## HEADQUARTERS DEPARTMENT OF THE ARMY WASHINGTON, DC., 29 April 1977

# AVIATION UNIT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

### FOR

## JACK, HYDRAULIC, AIRCRAFT

10-TON

#### **TYPE A-6**

## PN 53D22004

#### NSN 1730-00-203-4697

### (CURRENT AS OF 20 MARCH 1977)

## **REPORTING OF ERRORS**

You can improve this manual by recommending improvements using DA Form 2028 (Recommended Changes to Publications and Blank Forms) or DA Form 2028-2 (Test) located in the back of the manual and mail the form direct to Commander, US Army Aviation Systems Command, ATTN: DRSAV-FR, PO Box 209, St. Louis, MO 63166. A reply will be furnished direct to you.

## TABLE OF CONTENTS

Sectio	n	Listing Page	lllus. Figure
Ι.	Introduction	2	
١١.	Repair Parts List	7	
111.	Special Tools List (Not Applicable)		1
IV.	NSN and Part No. Index	9	

TECHNICAL MANUAL

No. 55-1730-221-20P-C1

CHANGE

No. 1

## HEADQUARTERS DEPARTMENT OF THE ARMY WASHINGTON D. C., 31 March 1993

## Aviation Unit Maintenance Repair Parts and Special Tools List for JACK, HYDRAULIC, AIRCRAFT 10-TON TYPE A-6 PN 53D22004 NSN 1730-00-203-4697

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

TM 55-1730-221-20P, 29 April 1977, is changed as follows:

Cover Page. Alter the REPORTING OF ERRORS statement to read as shown below.

# REPORTING ERRORS AND RECOMMENDING IMPROVEME'NTS

You can help improve this manual. If you find any errors, or if you know of a way to improve this manual, 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 Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. A reply will be furnished to you.

Page 6, Alter figure 1 in accordance with the following instructions.

Add index number 54 and a lead line pointing to the decal on top of the Jack Base Assembly, item 53.

Page 8, Add item 54 to this page following item 53 as shown below.

Fig No., 1, Item No, 54, SMR Code, PAOZZ, National Stock Number, 76910-01-016-7150, Part Number, 53A22164, FSCM, 98750, Description, Decal, U/M, EA, Qty Inc in Unit, 1.

Page 9, Add two insertions to this page in accordance with the following instructions.

At the top of the page at the bottom of the right hand Stock Number column following Stock Number 3110-00-950-4236 add in Stock Number 76910-01-016-7150, Figure No, 1, Item No. 54.

At the bottom of the page in the right hand Part Number column following Part Number 53A22157 it's listed eight from the top add in Part Number, 53A22164, FSCM, 98750, Fig No., 1, Item No. 54.

2028 Forms. Change the address on the 2028 forms to read Commander, US Army Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis, Mo. 63120-1798.

## DISTRIBUTION:

To be distributed in accordance with DA Form 12-25-E, block 5187, requirements for TM 55-1730-221-20P, C1.

By Order of the Secretary of the Army:

Official:

Mitto A. Hamilton

MILTON H. HAMILTON Administrative Assistant to the Secretary of the Army GORDON R. SULLIVAN General, United States Army Chief of Staff

# Section I. INTRODUCTION

## 1. Scope.

This manual lists spares and repair parts required for performance of Aviation Unit Maintenance (AVUM) of the 10 ton hydraulic aircraft hand jack, type A-6, PN 53D22004. It authorizes the requisitioning and issue of spares and repair parts as indicated by the source and maintenance codes. **NOTE: For detailed explanation of the Three Levels of Maintenance Concept, see Appendix A to this Section.** 

## 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. Parts are listed in figure and item number sequence. Items are indented when required to indicate the relationship to the next higher assembly.

*b.* Section 111. Special Tools List. (Not Applicable).

c. Section IV. National Stock Number and Part Number Index. A list, in ascending National Item Identification Number (NIIN) sequence, of all National stock numbers appearing in the listings, followed by a list, in alphameric sequence, of all part numbers appearing in the listings. National stock number and part numbers are cross-referenced to each illustration figure and item number appearance.

# 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 each item called out in the illustration.

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

(1) Source Code. Source codes are assigned to support items to 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> PA	 Definition Item procured and stocked for anticipated or known usage.
РВ	 Item procured and stocked for insurance purpose because essentiality dictates that a minimum quantity be available in the supply systems.
PC	 Item procured and stocked and which otherwise would be coded PA except that it is deteriorative in nature.
XD	 A support item that is not stocked. When required, item will be procured through normal supply channels.

# NOTE

Cannibalization or salvage may be used as a source of supply for any items source coded above except aircraft support items as restricted by AR 700-42.

(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 the following level of maintenance:

Code	Application/E	xplana	tion	
0	 Support	item	is	removed,
	replaced,	used	at th	e Aviation
	Unit Main	tenanc	e (A∖	/UM) level.

(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 the following maintenance code:

#### Code Application/Explanation Z --- Nonreparable. No repair is authorized.

(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

Code Definition Z --- Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.

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

#### NOTE

### When a stock numbered item is requisitioned, the 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 any additional description required to identify the item. Basis of Issue (BOI) for Special Tools, Ground Support, and Flyaway Equipment.

