	.LEVER, LOCK		EA 2
2	7	XBOZZ		HDV1-17-1	89905	.RIVET		EA 4

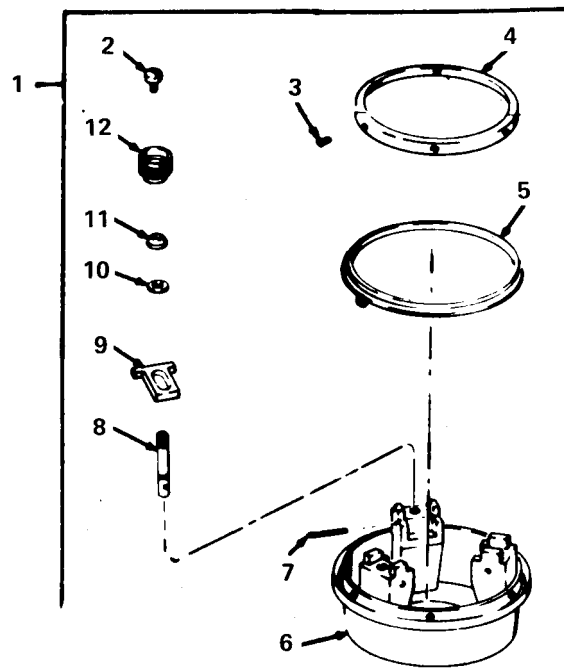


Figure 3. Base Assembly

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
3	1	XBOOZ		XT21-108MIL	89905	CASE BASE ASSEMBLY	CRR	EA 1
3	1	XBOZZ		T21-201A142A	89905	.BASE ASSEMBLY		EA 1
3	2	XBOZZ		WN21-570-48-3LX4 -7	89905	..SCREW		EA 3
3	3	XBOZZ		DIN63-2X5	89905	..SCREW		EA 6
3	4	XBOZZ		NT2-295A	89905	..COLLAR		EA 1
3	5	PAOZZ	6675-00-378-9365	NT2-284A	89905	..GASKET,RUBBER		EA 1
3	6	XAOZZ		T21-201A	89905	..BASE		EA 1
3	7	XAOZZ		WN24-120-2-5X24	89905	..PIN		EA 1
3	8	XAOZZ		T21-142A	89905	..BOLT		EA 3
3	9	XBOZZ	6675-00-378-9364	NT2-283	89905	..LEVER		EA 3
3	10	XBOZZ		HDT1-11	89905	..WASHER,SPRING		EA 3
3	11	XBOZZ		LT405	89905	..WASHER		EA 3
3	12	XBOZZ		T21-143A	89905	..NUT		EA 3

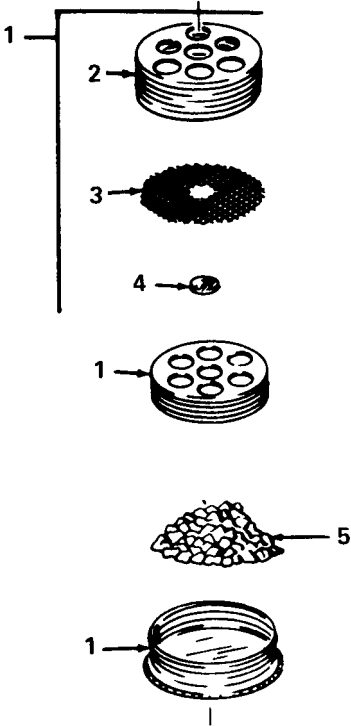


Figure 4. Desiccant Container

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	(B) ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
4	1	PAOOZ	6675-00-127-2857	NT1-893-894-895	89905	CONTAINER, GROUND		EA 1
4	2	XBOZZ	6675-00-830-8689	NT1-893	89905	.CONTAINER, GROUND		EA 1
4	3	XAOZZ		NT1-894	89905	..SCREEN, CONTAINER		EA 1
4	4	XAOZZ		NT1-895	89905	..WINDOW		EA 1
4	5	XBOZZ	6850-00-680-2233	MIL-D-3716	81349	.DESICCANT, ACTIVATED 1 1/2 LB CAN		EA 1

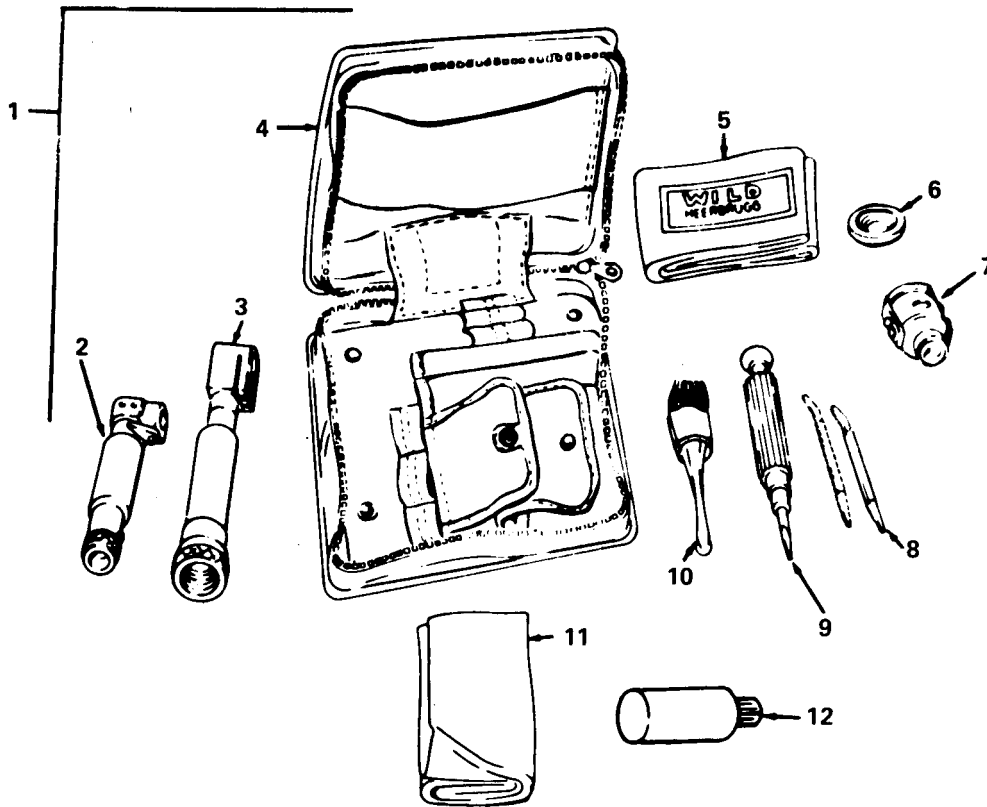


Figure 5. Case and Accessories

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	(B) ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
5	1	XBOZZ		XT21-109-68	89905	CASE, ACCESS, FILLED	CRR	EA 1
5	2	PAOZZ	6675-00-378-9498	GZ0M2-00001-68	89905	.EYEPiece, DIAGONAL		EA 1
5	3	PAOZZ	6675-00-980-0116	GZ0F00000-68	89905	.EYEPiece, DIAGONAL	CRR	EA 1
5	4	PAOZZ	6675-00-980-0118	T21-251AG	89905	.CASE, ACCESSORY		EA 1
5	5	PAOZZ	6675-00-378-9401	NT2-549A	89905	..COVER, PLASTIC		EA 1
5	6	PAOZZ	6675-00-997-4328	GOF4-00001	89905	..BLACK SUNGLASS		EA 1
5	7	XBOZZ	6675-00-863-7471	T21-4W	89905	.FITTING, CLAMP		EA 2
5	8	PAOZZ	6675-00-353-4103	3A55	89905	.PIN, SURVEYING, CASE		EA 2
5	9	PAOZZ	5120-00-446-2860	HDW1-2	89905	.SCREWDRIVER		EA 1
5	10	XBOZZ		3A59	89905	.BRUSH, DUST		EA 1
5	11	XBOZZ		HDP3-7	89905	.CHAMOIS, LEATHER	CRR	EA 1
5	12	PAOZZ	6675-00-446-1762	HDF3-4	89905	.CONTAINER, GREASE		EA 1

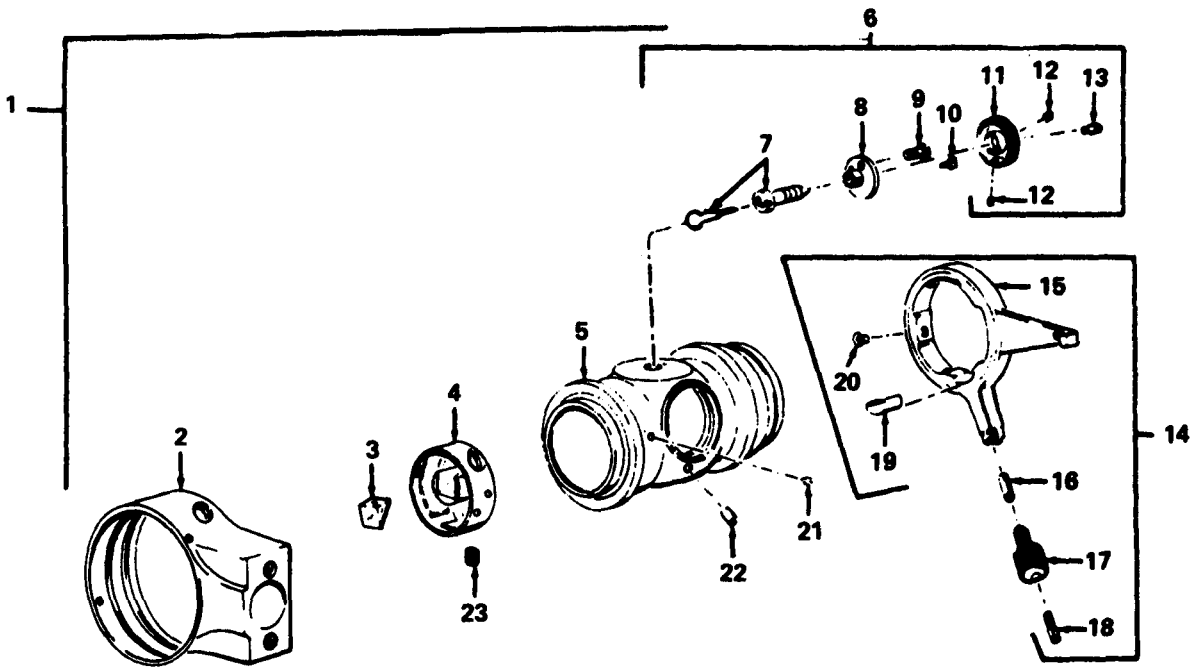


Figure 6. Telescope Axis Assembly

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
						GROUP 02 TELESCOPE AXIS, FOCUSING TUBE, EYEPIECE AND TELESCOPE OBJECTIVE ASSEMBLY		
6		XBDDZ		XT21-312-68	89905	TELESCOPE AXIS	CRR	EA 1
6	1	XBDDZ		T21-302	89905	.AXIS ASSEMBLY		EA 1
6	2	XBDZZ		NT2-81A	89905	..BEARING, RIGHT		EA 1
6	3	PADZZ	6675-00-378-9312	NT2-103	89905	..PRISM, AXIS TELESCOPE AND CLAMP	CRR	EA 1
6	4	XBDZZ		NT2-102F	89905	..HOUSING, PRISM AXIS TELESCOPE AND CLAMP		EA 1
6	5	XBDZZ		T21-301	89905	..AXIS, TELESCOPE		EA 1
6	6	XBDDZ		T21-53000	89905	.RETICLE ILLUMINATION ASSEMBLY		EA 1
6	7	PADZZ	6675-00-253-5496	NT2-1088F	89905	..MIRROR AXIS		EA 1
6	8	XBDZZ		T1A51030	89905	..BEARING, SLEEVE		EA 1
6	9	XBDZZ		WN21-550-27-2X1	89905	..SCREW ILLUMINATION ASSEMBLY		EA 1
6	10	XBDZZ		WN21-550-62-2-6X 5	89905	..SCREW, AXLE		EA 2
6	11	XBDZZ		T1A51020	89905	..KNOB, ILLUMINATION		EA 1
6	12	PADZZ	5305-00-378-9538	DIN553-2X2	89905	..SETSCREW HORIZONTAL BASE, ILLUMINATION ASSEMBLY	CRR	EA 2
6	13	XBDZZ		T1A51010	89905	..PIN, STOP		EA 1
6	14	XBDDZ		T21-29000	89905	.VERTICAL CLAMP		EA 1
6	15	PADZZ	6675-00-378-9313	NT2-104B	89905	..CLAMP, AXLE TELESCOP	CRR	EA 1
6	16	XDDZZ	6675-00-378-9316	NT2-109	89905	..PIN, CLAMP AXLE AND BEARING	CRR	EA 1
6	17	XBDZZ		NT2-106A	89905	..KNOB, CLAMP		EA 1
6	18	XBDZZ		WN21-550-44-2X6- 3	89905	..SCREW, AXLE		EA 1
6	19	PADZZ	6675-00-378-9314	NT2-105	89905	..SHOE, CLAMP TELESCOPE LOCK		EA 1
6	20	XBDZZ		WN21-630-57-4X3- 5	89905	..SCREW, MACHINE AXLE TELESCOPE AND CLAMP		EA 3
6	21	XBDZZ		DIN553-2-6X4	89905	.SETSCREW TELESCOPE TO CLAMP		EA 3
6	22	XBDZZ		DIN85-2-6X6	89905	.SCREW, HORIZONTAL		EA 2
6	23	XBDZZ		WN21-500-9-2X1	89905	.SETSCREW TELESCOPE AND CLAMP		EA 1

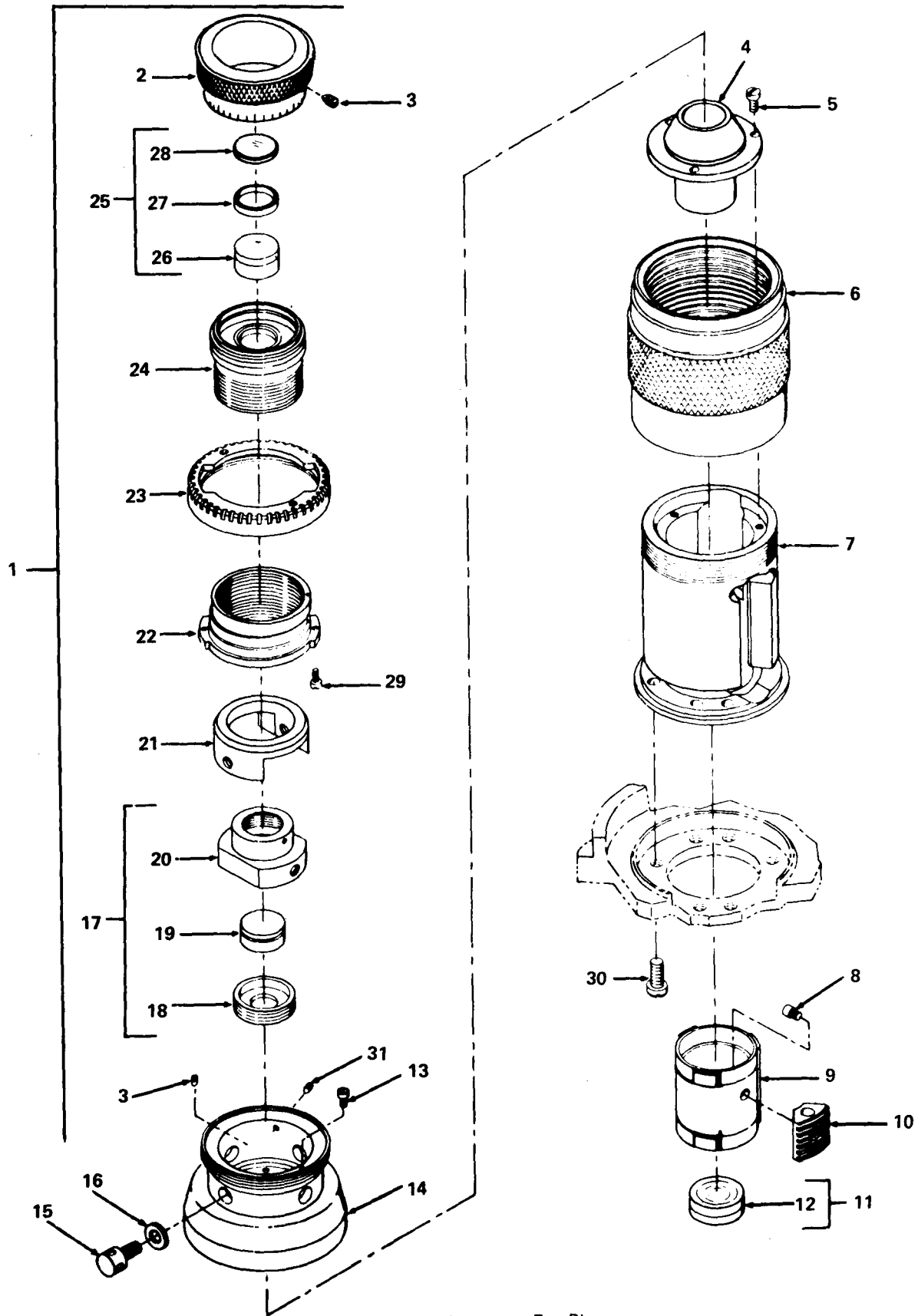


Figure 7. Telescope Eye Piece

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
(A) FIG NO	(B) ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
7	1	XBDDZ		UF00001-68	89905	FOCUSING TUBE		EA 1
7	2	XBDZZ		F0K77-01751	89905	.SCALE,DIAL INDEX TELESCOPE		EA 1
7	3	XBDZZ		DIN553-1-7X2-5	89905	.SETSCREW TELESCOPE EYEPIECE	CRS	EA 3
7	4	XBDZZ		T21-351A	89905	.COUNTERWEIGHT TELESCOPE EYEPIECE		EA 1
7	5	XBDZZ		D1N920-2X4	89905	.SCREW,MACHINE TELESCOPE EYEPIECE COUNTERWEIGHT		EA 3
7	6	XBDZZ		T21-324A	89905	.SLEEVE, FOCUS		EA 1
7	7	XBDZZ		T21-321	89905	.TUBE, FOCUSING EYEPIECE		EA 1
7	8	XBDZZ		WN21-530-5-2X1-5	89905	.SCREW FOCUSING TUBE		EA 1
7	9	XADZZ		T21-352	89905	.MOUNT, FOCUSING TELESCOPE EYEPIECE		EA 1
7	10	XBDZZ		T21-325	89905	.SLIDE, FOCUSING EYEPIECE		EA 1
7	11	XBDDZ		T21-353	89905	.FOCUSING LENS		EA 1
7	12	XADZZ		T21-343	89905	.LENS, FOCUSING		EA 1
7	13	XBDZZ		WN21-570-32-2-6X 4	89905	.SCREW,MACHINE FOCUSING HOUSING		EA 2
7	14	XBDZZ		T21-323	89905	.HOUSING, FOCUSING		EA 1
7	15	XBDZZ		WN21-600-8-2-6X5 -5	89905	.SCREW, ADJUSTING BASE		EA 2
7	16	XBDZZ		T21-328	89905	.WASHER, FLAT BASE ADJUSTING SCREW		EA 4
7	17	XBDDZ	6675-00-253-5498	T21-58000	89905	.RETICLE ASSEMBLY	CRR	EA 1
7	18	XADZZ		AF01040	89905	..LOCKRING		EA 1
7	19	XADZZ		UF0197	89905	..RETICLE, TELESCOPE		EA 1
7	20	XADZZ		T21-326	89905	..HOUSING, RETICLE		EA 1
7	21	XBDZZ		T21-327	89905	.RING, RETAINING RETICLE HOUSING		EA 1
7	22	XADZZ		F0K77-01052	89905	.FLANGE		EA 1
7	23	XBDZZ		T21-329	89905	.LOCKNUT FOCUSING HOUSING		EA 1
7	24	XADZZ		F0K77-01042	89905	.SLEEVE, THREADED FOCUSING FLANGE		EA 1
7	25	XBDDZ	6675-00-129-3262	F0K77-00002	89905	.EYEPIECE, TELESCOPE		EA 1
7	26	XADZZ		F0K77-01100	89905	..LENS, EYEPIECE TELESCOPE		EA 1
7	27	XADZZ		F0K77-01061	89905	..RING, SPACER TELESCOPE LENS		EA 1
7	28	XADZZ		F0K77-01030	89905	..LENS, EYEPIECE TELESCOPE		EA 1
7	29	XBDZZ		WN21-530-1-1-4X1 -3	89905	.SCREW, MACHINE TELESCOPE FLANGE		EA 1
7	30	XBDZZ		WN21-570-51-3X5- 5	89905	.SCREW, MACHINE FOCUSING HOUSING		EA 4
7	31	XBDZZ		WN21-530-1-1-4X1 -3	89905	.SCREW, MACHINE HORIZONTAL BASE		EA 2

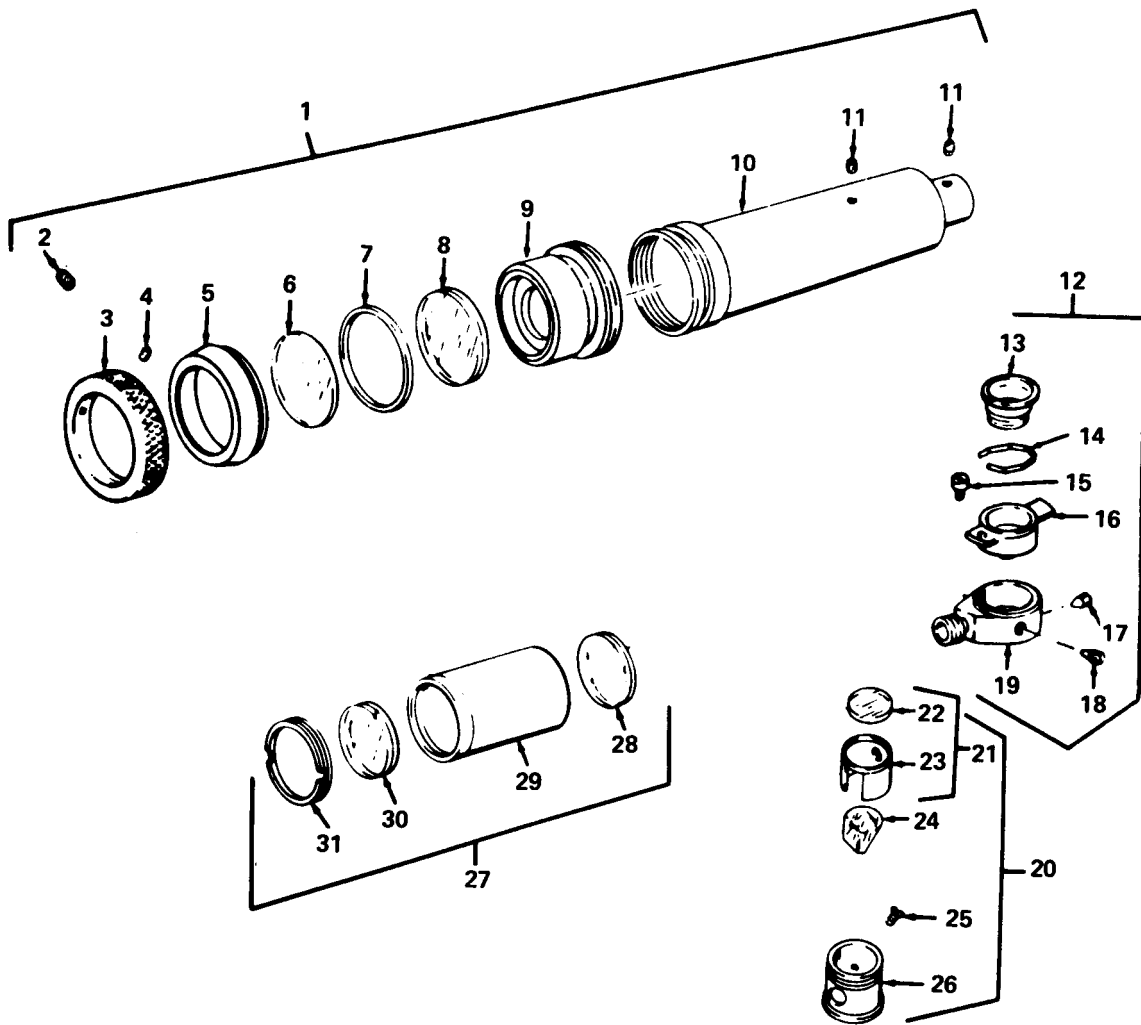


Figure 8. Eye Piece

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
8	1	XBDDZ		195899	89905	.EYEPICE ASSEMBLY	CRS	EA 1
8	2	XBDZZ		D1N551-2X3	89905	..SETSCREW EYEPICE SLEEVE		EA 3
8	3	XADZZ		200456	89905	..RING,SPACER TELESCOPE EYEPICE		EA 1
8	4	XBDZZ		D1N553-1-7X2-5	89905	..SETSCREW TELESCOPE EYEPICE	CRS	EA 3
8	5	XBDZZ		FOK77-01090	89905	..SLEEVE, INDEX		EA 1
8	6	XADZZ		200460	89905	..LENS,EYEPICE		EA 1
8	7	XADZZ		169693	89905	..RING,SPACER TELESCOPE LENS		EA 1
8	8	XADZZ		200459	89905	..LENS,EYEPICE		EA 1
8	9	XADZZ		200455	89905	..MOUNT,EYEPICE		EA 1
8	10	XADZZ		GZ0F03011	89905	..TUBE,EYEPICE		EA 1
8	11	XBDZZ		WN21-500-2-1-7X1-2	89905	..SETSCREW EYEPICE HEAD		EA 2
8	12	XBDDZ		GZCF04000	89905	.CONNECTOR HEAD ASSEMBLY		EA 1
8	13	XBDZZ		GZ0F04040	89905	..BUSHING,CONNECTOR		EA 1
8	14	XBDZZ		GZ0F04030	89905	..SPRING CONNECTOR HEAD		EA 1
8	15	XBDZZ		WN21-530-1-1-4X1-5	89905	..SCREW,MACHINE HEAD SLEEVE		EA 1
8	16	XBDZZ		GZCF04020	89905	..SLEEVE,CENTERING		EA 1
8	17	XBDZZ		WN21-500-12-2X2-1	89905	..SETSCREW CONNECTOR HEAD		EA 1
8	18	XBDZZ		D1N551-2X3	89905	..SETSCREW HEAD		EA 1
8	19	XBDZZ		GZ0F04011	89905	..HEAD,CONNECTING		EA 1
8	20	XBDDZ		GZCF05000	89905	.LENS AND PRISM		EA 1
8	21	XADZZ		GZ0F01000	89905	..LENS ASSEMBLY		EA 1
8	22	XADZZ		GZ0F01010	89905	..LENS		EA 1
8	23	XADZZ		GZ0RC1021	89905	..MOUNT,LENS		EA 1
8	24	XADZZ		GZCF05011	89905	..PRISM,EYEPICE		EA 1
8	25	XBDZZ		WN21-630-20-2X1-3	89905	..SCREW,MACHINE EYEPICE HOUSING		EA 1
8	26	XADZZ		GZCF05021	89905	..HOUSING,PRISM		EA 1
8		XBDDZ		GZCF06001	89905	..TUBE,EYEPICE		EA 1
8	27	XBDZZ		GZ0F02000	89905	...OBJECTIVE ASSEMBLY		EA 1
8	28	XADZZ		GZ0F02100	89905	...LENS,OBJECTIVE		EA 1
8	29	XADZZ		GZ0F02050	89905	...MOUNT,OBJECTIVE		EA 1
8	30	XADZZ		GZ0F02200	89905	...LENS,OBJECTIVE		EA 1
8	31	XBDZZ		GZ0F02060	89905	...LOCKRING		EA 1