*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 required for one assembly only, including instances when similar assemblies are broken down together. 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.

The following publications pertain to the 10 ton hydraulic aircraft hand jack.

Publication and Short Title

OPR, SVC AND REPAIR INSTR

- T.O. 35A2-2-39-1/TM 55-1730-220-12 PN 53D22004 (REGENT)
- T.O. 35A2-2-39-11/TM 55-1730-221-12 PN 53D22004 (COLUMBUS)

## 5. How to Locate Repair Parts.

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

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

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

(3) *Third.* Using the Repair Parts Listing, find the 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 ascending National Item Identification Number (NIIN) sequence followed by a list of part numbers in ascending alphameric sequence, cross-referenced to the illustration figure number and item number.

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

6. Abbreviations. (Not Applicable).

### APPENDIX A AVIATION UNIT MAINTENANCE (AVUM) AND AVIATION INTERMEDIATE MAINTENANCE (AVIM) CONCEPT

*a.* This appendix explains the maintenance functions of the Three Levels of Maintenance concept for Army aircraft. These maintenance levels, Aviation Unit Maintenance (AVUM); Aviation Intermediate Maintenance (AVIM); and Depot Maintenance, are shown in the third, fourth, and fifth positions of the SMR codes of this RPSTL as:

0	-	AVUM
<b>—</b>		A \ /IN /

- F AVIM D - DEPOT
- b. The maintenance to be performed below depot level is described as follows:

(1) Aviation Unit Maintenance (AVUM). AVUM activities will be staffed and equipped to perform high frequency "On-Aircraft" maintenance tasks required to maintain a level of aircraft readiness. The maintenance capability of the AVUM will be governed by the Maintenance Allocation Chart (MAC) and limited by the amount and complexity of ground support equipment (GSE), facilities, and number of personnel and critical skills available. The range and quantity of authorized spare modules/components will be consistent with the air mobility concept.

(a) Company Size Aviation Units. These units will perform those tasks which consist primarily of preventive maintenance and repair and replacement functions associated with sustaining a high level of aircraft operational readiness. Perform maintenance inspections and servicing to include preflight, daily, intermediate, periodic, and special inspections as authorized by the MAC. Identify the cause of equipment/system malfunctions using applicable technical manual troubleshooting instructions, builtin-test equipment (BITE), installed aircraft instruments, or easy to use/interpret diagnostic/fault isolation devices (TMDE). Replace worn or damaged modules/ components which do not require complex adjustments or system alignment and which can be removed/installed with available skills, tools, and equipment. Perform operational and continuity checks and make minor repairs to the flight control, propulsion, power train, and fuel systems. Accomplish air frame repair which does not require alignment. The manufacture of airframe parts will be limited to those items which can be fabricated with tools and equipment found in current air mobile tool and shop sets. Evacuate unserviceable modules/components and end items beyond the repair capability of AVUM to the supporting AVIM. (Assignment of maintenance tasks to divisional company size aviation units will consider the overall maintenance capability of the division, the requirement to conserve personnel and equipment resources, and air mobility requirements.

(b) Less Than Company Size Aviation Units. Aviation elements organic to brigade, group, battalion headquarters, and detachment size units are normally small and have fewer than ten aircraft assigned. Maintenance tasks performed by these units will be those which can be accomplished by the aircraft crew chief or assigned aircraft repairman and will normally be limited to preventive maintenance, inspections, servicing, spot painting, stop drilling, application of nonstress patches, minor adjustments, module/component fault diagnosis and replacement of selected modules/components. Repair functions will normally be accomplished by the supporting AVIM unit.

(2) Aviation Intermediate Maintenance (AVIM). AVIM provides mobile, maintenance support to AV AVUM. (Maintenance functions which are not conducive to sustaining air mobility will be assigned to depot maintenance.) Performs all maintenance functions authorized to be done at AVUM. Repair of equipment for return to user will emphasize support or operational readiness requirements. Authorized maintenance includes replacement and repair of modules/components and end items which can be accomplished efficiently with available skills, tools, and equipment. Establishes the Direct Exchange (DX) program for AVUM units by repairing selected items for return to stock (when such repairs cannot be accomplished at the AVUM level). Inspects, troubleshoots, tests, diagnoses, repairs, adjusts, calibrates,

and aligns aircraft system modules/components. AVIM units will have the capability to determine the serviceability of specified modules/components removed prior to the expiration of the Time Between Overhaul (TBO) or finite life. Module/component disassembly and repair will support the DX program and will normally be limited to tasks requiring cleaning and the replacement of seals, fittings, and items of common hardware. Airframe repair and fabrication of parts will be limited to those maintenance tasks which can be performed with available tools and test equipment. Unserviceable reparable modules/components and end items which are beyond the capability of AVIM to repair will be evacuated to Depot Maintenance. AVIM will Perform aircraft weight and balance inspections and other special inspections which exceed AVUM capability. Provides quick response maintenance support, including aircraft recovery and air evacuation, on-the job training, and technical assistance through the use of mobile maintenance contact teams. Maintains authorized operational readiness float aircraft. Provides collection and classification services for serviceable/unserviceable material. Operates a cannibalization activity in accordance with AR 750-50. (The aircraft maintenance company within the maintenance battalion of a division will perform AVIM functions consistent with air mobility requirements and conservation of personnel and equipment resources. Additional intermediate maintenance support will be provided by the supporting non-divisional AVIM unit.)