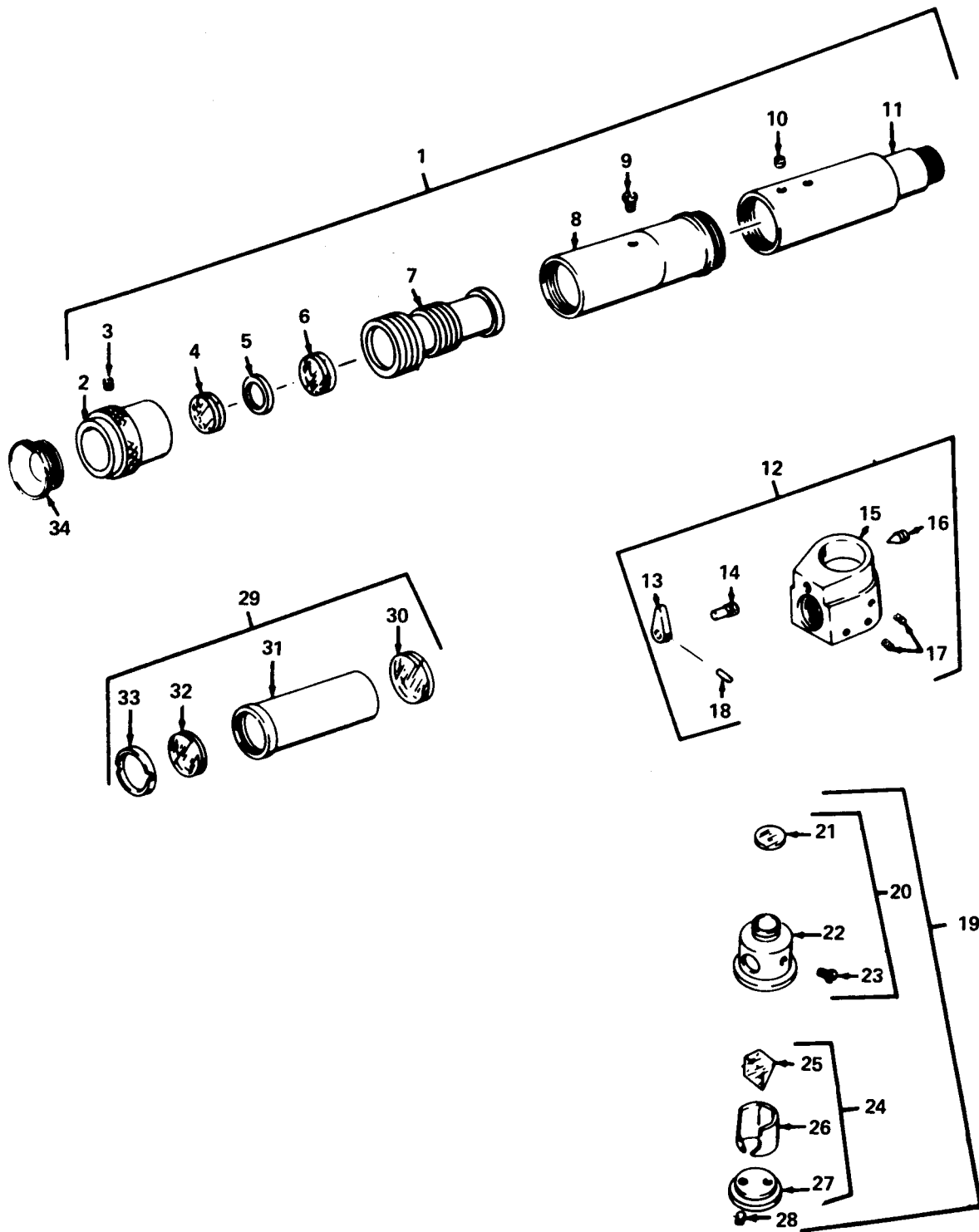


Figure 9. Eye Piece Assembly

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
9	1	XBDDZ		GZCM2-03001	89905	.EYEPIECE ASSEMBLY	CRS	EA 1
9	2	XADZZ		GZOM2-03101	89905	..EYEPIECE, FOCUS		EA 1
9	3	XBDZZ		WN21-500-2-1-7X1-35	89905	..SETSCREW FOCUSING SLEEVE		EA 1
9	4	XADZZ		T21-376	89905	..LENS, EYEPIECE		EA 1
9	5	XADZZ		T21-378B	89905	..RING, SPACER FOCUSING LENS		EA 1
9	6	XADZZ		T21-377A	89905	..LENS, EYEPIECE		EA 1
9	7	XADZZ		T21-380	89905	..TUBE, MILLED FOCUSING SLEEVE		EA 1
9	8	XBDZZ		GZCM2-06010	89905	..TUBE, MAIN		EA 1
9	9	XADZZ		WN21-550-24-2X1-5	89905	..SCREW MAIN TUBE		EA 2
9	10	XADZZ		D1N551-2X2-5	89905	..SETSCREW EYEPIECE SLEEVE		EA 2
9	11	XADZZ		GZOM2-03010	89905	..SLEEVE		EA 1
9	12	XBDDZ		GZOM2-04000	89905	.CONNECTION HEAD ASSEMBLY		EA 1
9	13	XADZZ		T1-258	89905	..LEVER, LOCKING		EA 1
9	14	XADZZ		GZOM1-04010	89905	..LOCKSCREW		EA 1
9	15	XADZZ		GZOM2-01010	89905	..HEAD, CONNECTING		EA 1
9	16	XBDZZ		D1N920-2X2	89905	..SCREW CONNECTING HEAD		EA 1
9	14	XBDZZ		WN21-500-9-2X1-3	89905	..SETSCREW CONNECTING HEAD		EA 2
9	18	XADZZ		WN24-120-1X5	89905	..PIN CONNECTING HEAD LEVER		EA 1
9	19	XBDDZ		GZOM2-05000	89905	.PRISM AND LENS		EA 1
9	20	XADZZ		GZOM2-02000	89905	..LENS ASSEMBLY		EA 1
9	21	XADZZ		GZOM2-02010	89905	...LENS		EA 1
9	22	XADZZ		GZOM2-01020	89905	...MOUNT, LENS		EA 1
9	23	XBDZZ		D1N553-1-7X2	89905	...SETSCREW	CRR	EA 1
9	24	XBDDZ		GZOM1-02000	89905	..PRISM ASSEMBLY MICROSCOPE OBJECTIVE		EA 1
9	25	XADZZ		GZOM1-02010	89905	...PRISM		EA 1
9	26	XADZZ		GZOM1-02020	89905	...HOUSING, PRISM		EA 1
9	27	XADZZ		GZOM1-01030	89905	...COVER		EA 1
9	28	XADZZ		WN21-630-3-1-4X3-3	89905	...SCREW, MACHINE		EA 2
9	29	XBDDZ		GZCF02000	89905	.OBJECTIVE ASSEMBLY		EA 1
9	30	XADZZ		GZOF02100	89905	..LENS, OBJECTIVE		EA 1
9	31	XADZZ		GZOF02050	89905	..MOUNT, OBJECTIVE		EA 1
9	32	XADZZ		GZOF02200	89905	..LENS, OBJECTIVE		EA 1
9	33	XADZZ		GZOF02060	89905	..LOCKRING		EA 1
9	34	XADZZ		NT2-127	89905	.COLLAR EYEPIECE		EA 1

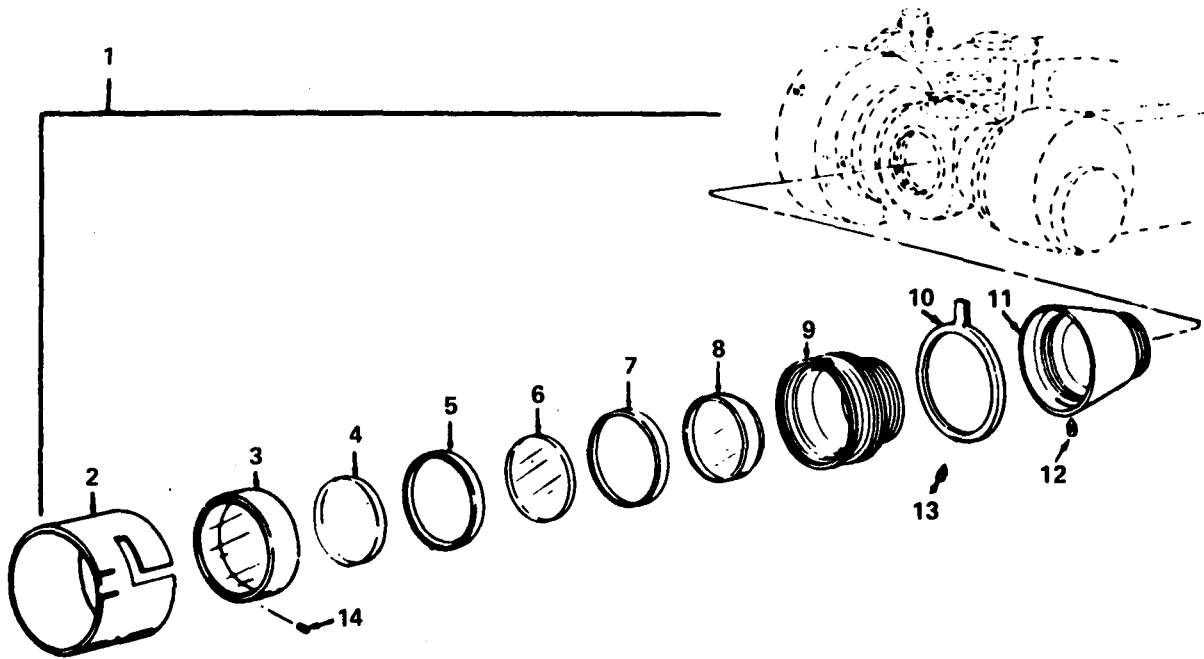


Figure 10. Telescope Objective Assembly

SECTION II				TMS-6675-296-24P			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTRATION		FEDERAL	PART		DESCRIPTION		QTY
(A)	(B)	STOCK	NUMBER	FSCM		USABLE ON CODE	INC
FIG	ITEM	NUMBER					IN
NO	NO						UNIT
10	1	XBDZ	T21-61001-68	89905	TELESCOPE, OBJECTIVE	CRS	EA 1
10	1	PADZZ	6675-00-253-5497	T21-318A	.TELESCOPE, OBJECTIVE	CRS	EA 1
10	2	PADZZ	6675-00-979-8744	GSB2	..SUNSHADE	CRS	EA 1
10	3	XBDZZ	6675-00-997-4333	FCB01090	..COVER		EA 1
10	4	XADZZ		T21-311	..LENS, OBJECTIVE		EA 1
10	5	XBDZZ		T21-317	..RING, SPACER		EA 1
10	6	XADZZ		T21-312	..LENS, OBJECTIVE		EA 1
10	7	XBDZZ		F9B01060	..RING, SPACER		EA 1
10	8	XADZZ		T21-315A	..LENS OBJECTIVE		EA 1
10	9	XBDZZ		T21-316A	..HOUSING, OBJECTIVE		EA 1
10	10	XBDZZ		T21-304A	..SIGHT, GUN		EA 1
10	11	XBDZZ		T21-303	..HOUSING, OBJECTIVE		EA 1
10	12	XBDZZ		D1N553-2X3	..SETSCREW		EA 1
10	13	XBDZZ		WN21-500-4-1-7X2 -5	..SETSCREW		EA 1
10	14	XBDZZ		WN21-500-2-1-7X1 -35	..SETSCREW		EA 1

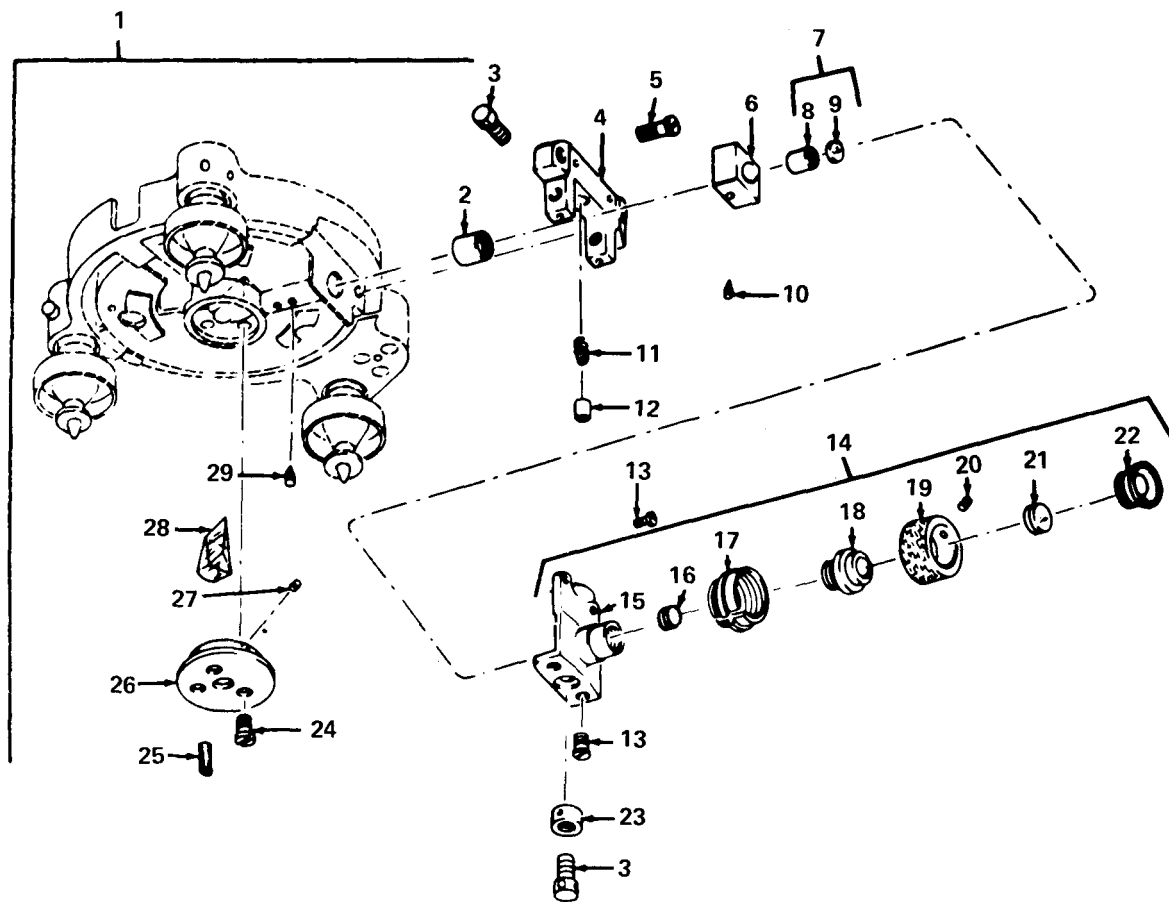


Figure 11. Optical Plummet Eyepiece Assembly

SECTION II (1) ILLUSTRATION (A) FIG NO		(2) (B) ITEM NO	(3) FEDERAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	TMS-6675-296-24P (6) DESCRIPTION	USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
GROUP 03 OPTICAL PLUMMET EYEPIECE ASSEMBLY									
11	1	PADDZ	6675-00-420-4963	T21-39001-68	89905	OPTICAL PLUMMET		EA	1
11	2	XBDZZ		T2-453A	89905	.HOUSING,OBJECTIVE	CRS	EA	1
11	3	XBDZZ		WN21-601-9-4X0-3 5X8	89905	.SCREW,ADJUSTING		EA	3
11	4	XBDZZ		T21-43	89905	.HOUSING,SPRING		EA	1
11	5	XBDZZ		WN21-571-14-3X11	89905	.SCREW PLUMMING HOUSING		EA	2
11	6	XBDZZ		T21-46	89905	.SLEEVE,RETICLE		EA	1
11	7	XBDZZ		T21-35000-68	89905	.OPTICAL PLUMMET		EA	1
11	8	XADZZ		T21-47	89905	.HOUSING,RETICLE		EA	1
11	9	XADZZ		15270-13	89905	.RETICLE,PLUMMET		EA	1
11	10	XBDZZ		WN21-500-3-1-7X1 -5	89905	.SETSCREW OPTICAL PUMBING DEVICE		EA	1
11	11	XBDZZ		T2-464	89905	.SPRING PLUMBING DEVICE HOUSING		EA	1
11	12	XBDZZ		T2-468	89905	.SLEEVE,SPRING	CRS	EA	1
11	13	XBDZZ		D1N85-2X5	89905	.SCREW,MACHINE PLUMBING DEVICE BRACKET		EA	4
11	14	XBDZZ		T21-37000	89905	.OPTICAL PLUMMET		EA	1
11	15	XADZZ		T21-44A	89905	.MOUNT,EYEPIECE		EA	1
11	16	XBDZZ		T2-23F	89905	.LENS ASSEMBLY EYEPIECE		EA	1
11	17	XBDZZ		T21-48A	89905	.COLLAR,STOP PLUMBING DEVICE		EA	1
11	18	XBDZZ		T21-40A	89905	..HOUSING,LENS		EA	1
11	19	XBDZZ		T21-49A	89905	..COLLAR,MILLED		EA	1
11	20	XBDZZ		D1N553-1-7X3	89905	..SETSCREW MILLED COLLAR		EA	3
11	21	XADZZ		T2-421F	89905	..LENS ASSEMBLY		EA	1
11	22	XADZZ		T21-39A	89905	.LOCKNUT LENS ASSEMBLY		EA	1
11	23	PADZZ	5310-00-378-9474	T2-467A	89905	.NUT,LOCK PLUMBING DEVICE		EA	1
11	24	XBDZZ		D1N85-2-6X6	89905	.SCREW,MACHINE PRISM HOUSING		EA	3
11	25	XBDZZ		WN21-500-9-2X1-5	89905	.SCREW,MACHINE PRISM HOUSING		EA	1
11	26	XBDZZ		GDF2-003020	89905	.HOUSING,PRISM		EA	1
11	27	PADZZ	6675-00-862-2584	D1N551-2X4	89905	.SETSCREW, PLUMBING DEVICE LOCK	CRS	EA	1
11	28	XBDZZ		T21-41	89905	.PRISM PLUMBING DEVICE		EA	1
11	29	PADZZ	5305-00-378-9538	D1N553-2X2	89905	.SETSCREW PRISM HOUSING		EA	1

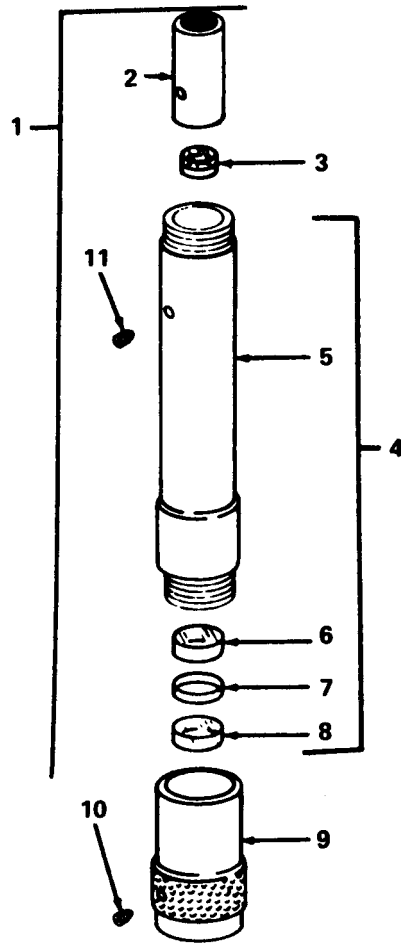


Figure 12. Reading Microscope Assembly

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
						GROUP 04 READING MICROSCOPE AND MIRROR ASSEMBLY		
12	1	XBDDZ	6675-00-487-3627	T21-365	89905	MICROSCOPE		EA 1
12	2	XADZZ		T21-364	89905	.MOUNT,LENS		EA 1
12	3	XADZZ		T21-363	89905	.LENS,OBJECTIVE		EA 1
12	4	PADDZ	6675-00-435-4460	T21-379A	89905	.EYEPIECE ASSEMBLY		EA 1
12	5	XADZZ		T21-373	89905	..TUBE,READING		EA 1
12	6	XADZZ		T21-376	89905	..LENS,EYEPIECE		EA 1
12	7	XBDZZ		T21-378B	89905	..RING,SPACER MICROSCOPE LENS		EA 1
12	8	XADZZ		T21-377A	89905	..LENS,EYEPIECE		EA 1
12	9	XBDZZ		T21-380	89905	.SLEEVE,MILLED READING MICROSCOPE		EA 1
12	10	XBDZZ		D1N553-1-7X2	89905	.SETSCREW MILLED COLLAR	CRS	EA 2
12	11	XBDZZ		D1N553-2-6X2-5	89905	.SETSCREW MICROSCOPE TUBE		EA 1

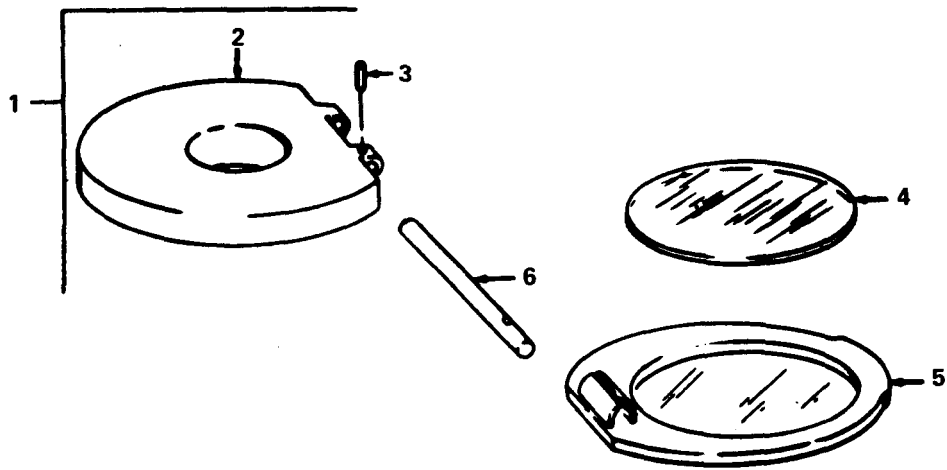


Figure 13. Illumination Mirror Assembly

SECTION II		TMS-6675-296-24P							
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	
ILLUSTRATION			FEDERAL			DESCRIPTION		QTY	
(A)	(B)	SMR	STOCK	PART	FSCM		USABLE ON CODE	INC	
FIG	ITEM	CODE	NUMBER	NUMBER				IN	
NO	NO							UNIT	
13	1	PAOZZ	6675-00-420-8916	T1A29001-68	89905	ILLUMINATION, MIRROR		EA 2	
13	2	XAOZZ		T1A29030	89905	.SLEEVE, MIRROR		EA 1	
13	3	XAOZZ		T1A29050	89905	.PIN MTG PIN RETAINING		EA 1	
13	4	XAOZZ		NT2-60A	89905	.MIRROR, ILLUMINATION		EA 1	
13	5	XAOZZ		T1A29021	89905	.MOUNT, MIRROR		EA 1	
13	6	XAOZZ		T1A29040	89905	.AXIS ILLUMINATION MIRROR		EA 1	

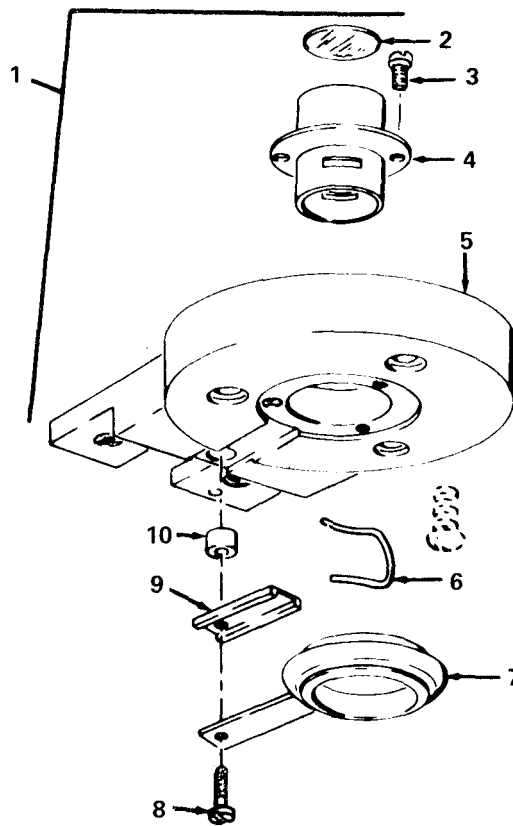


Figure 14. Vertical Circle Illumination Assembly

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
						GROUP 05 VERTICAL CIRCLE ILLUMINATION, HORIZONTAL AXIS AND VERTICAL READING ASSEMBLIES		
14		XBDDZ		XT21-317	89905	VERTICAL CIRCLE	CRS	EA 1
14	1	XBDZZ		T21-32000	89905	.ILLUMINATION, LENS		EA 1
14	2	PADZZ	6675-00-378-9399	NT2-52	89905	.LENS, ILLUMINATION	CRS	EA 1
14	3	XBDZZ		WNZ1-570-18-2X2-5	89905	.SCREW, MACHINE		EA 3
14	4	PADZZ	6675-00-378-9398	NT2-51	89905	.SOCKET, VERTICAL	CRS	EA 1
14	5	XBDZZ		NT2-57A	89905	.SLEEVE, CONTACT		EA 1
14	6	XBDZZ		FOKA02-031	89905	.SPRING CONTACT ASSEMBLY		EA 1
14	7	XBDZZ		NT2-53	89905	.ILLUMINATION		EA 1
14	8	XBDZZ		D1N85-2X8	89905	.SCREW, MACHINE CONTACT MTG		EA 1
14	9	PADZZ	6675-00-378-9400	NT2-54	89905	.INSULATION, VERTICAL	CRS	EA 1
14	10	PADZZ	6675-00-378-9402	NT2-55	89905	.INSULATION, VERTICAL	CRS	EA 1