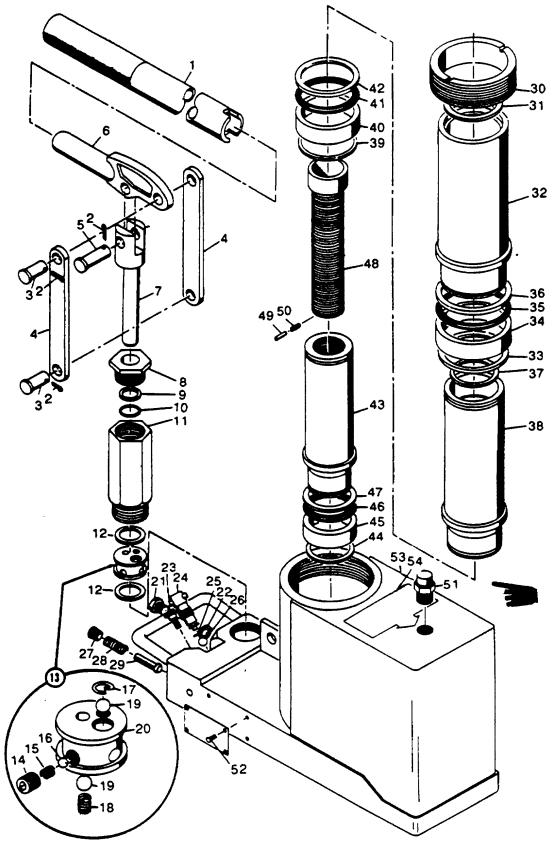


Figure 1. 10-Ton Hydraulic Aircraft Hand Jack.

# **SECTION II**

(' ILLUST	<b>1)</b> RATION	<b>(2)</b>	(3)	(4)	(5)	<b>(6)</b> DESCRIPTION	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	QTY INC IN UNIT
						SECTION II. REPAIR PARTS LIST		UNIT
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	$\begin{array}{c} 2\\ 3\\ 4\\ 5\\ 6\\ 7\\ 8\\ 9\\ 10\\ 11\\ 12\\ 13\\ 14\\ 15\\ 16\\ 17\\ 18\\ 9\\ 20\\ 21\\ 22\\ 3\\ 24\\ 25\\ 26\\ 27\\ 28\\ 29\\ 30\\ 31\\ 32\\ 33\\ 34\end{array}$	PBOZZ PBOZZ	5120-00-629-5608 5315-00-812-3427 5315-00-812-3427 5315-00-812-3427 5315-00-629-5637 5120-00-629-5643 4730-00-720-1961 5330-00-684-5607 5330-00-629-5642 5330-00-629-5642 5330-00-629-5642 5340-00-7790-8548 3110-00-950-4236 5340-00-7790-8548 3110-00-950-4236 5340-00-779-8548 3110-00-950-4236 5340-00-779-8548 3110-00-100-6151 4910-00-779-4353 5365-00-727-5244 5330-00-629-5632 5330-00-629-5632 5330-00-629-5632 5330-00-629-5641 5365-00-702-7515 5120-00-629-3358 5365-00-702-7514 3120-00-580-4970 5330-00-194-3729	MS24665-283 MS20392-4C25 53822097-2 MS20392-4C33 53B22091 53A22103 53A22090 53822036-1 AN6227B10 53A22092 53A22099 53C22096 AN565F428H3 53A22094 MS19061-5 53A22093 MS150457 53A22093 MS150457 53A22093 MS150457 53A22045 53A22045 53A22045 53A22045 53A22045 53A22045 53A22045 53A22045 53A22045 53A22045 53A22045 53A22045 53A22045 53A22045 53A22045 53A22045 53A22045 53A22045 53A22045 53A22044 53A22010 53C22035-9 53C22011 53C22035-6 53A22015	97151 96906 96906 98750 96906 80049 80049 98750 80049 88044 90049 80049 96906 80049 96906 80049 96906 80049 96906 80049 98750 80049 80049 80049 80049 80049 80049	HANDLE, PUMP PIN PIN LINK, PUMP PIN ROCKER ARM PISTON, PUMP PACKING NUT PACKING, PREFORMED PACKING BODY, PUMP GASKET VALVE ASSY SCREW SPRING, HELICAL, COMPRESSION BALL, BEARING RING, RETAINER SPRING, HELICAL, COMPRESSION BALL, BEARING VALVE, PUMP SCREW, ADJUSTING GASKET SCREW, SHOULDER VALVE, RELEASE PACKING BALL, BEARING PLUG SPRING, HELICAL, COMPRESSION SCREEN, PUMP BUSHING, HYDRAULIC RING, RETAINING RAM, FIRST STAGE RING, RETAINING BEARING, SLEEVE PACKING	888888888888888888888888888888888888888	1 3 2 2 1 1 1 1 1 1 2 1 1 1 1 1 2 1 1 1 1
1 1 1	37 38	PBOZZ PBOZZ	5330-00-634-5614 5365-00-688-0311 5120-00-629-3359 5365-00-688-0310	53C22035-10 53C22012	80049 80049 80049 80049	PACKING, PREFORMED RING, RETAINING RAM, SECOND STAGE RING, RETAINING	FA EA EA EA	1 1 1 1