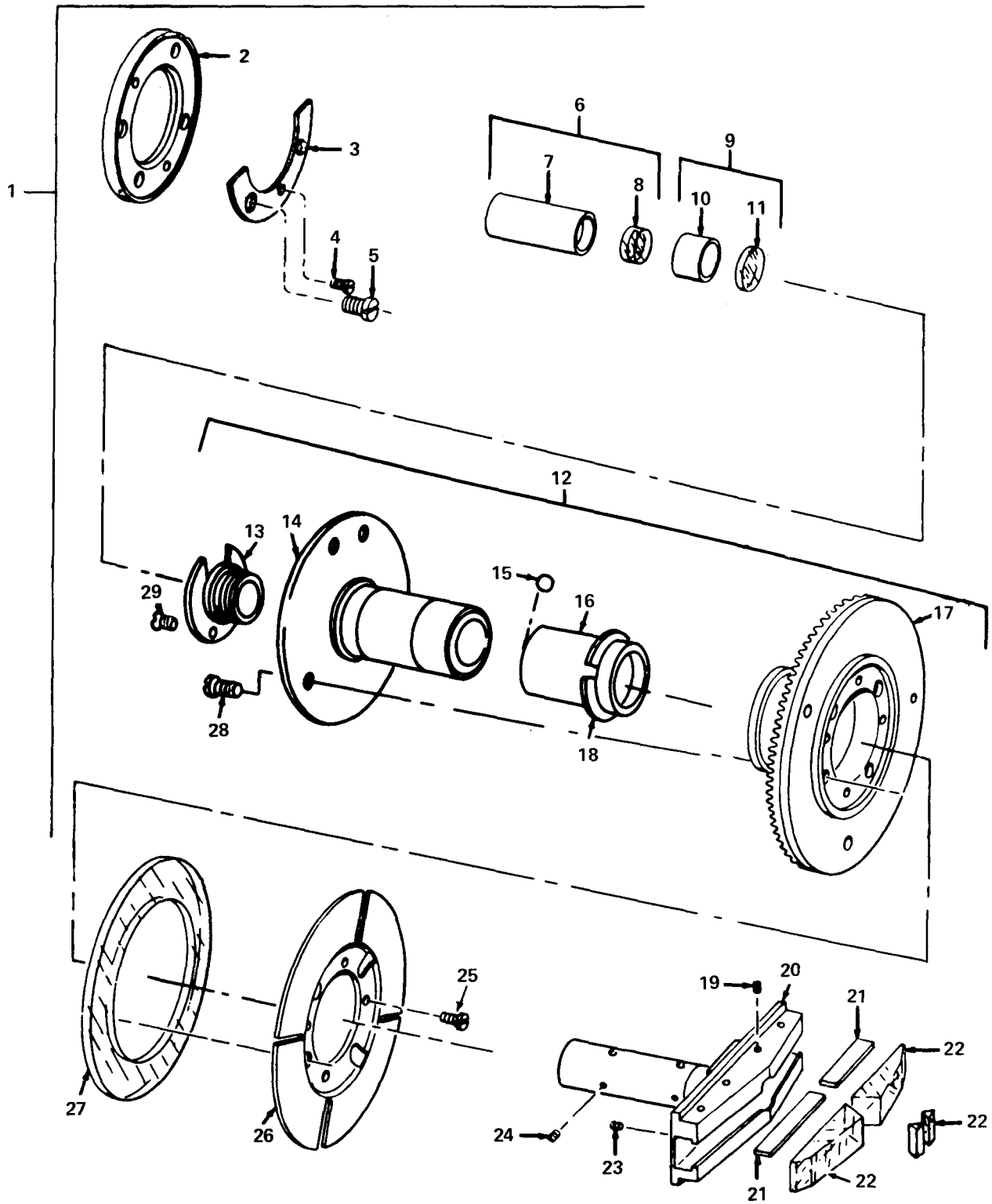


Figure 15. Horizontal Circle Axis Assembly

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
15	1	XBDDZ		XT21-308-68	89905	HORIZONTAL CIRCLE	CRS	EA 1
15	2	XBDZZ		T21-154	89905	.BUSHING		EA 1
15	3	XBDZZ		T2-121	89905	.SEGMENT,HORIZONTAL		EA 2
15	4	XBDZZ		D1N85-2-6X4	89905	.SCREW,MACHINE HORIZONTAL CIRCLE AXLE		EA 2
15	5	XBDZZ		D1N84-3X7	89905	.SCREW,MACHINE HORIZONTAL CIRCLE AND AXLE		EA 4
15	6	XBDZ	6675-00-454-8230	T21-13000	89905	.LENS ASSEMBLY HORIZONTAL CIRCLE		EA 1
15	7	PADZZ	6675-00-378-9481	T2-504A	89905	..TUBE,HORIZONTAL	CRS	EA 1
15	8	XADZZ		NT2-209F	89905	.LENS HORIZONTAL CIRCLE		EA 1
15	9	XBDDZ		T21-14000	89905	.LENS ASSEMBLY		EA 1
15	10	XBDZZ		T2-503A	89905	..MOUNT,LENS		EA 1
15	11	XBDZZ		NT2-207	89905	..LENS		EA 1
15	12	XBDDZ		XT21-402-68	89905	.VERTICAL AXLE		EA 1
15	13	XBDZZ		NT2-205B	89905	..NUT,STOP HORIZONTAL CIRCLE AXIS		EA 1
15	14	XBDZZ		NT2-201A	89905	.AXIS VERTICAL		EA 1
15	15	XBDZZ	3110-00-521-5612	HDK8-2-2	89905	.BALL 2-5MM,BEARING		EA 25
15	16	XBDZZ		NT2-202	89905	.SHELL,BEARING		EA 1
15	17	XBDZZ		T21-151	89905	.SLEEVE,CIRCLE		EA 1
15	18	XBDZZ		T21-153	89905	.WASHER,SPRING		EA 1
15	19	XBDZZ		D1N553-2X4	89905	.SETSCREW PICKUP PRISM MTG		EA 8
15	20	XBDZZ		NT2-204A	89905	.CARRIER,PRISM HORIZONTAL CIRCLE		EA 1
15	21	PADZZ	6675-00-567-8334	T2-125	89905	.PLATE,BRASS HORIZONTAL CIRCLE AND AXLE	CRS	EA 4
15	22	XBDZZ	6675-00-450-6961	NT2-206F	89905	.PICKUP PRISM HORIZONTAL CIRCLE		EA 2
15	2	XBDZZ		WN21-500-1-1-7X1	89905	.SETCREW HORIZONTAL CIRCLE		EA 2
15	24	XBDZZ		WN21-500-9-2X1-5	89905	.SETSCREW PRISM CARRIER		EA 2
15	25	XBDZZ		D1N84-3X6	89905	.SCREW,MACHINE PLATE SPRING		EA 4
15	26	XBDZZ		T2-122A	89905	.PLATE,HORIZONTAL		EA 1
15	27	XBDZZ		T21-221TA	89905	.CIRCLE,HORIZONTAL		EA 1
15	28	XBDZZ		WN21-550-145-5X1 3-5	89905	.SCREW		EA 3
15	29	XBDZZ		WN21-630-24-2X5- 5	89905	.SCREW HORIZONTAL AXIS		EA 1

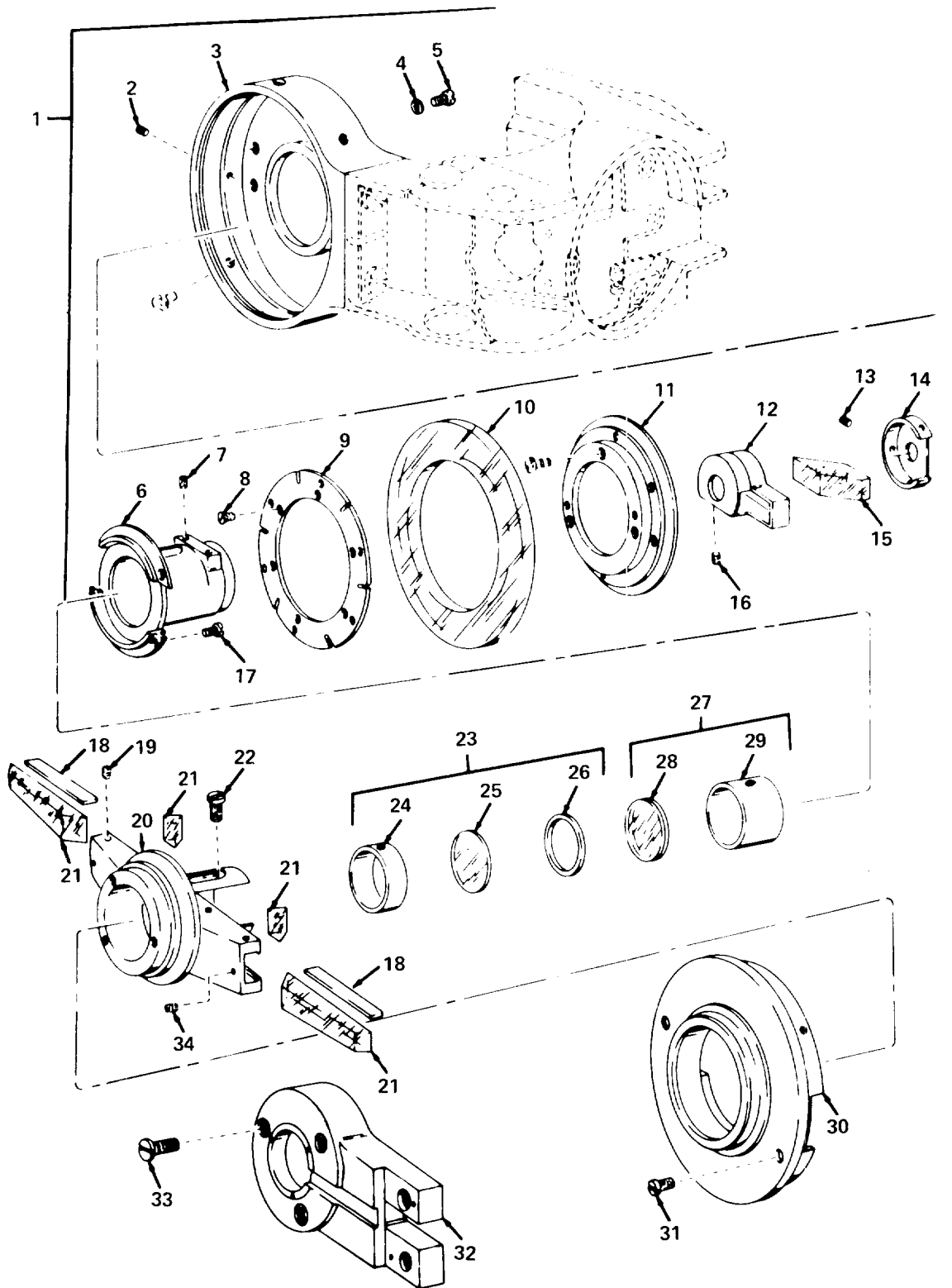


Figure 16. Vertical Circle Assembly

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
16	1	XBDDZ		X521-314-68	89905	VERTICAL CIRCLE		EA 1
16	2	XBDZZ		NT2-255A	89905	.SCREW,ALLEN HEAD		EA 4
16	3	XBDZZ		NT2-31A	89905	.BEARING,LEFT		EA 1
16	4	XBDZZ		T2-520C	89905	.WASHER		EA 2
16	5	XBDZZ		D1N85-2-6X4	89905	.SCREW		EA 4
16	6	PADZZ	6675-00-378-9369	NT2-35	89905	.MOUNT,AXIS BEARING		EA 1
16	7	XBDZZ	5305-00-378-9538	D1N553-2X2	89905	.SETSCREW PRISM MTG		EA 4
16	8	XBDZZ		WN21-630-23-2X4-5	89905	.SCREW,MACHINE SPRING PLATE MOUNTING		EA 6
16	9	XBDZZ		NT2-48	89905	.SPRING,AXIS BEARING		EA 1
16	10	XBDZZ		T21-223TA	89905	.CIRCLE,VERTICAL		EA 1
16	11	XBDZZ		NT2-47A	89905	.SLEEVE,CIRCLE		EA 1
16	12	XBDZZ		NT2-49A	89905	.MOUNT,AXIS BEARING		EA 1
16	13	XBDZZ		WN21-500-2-1-7X1-35	89905	.SETSCREW PRISM MTG COVER		EA 3
16	14	XBDZZ		NT2-50	89905	.COVER,AXIS BEARING		EA 1
16	15	XBDZZ		NT2-36BF	89905	.PRISM ASSEMBLY		EA 1
16	16	XBDZZ		WN21-500-3-1-7X1-5	89905	.SETSCREW PRISM MTG		EA 2
16	17	XBDZZ		D1N551-2X2-5	89905	.SETSCREW PRISM MTG SLEEVE		EA 3
16	18	XBDZZ	6675-00-378-9371	NT2-38	89905	.PLATE,BRASS		EA 4
16	19	XBDZZ		D1N553-2X4	89905	.SETSCREW PRISM CARRIER		EA 8
16	20	XBDZZ		NT2-33	89905	.CARRIER,PRISM		EA 1
16	21	XBDZZ		NT2-39F	89905	.PRISM,READING		EA 2
16	22	XBDZZ		D1N84-2X4	89905	.SCREW,MACHINE PRISM CARRIER		EA 4
16	23	PADDZ	6675-00-253-5499	T21-33000	89905	.LENS ASSEMBLY		EA 1
16	24	XBDZZ		NT2-45	89905	.MOUNT,AXIS BEARING	CRS	EA 1
16	25	PADZZ	6675-00-378-9374	NT2-42	89905	.LENS,AXIS BEARING		EA 1
16	26	XBDZZ		NT2-251	89905	.RING,AXIS BEARING		EA 1
16	27	XBDDZ		T21-34000	89905	.OBJECTIVE LENS		EA 1
16	28	XADZZ		NT2-44F	89905	.LENS ASSEMBLY		EA 1
16	29	XBDZZ		NT2-46	89905	.MOUNT,AXIS BEARING		EA 1
16	30	XBDZZ		NT2-32	89905	.BEARING,CARRIER		EA 1
16	31	XBDZZ		WN21-640-37-4X0-4X2-4	89905	.SCREW,MACHINE PRISM CARRIER CULLAR		EA 2
16	32	PADZZ	6675-00-378-9368	NT2-34	89905	.COLLAR,AXIS BEARING		EA 1
16	33	XBDZZ		WN21-570-54-3X6-3	89905	.SCREW,MACHINE PRISM CARRIER		EA 3
16	34	XBDZZ		WN21-570-18-2X2-5	89905	.SCREW,MACHINE PRISM CARRIER		EA 2

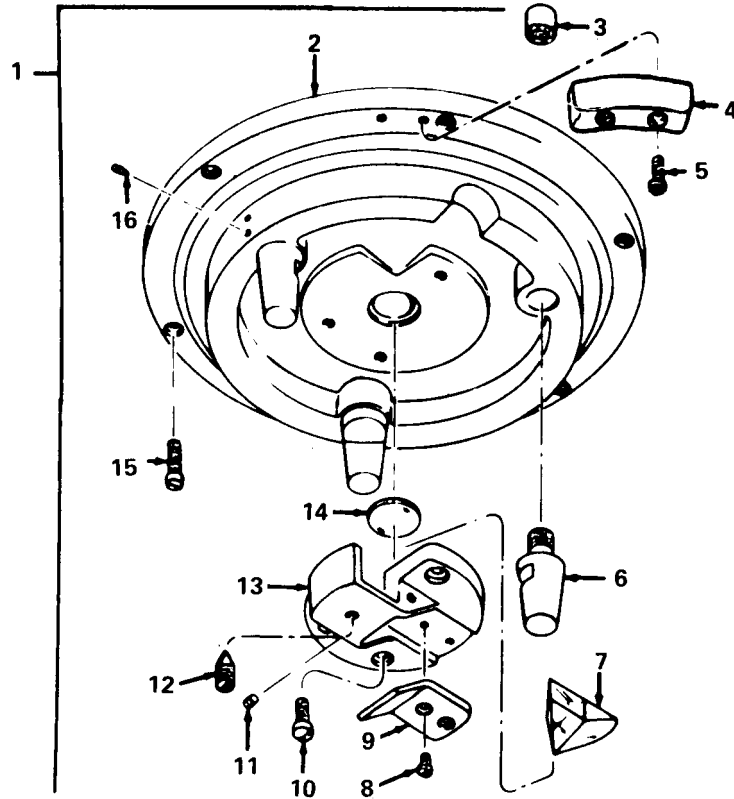


Figure 17. Base Cover Assembly

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
						GROUP 06 BASE COVER ASSEMBLY		
17	1	XBDZ	6675-00-966-5772	XT2-100-68	89905	BASE COVER ASSEMBLY		EA 1
17	2	XBDZ		T21-51	89905	.COVER,BASE		EA 1
17	3	XBDZ		T16-04030	89905	.NUT,LOCK COVER FEET		EA 3
17	4	XBDZ		TI-56	89905	.BLOCK,ORIENT		EA 1
17	5	XBDZ		WN21-550-65-2-6X 7-3	89905	.SCREW,MACHINE BLOCK MTG		EA 6
17	6	XBDZ		T21-55	89905	.FEET,CLUTCH		EA 3
17	7	XBDZ		T21-53A	89905	.PRISM,ILLUMINATION		EA 1
17	8	XBDZ		WN21-570-20-2X3	89905	.SCREW,MACHINE PISM COVER		EA 2
17	9	XBDZ		T21-54	89905	.COVER,PRISM		EA 1
17	10	XBDZ		D1N84-3X4-5	89905	.SCREW,MACHINE COVER HOUSING		EA 3
17	11	XBDZ		WN21-500-9-2X1-5	89905	.SETSCREW COVER HOUSING		EA 1
17	12	XBDZ		D1N551-2X2	89905	.SETSCREW HOUSING		EA 1
17	13	XBDZ		T21-52	89905	.HOUSING,PRISM		EA 1
17	14	XBDZ		T21-57	89905	.LENS,ILLUMINATION		EA 1
17	15	XBDZ		WN21-550-70-2-6X 8-8	89905	.SCREW,MACHINE BASE COVER		EA 2
17	16	XBDZ		D1N553-2-6X3	89905	.SETSCREW COVER MTG		EA 6

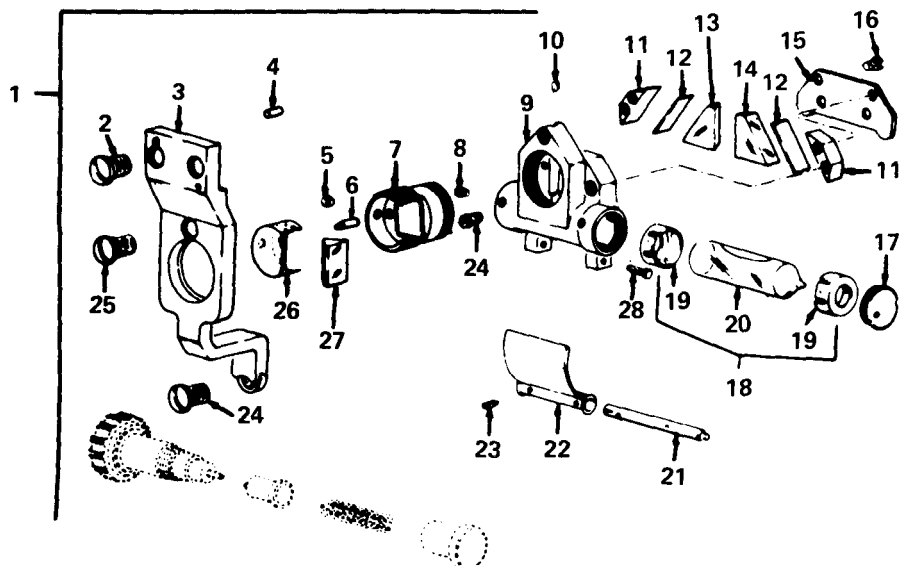


Figure 18. Vertical Collimation Level Assembly

SECTION II (1) ILLUSTRATION (A) (B) FIG ITEM NO NO		(2) SMR CODE	(3) FEDERAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	TMS-6675-296-24P (6) DESCRIPTION	USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
						GROUP 07 VERTICAL COLLIMATION LEVEL, READING MICROMETER, AND U-STANDARD ASSEMBLY			
18	1	XBDDZ		XT2-62	89905	VERTICAL		EA	1
18	2	XBDZZ		WN21-570-61-4X6	89905	.SCREW, MACHINE COLLIMATION LEVEL LEVER		EA	2
18	3	XBDZZ		NT2-61A	89905	.LEVER, LEVEL		EA	1
18	4	XBDZZ		WN24-140-1-5X5	89905	.PIN COLLIMATION LEVER		EA	2
18	5	XBDZZ		WN21-630-21-2X3-5	89905	.SCREW, MACHINE PRISM HOUSING		EA	1
18	6	XBDZZ		WN21-530-14-2X6	89905	.SCREW LEVEL HOUSING		EA	3
18	7	XBDZZ		NT2-72A	89905	.HOUSING, PRISM		EA	1
18	8	XBDZZ		WN21-570-18-2X2-5	89905	.SCREW, MACHINE PRISM MTG		EA	6
18	9	XBDZZ		NT2-71A	89905	.MOUNT, PRISM		EA	1
18	10	XBDZZ		D1N553-2X2-5	89905	.SETSCREW PRISM MTG		EA	1
18	11	PADDZ	6675-00-378-9410	NT2-67	89905	.PRISM, VERTICAL	CRS	EA	2
18	12	XBDZZ		QQB613	81348	.BRASS STRIP		EA	1
18	13	PADZZ	6675-00-378-9408	NT2-65	89905	.PRISM, VERTICAL		EA	1
18	14	PADZZ	6675-00-378-9407	NT2-64	89905	.PRISM, VERTICAL		EA	1
18	15	XBDZZ		NT2-66	89905	.COVER, VERTICAL READING PRISM		EA	1
18	16	XBDZZ		D1N85-2-6X4-5	89905	.SCREW, MACHINE PRISM COVER MTG		EA	2
18	17	XBDZZ		NT2-69	89905	.COVER, VERTICAL LEVEL VIAL	CRS	EA	1
18	18	XBDDZ		NT2-63-68ABC	89905	.LEVEL ASSEMBLY CIRCULAR		EA	1
18	19	XADZZ		NT2-68ABC	89905	.CAP, END		EA	2
18	20	XBDZZ	6675-00-353-4093	NT2-63	89905	.LEVEL ASSEMBLY		EA	1
18	21	XBDZZ		WN24-140-4X50	89905	.AXIS, MIRROR		EA	1
18	22	XBDZZ	6675-00-487-3621	NT2-74A	89905	.MIRROR, ILLUMINATION		EA	1
18	23	XBDZZ		D1N553-2X8	89905	.SETSCREW MIRROR AXIS		EA	2
18	24	XBDZZ		WN21-570-35-2-6X5	89905	.SCREW, MACHINE COLLIMATION LEVEL LEVER		EA	3
18	25	XBDZZ		WN21-580-20-4X3-5	89905	.SCREW, MACHINE COLLIMATION LEVEL LEVER		EA	1
18	26	XBDZZ		NT2-62	89905	.HOUSING, LEVEL READING PRISM		EA	1
18	27	PADZZ	6675-00-378-9413	NT2-70	89905	.PRISM, VERTICAL	CRS	EA	1
18	28	XBDZZ		WN21-600-6-2-6X8-5	89905	.SCREW, MACHINE PRISM MOUNT		EA	2

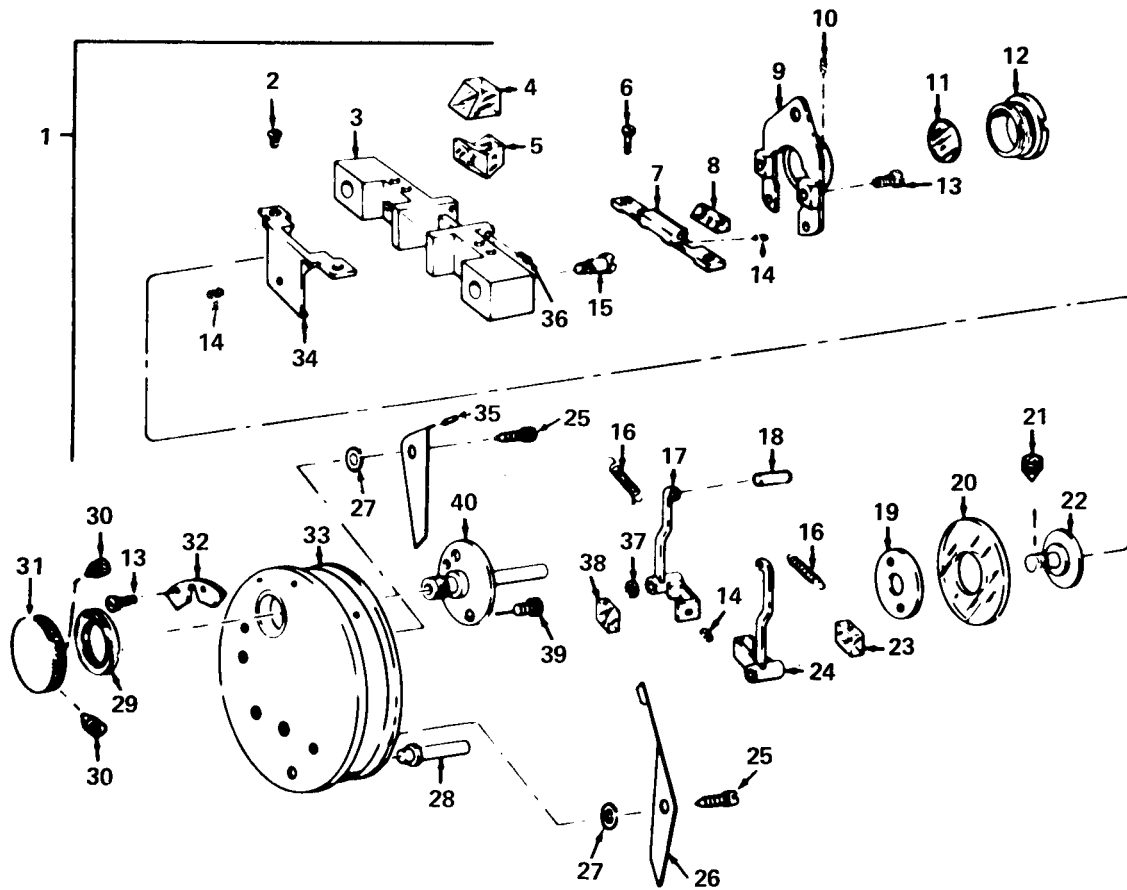


Figure 19. Reading Micrometer Assembly

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	U/M QTY INC IN UNIT
19		XBDDZ		XT21-318-68	89905	READING MICROMETER ASSEMBLY		EA 1
19	1	XBDDZ		T21-54000	89905	.MICROMETER ASSEMBLY		EA 1
19	2	XBDZZ		WN21-630-21-2X3-5	89905	..SCREW, MACHINE COVER PLATE		EA 2
19	3	XBDZZ		T21-174	89905	..MOUNT, PRISM		EA 1
19	4	XBDZZ		T21-175TF	89905	..PRISM OPTICAL INSTRUMENT TELESCOPE		EA 1
19	5	XBDZZ		T21-413A	89905	..PRISM	CRS	EA 1
19	6	XBDZZ		D1N63-2X4	89905	..SCREW KNOB STOP		EA 2
19	7	XBDZZ		T21-180	89905	..MOUNT, PRISM		EA 1
19	8	XBDZZ		NT2-97T	89905	..PRISM, INDEX		EA 1
19	9	XBDZZ		T21-177	89905	..PLATE, LENS		EA 1
19	10	XBDZZ		D1N551-1-7X2	89905	..SETSCREW PRISM MTG		EA 5
19	11	PADZZ	6675-00-378-9453	T2-18	89905	..LENS		EA 1
19	12	ZBDZZ		T21-178	89905	..LOCKING LENS PLATE		EA 1
19	13	XBDZZ		D1N84-2-6X6	89905	..SCREW, MACHINE LENS PLATE MOUNTING		EA 2
19	14	XBDZZ		WN21-500-1-1-7X1	89905	..SETSCREW ARM MTG		EA 3
19	15	XBDZZ		WN21-551-12-3X7-8	89905	..SCREW		EA 2
19	16	PADZZ	6675-00-378-9420	NT2-80A	89905	..SPRING, AXIS BEARING LEVER		EA 2
19	17	XBDZZ		T21-185	89905	..LEVER, LEFT		EA 1
19	18	XBDZZ		T21-187	89905	..PIN LEVER		EA 2
19	19	XBDZZ		NT2-89	89905	..HOUSING, AXIS		EA 1
19	20	XBDZZ		T21-192TB	89905	..CIRCLE, MICROMETER		EA 1
19	21	XBDZZ		WN21-500-2-1-7X1-35	89905	..SETSCREW PRISM AND CIRCLE MTG		EA 1
19	22	XBDZZ		T21-173	89905	..MOUNT, CIRCLE		EA 1
19	23	XBDZZ		T21-224	89905	..PRISM		EA 1
19	24	XBDZZ		T21-186	89905	..LEVER, RIGHT		EA 1
19	25	XBDZZ		T21-198	89905	..SCREW, PIN		EA 2
19	26	XBDZZ		T21-196A	89905	..BRAKE, LEFT		EA 1
19	27	XBDZZ		T2-520AC	89905	..WASHER LEVER MTG PIN		EA 4
19	28	XBDZZ		T21-188	89905	..PIN, BEARING		EA 2
19	29	XBDZZ		T21-191	89905	..RING, STOP		EA 1
19	30	XBDZZ	5305-00-378-9538	D1N553-2X2	89905	..SETSCREW KNOB AND STOP RING MOUNTING		EA 4
19	31	XBDZZ		T21-190A	89905	..KNOB, CONTROL		EA 1
19	32	XBDZZ		T21-189	89905	..PLATE, STOP		EA 1
19	33	XBDZZ		T21-171	89905	..PLATE, COVER		EA 1
19	34	XBDZZ		T21-179	89905	..PLATE, COVER		EA 1
19	35	XBDZZ		T21-197A	89905	..BRAKE, RIGHT		EA 1
19	36	XBDZZ		D1N553-1-7X2-5	89905	..SETSCREW PRISM HOUSING	CRS	EA 3

SECTION II						TMS-6675-296-24P			
(1)	(2)	(3)	(4)	(5)	(6)			(7)	(8)
ILLUSTRATION					DESCRIPTION				QTY
(A)	(B)	FEDERAL							INC
FIG	ITEM	SMR	STOCK	PART					IN
NO	NO	CODE	NUMBER	NUMBER	FSCM	USABLE ON CODE		U/M	UNIT
19	37	XBDZZ		NT2-254AC	89905			EA	1
19	38	XBDZZ		T21-225	89905			EA	1
19	39	XBDZZ		WN21-570-26-2X5	89905			EA	2
19	40	XBDZZ		T21-172	89905			EA	1

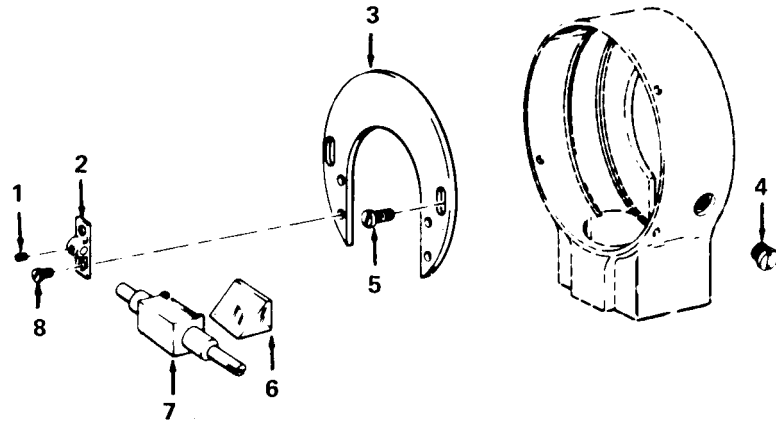


Figure 20. Reading Micrometer

SECTION II						TM5-6675-296-24P			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		
ILLUSTRATION					DESCRIPTION		QTY		
(A)	(B)	FEDERAL					INC		
FIG	ITEM	SMR	STOCK	PART			IN		
NO	NO	CODE	NUMBER	NUMBER	FSCM	USABLE ON CODE	U/M	UNIT	
20	1	XBDZZ		WN21-500-1-1-7X1	89905			EA	2
20	2	XBDZZ		NT2-83A	89905			EA	2
20	3	XDBZZ		NT2-82	89905	CRS		EA	1
20	4	XBDZZ		CB1-6X10-5X2-5	89905			EA	1
20	5	XBDZZ		D1N84-2-6X4	89905	CRS		EA	2
20	6	PAOZZ	6675-00-378-9424	NT2-85	89905			EA	1
20	7	XDDZZ	6675-00-378-9423	NT2-84	89905			EA	1
20	8	XAOZZ		D1N84-2X3	89905			EA	4

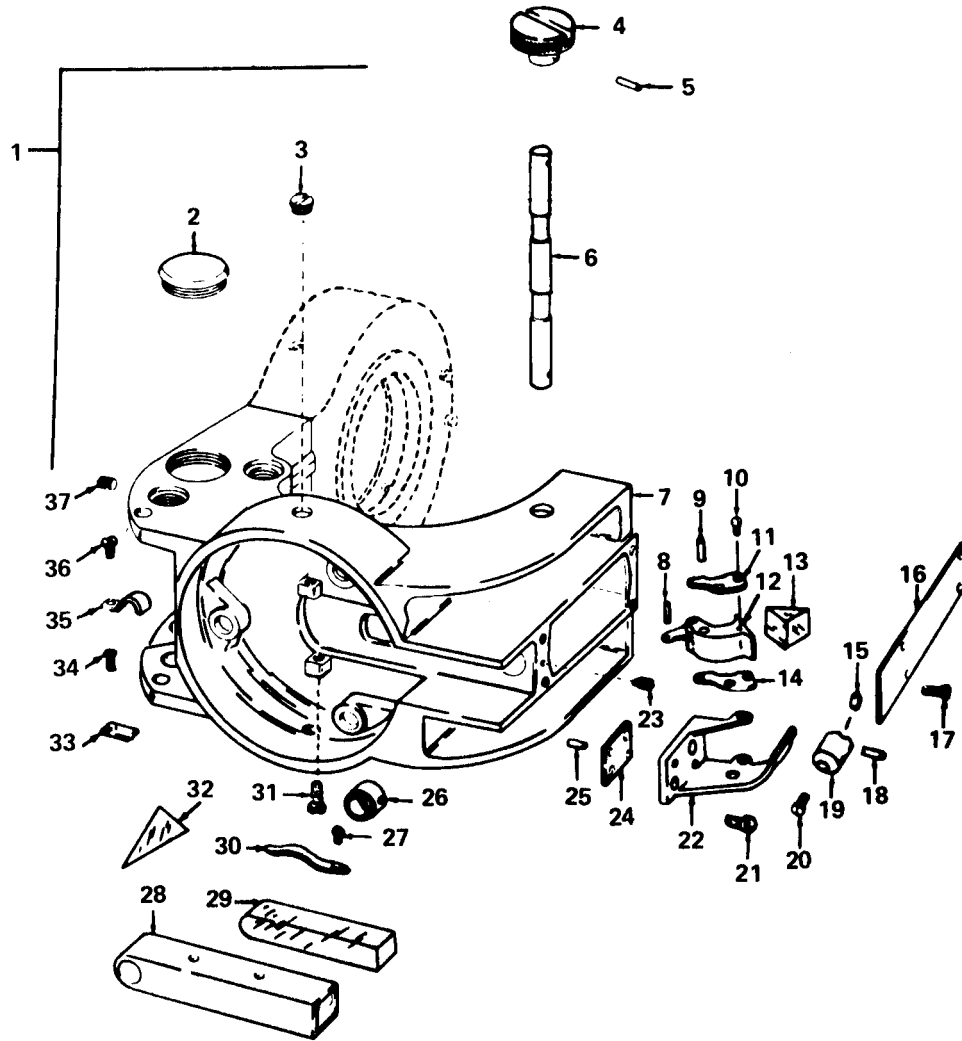


Figure 21. U-Standard Assembly

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
21	1	XBDDZ		XT21-107-68	89905	U-STANDARD ASSEMBLY		EA 1
21	2	XBDZZ		NT2-18	89905	.COVER,ALIDADE		EA 2
21	3	XBDZZ		WN21-572-19-6X0-5X2-5	89905	.SCREW,ALIDADE		EA 2
21	4	XBDZZ		NT2-10C	89905	.KNOB, AXLE		EA 2
21	5	XBDZZ		NT2-457	89905	.PIN,SWITCHOVER		EA 1
21	6	XBDZZ		NT2-9B	89905	.AXIS,ALIDADE		EA 1
21	7	XBDZZ		T21-121GE	89905	.U-STANDARD		EA 1
21	8	XBDZZ		NT2-456	89905	.PIN,SWITCHOVER		EA 1
21	9	XBDZZ		NT2-458	89905	.PIN,SWITCHOVER		EA 1
21	10	XBDZZ		D1N64-2X4	89905	.SCREW,MACHINE OPTICAL PLUMBING DEVICE		EA 4
21	11	XBDZZ		NT2-445	89905	.PLATE,PRISM		EA 1
21	12	XBDZZ		NT2-7C	89905	.HOUSING,PRISM		EA 1
21	13	PADZZ	6675-00-378-9405	NT2-6	89905	.PRISM ALIDADE	CRS	EA 1
21	14	XBDZZ		NT2-446	89905	.PLATE,PRISM		EA 1
21	15	XBDZZ		NT2-447	89905	.LEVER,SWITCHOVER		EA 1
21	16	BDZZ		T21-122G	89905	.PLATE,COVER		EA 1
21	17	XBDZZ		D1N84-2-6X4	89905	.SCREW,MACHINE AXLE BEARING AND MICROMETER		EA 2
21	18	XBDZZ		WN24-120-1-5X7	89905	.PIN LEVER		EA 2
21	19	XBDZZ		NT2-448	89905	.BOLT LEVER PIN		EA 1
21	20	XBDZZ		D1N91-1-7X5	89905	.SCREW LEVER BOLT		EA 1
21	21	XBDZZ		D1N91-2-6X4	89905	.SCREW,MACHINE BEARING SLEEVE		EA 4
21	22	XBDZZ		NT2-11E	89905	.BEARING,SLEEVE		EA 1
21	23	XBDZZ		D1N926-2X1-6X1	89905	.SCREW,MACHINE ALIDADE PRISM		EA 1
21	24	XBDZZ		NT2-250C	89905	.WASHER		EA 1
21	25	XBDZZ		WN24-140-1-5X4	89905	.PIN		EA 2
21	26	XDDZZ	6675-00-378-9379	NT2-443	89905	.BEARING,ALICADE		EA 1
21	27	XBDZZ		WN21-630-22-2X3-8	89905	.SCREW ALIDADE SPRING		EA 1
21	28	PADZZ	6675-00-378-9378	NT2-442	8905	.MOUNT,ALIDADE		EA 1
21	29	PADZZ	6675-00-378-9377	NT2-441	89905	.PRISM,ALIDADE AXLE BEARING AND MICROMETER		EA 1
21	30	PADZZ	6675-00-378-9380	NT2-444A	89905	.SPRING,FLAT ALICADE		EA 1
21	31	XBDZZ		WN21-550-100-3X1 C	89905	.SCREW		EA 2
21	32	XBDZZ		T21-123	89905	.PRISM,METAL HOUSING BRACKET		EA 1
21	33	XBDZZ		T2-665A	89905	.SLEEVE,CABLE OPTICAL PLUMBING		EA 1
21	34	XBDZZ		D1N63-2X4	89905	.SCREW,MACHINE OPTICAL PLUMBING SLEEVE		EA 1
21	35	XBDZZ		NT2-253	89905	.SLEEVE,CABLE		EA 1
21	36	XBDZZ		WN21-630-22-2X3-8	89905	.SCREW,MACHINE CABLE SLEEVE		EA 1
21	37	XBDZZ		D1N553-2X4	89905	.SCREW,MACHINE HORIZONTAL CIRCLE AND AXIS		EA 1

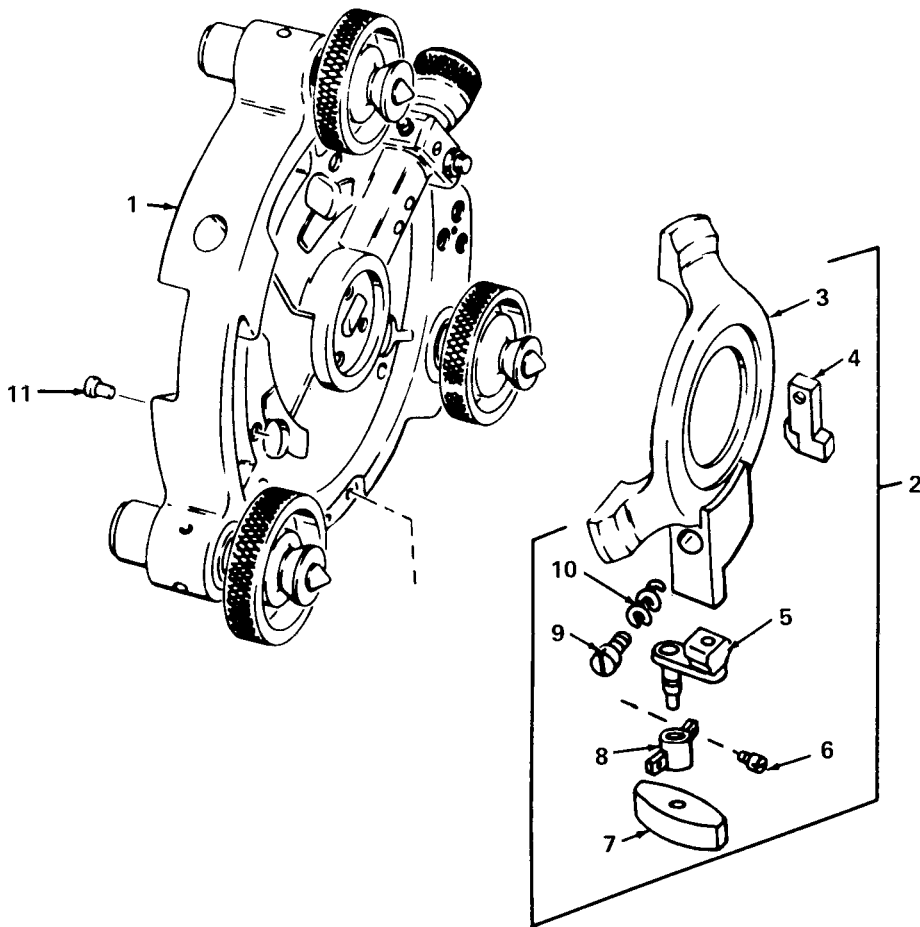


Figure 22. Tribrach Assembly

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)		(7)	(8)
FIG NO	ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 08 TRIERACH ASSEMBLY HORIZONTAL CLAMP, HORIZONTAL CIRCLE BASE PLATE AND MOTION SCREW ASSEMBLY			
22	1	XBDZ	6675-00-065-8527	T21-2A59MIL	89905	TRIBACH ASSEMBLY	CRS	EA	1
22	2	XBDZ		GDF2-001000	89905	.PLATE, LOCKING		EA	1
22	3	XADZ		GDF2-001100	89905	..PLATE, LOCK		EA	1
22	4	XADZ		GDF2-001030	89905	..STOP		EA	1
22	5	XADZ		GDF2-002020	89905	..LEVER, LOCKING		EA	1
22	6	XBDZ		WN21-550-66-2-6X 7-3	89905	..SCREW, MACHINE		EA	2
22	7	XBDZ		GDF2-002000-68	89905	..LOCKING KNOB		EA	1
22	8	XADZ		GDF2-002010	89905	..BEARING LOCKING LEVER		EA	1
22	9	XADZ		WN21-561-8-4X9-5	89905	..SCREW, MACHINE LOCK PLATE SPRING		EA	1
22	10	XBDZ		GDF1-001040	89905	..SPRING LOCK PLATE		EA	1
22	11	XADZ		T1-20	89905	..RIVET TRIERACH		EA	3

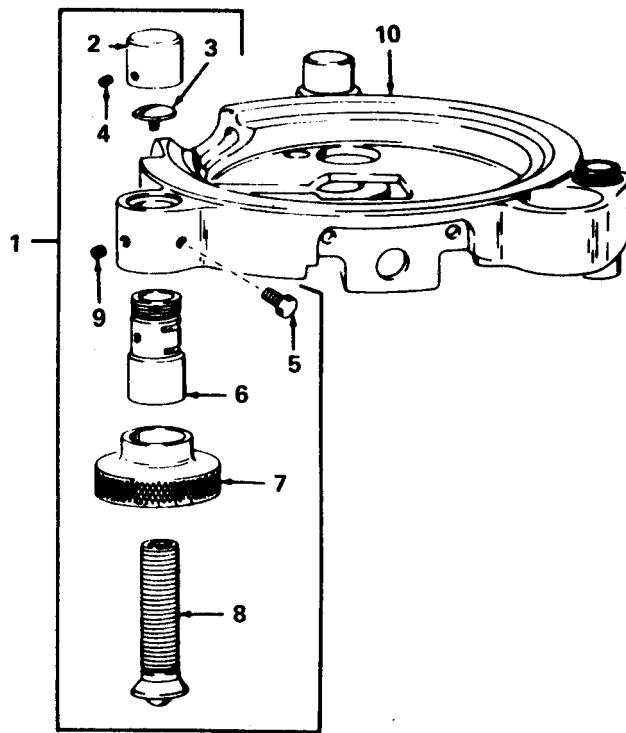


Figure 23. Leveling Screw Assembly

SECTION II		TMS-6675-296-24P					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTRATION							QTY
(A)	(B)	FEDERAL			DESCRIPTION		INC
FIG	ITEM	SMR	STOCK	PART		USABLE ON CODE	IN
NO	NO	CODE	NUMBER	NUMBER	FSCM		UNIT
23	1	PADDZ	5305-00-126-5373	T21-47000-68	89905	.LEVELING SCREW	EA 3
23	2	XBDZZ		T1A39080	89905	..COVER,DUST	EA 1
23	3	XADZZ		T1A27100	89905	..SCREW	EA 1
23	4	XBDZZ		WN21-550-24-2X1-5	89905	..SCREW,MACHINE DUST COVER	EA 1
23	5	XBDZZ		WN21-600-10-3X5-5	89905	..SCREW,ADJUSTING	EA 3
23	6	XADZZ		T1A27030	89905	..NUT ADJUSTABLE	EA 1
23	7	XADZZ		NA2-02030	89905	..KNOB,MILLED	EA 1
23	8	XADZZ		T1A27200	89905	..SCREW LEVELING	EA 1
23	9	XBDZZ		D1N553-3X4	89905	..SETSCREW TIRBRACH	EA 3
23	10	XBDZZ	6675-00-966-5773	XT21-103-68	89905	.TRIBACH BASE	EA 1

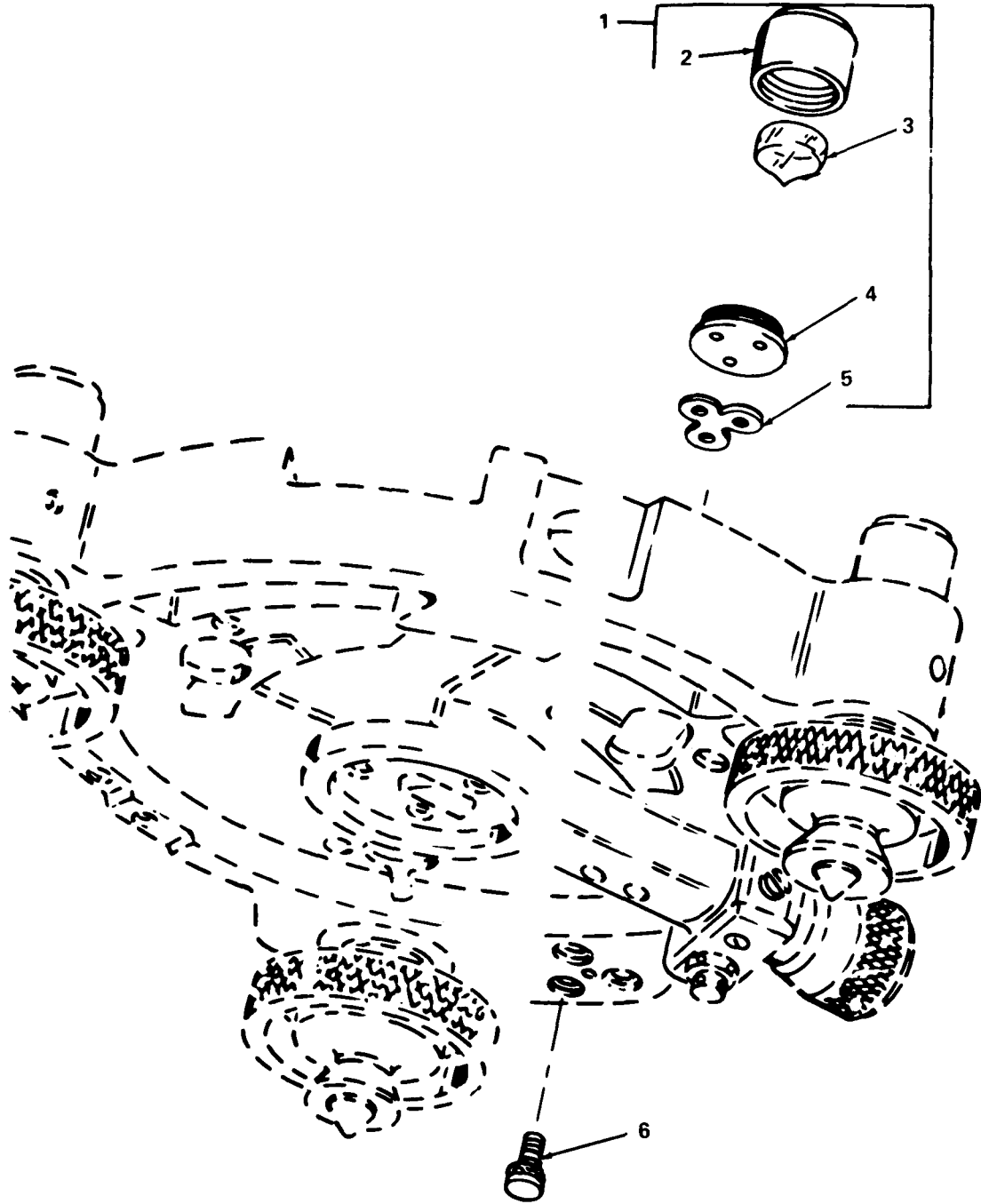


Figure 24. Circle Level Assembly

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
24	1	PADDZ	6675-00-127-2856	NK01-05001T2-68	89905	.CIRCLE LEVEL	CRS	EA 1
24	2	XADZZ		NK01-05020	89905	..HOUSING, LEVEL		EA 1
24	3	XADZZ		T21-232A	89905	..VIAL, LEVEL, CIRCLE		EA 1
24	4	XADZZ		NK01-05010	89905	..BASE, LEVEL		EA 1
24	5	XADZZ		T1A39070	89905	..WASHER, SPRING		EA 1
24	6	XADZZ		D1N84-3X7	89905	.SCREW, MACHINE		EA 3

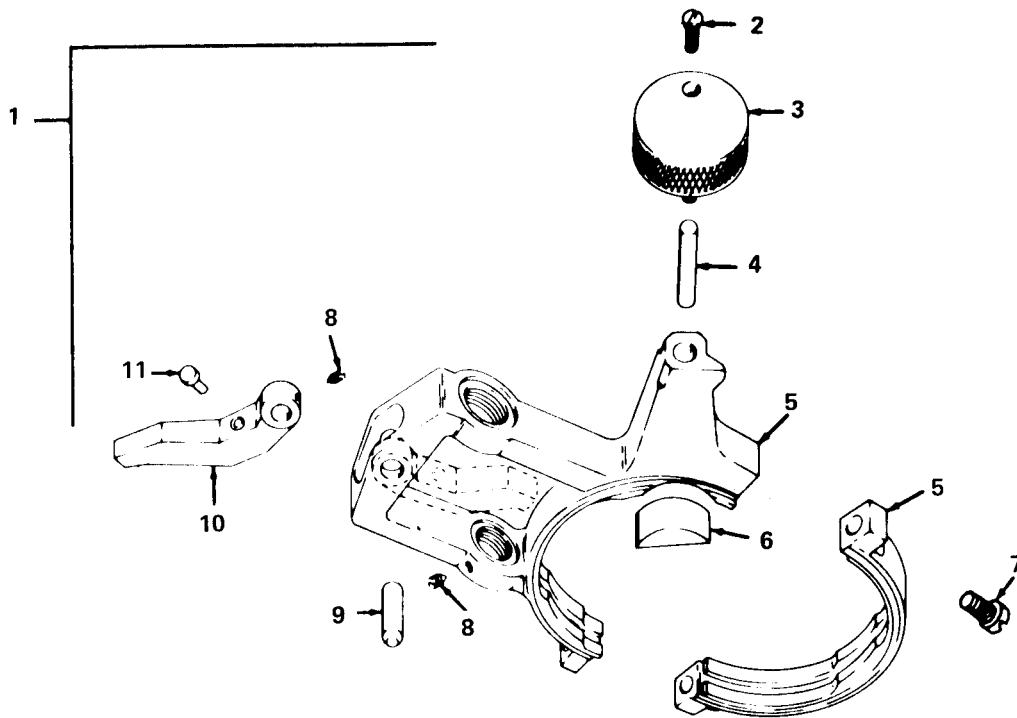


Figure 25. Horizontal Clamp Assembly

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
25	1	XBDDZ	6675-00-454-8232	XT21-311-68	89905	.HORIZONTAL CLAMP		EA 1
25	2	XBDZZ		D1N91-2X5	89905	..SCREW,MACHINE KNOB ATTACHING		EA 1
25	3	XBDZZ		T2-105A	89905	..KNOB,CLAMP HORIZONTAL CLAMP		EA 1
25	4	PADZZ	5306-00-378-9355	NT2-224	89905	..BOLT,HORIZONTAL JAW LOCKING		EA 1
25	5	XBDZZ		NT2-222F	89905	..CLAMP ASSEMBLY		EA 1
25	6	PADZZ	6675-00-378-9354	NT2-223A	89905	..JAW HORIZONTAL CLAMP		EA 1
25	7	XBDZZ		WN21-570-65-4X9-3	89905	..SCREW,MACHINE CLAMP MRG		EA 1
25	8	XBDZZ	5305-00-378-9538	D1N553-2X2	89905	..SETScrew SLOW MOTION SCREW		EA 1
25	9	XBDZZ		WN24-140-4X10	89905	..PIN LEVE AXLE		EA 1
25	10	XBDZZ		NT2-225A	89905	..LEVER HORIZONTAL CLAMP		EA 1
25	11	XBDZZ		T2-108	89905	..CAP,BEARING HORIZONTAL CLAMP		EA 1