# **SECTION II**

# TM 55-1730-221-20P

(' ILLUST	1) RATION	(2)	(3)	(4)	(5)	(6) Description	(7)	(8)
(a) FIG NO.	(b) ITEM NO.		NATIONAL STOCK NUMBER	PART NUMBER	FSCM	USABLE ON CODE	U/M	QTY INC IN UNIT
1	40	PBOZZ	3120-00-580-4967	53A22016	80049	BEARING, SLEEVE	EA	1
1	41	PBOZZ	5330-00-194-3719	AN6227B37	88344	PACKING	EA	1
1	42	PBOZZ	5330-00-684-5613	53C22069-5	80049	PACKING, PREFORMED	EA	1
1	43	PBOZZ	5120-00-629-5645	53B22018	80049	RAM, THIRD STAGE	EA	1
1	44	PBOZZ	5365-00-688-0261	53C22035-8	80049	RING, RETAINING	EA	1
1	45	PBOZZ	3120-00-580-4974	53A22017	80049	BEARING, SLEEVE	EA	1
1	45	PBOZZ	5330-00-297-9986	MS28775-329	96906	PACKING	EA	1
1	47	PBOZZ	5330-00-016-9929	53C22069-6	93750	RETAINER, PACKING	EA	1
1	48	PB0ZZ	1730-00-629-5644	53B22014	80049	SCREW, EXTENSION	EA	1
1	49	PBOZZ	1730-00-253-9391	53A22041	99750	PLUNGER, RETAINER, JACK	EA	1
1	50	PBOZZ	5360-00-629-5629	53A22040	80049	SPRING, HELICAL, COMPRESSIO	N EA	1
1	31	PBOZZ	1730-00-212-4500	50B7763	98750	VENT	EA	1
1	52	PBOZZ	5305-00-253-5606	MS21318-7	96906	SCREW	EA	4
1	53	XDOZZ		53D22007	98750	BASE ASSY, JACK	EA	1