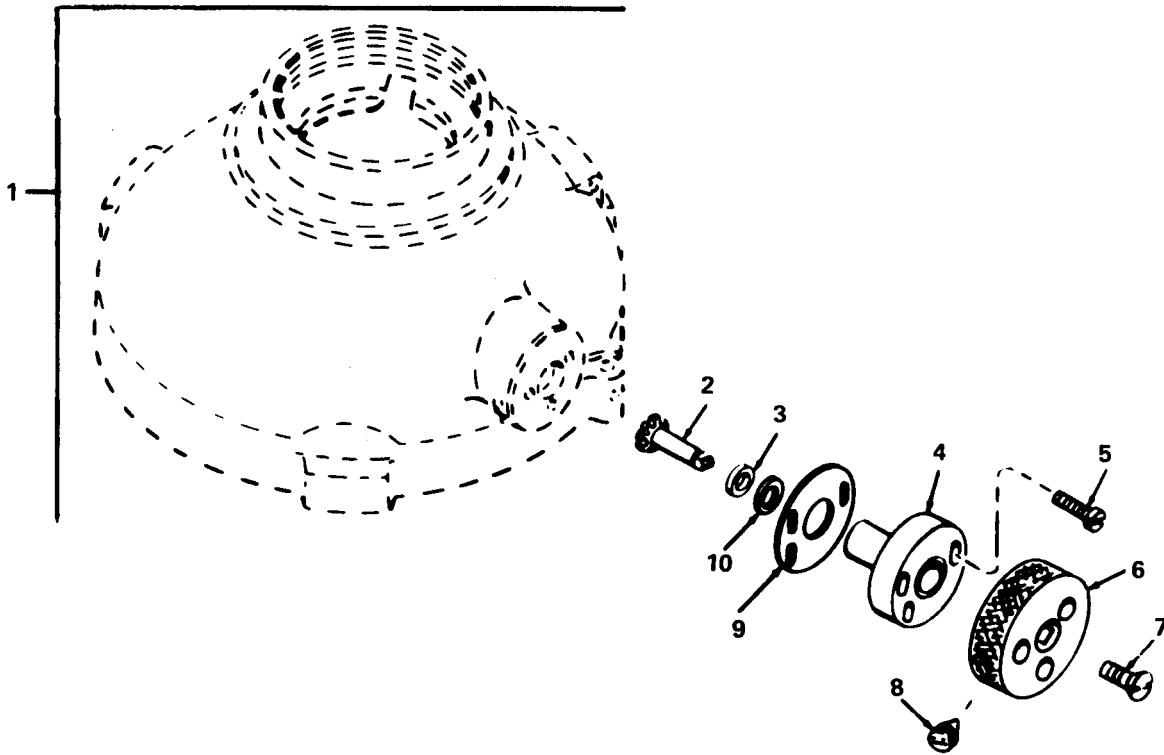


Figure 26. Horizontal Circle Drive Assembly

SECTION II						TMS-6675-296-24P			
(1)	(2)	(3)	(4)	(5)	(6)			(7)	(8)
ILLUSTRATION					DESCRIPTION				QTY
(A)	(B)	FEDERAL							INC
FIG	ITEM	SMR	STOCK	PART					IN
NO	NO	CODE	NUMBER	NUMBER	FSCM	USABLE ON CODE	U/M		UNIT
26	1	XBDZZ		XT21-307-68	89905			EA	1
26	2	XBDZZ		T21-79B	89905			EA	1
26	3	XBDZZ		T21-78	89905			EA	1
26	4	XBDZZ		T21-77A	89905			EA	1
26	5	XBDZZ		D1N84-2X6	89905			EA	3
26	6	XBDZZ		T21-80A	89905			EA	1
26	7	XBDZZ		T2-99A	89905			EA	1
26	8	XBDZZ	5305-00-378-9538	D1N553-2X2	89905			EA	1
26	9	XBDZZ		T21-95	89905			EA	1
26	10	XBDZZ		T21-96	89905			EA	2

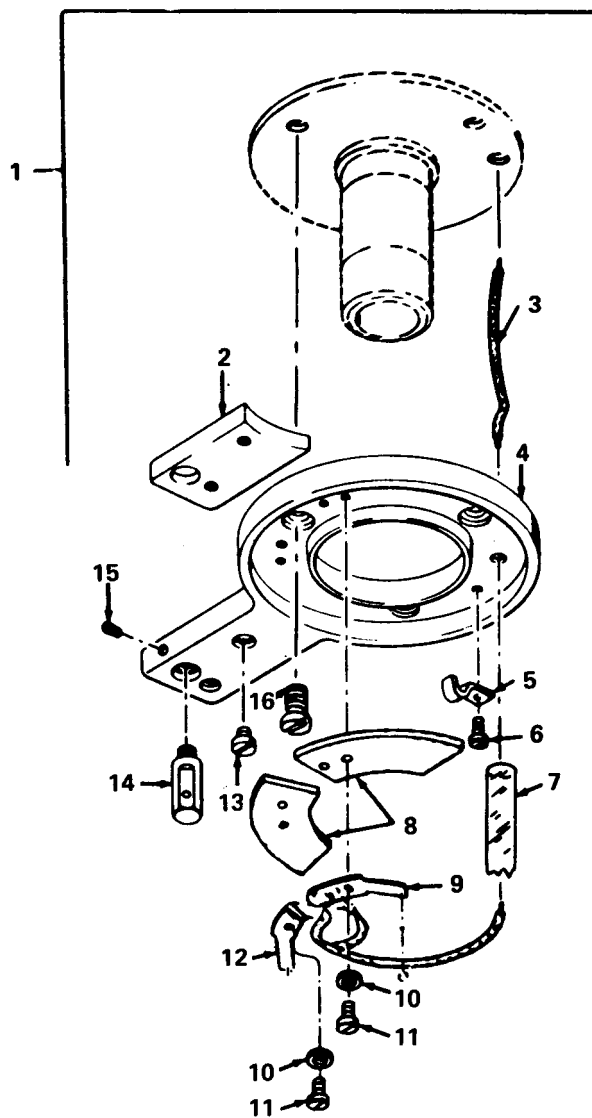


Figure 27. Connector and Flange Assembly

SECTION II						TMS-6675-296-24P			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		
ILLUSTRATION					DESCRIPTION		QTY	INC	
(A)	(B)	FEDERAL	PART	FSCM		USABLE ON CODE	U/M	IN	
FIG	ITEM	STOCK	NUMBER					UNIT	
NO	NO	NUMBER							
27	1	XBDDZ		T21-19000	89905	CONNECTOR AND FLANGE ASSEMBLY		EA	1
27	2	XBDZZ		T21-106A	89905	.PLATE CONNECTING TO U-STANDARD		EA	1
27	3	XBDZZ		HED1-293-03	89905	.CABLE,ELECTRIC VERTICAL CIRCLE ILLUMINATION		EA	1
27	4	XBDZZ		T21-101A	89905	.FLANGE,CONNECTING U-STANDARD		EA	1
27	5	XBDZZ		T2-665A	89905	.SLEEVE,CABLE OPTICAL PLUMBING DEVICE		EA	1
27	6	XBDZZ		WN21-570-18-2X2-5	89905	.SCREW,MACHINE HORIZONTAL BASE,SLEEVE MTG		EA	1
27	7	XBDZZ		HE11-62-9	89905	.INSULATION VERTICAL CIRCLE CABLE ILLUMINATION		EA	1
27	8	XBDZZ		NT2-13A	89905	.PLATE,INSULATION ALIDADE		EA	2
27	9	XBDZZ		NT2-14C	89905	.SPRING,CONTACT FLANGE		EA	1
27	10	PADZZ	5970-00-378-9344	NT2-19	89905	.INSULATION HORIZONTAL BASE,CONTACT		EA	4
27	11	XBDZZ		D1N63-2X4	89905	.SCREW,MACHINE CONTACT MTG		EA	4
27	12	XBDZZ		NT2-15C	89905	.SPRING,CONTACT FLANGE		EA	1
27	13	XBDZZ		D1N85-3X6	89905	.SCREW,MACHINE FLANGE MTG		EA	2
27	14	XBDZZ		T2-106	89905	.SCREW,MACHINE ALIDADE CONNECTION		EA	1
27	15	XBDZZ		D1N553-2X4	89905	.SETSCREW HORIZONTAL CIRCLE AND AXLE		EA	1

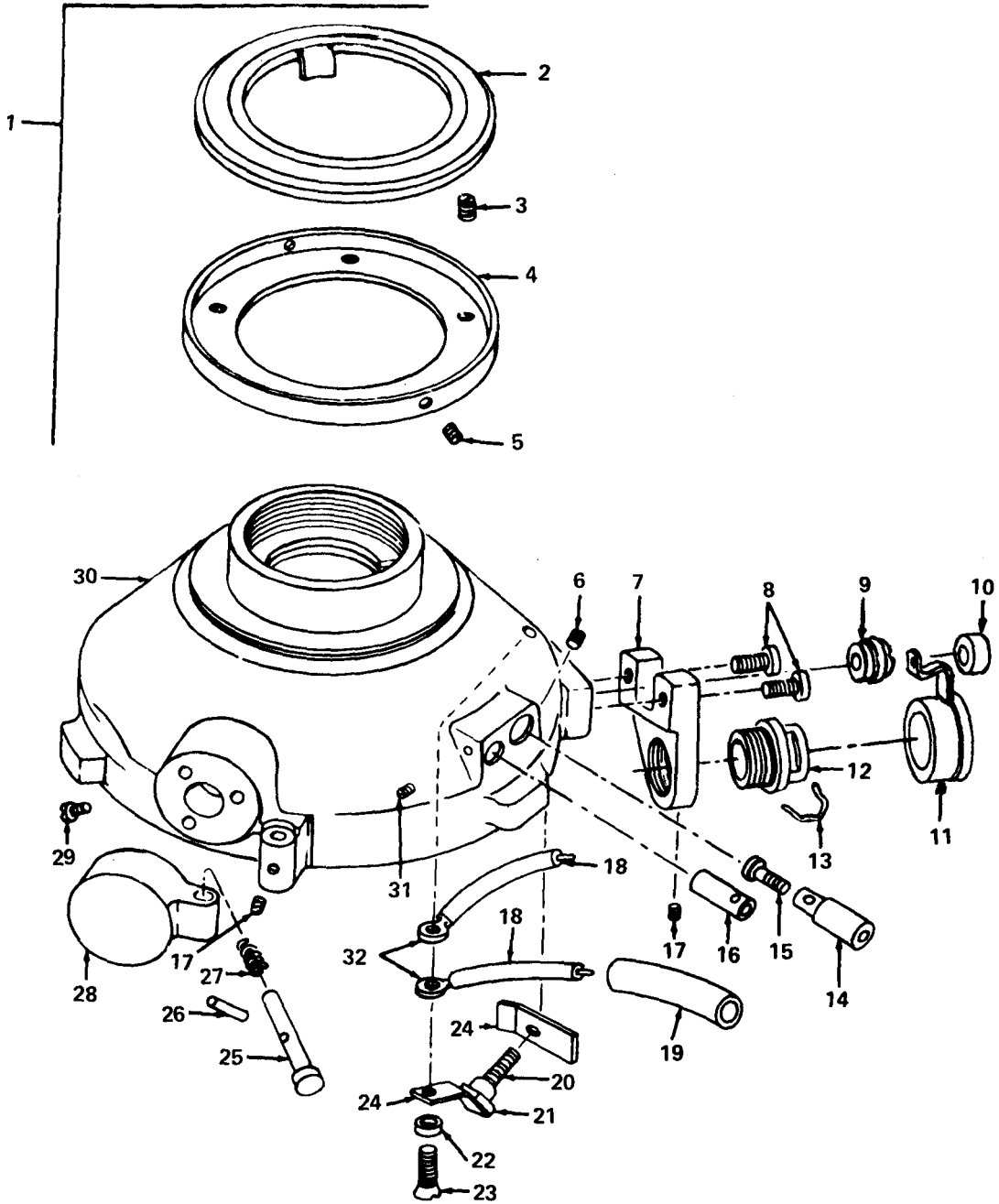


Figure 28. Horizontal Base Assembly

SECTION II						TMS-6675-296-24P			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		
ILLUSTRATION									
(A)	(B)	FEDERAL	PART	FSCM	DESCRIPTION	USABLE ON CODE	U/M	QTY	INC
FIG	ITEM	STOCK	NUMBER					IN	UNIT
NO	NO	NUMBER							
28	1	XBDDZ	XT21-306-68	89905	HORIZONTAL BASE		EA	1	
28	2	XBDZZ	NT2-190F	89905	.CONTACT ASSEMBLY HORIZONTAL CIRCLE		EA	1	
28	3	XBDZZ	WN21-500-2-1-7X1-35	89905	.SETSCREW BASE RING MTG		EA	1	
28	4	XBDZZ	T21-94	89905	.LOCKING CLAMP CONTACT RING		EA	1	
28	5	XBDZZ	D1N553-1-7X2	89905	.SETSCREW HORIZONTAL BASE RING MOUNTING		EA	2	
28	6	XBDZZ	5305-00-378-9538 D1N553-2X2	89905	.SETSCREW HORIZONTAL BASE PLUG LOCKING		EA	1	
28	7	XBDZZ	T21-64	89905	.ILLUMINATION SOCKET		EA	1	
28	8	XBDZZ	D1N85-3X6	89905	.SCREW,MACHINE SLEEVE MTG		EA	2	
28	9	XBDZZ	T2-655	89905	.NUT BASE CONTACT		EA	1	
28	10	XBDZZ	D1N546M2-6	89905	.NUT CONTACT MTG		EA	1	
28	11	XBDZZ	T2-601A	89905	.CONTACT,ELECTRICAL HORIZONTAL CIRCLE		EA	1	
28	12	XBDZZ	T21-65	89905	.BUSHING ILLUMINATION SOCKET		EA	1	
28	13	XBDZZ	FOKA02031	89905	.SPRING EYEPIECE AND BRUSH		EA	2	
28	14	XBDZZ	T21-68	89905	.PLUG POWER INPUT		EA	1	
28	15	XBDZZ	D1N84-2X6	89905	.SCREW,MACHINE CONTACT		EA	1	
28	16	XBDZZ	T21-66	89905	.CONTACT,HORIZONTAL		EA	1	
28	17	XBDZZ	D1N553-2X3	89905	.SETSCREW OPTICAL PLUMBING DEVICE SLEEVE,SLEEVE BUSHING		EA	1	
28	18	XBDZZ	HED1-293-03	89905	.CABLE,ELECTRIC HORIZONTAL CIRCLE ILLUMINATION		EA	2	
28	19	XBDZZ	HE11-25-4	89905	.INSULATION,TUBE HORIZONTAL CIRCLE CABLE		EA	1	
28	20	XBDZZ	T21-72S	89905	.CONTACT ASSEMBLY HORIZONTAL CIRCLE ILLUMINATION		EA	1	
28	21	XBDZZ	T21-73	89905	.INSULATION HORIZONTAL ILLUMINATION CONTACT		EA	1	
28	22	XBDZZ	T21-74	89905	.SOCKET HORIZONTAL CIRCLE ILLUMINATION		EA	1	
28	23	XBDZZ	D1N63-2X4-5	89905	.SCREW,MACHINE CONTACT MTG		EA	1	
28	24	XBDZZ	T21-69	89905	.INSULATION HORIZONTAL ILLUMINATION CONTACT		EA	1	
28	25	XBDZZ	T21-63A	89905	.AXIS,DRIVE,CIRCLE		EA	1	
28	26	XBDZZ	WN24-140-1X6	89905	.PIN COVER AXLE		EA	1	
28	27	XBDZZ	T21-75	89905	.COMPRESSION SPRING HORIZONTAL CIRCLE DRIVE COVER		EA	1	
28	28	XBDZZ	T21-62	89905	.COVER,DRIVE CIRCLE		EA	1	
28	29	XBDZZ	WN21-550-41-2X4	89905	.SCREW,MACHINE COVER STOP		EA	1	
28	30	XBDZZ	T21-61	89905	.BASE,HORIZONTAL		EA	1	
28	31	XBDZZ	D1N553-2X1-8	89905	.SETSCREW CONTACT LOCKING		EA	1	
28	32	XDDZZ	5940-00-378-9346 NT2-20	89905	.CLIP,CABLE HORIZONTAL CIRCLE ILLUMINATION		EA	2	

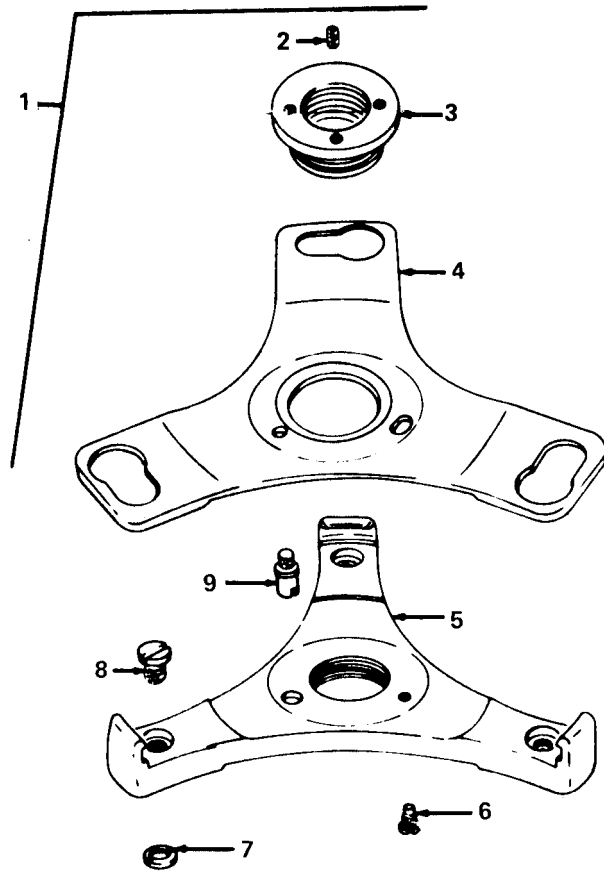


Figure 29. Base Plate Assembly

SECTION II						TMS-6675-296-24P			
(1)	(2)	(3)	(4)	(5)	(6)			(7)	(8)
ILLUSTRATION					DESCRIPTION				QTY
(A)	(B)	FEDERAL							INC
FIG	ITEM	STOCK	PART	FSCM		USABLE ON CODE	U/M		IN
NO	NO	NUMBER	NUMBER						UNIT
29	1	XBDZ		T21-48000-68	89905	BASE PLATE ASSEMBLY TRIPOD		EA	1
29	2	XBDZZ		D1N553-2X6	89905	.SETSCREW LOCKNUT		EA	1
29	3	XBDZZ		T21-241	89905	.NUT,CENTER		EA	1
29	4	XBDZZ		NT2-152	89905	.PLATE,SPRING		EA	1
29	5	XBDZZ		NT2-151B	89905	.PLATE,BASE		EA	1
29	6	PADZZ	5305-00-358-4088	NT2-154	89905	.SCREW,LOCK SPRING PLATE TO PLATE		EA	1
29	7	XBDZZ		NT3-324	89905	.NUT,LOCK BASE PLATE		EA	1
29	8	PADZZ	6675-00-378-9440	NT3-323	89905	.PAD,LEVELING,SCREW BASE PLATE	CRS	EA	1
29	9	XBDZZ		WN21-565-10-4X3X 3	89905	.SCREW,MACHINE BASE PLATE		EA	1

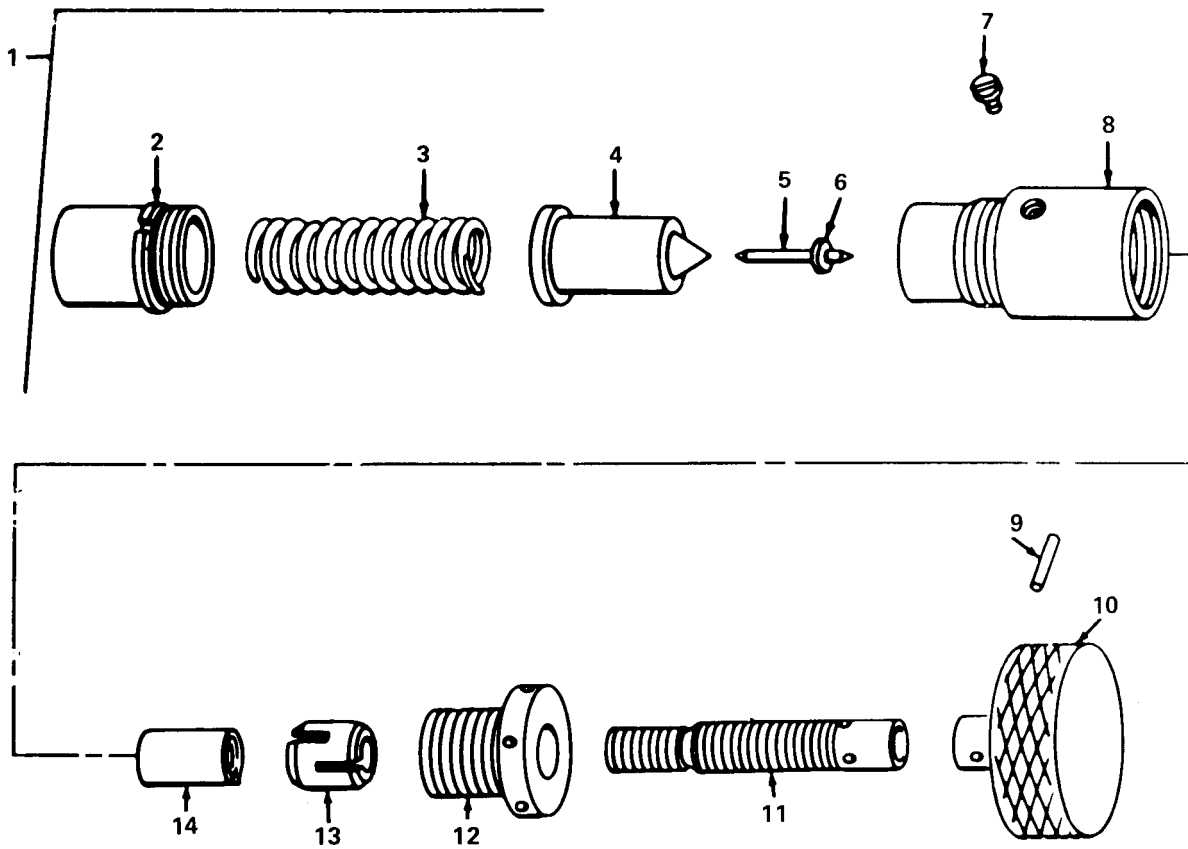


Figure 30. Horizontal Slow Motion Screw Assembly

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
30	1	XBDZZ		XT2-324-68	89905	HORIZONTAL SLOW	CRR	EA 1
30	1	XBDZZ		T21-22000	89905	.HORIZONTAL TANGENT		EA 1
30	2	XBDZZ		T2-147B	89905	.HOUSING, SPRING		EA 1
30	3	XBDZZ		T2-146A	89905	.SPRING		EA 1
30	4	XBDZZ		T2-145A	89905	.BUSHING, SPRING		EA 1
30	5	PADZZ	5315-00-797-8409	T2-799	89905	.PIN		EA 1
30	6	XBDZZ		NT2-236	89905	.LOCKRING		EA 1
30	7	XBDZZ	5305-00-378-9538	D1N553-2X2	89905	.SETSCREW		EA 1
30	8	XBDZZ		NT2-231A	89905	.HOUSING, HORIZONTAL		EA 1
30	9	XBDZZ		WN24-120-1X5	89905	.PIN		EA 1
30	10	XBDZZ		T2-134F	89905	.KNOB		EA 1
30	11	XBDZZ		NT2-238A	89905	.SCREW, ANGENT		EA 1
30	12	XBDZZ		NT2-232A	89905	.KNOB, ADJUSTING		EA 1
30	13	XBDZZ		T2-133	89905	.NUT, ADJUSTING		EA 1
30	14	XBDZZ		NT2-239A	89905	.BUSHING, STOP		EA 1

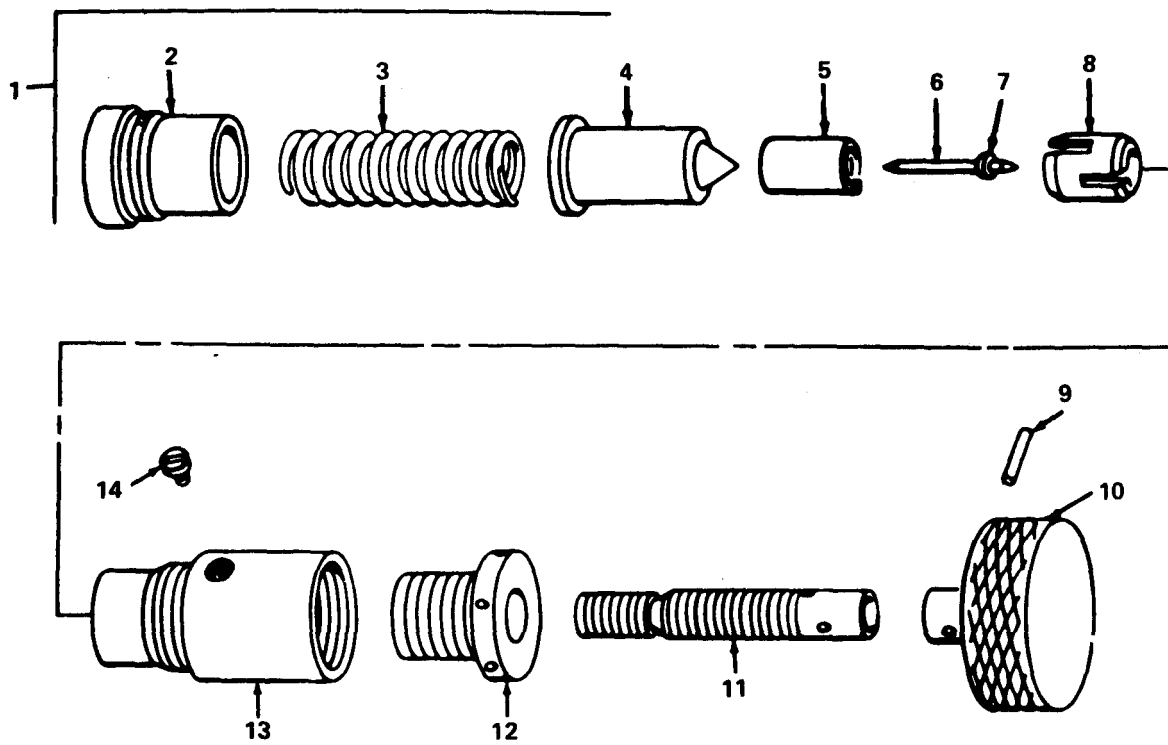


Figure 31. Vertical Slow Motion Screw Assembly

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	(B) ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
31	1	XBDZ		NT2-304-68	89905	VERTICAL SLOW MOTION SCREW ASSEMBLY		EA 1
31	1	XDDZZ	6675-00-454-8239	T21-42000	89905	.VERTICAL TANGENT SCREW ASSEMBLY		EA 1
31	2	XBDZZ		NT2-237A	89905	.SLEEVE		EA 1
31	3	XBDZZ		T2-146A	89905	.SPRING		EA 1
31	4	XBDZZ		T2-145A	89905	.BUSHING, SPRING		EA 1
31	5	XBDZZ		NT2-235B	89905	.BUSHING, STOP		EA 1
31	6	XBDZZ		N2-45A	89905	.POINT, SPINDLE	CRR	EA 1
31	7	XBDZZ		NT2-236	89905	.LOCKING		EA 1
31	8	XBDZZ		T2-133	89905	.NUT, ADJUSTING		EA 1
31	9	XBDZZ		WN24-120-1X5	89905	.PIN TANGENT SCREW KNOB		EA 1
31	10	XBDZZ		T2-134F	89905	.KNOB TANGENT SCREW		EA 1
31	11	XBDZZ		NT2-238A	89905	.SCREW, TANGENT		EA 1
31	12	XBDZZ		NT2-232A	89905	.KNOB, ADJUSTING		EA 1
31	13	XBDZZ		NT2-231A	89905	.HOUSING, SLOW, MOTION		EA 1
31	14	XBDZZ		D1N553-2X3	89905	.SETSCREW		EA 1