# NATIONAL STOCK NUMBER AND PART NUMBER INDEX

STOCK	FIG.		TEM	STOCK		G.	ITEM
NUMBER	NO.		NO.	NUMBER		0.	NO.
5330-00-016-9929	1		47	1730-00-629-5642	1		11
3110-00-100-6151	1		19	5120-00-629-5643	1		7
3110-00-100-6155	1		26	1730-00-629-5644	1		48
5330-00-194-3719	1		41	5120-00-629-5645	1		43
5330-00-194-3729	1		35	5330-00-684-5607	1		9
1730-00-212-4500	1		51	5330-00-684-5613	1		42
5305-00-253-5606	1		52	5330-00-684-5614	1		36
1730-00-253-9391	1		49	5365-00-688-0261	1		44
4730-00-277-6324	1		27	5365-00-688-0311	1		37
5330-00-297-9986	1		46	5365-00-702-7514	1		33
5330-00-350-9013	1		10	5365-00-702-7515	1		31
5330-00-494-3191	1		22	5120-00-720-1012	1		29
5330-00-580-1826	1		12	4730-00-720-1961	1		8
3120-00-580-4967	1		40	5365-00-727-5422	1		21
3120-00-580-4970	1		34	5340-00-775-5106	1		17
3120-00-580-2133	1		45	4910-00-779-4353	1		20
5330-00-582-2133	1		25	5360-00-790-8548	1		15
5120-00-629-3358	1		32	5305-00-801-0047	1		23
5120-00-629-3359	1		38	5360-00-809-1648	1		18
5120-00-629-5608	1		1	5315-00-812-3427	1		3
5360-00-629-5627	1		28	5315-00-812-3683	1		5
5360-00-629-5629	1		50	5315-00-842-3044	1		2
1730-00-629-5632	1		24	4820-00-933-2038	1		13
5120-00-629-5637	1		6	3110-00-950-4236	1		16
5120-00-629-5641	1		30				
PART		FIG.	ITEM	PART		FIG.	ITEM
NUMBER	FSCM	NO.	NO.	NUMBER	FSCM	NO.	NO.
AN565F4283	88044	<b>NO</b> . 1	14	53A22093	80049	1	18
	88044 88044		14 10		80049 80049		18 15
AN565F4283 AN6227B10 AN6227B37	88044 88044 88044	1	14 10 41	53A22093 53A22094 53A22095	80049 80049 80049	1	18 15 17
AN565F4283 AN6227B10 AN6227B37 AN6227B42	88044 88044 88044 88044	1	14 10 41 3	53A22093 53A22094 53A22095 53A22098	80049 80049 80049 98750	1 1	18 15 17 22
AN565F4283 AN6227B10 AN6227B37 AN6227B42 AN932-4	88044 88044 88044	1	14 10 41 3 27	53A22093 53A22094 53A22095 53A22098 53A22099	80049 80049 80049 98750 80049	1 1 1	18 15 17 22 12
AN565F4283 AN6227B10 AN6227B37 AN6227B42	88044 88044 88044 88044 88044 96906	1	14 10 41 3 27 19	53A22093 53A22094 53A22095 53A22098 53A22099 53A22099 53A22102	80049 80049 80049 98750 80049 80049	1 1 1 1	18 15 17 22 12 11
AN565F4283 AN6227B10 AN6227B37 AN6227B42 AN932-4 MS150457 MS150461	88044 88044 88044 88044 88044 96906 96906	1	14 10 41 3 27 19 26	53A22093 53A22094 53A22095 53A22098 53A22099 53A22102 53A22103	80049 80049 80049 98750 80049 80049 80049	1 1 1 1	18 15 17 22 12 11 7
AN565F4283 AN6227B10 AN6227B37 AN6227B42 AN932-4 MS150457 MS150461 MS190461	88044 88044 88044 88044 88044 96906 96906 96906	1 1 1 1 1	14 10 41 3 27 19 26 16	53A22093 53A22094 53A22095 53A22098 53A22099 53A22102 53A22103 53A22157	80049 80049 98750 80049 80049 80049 80049 80049	1 1 1 1 1	18 15 17 22 12 11 7 24
AN565F4283 AN6227B10 AN6227B37 AN6227B42 AN932-4 MS150457 MS150461 MS190461 MS20392-4C25	88044 88044 88044 88044 96906 96906 96906 96906	1 1 1 1 1	14 10 41 3 27 19 26 16 3	53A22093 53A22094 53A22095 53A22098 53A22099 53A22102 53A22103 53A22157 53B22014	80049 80049 98750 80049 80049 80049 80049 80049 80049	1 1 1 1 1	18 15 17 22 12 11 7 24 14
AN565F4283 AN6227B10 AN6227B37 AN6227B42 AN932-4 MS150457 MS150461 MS190461	88044 88044 88044 88044 96906 96906 96906 96906 96906	1 1 1 1 1	14 10 41 3 27 19 26 16 3 5	53A22093 53A22094 53A22095 53A22098 53A22099 53A22102 53A22103 53A22157 53B22014 53B22118	80049 80049 98750 80049 80049 80049 80049 80049 80049 80049	1 1 1 1 1 1	18 15 17 22 12 11 7 24 14 43
AN565F4283 AN6227B10 AN6227B37 AN6227B42 AN932-4 MS150457 MS150461 MS190461 MS20392-4C25 MS20392-4C23 MS21318-7	88044 88044 88044 88044 96906 96906 96906 96906 96906 96906 96906	1 1 1 1 1	14 10 41 3 27 19 26 16 3 5 52	53A22093 53A22094 53A22095 53A22098 53A22099 53A22102 53A22103 53A22157 53B22014 53B22118 53B22036-1	80049 80049 98750 80049 80049 80049 80049 80049 80049 80049 80049	1 1 1 1 1 1 1 1 1	18 15 17 22 12 11 7 24 14 43 9
AN565F4283 AN6227B10 AN6227B37 AN6227B42 AN932-4 MS150457 MS150461 MS190461 MS20392-4C25 MS20392-4C25 MS20392-4C33 MS21318-7 MS2466-283	88044 88044 88044 88044 96906 96906 96906 96906 96906 96906 96906 96906	1 1 1 1 1	14 10 41 3 27 19 26 16 3 5 52 2	53A22093 53A22094 53A22095 53A22098 53A22099 53A22102 53A22103 53A22157 53B22014 53B22014 53B22036-1 53B22091	80049 80049 98750 80049 80049 80049 80049 80049 80049 80049 80049 80049 80049	1 1 1 1 1 1 1 1 1	18 15 17 22 12 11 7 24 14 43
AN565F4283 AN6227B10 AN6227B37 AN6227B42 AN932-4 MS150457 MS150461 MS190461 MS20392-4C25 MS20392-4C33 MS21318-7 MS2466-283 MS28775-011	88044 88044 88044 88044 96906 96906 96906 96906 96906 96906 96906 96906 96906	1 1 1 1 1	14 10 41 3 27 19 26 16 3 5 52 2 25	53A22093 53A22094 53A22095 53A22098 53A22099 53A22102 53A22103 53A22157 53B22014 53B22118 53B22036-1	80049 80049 98750 80049 80049 80049 80049 80049 80049 80049 80049 80049 80049 80049	1 1 1 1 1 1 1 1 1	18 15 17 22 12 11 7 24 14 43 9
AN565F4283 AN6227B10 AN6227B37 AN6227B42 AN932-4 MS150457 MS150461 MS190461 MS20392-4C25 MS20392-4C33 MS21318-7 MS2466-283 MS28775-011 MS28775-329	88044 88044 88044 88044 96906 96906 96906 96906 96906 96906 96906 96906	1 1 1 1 1	14 10 41 3 27 19 26 16 3 5 52 2 25 46	53A22093 53A22094 53A22095 53A22098 53A22099 53A22102 53A22102 53A22103 53A22157 53B22014 53B22014 53B22014 53B22091 53B22091 53B22097-2 53B22101	80049 80049 98750 80049 80049 80049 80049 80049 80049 80049 80049 80049 98750 97151	1 1 1 1 1 1 1 1 1	18 15 17 22 12 11 7 24 14 43 9 6 4 1
AN565F4283 AN6227B10 AN6227B37 AN6227B42 AN932-4 MS150457 MS150461 MS190461 MS20392-4C25 MS20392-4C33 MS21318-7 MS2466-283 MS28775-011	88044 88044 88044 88044 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906	1 1 1 1 1	14 10 41 3 27 19 26 16 3 52 25 46 51	53A22093 53A22094 53A22095 53A22098 53A22099 53A22102 53A22103 53A22157 53B22014 53B22014 53B22014 53B22091 53B22091 53B22091 53B22097-2 53B22101 53C22011	80049 80049 98750 80049 80049 80049 80049 80049 80049 80049 80049 98750 97151 80049	1 1 1 1 1 1 1 1 1 1	18 15 17 22 11 7 24 14 43 9 6 4 1 32
AN565F4283 AN6227B10 AN6227B37 AN6227B42 AN932-4 MS150457 MS150461 MS190461 MS20392-4C25 MS20392-4C33 MS21318-7 MS2466-283 MS28775-011 MS28775-329	88044 88044 88044 88044 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906	1 1 1 1 1	14 10 41 3 27 19 26 16 3 5 52 2 25 46	53A22093 53A22094 53A22095 53A22098 53A22099 53A22102 53A22102 53A22103 53A22157 53B22014 53B22014 53B22014 53B22091 53B22091 53B22097-2 53B22101	80049 80049 98750 80049 80049 80049 80049 80049 80049 80049 80049 80049 98750 97151	1 1 1 1 1 1 1 1 1 1 1	18 15 17 22 12 11 7 24 14 43 9 6 4 1
AN565F4283 AN6227B10 AN6227B37 AN6227B42 AN932-4 MS150457 MS150461 MS190461 MS20392-4C25 MS20392-4C25 MS20392-4C33 MS21318-7 MS2466-283 MS28775-011 MS28775-329 50B7763	88044 88044 88044 88044 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906	1 1 1 1 1	14 10 41 3 27 19 26 16 3 52 25 46 51	53A22093 53A22094 53A22095 53A22098 53A22099 53A22102 53A22103 53A22157 53B22014 53B22014 53B22014 53B22091 53B22091 53B22091 53B22097-2 53B22101 53C22011	80049 80049 98750 80049 80049 80049 80049 80049 80049 80049 80049 98750 97151 80049	1 1 1 1 1 1 1 1 1 1 1	18 15 17 22 11 7 24 14 43 9 6 4 1 32
AN565F4283 AN6227B10 AN6227B37 AN6227B42 AN932-4 MS150457 MS150461 MS190461 MS20392-4C25 MS20392-4C25 MS20392-4C33 MS21318-7 MS2466-283 MS28775-011 MS28775-329 50B7763 53A22010 53A22015 53A22016	88044 88044 88044 88044 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906 98750 80049 80049	1 1 1 1 1	14 10 41 3 27 19 26 16 3 5 2 25 46 51 30 34 40	53A22093 53A22094 53A22095 53A22098 53A22099 53A22102 53A22103 53A22157 53B22014 53B22014 53B22036-1 53B22091 53B22091 53B22097-2 53B22101 53C22012 53C22012 53C22035-10 53C22035-6	80049 80049 98750 80049 80049 80049 80049 80049 80049 80049 80049 98750 97151 80049 80049 80049	1 1 1 1 1 1 1 1 1 1 1 1 1	18 15 17 22 11 7 24 14 43 9 6 4 1 32 38
AN565F4283 AN6227B10 AN6227B37 AN6227B42 AN932-4 MS150457 MS150461 MS190461 MS20392-4C25 MS20392-4C25 MS20392-4C33 MS21318-7 MS2466-283 MS28775-011 MS28775-011 MS28775-329 50B7763 53A22010 53A22015 53A22016 53A22037	88044 88044 88044 88044 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906 98750 80049 80049 80049	1 1 1 1 1	14 10 41 3 27 19 26 16 3 5 2 25 46 51 30 34 40 41	53A22093 53A22094 53A22095 53A22098 53A22099 53A22102 53A22102 53A22103 53A22157 53B22014 53B22014 53B22036-1 53B22091 53B22091 53B22097-2 53B22101 53C22012 53C22012 53C22012 53C22035-10 53C22035-6 53C22035-8	80049 80049 98750 80049 80049 80049 80049 80049 80049 80049 80049 98750 97151 80049 80049 80049 80049 80049 80049	1 1 1 1 1 1 1 1 1 1 1 1 1	18 15 17 22 12 11 7 24 14 43 9 6 4 1 32 38 37 33 44