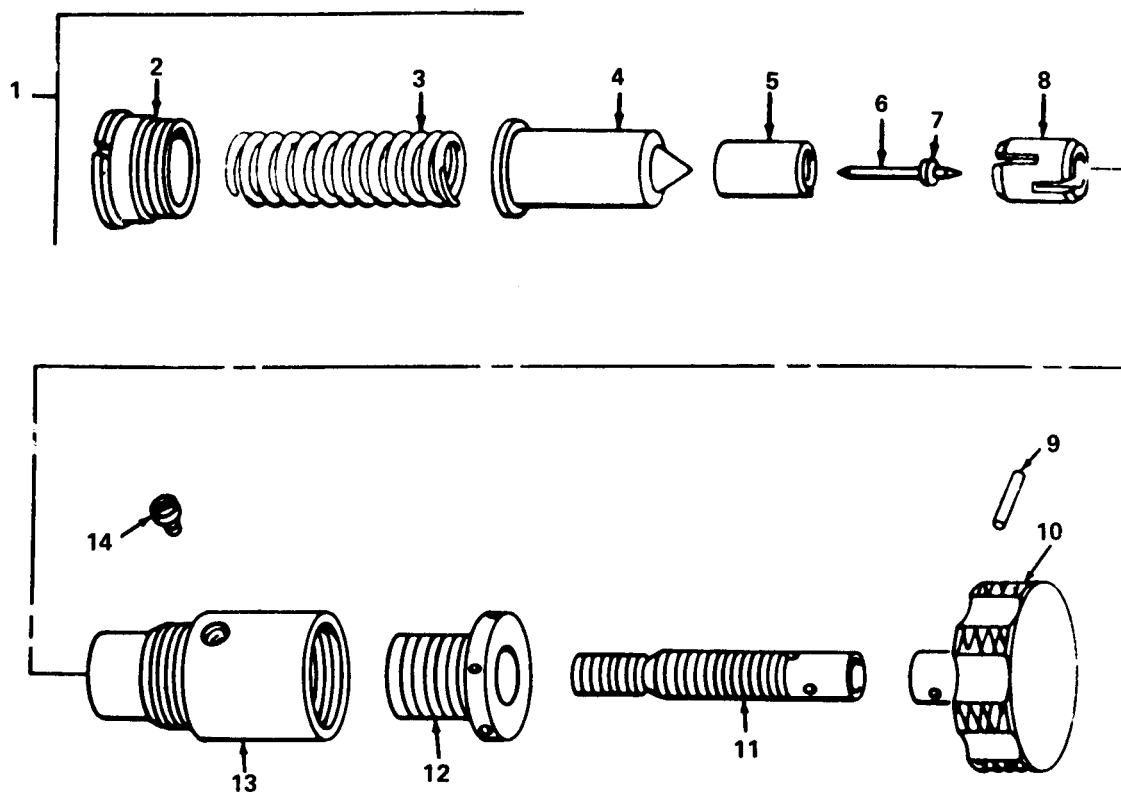


Figure 32. Collimation Slow Motion Screw Assembly

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
32	1	XBDZ		NT2-305-68	89905	COLLIMATION SLOW		EA 1
32	1	XBDZZ	6675-00-454-8240	T21-43000	89905	COLLIMATION TANGENT CONTROL LEVEL		EA 1
32	2	XBDZZ		NT2-234A	89905	.HOUSING, SPRING SLOW MOTION SCREW		EA 1
32	3	XBDZZ		T2-146A	89905	.SPRING		EA 1
32	4	XBDZZ		T2-145A	89905	.BUSHING, SPRIG		EA 1
32	5	XBDZZ		NT2-2358	89905	.BUSHING, STOP		EA 1
32	6	XBDZZ		T1-335	89905	..PIN		EA 1
32	7	XBDZZ		NT2-236	89905	.LOCKNUT		EA 1
32	8	XBDZZ		T2-133	89905	.NUT, ADJUSTING		EA 1
32	9	XBDZZ		WN24-120-1X5	89905	.PIN TANGENT SCREW KNOB		EA 1
32	10	XBDZZ		T2-134G	89905	.KNOB TANGENT SCREW		EA 1
32	11	XBDZZ		NT2-233A	89905	.SCREW, TANGENT		EA 1
32	12	XBDZZ		NT2-232A	89905	.KNOB, ADJUSTING		EA 1
32	13	XBDZZ		NT2-231A	89905	.HOUSING, MOTION, SLOW		EA 1
32	14	XBDZZ		WN21-595-3-2X1-5 X1	89905	.SCREW		EA 1

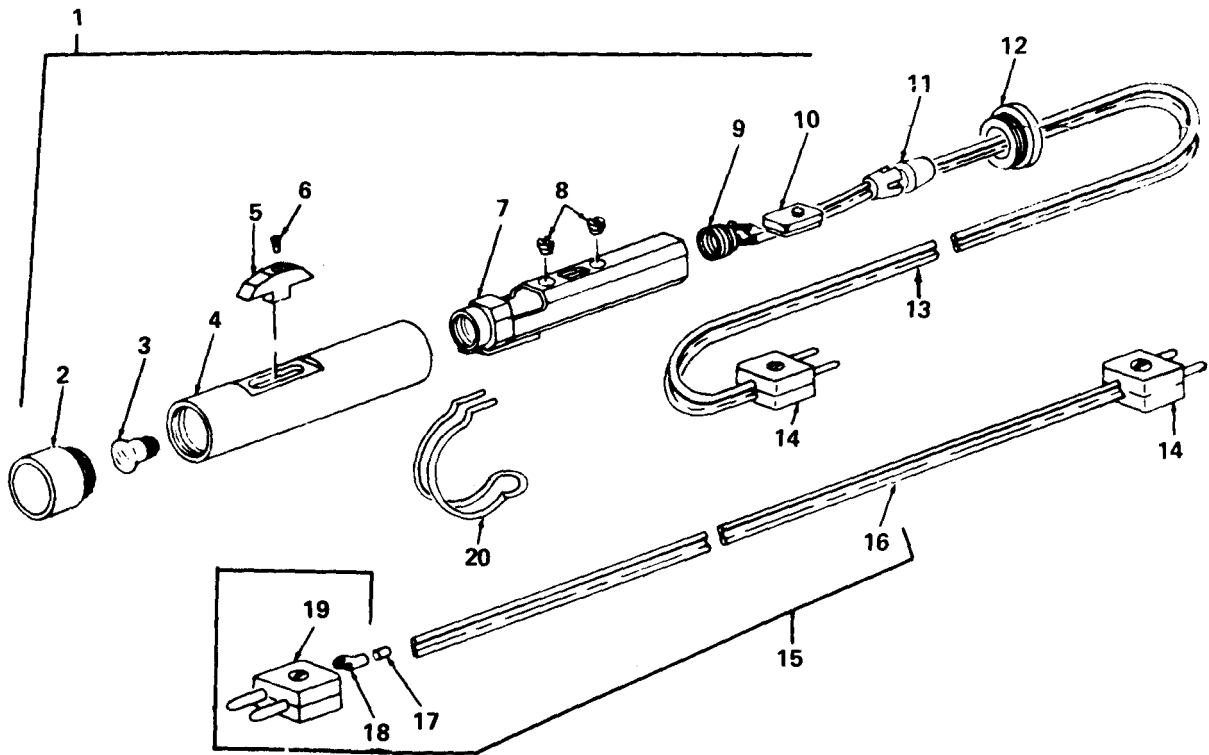


Figure 33. Hand Lamp

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
						GROUP 09 HAND LAMP,EYEPIECE ADAPTER ASSEMBLY		
33	1	XBOOZ		GEB1-00000-66	89905	HANDLAMP	EA	1
33	2	XAFZZ		GEB1-00030	89905	.COVER,END LAMP AND HOUSING	EA	1
33	3	PAFZZ	6240-00-859-5936	HEG3-64	89905	.LAMP,INCANDESCENT 2-5 VOLT	EA	1
33	4	XAFZZ		GEB1-00020	89905	.HOUSING,LAMP	EA	1
33	5	XBFZZ		HES1-62-17	89905	.SWITCH,SLIDE HAND LIGHT	EA	1
33	6	XBFZZ		D1N91-2-6X5	89905	.SCREW,MACHINE SLIDE SWITCH	EA	1
33	7	XAFZZ		GEB1-00010	89905	.BUSHING,INSULATION	EA	1
33	8	XBFZZ		D1N84-2-6X6	89905	.SCREW,MACHINE INSULATOR BUSHING	EA	2
33	9	XAFZZ		HEG4-38	89905	.LAMPHOLDER LIGHT BULB	EA	1
33	10	XBFZZ		HES1-61-1	89905	.SWITCH,SLIDE	EA	1
33	11	XBFZZ		GEB1-01000	89905	.CABLE,ASSEMBLY LAMP CONNECTING	EA	1
33	12	XAFZZ		GEB1-00050	89905	.COVER LAMP HOUSING,CABLE END	EA	1
33	13	XAFZZ		GEB1-01010	39905	.SPECIAL,CABLE	EA	1
33	14	XAFZZ		GEB5-000000	89905	.CONNECTOR,PLUG	EA	3
33	15	PAFZZ	6675-01-014-3517	GEB11-000000-66	89905	.CONNECTOR CABLE POWER SUPPLY	EA	1
33	16	XAFZZ		HED1-297	89905	..CABLE,ELECTRIC	EA	1
33	17	XAFZZ		HEK1-16-2	89905	..TUBE,INSULATING	EA	4
33	18	XAFZZ		HEK1-16-1	89906	..SLEEVE,CABLE END	EA	1
33	19	XAFZZ		GEB5-000000	89905	..CONNECTOR,PLUG	EA	2

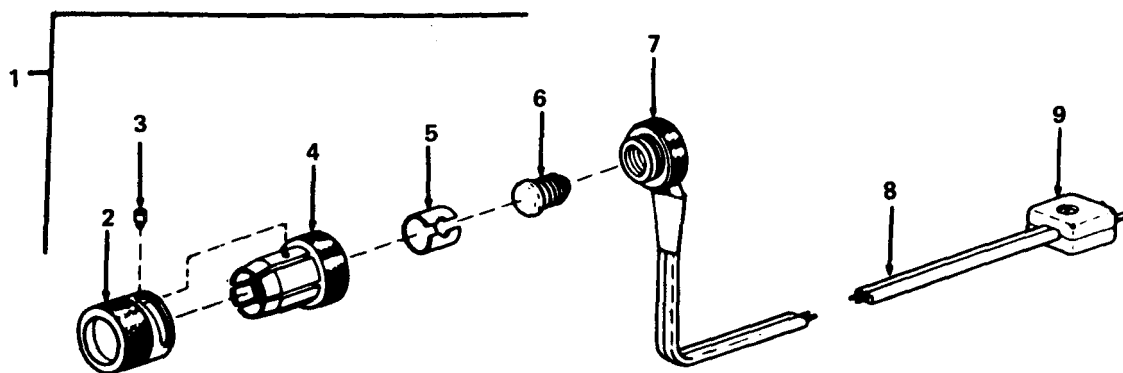


Figure 34. Eyepiece Adapter Assembly

SECTION II						TMS-6675-296-24P			
(1)	(2)	(3)	(4)	(5)	(6)			(7)	(8)
ILLUSTRATION					DESCRIPTION				QTY
(A)	(B)	FEDERAL							INC
FIG	ITEM	SMR	STOCK	PART					IN
NO	NO	CODE	NUMBER	NUMBER	FSCM	USABLE ON CODE		U/M	UNIT
34	1	XBOOZ		10102202	09786	EYEPIECE ADAPTER		EA	1
34	2	XAOZZ		10102203	07985	.SLEEVE		EA	1
34	3	XAOZZ		10102206	09786	.SCREW,CAP		EA	1
34	4	XAOZZ		10102204	07986	.CONNECTOR		EA	1
34	5	XBOZZ		10102205	09786	.RING		EA	1
34	6	PAOZZ	6240-00-269-0929	MS15611-5	96906	.LAMP, INCANDESCENT		EA	1
34	7	XBOZZ		10010896	07986	.SOCKET ASSEMBLY		EA	1
34	8	PAOZZ	6150-00-127-2861	10194010	09786	CABLE ASSEMBLY		EA	1
34	9	XBOZZ		GEB5-000000	89905	.CONNECTOR, PLUG		EA	1

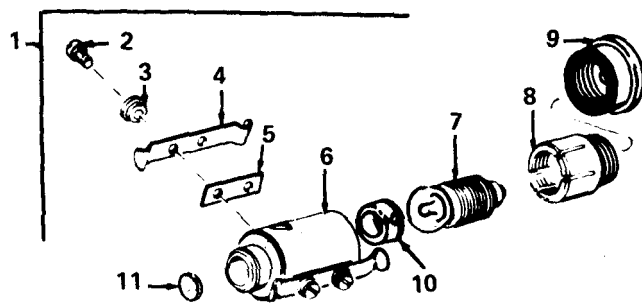


Figure 35. Lamp Fitting

SECTION II						TMS-6675-296-24P			
(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)	
ILLUSTRATION								QTY	
(A)	(B)	FEDERAL			DESCRIPTION			INC	
FIG	ITEM	SMR	STOCK	PART				IN	
NO	NO	CODE	NUMBER	NUMBER	FSCM	USABLE ON CODE	U/M	UNIT	
35	1	PAFFZ	6675-00-863-7471	T21-4W	89905	LAMP, FITTING		EA	2
35	2	XBFZZ		D1N85-2X3	89905	.SCREW, MACHINE EYEPIECE CONTACT		EA	4
35	3	XADZZ		T21-135	89905	.BUSHING, INSULATING EYEPIECE CONTACT SCREW		EA	4
35	4	XADZZ		T21-134	89905	.SPRING, CONTACT		EA	2
35	5	XADZZ		T21-133	89905	.PLATE, INSULATION		EA	2
35	6	XADZZ		T21-131	89905	.HOUSING, LAMP		EA	1
35	7	PAFZZ	6240-00-859-5936	HEG3-64	89905	.LAMP 2-5 VOLT		EA	1
35	8	XADZZ		T2-636	89905	.SOCKET, LAMP		EA	1
35	9	XADZZ		T2-635F	89905	.HOUSING		EA	1
35	10	XADZZ		T21-132	89905	.PLATE, COVER		EA	1
35	11	PAFZZ	6675-00-439-8054	NT2-244	89905	.LENS EYEPIECE TELESCOPE	CRR	EA	1

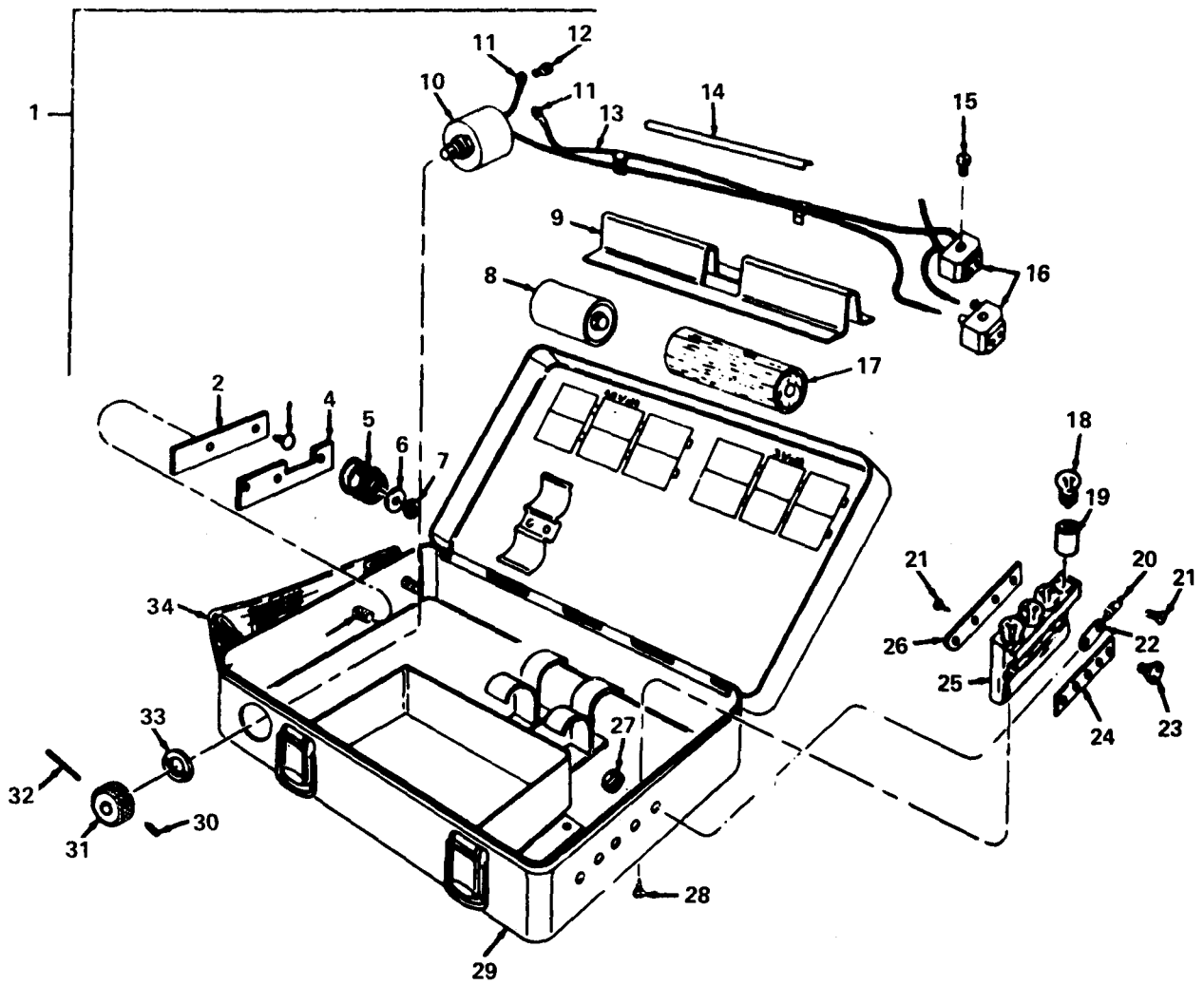


Figure 36. Battery Box Assembly

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
(A) FIG NO	(B) ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
GROUP 10 BATTERY BOX AND TRIPOD ASSEMBLY								
36	1	XBOPZ		GEB8-000000-66	89905	BATTERY BOX	CRR	EA 1
36	2	XBFZZ		EB3C6A	89905	.PLATE,INSULATING BATTERY BOX		EA 1
36	3	XBFZZ		D1N660-3X5	89905	.RIVET BATTERY BOX		EA 2
36	4	XBFZZ		EB307A	89905	.PLATE,CONTACT		EA 1
36	5	XBFZZ		MZ25-0215	89905	.SPRING,CONTACT		EA 2
36	6	XBFZZ		8X3-2X1	89905	.WASHER CONTACT SPRING		EA 1
36	7	XBFZZ		D1N934M3	89905	.NUT,PLAIN,HEXAGON CONTACT SPRING MTG		EA 2
36	8	PAOZZ	6135-00-120-1020	MS75059	96906	BATTERY, DRY 1.5 VOLT	CRR	EA 4
36	9	XBFZZ		EB328	89905	.INSULATION,BATTERY		EA 1
36	10	XBFZZ		HEW2-36	89905	.RHEOSTAT,CONTROL 8 OHM 2.5 W		EA 1
36	11	XBFZZ		HEK1-1	89905	.CLIP,CABLE		EA 1
36	12	XBFZZ		D1N85-2-6X4	89905	.SCREW,MACHINE RHEOSTAT TERMINAL MTG		EA 1
36	13	XBFZZ		HED1-112-9	89905	.CABLE,ELECTRIC		EA 1
36	14	XBFZZ		HE11-28-11	89905	.TUBE,INSULATION		EA 2
36	15	XBFZZ		WM21-550-70-2-6X 8-8	89905	.SCREW,MACHINE LOWER BASE SOCKET MTG		EA 2
36	16	XBFZZ		GEB9-000000	89905	.PLUG,ELECTRIC BATTERY BOX		EA 2
36	17	XBFZZ		HEK1-1	89905	.CLIP,CABLE		EA 2
36	18	PAOZZ	6240-00-859-5936	HEG3-64	89905	.BATTERY,DUMMY WOOD	CRR	EA 4
36	19	XBFZZ		G1-199	89905	.LAMP 2-5 VOLT,BATTERY BOX		EA 4
36	20	XBFZZ	5360-00-831-0183	G1-199	89905	.SOCKET,LAMP BATTERY BOX		EA 4
36	21	XBFZZ		EB315	89905	.SPRING,PLATE,COVER		EA 1
36	22	XBFZZ		VSM12801-2X7	89905	.SCREW,WOOD CONTACT PLATE AND SPRING MTG		EA 3
36	23	XBFZZ		EB316	89905	.CONTACT SOCKET		EA 1
36	24	XBFZZ		EB303	89905	.KNOB,PLATE,COVER CONTACT		EA 1
36	25	XBFZZ		EB302	89905	.PLATE,LEVER		EA 1
36	26	XBFZZ		EB311A	89905	.TRUNK,WOOD LAMPHOLDER		EA 1
36	27	XBFZZ		EB327B	89905	.PLATE,CONTACT BATTERY		EA 1
36	28	PAFZZ	6675-00-446-1986	D1N439BM2-6	89905	.NUT,PLAIN,HEXAGON CONTACT KNOB MTG	CRR	EA 1
36	29	XAFZZ		VSM12801-2-3X12	89905	.SCREW,WOOD TRUNK MTG		EA 2
36	30	XBFZZ		EB301DGB	89905	.BOX,BATTERY		EA 1
36	31	XBFZZ		D1N551-3X6	89905	.SETSCREW RHEOSTAT KNOB		EA 1
36	32	XBFZZ		EB310	89905	.KNOB,RHEOSTAT		EA 1
36	33	XBFZZ		WN24-120-1-5X13	89905	.PIN RHEOSTAT KNOB		EA 1
36	34	XBFZZ		3B309	89905	.WASHER,SPRING RHEOSTAT KNOB		EA 1
36	35	XBFZZ		HD86-1	89905	.STRAP,HANDLE		EA 1
36	36	XBFZZ		D1NE7-3X8	89905	.SCREW,MACHINE CONTACT MTG		EA 2

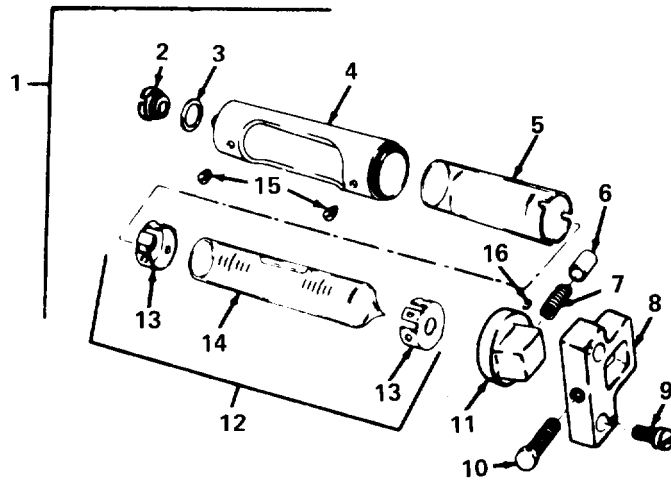


Figure 37. Plate Level Assembly

SECTION II						TMS-6675-296-24P			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		
ILLUSTRATION					DESCRIPTION		QTY		
(A)	(B)	FEDERAL					INC		
FIG	ITEM	STOCK	PART	FSCM		USABLE ON CODE	IN		
NO	NO	NUMBER	NUMBER				UNIT		
37	1	XBDDZ		T21-06000-68	89905		EA	1	
37	2	XBDZZ		NT2-24A	89905	CRR	EA	1	
37	3	XBDZZ		NT2-30	89905		EA	1	
37	4	PAOZZ	6675-00-353-4089	NT2-22A	89905	CRS	EA	1	
37	5	XBDZZ		NT2-23	89905		EA	1	
37	6	XBDZZ		T2-463	89905		EA	1	
37	7	XDDZZ	6675-00-378-9363	NT2-27	89905		EA	1	
37	8	XBDZZ		NT2-26A	89905		EA	1	
37	9	XBDZZ		D1N84-3X8	89905		EA	2	
37	10	XBDZZ		WN21-600-21-4X0-35X14-5	89905		EA	1	
37	11	XBDZZ		NT2-25A	89905		EA	1	
37	12	XBDZZ		NT2-21T2-174A	89905		EA	1	
37	13	XADZZ		T2-174AC	89905		EA	2	
37	14	PADZZ	6675-00-378-9352	NT2-21	89905		EA	1	
37	15	XBDZZ		WN21-570-18-2X2-5	89905		EA	6	
37	16	XBDZZ		WN21-500-2-1-7X1-35	89905		EA	1	

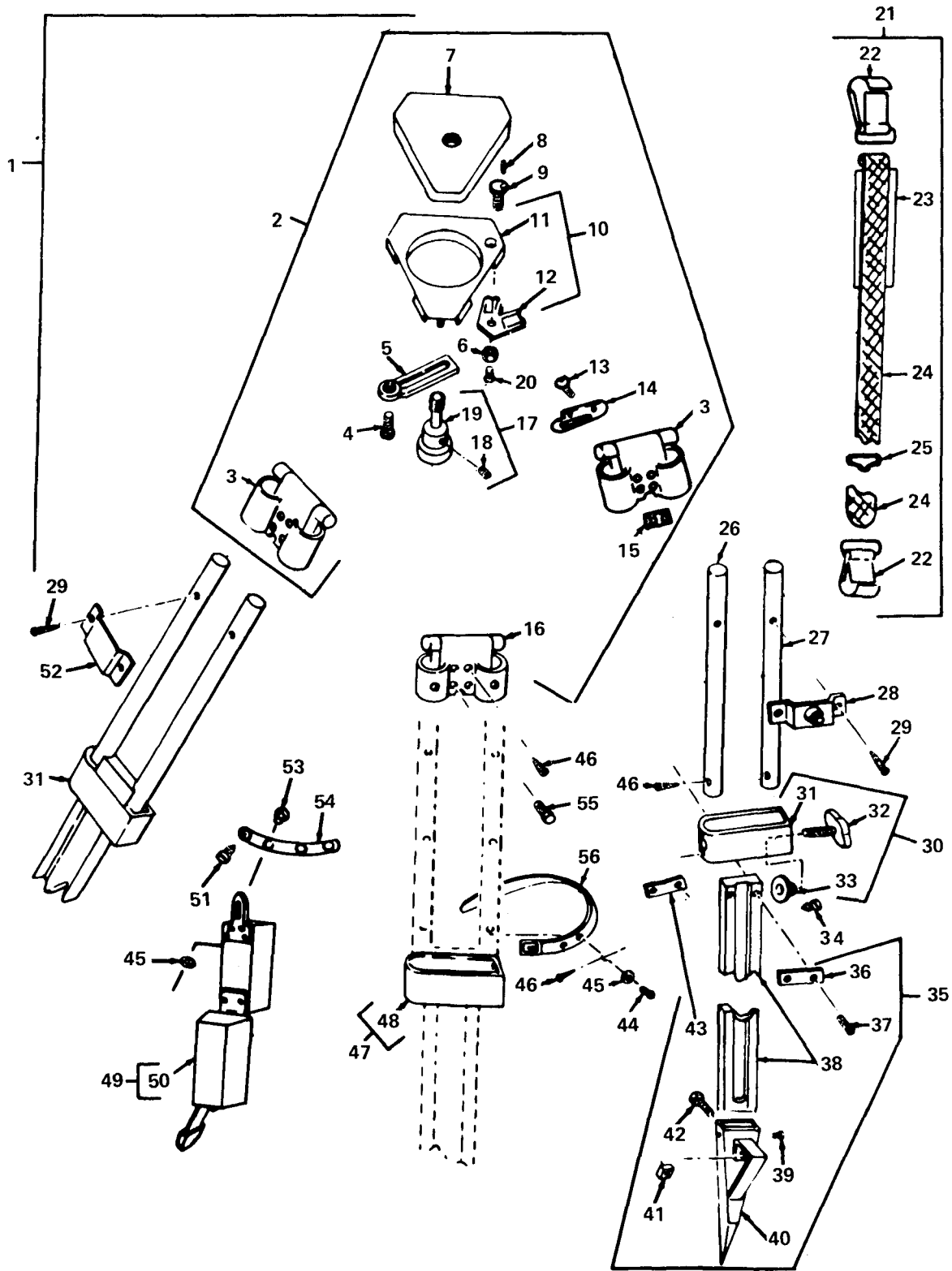


Figure 38. Tripot Assembly

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
38	1	XBOOZ		21B000000-66	89905	TRIPOD ASSEMBLY	CRR	EA 1
38	2	XBOZZ		21A008000-66	89906	.TRIPOD HEAD		EA 1
38	3	XBDZZ		3A11	89905	..HOUSING,LEG CLAMP		EA 2
38	4	XBDZZ		WN21-561-12-6X3-2	89905	..SCREW,MACHINE		EA 1
38	5	XBDZZ		3A52B	89905	..WASHER THEODOLITE MTG		EA 1
38	6	XBDZZ		1A6ALA	89905	..NUT,HEXAGON		EA 3
38	7	XBOZZ		3A63A	89905	..COVER,TRIPOD HEAD		EA 1
38	8	XBOZZ		WN24-140-2-5X6	89905	..PIN TRIPOD HEAD		EA 3
38	9	XBOZZ		2A36B	89905	..SCREW,TRIPOD HEAD HEAD CLAMP MTG		EA 3
38	10	XBOZZ		3A50B51A	89905	..HEAD ASSEMBLY TRIPOD		EA 1
38	11	XAOZZ		3A50B	89905	..HEAD TRIPOD		EA 1
38	12	XAOZZ		3A51A	89905	..CLAMP TRIPOD HEAD		EA 3
38	13	XBOZZ		D1N88-4X8	89905	..SCREW BELT LOOP MTG		EA 2
38	14	XBOZZ		15100-22	89905	..LOOP,BELT		EA 1
38	15	XBOZZ		15100-23	89905	..PLATE,LOCK BELT LOOP MTG		EA 1
38	16	XBOZZ		15100-21	89905	..HOUSING,LEG		EA 1
38	17	XBOZZ		2ACB100-66	89905	..SCREW,CENTRAL		EA 1
38	18	XBOZZ		D1N551-2-6X3	89905	..SETSCREW FIXING		EA 1
38	19	PAOZZ	6675-00-996-3694	1A37	89905	..SCREW,CENTER	CRR	EA 1
38	20	XBOZZ		WN21-570-46-3LX5	89905	..SCREW,STOP LEVELING HEAD		EA 3
38	21	XBOZZ		15100-11	89905	.CARRYING SLING		EA 1
38	22	XBOZZ		HDH1-5	89905	..HOOK,SPRING		EA 2
38	23	XBOZZ		HDB6-3-10	89905	..SLING,CARRYING		EA 1
38	24	XBOZZ		HDB6-2-10	89905	..SLING,CARRYING		EA 1
38	25	XBOZZ		HDS7-27	89905	..BUCKLE		EA 1
38	26	XBOZZ		21B12	89905	.LEG,WOOD LEFT HAND		EA 1
38	27	XBOZZ		21B13A	89905	.LEG,WOOD RIGHT HAND		EA 3
38	28	XBOZZ		21B52S	89905	.BRACKET,WOOD		EA 1
38	29	XBOZZ	6675-00-446-1983	VSM12801-3X20	89905	.SCREW,WOOD BRACKET MTG		EA 4
38	30	XBOZZ		21BCC2000-66	89905	.CLAMP ASSEMBLY		EA 1
38	31	XBOZZ		15100-31	89905	..CLAMP		EA 1
38	32	XBOZZ		16B13LA	89905	..NUT,WING		EA 1
38	33	XBOZZ		21B33	89905	..PLATE,CLAMP		EA 1
38	34	XBOZZ		D1N87-4X15	89905	.SCREW CLAMP TO UPPER LEG		EA 6
38	35	XBOZZ		21BCC1000	89905	.LOWER LEG ASSEMBLY		EA 3
38	36	XBOZZ		21B14A	89905	..PLATE,STOP OUTER		EA 3
38	37	XBOZZ		D1N87-4X30	89905	..SCREW,MACHINE CLAMP TO UPPER LEF		EA 2
38	38	XBOZZ		21B11A	89905	..LEG,WOOD		EA 3
38	39	PAOZZ	5305-00-418-9676	VSM12802-2-6X12	89905	..SCREW,WOOD SHOE MTG		EA 10
38	40	XBOZZ		21B18S	89905	..SHOE,TRIPOD LOWER END		EA 3