AN565F4283 AN6227B10 AN6227B37 AN6227B42 AN932-4 MS150457 MS150461 MS190461 MS20392-4C25 MS20392-4C25 MS20392-4C33 MS21318-7 MS2466-283 MS28775-011 MS28775-329 50B7763 53A22010 53A22015 53A22016 53A22037 53A22038	88044 88044 88044 88044 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906 98750 80049 80049 80049 80049	1 1 1 1 1	14 10 41 3 27 19 26 16 3 5 2 25 46 51 30 34 40 41 29	53A22093 53A22094 53A22095 53A22098 53A22099 53A22102 53A22102 53A22103 53A22157 53B22014 53B22014 53B22036-1 53B22091 53B22091 53B22097-2 53B22097-2 53B22101 53C22012 53C22012 53C22035-10 53C22035-6 53C22035-8 53C22035-9	80049 80049 98750 80049 80049 80049 80049 80049 80049 80049 80049 98750 97151 80049 80049 80049 80049 80049 80049 80049 80049 80049	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18 15 17 22 12 11 7 24 14 43 9 6 4 1 32 38 37 33 44 31
AN565F4283 AN6227B10 AN6227B37 AN6227B42 AN932-4 MS150457 MS150461 MS190461 MS20392-4C25 MS20392-4C33 MS21318-7 MS2466-283 MS28775-011 MS28775-329 50B7763 53A22010 53A22010 53A22016 53A22037 53A22038 53A22040	88044 88044 88044 88044 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906 98750 80049 80049 80049 80049 80049	1 1 1 1 1	$     \begin{array}{r}       14\\       10\\       41\\       3\\       27\\       19\\       26\\       16\\       3\\       5\\       52\\       2\\       25\\       46\\       51\\       30\\       34\\       40\\       41\\       29\\       53\\     \end{array} $	53A22093 53A22094 53A22095 53A22098 53A22099 53A22102 53A22102 53A22103 53A22157 53B22014 53B22014 53B22036-1 53B22091 53B22091 53B22097-2 53C22012 53C22035-10 53C22035-8 53C22035-9 53C22069-4	80049 80049 98750 80049 80049 80049 80049 80049 80049 80049 80049 98750 97151 80049 80049 80049 80049 80049 80049 80049 80049	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18 15 17 22 12 11 7 24 14 43 9 6 4 1 32 38 37 33 44 31 36
AN565F4283 AN6227B10 AN6227B37 AN6227B42 AN932-4 MS150457 MS150461 MS20392-4C25 MS20392-4C25 MS20392-4C33 MS21318-7 MS2466-283 MS28775-011 MS28775-329 50B7763 53A22010 53A22010 53A22016 53A22016 53A22037 53A22038 53A22040 53A22041	88044 88044 88044 88044 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906 98750 80049 80049 80049 80049 80049 80049	1 1 1 1 1	$     \begin{array}{r}       14\\       10\\       41\\       3\\       27\\       19\\       26\\       16\\       3\\       5\\       52\\       2\\       25\\       46\\       51\\       30\\       34\\       40\\       41\\       29\\       53\\       49\\     \end{array} $	53A22093 53A22094 53A22095 53A22098 53A22099 53A22102 53A22102 53A22103 53A22157 53B22014 53B22014 53B22036-1 53B22091 53B22097-2 53B22097-2 53B22097-2 53B22097-2 53B22011 53C22012 53C22012 53C22035-10 53C22035-6 53C22035-8 53C22035-9 53C22069-4 53C22069-5	80049 80049 98750 80049 80049 80049 80049 80049 80049 80049 80049 98750 97151 80049 80049 80049 80049 80049 80049 80049 80049 80049 80049 80049 80049	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18 15 17 22 12 11 7 24 14 43 9 6 4 1 32 38 37 33 44 31 36 42
AN565F4283 AN6227B10 AN6227B37 AN6227B42 AN932-4 MS150457 MS150461 MS190461 MS20392-4C25 MS20392-4C33 MS21318-7 MS2466-283 MS28775-011 MS28775-329 50B7763 53A22010 53A22010 53A22016 53A22037 53A22038 53A22040	88044 88044 88044 88044 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906 98750 80049 80049 80049 80049 80049	1 1 1 1 1	$\begin{array}{c} 14\\ 10\\ 41\\ 3\\ 27\\ 19\\ 26\\ 16\\ 3\\ 52\\ 2\\ 25\\ 46\\ 51\\ 30\\ 34\\ 40\\ 41\\ 29\\ 53\\ 49\\ 23\end{array}$	53A22093 53A22094 53A22095 53A22098 53A22099 53A22102 53A22102 53A22103 53A22157 53B22014 53B22014 53B22036-1 53B22091 53B22091 53B22097-2 53B22097-2 53B22011 53C22012 53C22012 53C22035-10 53C22035-6 53C22035-8 53C22035-9 53C22069-4 53C22069-5 53C22069-6	80049 80049 98750 80049 80049 80049 80049 80049 80049 80049 80049 98750 97151 80049 80049 80049 80049 80049 80049 80049 80049 80049	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18 15 17 22 11 7 24 14 43 9 6 4 1 32 38 37 33 44 31 36 42 47
AN565F4283 AN6227B10 AN6227B37 AN6227B42 AN932-4 MS150457 MS150461 MS20392-4C25 MS20392-4C25 MS20392-4C33 MS21318-7 MS2466-283 MS28775-011 MS28775-329 50B7763 53A22010 53A22010 53A22016 53A22016 53A22037 53A22038 53A22040 53A22041	88044 88044 88044 88044 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906 98750 80049 80049 80049 80049 80049 80049	1 1 1 1 1	$     \begin{array}{r}       14\\       10\\       41\\       3\\       27\\       19\\       26\\       16\\       3\\       5\\       52\\       2\\       25\\       46\\       51\\       30\\       34\\       40\\       41\\       29\\       53\\       49\\     \end{array} $	53A22093 53A22094 53A22095 53A22098 53A22099 53A22102 53A22102 53A22103 53A22157 53B22014 53B22014 53B22036-1 53B22091 53B22097-2 53B22097-2 53B22097-2 53B22097-2 53B22011 53C22012 53C22012 53C22035-10 53C22035-6 53C22035-8 53C22035-9 53C22069-4 53C22069-5	80049 80049 98750 80049 80049 80049 80049 80049 80049 80049 80049 98750 97151 80049 80049 80049 80049 80049 80049 80049 80049 80049 98750 80049 98750 80049	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18 15 17 22 12 11 7 24 14 43 9 6 4 1 32 38 37 33 44 31 36 42
AN565F4283 AN6227B10 AN6227B37 AN6227B42 AN932-4 MS150457 MS150461 MS190461 MS20392-4C25 MS20392-4C25 MS20392-4C33 MS21318-7 MS2466-283 MS28775-011 MS28775-329 50B7763 53A22010 53A22010 53A22015 53A22016 53A22016 53A22037 53A22038 53A22040 53A22041 53A22041 53A22043 53A22144 53A22045	88044 88044 88044 88044 96906 96906 96906 96906 96906 96906 96906 96906 96906 98750 80049 80049 80049 80049 80049 80049 80049 98750 98750	1 1 1 1 1	$\begin{array}{c} 14\\ 10\\ 41\\ 3\\ 27\\ 19\\ 26\\ 16\\ 3\\ 5\\ 2\\ 25\\ 46\\ 51\\ 30\\ 34\\ 40\\ 41\\ 29\\ 53\\ 49\\ 23\\ 29\\ 21\end{array}$	53A22093 53A22094 53A22095 53A22098 53A22099 53A22102 53A22102 53A22103 53A22157 53B22014 53B22014 53B22091 53B22091 53B22091 53B22097-2 53B22097-2 53B22011 53C22012 53C22035-10 53C22035-6 53C22035-8 53C22035-8 53C22035-8 53C22035-9 53C22069-4 53C22069-5 53C22069-6 53C22092-2 53C22092-2 53C22096-3	80049 80049 98750 80049 80049 80049 80049 80049 80049 80049 98750 97151 80049 80049 80049 80049 80049 80049 80049 80049 80049 98750 80049 98750 80049 98750	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18 15 17 22 11 7 24 14 43 9 6 4 1 32 38 37 33 44 31 36 42 47 20 13
AN565F4283 AN6227B10 AN6227B37 AN6227B42 AN932-4 MS150457 MS150461 MS20392-4C25 MS20392-4C25 MS20392-4C33 MS21318-7 MS2466-283 MS28775-011 MS28775-329 50B7763 53A22010 53A22010 53A22015 53A22016 53A22016 53A22037 53A22038 53A22040 53A22041 53A22043 53A22043 53A22144	88044 88044 88044 88044 96906 96906 96906 96906 96906 96906 96906 96906 96906 96906 98750 80049 80049 80049 80049 80049 80049 80049 80049	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	$\begin{array}{c} 14\\ 10\\ 41\\ 3\\ 27\\ 19\\ 26\\ 16\\ 3\\ 52\\ 2\\ 25\\ 46\\ 51\\ 30\\ 34\\ 40\\ 41\\ 29\\ 53\\ 49\\ 23\\ 29\end{array}$	53A22093 53A22094 53A22095 53A22098 53A22099 53A22102 53A22102 53A22103 53A22157 53B22014 53B22014 53B22014 53B22091 53B22091 53B22097-2 53B22091 53C22011 53C22012 53C22035-10 53C22035-8 53C22035-8 53C22035-9 53C22069-4 53C22069-5 53C22069-6 53C22092-2	80049 80049 98750 80049 80049 80049 80049 80049 80049 80049 80049 98750 97151 80049 80049 80049 80049 80049 80049 80049 80049 80049 98750 80049 98750 80049	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18 15 17 22 11 7 24 14 43 9 6 4 1 32 8 37 33 44 31 36 42 47 20

# By Order of the Secretary of the Army:

Official:

**BERNARD W. ROGERS** 

General, United States Army Chief of Staff

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

## **DISTRIBUTION:**

To be distributed in accordance with DA Form 12-31 (qty rqr block no. 322) Organizational Maintenance Requirements for All Fixed and Rotor Wing Aircraft.

£ 2	SOMETHING WRONG WITH THIS PUBLICATION
DOPE A FORM,	JOT DOWN THE BOUT IT ON THIS CAREFULLY TEAR IT DLD IT AND DROP IT MAIL! DATE BENT
LICATION NUMBER	PUBLICATION DATE PUBLICATION TITLE
EXACTPIN-POINT WHERE IT IS GE PARA- D. GRAPH FIGURE TABLE NO NO.	IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:
ATED MAME, GRADE OR TITLE, AND TELE	PHONE NUMBER SIGN HERE:

PIN: 015013-000