SECTION II						TMS-6675-296-24P	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
ILLUSTRATION					DESCRIPTION		QTY
(A)	(B)	FEDERAL	PART	FSCM		USABLE ON CODE	INC
FIG	ITEM	STOCK	NUMBER				IN
NO	NO	NUMBER					UNIT
38	41	XBOZZ	2AC4060	89905	..NUT SHOE MTG		EA 3
38	42	XBOZZ	WN21-540-2-8X30-5	89905	..SCREW,HEXAGON SHOE MTG		EA 3
38	43	XBOZZ	21B15A	89905	..PLATE STOP INNER		EA 3
38	44	PAOZZ	6675-00-804-7341	VSM12800-3-5X18	89905 .SCREW,WOOD,TRIPOD MTG	CRR	EA 2
38	45	XBOZZ		D1N433-4-3	89905 .WASHER STRAP MTG		EA 2
38	46	XBOZZ	6675-00-804-7342	VSM12802-2-6X18	89905 .SCREW,WOOD,TRIPOD CLAMP TO UPPER LEG		EA 12
38	47	XBOZZ		21B002000	89905 .CLAMP ASSEMBLY		EA 2
38	48	XBOZZ		21B32AS	89905 .CLAMP		EA 6
38	49	XBDZZ		21ACC7000-66	89906 .TOOL KIT ASSEMBLY		EA 1
38	50	XBOZZ		2A20A	89905 .KIT,TOOL		EA 1
38	51	XBOZZ	5305-00-418-9676	VSM12802-2-6X12	89905 .SCREW,WOOD TOOL KIT MTG		EA 4
38	52	XBOZZ		2A23A	89905 .BRCKET,KIT,TOOL		EA 2
38	53	XBDZZ		D1N7331A4X11X10	89905 .RIVET TOOL KIT TO BRACKET		EA 4
38	54	XBOZZ		21B19	89905 .BRACKET,BOX,BATTERY		EA 1
38	55	XBOZZ		WN21-540-1-8X17	89905 .SCREW,HEXAGON PLATE MTG		EA 6
38	56	XBOZZ		21B16	89905 .STRAP,LEATHER		EA 1

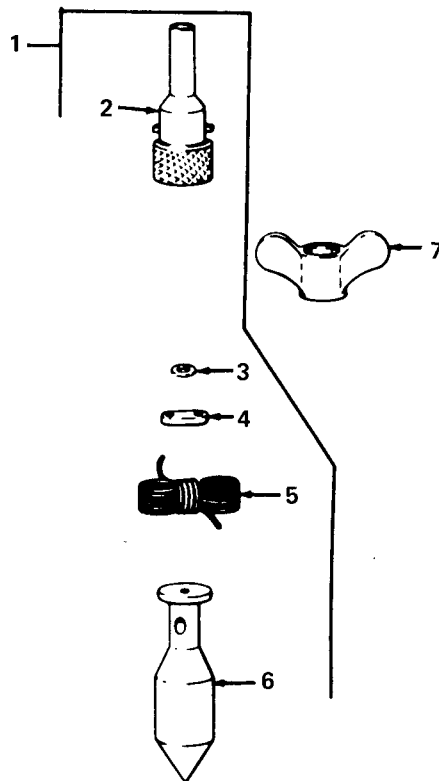


Figure 39. Plumb Bob Assembly and Tripod Wrench

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
39	1	XBOOZ		2A001000	89905	PLUMB BOB ASSEMBLY		EA 1
39	2	XAOZZ		2A07060	89905	.SOCKET, BAYONET		EA 1
39	3	XBOZZ		2A07070	89905	.RING PLUMB BOB STRING		EA 1
39	4	XBOZZ		2A07040	89905	.SLIDE,ADJUSTER PLUMB BOB STRING		EA 1
39	5	XBOZZ		2A07050	89905	.STRING PLUMB BOB		EA 1
39	6	XAOZZ		2A07101	89905	.PLUMB BOB		EA 1
39	7	PAOZZ	5120-00-429-2949	3A29	89905	WRENCH TRIPOD		EA 1

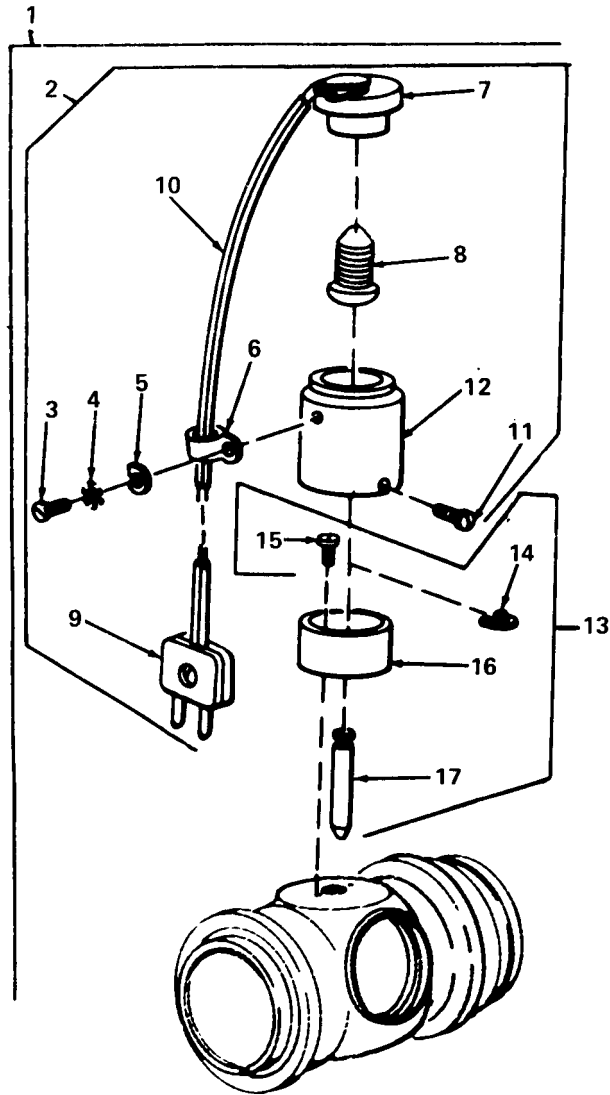


Figure 40. Housing Assembly Lens and Light

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
						GROUP 11 RETROFIT KIT		
40	1	XBFZ		XT21-450-65	89905	HOUSING ASSEMBLY LENS AND LIGHT	CRS	EA 1
40	2	XBFZ		XT21-451-65	89905	.HOUSING ASSEMBLY LIGHT	CRS	EA 1
40	3	XBFZZ	5305-00-054-5647	MS35233-13	96906	.SCREW, MACHINE CABLE SUPPORT CLAMP	CRS	EA 1
40	4	XBFZZ		9126409	09786	.WASHEROUTSIDE	CRS	EA 1
40	5	XBFZZ	5310-00-616-3554	MS35335-29	96906	.WASHERLOCK CABLE SUPPORT CLAMP SCREW	CRS	EA 1
40	6	XBFZZ		10018730-009	09786	.CLAMP, LOOP	CRS	EA 1
40	7	XBFZZ		10010896	09786	.SOCKET ASSEMBLY	CRS	EA 1
40	8	XBFZZ		10009795	09726	.LAMP, INCANDESCENT	CRS	EA 1
40	9	XBFZZ		EB105	89905	.CONNECTOR, PLUG	CRS	EA 1
40	10	XBFZZ	6150-00-127-2861	10194010	09786	.CABLE	CRS	EA 1
40	11	XBFZZ		MS35249-9	96906	.SCREW, MACHINE	CRS	EA 1
40	12	XBFZZ		10061272	09786	.ADAPTER	CRS	EA 1
40	13	XBFZZ		10061269	09726	.LENS ASSEMBLY	CRS	EA 1
40	14	XAFZZ		MS16624-21	96906	.RING, RETAINING	CRS	EA 1
40	15	XBFZZ		WN21-550-62-2-6X 5	89905	.SCREW	CRS	EA 2
40	16	XAFZZ		10061270	09735	.HOLDER, LENS	CRS	EA 1
40	17	XAFZZ		10061271	09786	.LENS	CRS	EA 1

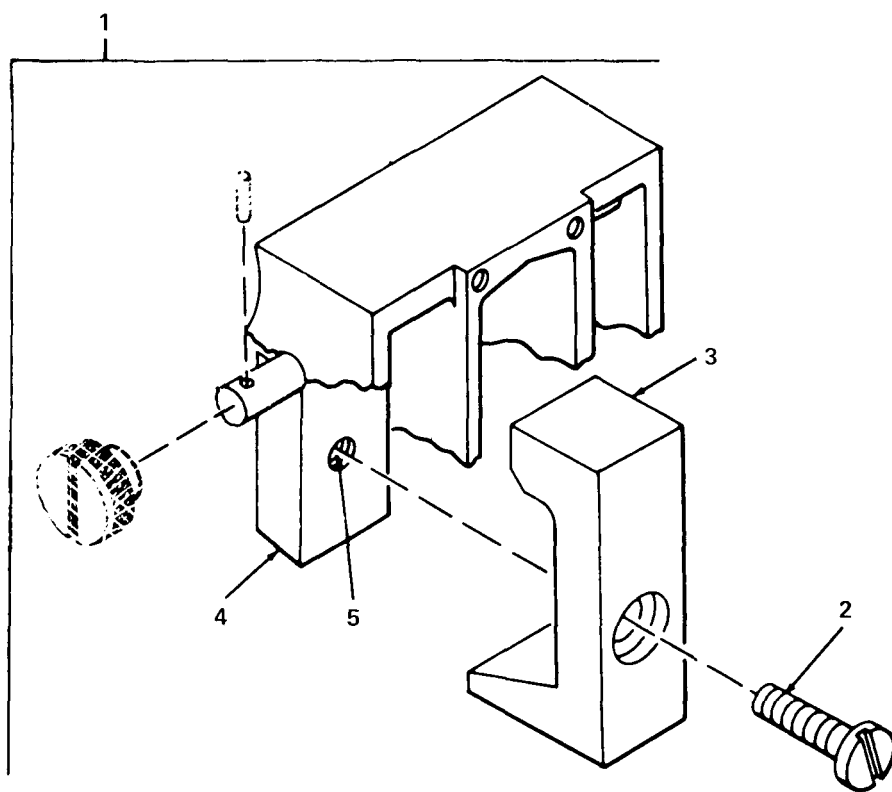


Figure 41. Clamp Assembly

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	TMS-6675-296-24P (6)	(7)	(8)
FIG NO	ITEM NO	SMR CODE	FEDERAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
41	1	XBFFZ		10017416	09786	CLAMP ASSEMBLY	CRS	EA 1
41	2	XAFZZ		MS51957-15	96906	.SCREW	CRS	EA 1
41	3	XAFZZ		10017417	09786	.YOKE	CRS	EA 1
41	4	XAFZZ		10017414	09786	.BLOCK	CRS	EA 1
41	5	XAFZZ		NAS1222-04D	09786	.INSERT	CRS	EA 1

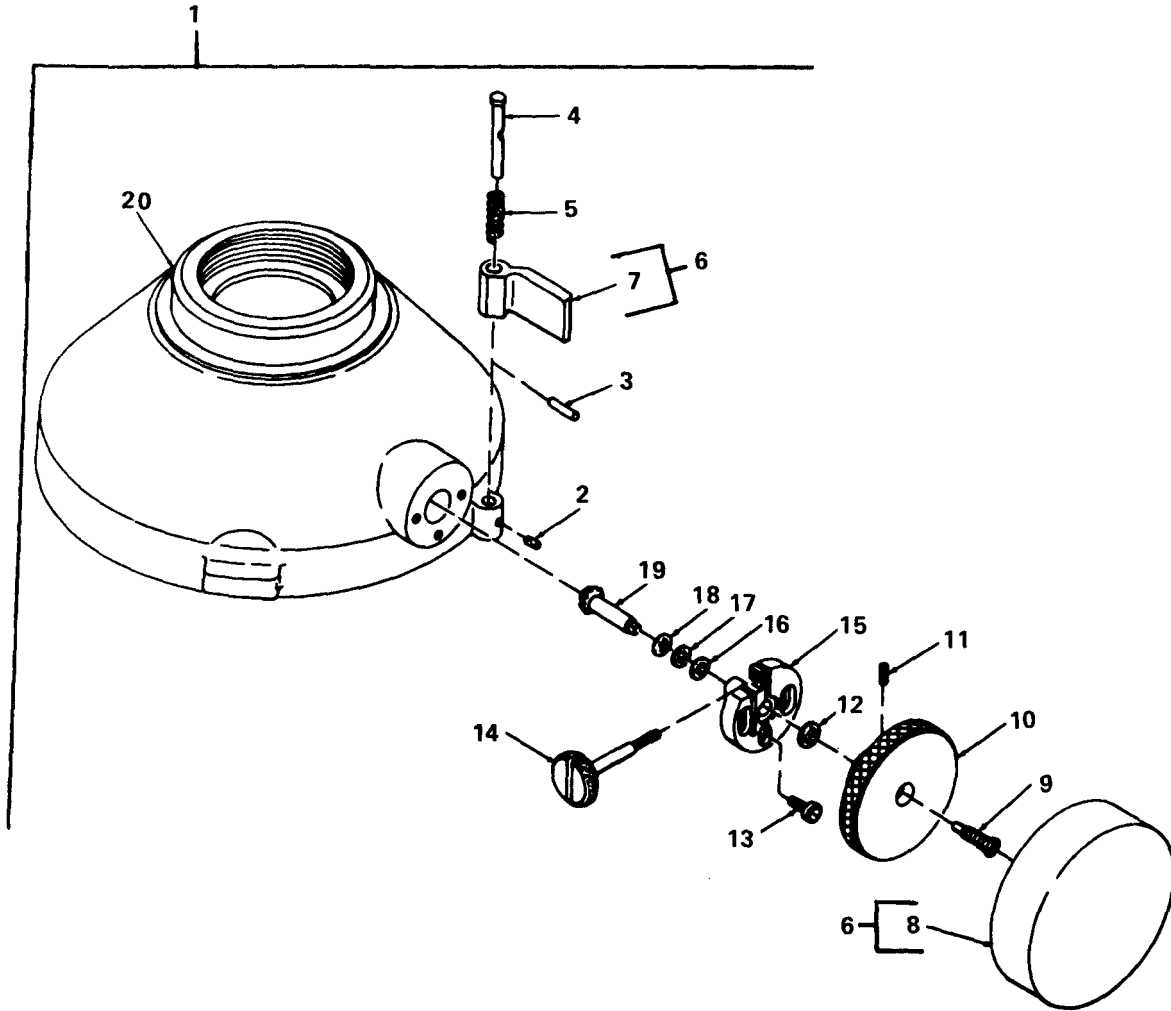


Figure 42. Horizontal Circle Drive Assembly

SECTION II						TMS-6675-296-24P			
(1)	(2)	(3)	(4)	(5)	(6)			(7)	(8)
ILLUSTRATION					DESCRIPTION				QTY
(A)	(B)	FEDERAL	PART	FSCM		USABLE ON CODE	U/M	INC	IN
FIG	ITEM	STOCK	NUMBER					IN	UNIT
NO	NO	CODE	NUMBER					UNIT	
42	1	XBFZZ	010371	89905	RETROFIT KIT HORIZONTAL CIRCLE DRIVE ASSEMBLY	CRS	EA	1	1
42	2	XBFZZ	AN565DC2H2	88044	.SETSCREW	CRS	EA	1	1
42	3	XBFZZ	VSM12771	89905	.PIN	CRS	EA	1	1
42	4	XBFZZ	T21-63A	9905	.AXIS DRIVE CIRCLE	CRS	EA	1	1
42	5	XBFZZ	T21-75	89903	.SPRING, COMPRESSION	CRS	EA	1	1
42	6	XBFZZ	B10226	89905	.COVER AND HINGE	CRR	EA	1	1
42	7	XAFZZ	B10230	89905	.HINGE	CRS	EA	1	1
42	8	XAFZZ	B10229	89905	.COVER	CRS	EA	1	1
42	9	XBFZZ	T2-99A	89905	.SCREW, KNOB	CRS	EA	1	1
42	10	XBFZZ	B10228	89905	.KNOB	CRS	EA	1	1
42	11	XBFZZ	A10227	89905	.SCREW, S HOLDER	CRS	EA	1	1
42	12	XBFZZ	T21-96	89905	.WASHER, TELFON	CRS	EA	1	1
42	13	XBFZZ	D1N84-2X6	89905	.SCREW, MACHINE	CRS	EA	3	3
42	14	XBFZZ	B10231	89903	.KNOB, ADJUSTING	CRS	EA	1	1
42	15	XBFZZ	T21-78	89905	.WASHER	CRS	EA	1	1
42	16	XBFZZ	T21-96	89905	.WASHER, TELEFON	CRS	EA	1	1
42	18	XBFZZ	T21-95	89905	.WASHER, SPRING	CRS	EA	1	1
42	19	XBFZZ	T21-79B	89905	.DRIVE	CRS	EA	1	1

STOCK NUMBER	FIGURE NO	ITEM NO	STOCK NUMBER	FIGURE NO	ITEM NO
6675-00-023-5052	1	2	6675-00-378-9424	20	6
5305-00-054-5647	40	3	6675-00-378-9440	29	8
6675-00-065-8527	22	1	6675-00-378-9453	19	11
6135-00-120-1020	36	8	5310-00-378-9474	11	23
5305-00-126-5373	23	1	6675-00-378-9481	15	7
6675-00-127-2856	24	1	6675-00-378-9498	5	2
6675-00-127-2857	4	1	5305-00-378-9538	6	12
6150-00-127-2861	34	8	5305-00-378-9538	11	29
6150-00-127-2861	40	10	5305-00-378-9538	16	7
6675-00-129-3262	7	25	5305-00-378-9538	19	30
6675-00-253-5496	6	7	5305-00-378-9538	25	8
6675-00-253-5497	10	1	5305-00-378-9538	26	8
6675-00-253-5498	7	17	5305-00-378-9538	28	6
6675-00-253-5499	16	23	5305-00-378-9538	30	7
6240-00-269-0929	34	5	5305-00-418-9676	38	51
5305-00-353-4088	29	5	6675-00-420-4963	11	1
6675-00-353-4089	37	4	6675-00-435-4460	12	4
6675-00-353-4093	18	20	6675-00-439-8054	35	11
6675-00-353-4103	5	8	6675-00-446-1762	5	12
6675-00-378-9312	6	8	6675-00-446-1983	38	29
6675-00-378-9313	6	13	5120-00-446-2860	5	9
6675-00-378-9314	6	19	6675-00-450-6961	15	22
6675-00-378-9316	6	16	6675-00-454-8230	15	6
5970-00-378-9344	27	10	6675-00-454-8232	25	1
5940-00-378-9346	28	32	6675-00-454-8239	31	1
6675-00-378-9352	37	14	6675-00-454-8240	32	1
6675-00-378-9354	25	6	6675-00-487-3621	18	22
5306-00-378-9355	25	4	6675-00-487-3627	12	1
6675-00-378-9363	37	7	3110-00-521-5612	15	15
6675-00-378-9364	3	9	6675-00-567-8334	15	21
6675-00-378-9365	3	3	5310-00-616-3554	40	5
6675-00-378-9368	16	12	5315-00-797-8409	30	5
6675-00-378-9369	16	6	6675-00-804-7342	38	46
6675-00-378-9371	16	18	6675-00-830-8689	4	2
6675-00-378-9374	16	25	6675-00-831-0010	2	2
6675-00-378-9377	21	29	5360-00-831-0183	36	20
6675-00-378-9378	21	28	6240-00-859-5936	33	3
6675-00-378-9379	21	25	6240-00-859-5936	35	7
6675-00-378-9380	21	29	6240-00-859-5936	36	18
6675-00-378-9398	14	4	6675-00-862-2584	11	27
6675-00-378-9399	14	2	6675-00-863-7471	1	1
6675-00-378-9400	14	9	6675-00-863-7471	35	1
6675-00-378-9401	5	5	6675-00-966-5772	17	1
6675-00-378-9402	14	10	6675-00-966-5773	23	10
6675-00-378-9405	21	13	6675-00-979-8744	10	2
6675-00-378-9407	18	14	6675-00-980-0118	5	4
6675-00-378-9408	18	13	6675-00-996-3694	38	19
6675-00-378-9410	18	11	6675-00-997-4333	10	3
6675-00-378-9413	18	27	6675-01-014-3517	33	14
6675-00-378-9420	19	13	6675-01-036-5616	1	1
6675-00-378-9423	20	7	6675-01-037-0253	2	1

PART NUMBER	FSCM	FIG NO	ITEM NO	PART NUMBER	FSCM	FIG NO	ITEM NO
AF01040	89905	7	18	D1N553-1-7X2	89905	12	10
AN565DC2H2	88044	42	2	D1N553-1-7X2	89905	28	5
B10227	89905	42	11	D1N553-1-7X2-5	89905	7	3
B10226	89905	42	6	D1N553-1-7X2-5	89905	19	36
B10228	89905	42	6	D1N553-1-7X2-5	89905	8	4
B10228	89905	42	10	D1N553-1-7X2-5	89905	19	36
B10229	89905	42	8	D1N553-1-7X3	89905	11	20
B10230	89905	42	7	D1N553-2-6X2-5	89905	12	11
B10231	89905	42	14	D1N553-2-6X3	89905	17	16
CB1-6X10-5X2-5	89905	20	4	D1N553-2-6X4	89905	6	21
C10371	89905	42	1	D1N553-2X1-8	89905	28	31
D1N63-2X5	89905	3	3	D1N553-2X2	89905	6	12
D1N433-4-3	89905	38	45	D1N553-2X2	89905	11	29
D1N439BM2-6	89905	36	27	D1N553-2X2	89905	16	7
D1N546M2-6	89905	28	10	D1N553-2X2	89905	19	30
D1N551-1-7X2	89905	19	10	D1N553-2X2	89905	25	8
D1N551-2-6X3	89905	38	18	D1N553-2X2	89905	26	8
D1N551-2X2	89905	17	12	D1N553-2X2	89905	28	6
D1N551-2X2-5	89905	9	10	D1N553-2X2	89905	30	7
D1N551-2X2-5	89905	16	17	D1N553-2X2-5	89905	18	10
D1N551-2X3	89905	8	2	D1N553-2X3	89905	10	12
D1N551-2X3	89905	8	18	D1N553-2X3	89905	28	17
D1N551-2X4	89905	11	27	D1N553-2X3	89905	31	14
D1N551-3X6	89905	35	30	D1N553-2X4	89905	15	19
D1N553-1-7X2	89905	9	23	D1N553-2X4	89905	16	19

PART NUMBER	FSCM	FIG NO	ITEM NO	PART NUMBER	FSCM	FIG NO	ITEM NO
D1N553-2X4	89905	21	37	GDF2-003020	89905	11	26
D1N553-2X4	89905	27	15	GEB1-00000-66	89905	33	1
D1N553-2X6	89905	29	2	GEB1-00010	899905	33	7
D1N553-2X8	89905	18	23	GEB1-00020	89905	33	4
D1N553-3X4	89905	23	9	GEB1-00030	89905	33	2
D1N63-2X4	89905	19	6	GEB1-00050	89905	33	12
D1N63-2X4	89905	21	34	GEB1-01000	89905	33	11
D1N63-2X4	89905	27	11	GEB1-01010	89905	33	13
D1N63-2X4-5	89905	28	23	GEB11-000000-66	89905	33	14
D1N660-3X5	89905	35	3	GEB5-000000	89905	33	14
D1N7331A4X11X10	89905	38	53	GEB5-000000	89905	33	19
D1N84-2-6X4	89905	20	5	GEB5-000000	89905	34	9
D1N84-2-6X4	89905	21	17	GEB8-000000-66	89905	36	1
				GEB9-000000	89905	36	16
D1N84-2-6X6	89905	19	13	GSB2	89905	10	2
D1N84-2-6X6	89905	33	8	GVP4-04000	89905	2	1
D1N84-2X3	89905	20	8	GZOM2-06010	89905	9	8
D1N84-2X4	89905	16	22	GZOF01000	89905	8	21
D1N84-2X4	89905	21	10	GZOF01010	89905	8	22
D1N84-2X6	89905	26	5	GZOF02000	89905	8	27
D1N84-2X6	89905	28	15	GZOF02000	89905	9	29
D1N84-2X6	89905	42	13	GZOF02050	89905	8	29
D1N84-3X4-5	89905	17	10	GZOF02050	89905	9	31
D1N84-3X6	89905	15	25	GZOF02060	89905	8	31
D1N84-3X7	89905	15	5	GZOF02060	89905	9	33
D1N84-3X7	89905	24	6	GZOF02100	89905	8	28
D1N84-3X8	89905	37	9	GZOF02100	89905	9	30
D1N85-2-6X4	89905	15	4	GZOF02200	89905	8	30
D1N85-2-6X4	89905	16	5	GZOF02200	89905	9	32
D1N85-2-6X4	89905	36	12	GZOF03011	89905	8	10
D1N85-2-6X4-5	89905	18	16	GZOF04000	89905	8	12
D1N85-2-6X6	89905	6	22	GZOF04011	89905	8	19
D1N85-2-6X6	89905	11	24	GZOF04020	89905	8	16
D1N85-2X3	89905	35	2	GZOF04030	89905	8	14
D1N85-2X5	89905	11	13	GZOF04040	89905	8	13
D1N85-2X8	89905	14	8	GZOF05000	89905	8	20
D1N85-3X6	89905	27	13	GZOF05011	89905	8	24
D1N85-3X6	89905	28	8	GZOF05021	89905	8	26
D1N87-3X8	89905	36	35	GZOF06001	89905	8	
D1N87-4X15	89905	38	34	GZOM1-01030	89905	9	27
D1N87-4X30	89905	38	37	GZOM1-02000	89905	9	24
D1N88-4X8	89905	38	13	GZOM1-02010	89905	9	25
D1N91-1-7X5	89905	21	20	GZOM1-02020	89905	9	26
D1N91-2-6X4	89905	21	21	GZOM1-04010	89905	9	14
D1N91-2-6X5	89905	33	6	GZOM2-00001-68	89905	5	2
D1N91-2X5	89905	25	2	GZOM2-01010	89905	9	15
D1N920-2X2	89905	9	16	GZOM2-01020	89905	9	22
D1N920-2X4	89905	7	5	GZOM2-02000	89905	9	20
D1N926-2X1-6X1	89905	21	23	GZOM2-02010	89905	9	21
D1N934M3	89905	35	7	GZOM2-03001	89905	9	1
EB105	89905	40	9	GZOM2-03101	89905	9	2
EB301DGB	89905	36	29	GZOM2-04000	89905	9	12
EB302	89905	36	24	GZOM2-05000	89905	9	19
EB303	89905	36	23	GZOR01021	89905	8	23
EB306A	89905	36	2	G1-199	89905	36	19
EB310	89905	36	31	HDB6-1	89905	36	34
EB311A	89905	36	25	HD86-2-10	89905	38	24
EB315	89905	36	20	HDB6-3-10	89905	38	23
EB316	89905	536	22	HDF3-4	89905	5	12
EB327B	89905	36	26	HDF1-5	89905	38	22
EB328	89905	36	9	HDK8-2-2	89905	15	15
F0B01090	89905	10	3	HDP3-7	89905	5	11
F0KA02-031	89905	14	6	HDS1-2A	89905	1	2
F0KA02031	89905	28	13	HDS7-27	89905	38	25
F0K77-00002	89905	7	25	HDT1-11	89905	3	10
F0K77-01030	89905	7	28	HDV1-17-1	89905	2	7
F0K77-01042	89905	7	24	HDW1-2	89905	36	13
F0K77-C1C52	89905	7	22	HED1-112-9	89905	36	13
F0K77-01061	89905	7	27	HED1-293-03	89905	27	3
F0K77-01090	89905	8	5	HED1-293-03	89905	28	18
F0K77-01100	89905	7	26	HED1-297	89905	33	16
F0K77-01751	89905	7	2	HEG3-64	89905	33	3
F9B01060	89905	10	7	HEG3-64	89905	35	7
GDF1-001040	89905	22	10	HEG3-64	89905	36	18
GDF2-001000	89905	22	2	HEG4-38	89905	33	9
GDF2-001030	89905	22	4	HEK1-1	89905	36	17
GDF2-001100	89905	22	3	HEK1-16-1	89905	33	18
GDF2-002000-68	89905	22	7	HEK1-16-2	89905	33	17
GDF2-002010	89905	22	8	HES1-61-1	89905	33	10
GDF2-002020	89905	22	5	HES1-62-17	89905	33	5

PART NUMBER	FSCM	FIG NO	ITEM NO	PART NUMBER	FSCM	FIG NO	ITEM NO
HE11-25-4	89905	28	19	NT2-26A	89905	37	8
HE11-28-11	89905	36	14	NT2-27	89905	37	7
HE11-62-9	89905	27	7	NT2-283	89905	3	9
LT405	89905	3	11	NT2-284A	89905	3	5
MS15611-5	96906	34	6	NT2-291BGD	89905	2	3
MS16624-21	96906	40	14	NT2-294A	89905	2	2
MS35233-13	96906	40	3	NT2-295A	89905	3	4
MS35249-9	96906	40	11	NT2-304-68	89905	31	1
MS35335-29	96906	40	5	NT2-305-68	89905	32	1
MS51957-15	96906	41	2	NT2-31A	89905	16	3
MS75059	96906	36	8	NT2-32	89905	16	30
MZ25-0215	89905	36	5	NT2-33	89905	16	20
NAS1222-04D	09786	41	5	NT2-34	89905	16	32
NA2-02030	89905	23	7	NT2-35	89905	16	6
NK01-05001T2-68	89905	24	1	NT2-36BF	89905	16	15
NK01-05020	89905	24	2	NT2-38	89905	16	18
NT1-893	89905	4	2	NT2-39F	89905	16	21
NT1-893-894-895	89905	4	1	NT2-42	89905	16	25
NT1-894	89905	4	3	NT2-44F	89905	16	28
NT1-895	89905	4	4	NT2-441	89905	21	29
NT2-10C	89905	21	4	NT2-442	89905	21	28
NT2-102F	89905	6	4	NT2-443	89905	21	25
NT2-103	89905	6	3	NT2-444A	89905	21	29
NT2-104B	89905	6	15	NT2-445	89905	21	11
NT2-105	89905	6	19	NT2-446	89905	21	14
NT2-106A	89905	6	17	NT2-447	89905	21	15
NT2-108BF	89905	6	7	NT2-448	89905	21	19
NT2-109	89905	6	16	NT2-45	89905	16	24
NT2-11B	89905	21	22	NT2-456	89905	21	8
NT2-127	89905	9	34	NT2-457	89905	21	5
NT2-13A	89905	27	8	NT2-458	89905	21	9
NT2-14C	89905	27	9	NT2-46	89905	16	29
NT2-15C	89905	27	12	NT2-47A	89905	16	11
NT2-151B	89905	29	5	NT2-48	89905	16	9
NT2-152	89905	29	4	NT2-49A	89905	16	12
NT2-154	89905	29	6	NT2-50	89905	16	14
NT2-18	89905	21	2	NT2-51	89905	14	4
NT2-19	89905	27	10	NT2-52	89905	14	2
NT2-190F	89905	28	2	NT2-53	89905	14	7
NT2-20	89905	28	32	NT2-54	89905	14	9
NT2-201A	89905	15	14	NT2-549A	89905	5	5
NT2-202	89905	15	16	NT2-55	89905	14	10
NT2-204A	89905	15	20	NT2-57A	89905	14	5
NT2-205B	89905	15	13	NT2-6	89905	21	13
NT2-206F	89905	15	22	NT2-60A	89905	13	4
NT2-207	89905	15	11	NT2-61A	89905	18	3
NT2-209F	89905	15	8	NT2-62	89905	18	26
NT2-21	89905	37	14	NT2-63	89905	18	20
NT2-21T2-174A	89905	37	12	NT2-63-68ABC	89905	18	18
NT2-22A	89905	37	4	NT2-64	89905	18	14
NT2-222F	89905	25	5	NT2-65	89905	18	13
NT2-223A	89905	25	6	NT2-66	89905	18	15
NT2-224	89905	25	4	NT2-67	89905	18	11
NT2-225A	89905	25	10	NT2-68ABC	89905	18	19
NT2-23	89905	37	4	NT2-69	89905	18	17
NT2-231A	89905	30	8	NT2-7C	89905	21	12
NT2-231A	89905	31	13	NT2-70	89905	18	27
NT2-231A	89905	3	13	NT2-71A	89905	18	9
NT2-232A	89905	30	12	NT2-72A	89905	18	7
NT2-232A	89905	31	12	NT2-74A	89905	18	22
NT2-232A	89905	32	12	NT2-80A	89905	19	15
NT2-233A	89905	32	11	NT2-81A	89905	6	2
NT2-234A	89905	32	2	NT2-82	89905	20	3
NT2-235B	89905	31	5	NT2-83A	89905	20	2
NT2-235B	89905	32	5	NT2-84	89905	20	7
NT2-236	89905	30	6	NT2-85	89905	20	6
NT2-236	89905	31	7	NT2-89	89905	19	18
NT2-236	89905	32	7	NT2-9B	89905	21	6
NT2-237A	89905	31	2	NT2-97T	89905	19	8
NT2-238A	89905	30	11	NT3-323	89905	29	8
NT2-238A	89905	31	11	NT3-324	89905	29	7
NT2-239A	89905	30	14	N2-45A	89905	31	6
NT2-24A	89905	37	2	QOB613	81348	18	12
NT2-244	89905	35	11	TO-44040	89905	2	6
NT2-25A	89905	37	11	TO-44050	89905	2	5
NT2-250C	89905	21	24	TO-44060	89905	2	4
NT2-251	89905	16	26	T1-20	89905	22	11
NT2-253	89905	21	34	T1-258	89905	9	13
NT2-254AC	89905	19	37	T1-335	89905	32	6
NT2-255A	89905	16	2	T1-56	89905	17	4

PART NUMBER	FSCM	FIG NO	ITEM NO	PART NUMBER	FSCM	FIG NO	ITEM NO
T1A27030	89905	23	6	T21-187	89905	19	18
T1A27100	89905	23	3	T21-188	89905	19	28
T1A27200	89905	23	8	T21-189	89905	19	32
T1A29021	89905	13	5	T21-190A	89905	19	31
T1A29030	89905	13	2	T21-19000	89905	27	1
T1A29040	89905	13	6	T21-191	89905	19	29
T1A29050	89905	13	3	T21-192TB	89905	19	2
T1A39070	89905	24	5	T21-196A	89905	19	26
T1A39080	89905	23	2	T21-197A	89905	19	35
T1A51010	89905	6	13	T21-198	89905	19	25
T1A51020	89905	6	11	T21-2A59MIL	89905	22	1
T1A51030	89905	6	8	T21-201A	89905	3	6
T16-04030	89905	17	3	T21-201A142A	89905	3	1
T2-105A	89905	25	3	T21-22000	89905	30	1
T2-106	89905	27	13	T21-221TA	89905	15	27
T2-108	89905	25	11	T21-223TA	89905	16	10
T2-121	89905	15	3	T21-224	89905	19	23
T2-122A	89905	15	26	T21-225	89905	19	38
T2-125	89905	15	21	T21-232A	89905	24	3
T2-133	89905	30	13	T21-241	89905	29	3
T2-133	89905	31	8	T21-251AG	89905	5	4
T2-133	89905	32	8	T21-29000	89905	6	14
T2-134F	89905	30	10	T21-301	89905	6	5
T2-134F	89905	31	10	T21-302	89905	6	1
T2-134G	89905	32	10	T21-303	89905	10	11
T2-145A	89905	30	4	T21-304A	89905	10	10
T2-145A	89905	31	4	T21-311	89905	10	4
T2-145A	89905	32	4	T21-312	89905	10	6
T2-146A	89905	30	3	T21-315A	89905	10	8
T2-146A	89905	31	3	T21-316A	89905	10	9
T2-146A	89905	32	3	T21-317	89905	10	5
T2-147B	89905	30	2	T21-318A	89905	10	1
T2-174AC	89905	37	13	T21-32000	89905	14	1
T2-18	89905	19	11	T21-321	89905	7	7
T2-23F	89905	11	16	T21-323	89905	7	14
T2-421F	89905	11	21	T21-324A	89905	7	6
T2-453A	89905	11	2	T21-325	89905	7	10
T2-463	89905	37	6	T21-326	89905	7	20
T2-464	89905	11	11	T21-327	89905	7	21
T2-467A	89905	11	23	T21-328	89905	7	16
T2-468	89905	11	12	T21-329	89905	7	23
T2-503A	89905	15	10	T21-33000	89905	16	23
T2-504A	89905	15	7	T21-34000	89905	16	27
T2-520AC	89905	19	27	T21-343	89905	7	12
T2-520C	89905	16	4	T21-35000-68	89905	11	7
T2-601A	89905	28	11	T21-351A	89905	7	4
T2-655	89905	28	9	T21-352	89905	7	9
T2-665A	89905	21	33	T21-353	89905	7	11
T2-665A	89905	27	5	T21-363	89905	12	3
T2-799	89905	30	5	T21-364	89905	12	2
T2-99A	89905	26	7	T21-365	89905	12	1
T2-99A	89905	42	9	T21-37000	89905	11	14
T21-101A	89905	27	4	T21-373	89905	12	5
T21-106A	89905	27	2	T21-376	89905	9	4
T21-121GE	89905	21	7	T21-376	89905	12	6
T21-122G	89905	21	16	T21-377A	89905	9	6
T21-123	89905	21	32	T21-377A	89905	12	8
T21-13000	89905	15	6	T21-378B	89905	9	5
T21-131	89905	35	6	T21-378B	89905	12	7
T21-132	89905	35	10	T21-379A	89905	12	4
T21-133	89905	35	5	T21-380	89905	9	7
T21-134	89905	35	4	T21-380	89905	12	9
T21-135	89905	35	3	T21-39A	89905	11	22
T21-14000	89905	15	9	T21-39001-68	89905	11	1
T21-142A	89905	3	8	T21-4W	89905	35	1
T21-143A	89905	3	12	T21-40A	89905	11	18
T21-151	89905	13	17	T21-401	89905	1	1
T21-153	89905	15	18	T21-41	89905	11	28
T21-154	89905	15	2	T21-413A	89905	19	5
T21-171	89905	19	33	T21-42000	89905	31	1
T21-172	89905	19	40	T21-43	89905	11	4
T21-173	89905	19	22	T21-43000	89905	32	1
T21-174	89905	19	3	T21-44A	89905	11	15
T21-175TF	89905	19	4	T21-46	89905	11	6
T21-177	89905	19	9	T21-47	89905	11	8
T21-178	89905	19	12	T21-47000-68	89905	23	1
T21-179	89905	19	34	T21-48A	89905	11	17
T21-180	89905	19	7	T21-48000-68	89905	29	1
T21-185	89905	19	17	T21-49A	89905	11	19
T21-186	89905	19	24	T21-51	89905	17	2

PART NUMBER	FSCM	FIG NO	ITEM NO	PART NUMBER	FSCM	FIG NO	ITEM NO
T21-52	89905	17	13	WN21-550-70-2-6X8-8	89905	17	15
T21-53A	89905	17	7	WN21-550-70-2-6X8-8	89905	36	15
T21-53000	89905	6	6	WN21-551-12-3X7-8	89905	19	15
T21-54	89905	17	9	WN21-561-12-6X3-2	89905	38	4
T21-54000	89905	19	1	WN21-561-8-4X9-5	89905	22	9
T21-55	89905	17	6	WN21-565-10-4X3X3	89905	29	9
T21-57	89905	17	14	WN21-570-18-2X2-5	89905	16	34
T21-58000	89905	7	17	WN21-570-18-2X2-5	89905	18	8
T21-16	89905	28	30	WN21-570-18-2X2-5	89905	27	6
T21-61001-68	89905	10	1	WN21-570-18-2X2-5	89905	37	15
T21-62	89905	28	28	WN21-570-20-2X3	89905	17	8
T21-63A	89905	28	25	WN21-570-26-2X5	89905	19	39
T21-63A	89905	42	4	WN21-570-32-2-6X4	89905	7	13
T21-64	89905	28	7	WN21-570-35-2-6X5	89905	18	24
T21-65	89905	28	12	WN21-570-46-3LX5	89905	38	20
T21-66	89905	28	16	WN21-570-48-3LX4-7	89905	3	2
T21-68	89905	28	14	WN21-570-51-3X5-5	89905	7	30
T21-69	89905	28	24	WN21-570-54-3X6-3	89905	16	33
T21-72S	89905	28	20	WN21-570-61-4X6	89905	18	2
T21-73	89905	28	21	WN21-570-65-4X9-3	89905	25	7
T21-74	89905	28	22	WN21-571-14-3X11	89905	11	5
T21-75	89905	28	27	WN21-572-19-6X0-5X2-5	89905	21	3
T21-75	89905	42	5	WN21-580-20-4X3-5	89905	18	25
T21-77A	89905	26	4	WN21-595-3-2X1-5X1	89905	32	14
T21-78	89905	26	3	WN21-600-10-3X5-5	89905	23	5
T21-78	89905	42	16	WN21-600-6-2-6X8-5	89905	18	30
T21-79B	89905	26	2	WN21-600-8-2-6X5-5	89905	7	15
T21-80A	89905	26	6	WN21-601-9-4X0-35X8	89905	11	3
T21-94	89905	28	4	WN21-630-20-2X1-3	89905	8	25
T21-95	89905	26	9	WN21-630-21-2X3-5	89905	18	5
T21-95	89905	42	18	WN21-630-22-2X3-8	89905	21	27
T21-96	89905	26	10	WN21-630-22-2X3-8	89905	21	36
T21-96	89905	42	12	WN21-630-23-2X4-5	89905	16	8
T21-96	89905	42	17	WN21-630-24-2X5-5	89905	15	29
UF00001-68	89905	7	1	WN21-630-3-1-4X3-3	89905	9	28
UF0197	89905	7	19	WN21-630-57-4X3-5	89905	6	20
VSM12771	89905	42	3	WN21-640-37-4X0-4X2-4	89905	16	31
VSM12801-2X7	89905	36	21	WN24-120-1-5X18	89905	36	32
VSM12801-3X20	89905	38	29	WN24-120-1-5X7	89905	21	18
VSM12802-2-6X12	89905	38	51	WN24-120-1X5	89905	9	18
VSM12802-2-6X18	89905	38	46	WN24-120-1X5	89905	30	9
WN21-570-18-2X2-5	89905	14	3	WN24-120-1X5	89905	31	9
WN21-600-21-4X0-35X14-5	89905	37	10	WN24-120-1X5	89905	32	9
WN21-500-1-1-7X1	89905	15	23	WN24-140-1-5X4	89905	21	25
WN21-500-1-1-7X1	89905	19	14	WN24-140-1-5X5	89905	18	4
WN21-500-1-1-7X1	89905	20	1	WN24-140-1X6	89905	28	26
WN21-500-12-2X2-1	89905	8	17	WN24-140-2-5X6	89905	38	8
WN21-500-2-1-7X1-2	89905	8	11	WN24-140-4X10	89905	25	9
WN21-500-2-1-7X1-35	89905	9	3	WN24-140-4X50	89905	18	21
WN21-500-2-1-7X1-35	89905	10	14	XT2-100-68	89905	17	1
WN21-500-2-1-7X1-35	89905	16	13	XT2-324-68	89905	30	1
WN21-500-2-1-7X1-35	89905	19	21	XT2-62	89905	18	1
WN21-500-2-1-7X1-35	89905	28	3	XT21-103-68	89905	23	10
WN21-500-2-1-7X1-35	89905	37	16	XT21-107-68	89905	21	1
WN21-500-3-1-7X1-5	89905	11	10	XT21-109-68	89905	5	1
WN21-500-3-1-7X1-5	89905	16	16	XT21-306-68	89905	28	1
WN21-500-4-1-7X2-5	89905	10	13	XT21-307-68	89905	26	1
WN21-500-9-2X1	89905	6	23	XT21-308-68	89905	15	1
WN21-500-9-2X1-3	89905	9	17	XT21-311-68	89905	25	1
WN21-500-9-2X1-5	89905	11	25	XT21-312-68	89905	6	
WN21-500-9-2X1-5	89905	15	24	XT21-317	89905		
WN21-500-9-2X1-5	89905	17	11	XT21-318-68	89905		
WN21-530-1-1-4X1-3	89905	7	29	XT21-402-68	89905	15	12
WN21-530-1-1-4X1-3	89905	7	31	XT21-450-65	89905	40	1
WN21-530-1-1-4X1-5	89905	8	15	XT21-451-65	89905	40	2
WN21-530-14-2X6	89905	18	6	X521-314-68	89905	16	1
WN21-530-5-2X1-5	89905	7	8	1A37	89905	38	19
WN21-540-1-8X17	89905	38	55	1A6ALA	89905	38	6
WN21-540-2-8X30-5	89905	38	42	10009795	09786	40	8
WN21-550-100-3X10	89905	21	31	10010896	09786	34	7
WN21-550-145-5X13-5	89905	15	28	10010896	09786	40	7
WN21-550-24-2X1-5	89905	9	9	10017414	09786	41	4
WN21-550-24-2X1-5	89905	23	4	10017416	09786	41	1
WN21-550-27-2X1	89905	6	9	10017417	09786	41	3
WN21-550-41-2X4	89905	28	29	10018730-009	09786	40	6
WN21-550-44-2X6-3	89905	6	18	10061269	09786	40	13
WN21-550-62-2-6X5	89905	6	10	10061270	09786	40	16
WN21-550-62-2-6X5	89905	40	15	10061271	08976	40	17
WN21-550-65-2-6X7-3	89905	17	5	10061272	09786	40	12
WN21-550-66-2-6X7-3	89905	22	6	10102202	09786	34	1

PART NUMBER	FSCM	FIG NO	ITEM NO	PART NUMBER	FSCM	FIG NO	ITEM NO
10102203	09786	34	2	21A007000-66	89905	38	49
10102204	09786	34	4	21A008000-66	89905	38	2
10102205	09786	34	5	21B000000-66	89905	38	1
10102206	09786	34	3	21B001000	89905	38	35
10194010	09786	34	8	21B002000	89905	38	47
10194010	09786	40	10	21B002000-66	89905	38	30
15100-11	89905	38	21	21B11A	89905	38	38
15100-21	89905	38	16	21B12	89905	38	26
15100-22	89905	38	14	21B13A	89905	38	27
15100-23	89905	38	15	21B14A	89905	38	36
15100-31	89905	38	31	21B15A	89905	38	43
15270-13	89905	11	9	21B16	89905	38	56
16B13LA	89905	38	32	21B18S	89905	38	40
169693	89905	8	7	21B19	89905	38	54
195899	89905	8	1	21B32AS	89905	38	48
2A04060	89905	38	41	21B33	89905	38	32
2A07040	89905	39	4	21B25S	89905	38	28
2A07050	89905	39	5	3A11	89905	38	3
2A07060	89905	39	2	3A50B51A	89905	38	10
2A07070	89905	39	3	3A51A	89905	38	12
2A07101	89905	39	6	3A52B	89905	38	5
2A08100-66	89905	38	17	3A55	89905	5	8
2A20A	89905	38	50	3A59	89905	5	10
2A23A	89905	38	52	3A63A	89905	38	7
2A36B	89905	38	9	3B309	89905	36	33
200455	89905	8	9	316110	89905	1	1
200456	89905	8	3	8X3-2X1	89905	36	6
200459	89905	8	8	9126409	09786	40	4
200460	89905	8	6				

NATIONAL STOCK NUMBER AND PART NUMBER SUPPLEMENTAL INDEX

STOCK NUMBER	FIGURE NO	ITEM NO	STOCK NUMBER	FIGURE NO	ITEM NO
5305-00-418-9676	38	39	6675-00-804-7341	38	44
5120-00-429-2949	39	7	6675-00-863-7471	5	7
6675-00-446-1986	36	28	6675-00-980-0116	5	3
6850-00-680-2233	4	5	6675-00-997-4328	5	6

PART NUMBER	FSCM	FIG NO	ITEM NO	PART NUMBER	FSCM	FIG NO	ITEM NO
EB307A	89905	36	4	T2-636	89905		
GEB10-000000	89905	36		T21-4W	89905	35	8
GZ0F00000-68	89905	5	3	T21-79B	89905	5	7
GZ0M2-03010	89905	9	11	VSM12800-3-5X18	89905	42	19
G0F4-00001	89905	5	6	VSM12801-2-3X12	89905	38	44
HEK1-1	89905	36	11	VSM12802-2-6X12	89905	36	28
HEW2-36	89905	36	10	WN21-630-21-2X3-5	89905	38	39
MIL-D-3716	81349	4	5	WN24-120-2-5X24	89905	19	2
NK01-05010	89905	24	4	XT21-108MIL	89905	3	7
NT2-30	89905	37	3	2A001000	89905	3	1
T1A29001-68	89905	13	1	3A29	89905	39	1
T2-635F	89905	35	9			39	7

By Order of the Secretary of the Army:

Official:

E. C. MEYER
General, United States Army
Chief of Staff

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

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RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL MANUALS



SOMETHING WRONG WITH THIS MANUAL?

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

FROM: (YOUR UNIT'S COMPLETE ADDRESS)
 PFC JOHN DOE
 COA, 3^d ENGINEER BN
 FT. LEONARD WOOD MO 63108

DATE

PUBLICATION NUMBER

TM 5-6675-296-24P

DATE

11 Jul 80

TITLE

Theodolite, Directional; 0.002 Mil Graduation, 5.9 In. Lg Telescope

BE EXACT... PIN-POINT WHERE IT IS

IN THIS SPACE TELL WHAT IS WRONG Detachable Tribach W/Accessories AND WHAT SHOULD BE DONE ABOUT IT: and Tripod

PAGE NO.	PARA-GRAPH	FIGURE NO.	TABLE NO.
----------	------------	------------	-----------

6

2-1
a

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

81

4-3

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

125

line 20

SAMPLE

Ordered a gasket, item 19 on figure B-16 by NSN 2910-00-762-3001. I got a gasket but it doesn't fit. Supply says I got what I ordered, so the NSN is wrong. Please give me a good NSN.

TYPED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

JOHN DOE, PFC (268) 317-7111

SIGN HERE:

John Doe

DA FORM 2028-2
 1 AUG 74

P.S.--IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR MANUAL "FIND," MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.
 DRSTS-M Overprint 1, 1 Nov 78

TEAR ALONG DOTTED LINE

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL MANUALS



SOMETHING WRONG WITH THIS MANUAL?

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

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BE EXACT... PIN-POINT WHERE IT IS

PAGE NO.

PARA-GRAPH

FIGURE NO.

TABLE NO.

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT: Detachable Tribrach W/Accessories and Tripod

TEAR ALONG DOTTED LINE

TYPED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SIGN HERE:

FILL IN YOUR
UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

POSTAGE AND FEES PAID
DEPARTMENT OF THE ARMY

DOD-314

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Materiel Readiness Command
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St. Louis, MO 63120

TEAR ALONG DOTTED LINE

FOLD BACK

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 dekagram = 10 grams = .35 ounce
 1 hectogram = 10 dekagrams = 3.52 ounces
 1 kilogram = 10 hectograms = 2.2 pounds
 1 quintal = 100 kilograms = 220.46 pounds
 1 metric ton = 10 quintals = 1.1 short tons

Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce
 1 deciliter = 10 centiliters = 3.38 fl. ounces
 1 liter = 10 deciliters = 33.81 fl. ounces
 1 dekaliter = 10 liters = 2.64 gallons
 1 hectoliter = 10 dekaliters = 26.42 gallons
 1 kiloliter = 10 hectoliters = 264.18 gallons

Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

To change	To	Multiply by	To change	To	Multiply by
inches	centimeters	2.540	ounce-inches	newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29.573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	newton-meters	1.365	metric tons	short tons	1.102
pound-inches	newton-meters	.11375			

Temperature (Exact)

°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C
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PIN: 046181-001