

NOVEMBER 15, 1943



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NOTE: This catalog replaces AN 03-20E-7 dated February 25, 1943.

AEROPRODUCTS
CONSTANT SPEED
PROPELLERS
PARTS CATALOG

AN 03-20E-7
A.P. NO. 2592A

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T.O. No. 03-20E-7

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LIST OF REVISED PAGES ISSUED

NOTE: A heavy black vertical line, to the left of the text on revised pages, indicates the extent of the revision. This line is omitted where more than 50 percent of the page is revised.

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December 27, 1943

AIRCRAFT ACCESSORIES

**PROPELLERS AND ACCESSORIES—DIMENSIONAL INSPECTION OF
REGULATOR HOUSING BEARING AND COVER BEARING—AEROPRODUCTS**

This Technical Order replaces T. O. No. 03-20E-8, dated June 5, 1943, revised to amend paragraphs 1. and 2.

NOTE The provisions of T. O. No. 00-20A will be complied with in this case, these instructions being entered on AAF Forms 60-A for the airplanes affected. The work directed herein will be accomplished by sub-depots and depots not later than the next propeller overhaul. Compliance with these instructions will be entered on AAF Forms 61 covering the propellers affected. Maintenance propeller assemblies and regulators in stock will be inspected prior to issue and modified, if necessary.

1. To insure proper clearance between the housing bearing, part No. 6510335, cover bearing, part No. 6510442, and the regulator gear bearing surface of Aeroproducts propellers, models A632S-C1 and A632S-C4, installed on P-39N and P-39Q series airplanes, all these propellers will be inspected and modified as prescribed in paragraph 2., if not already accomplished.

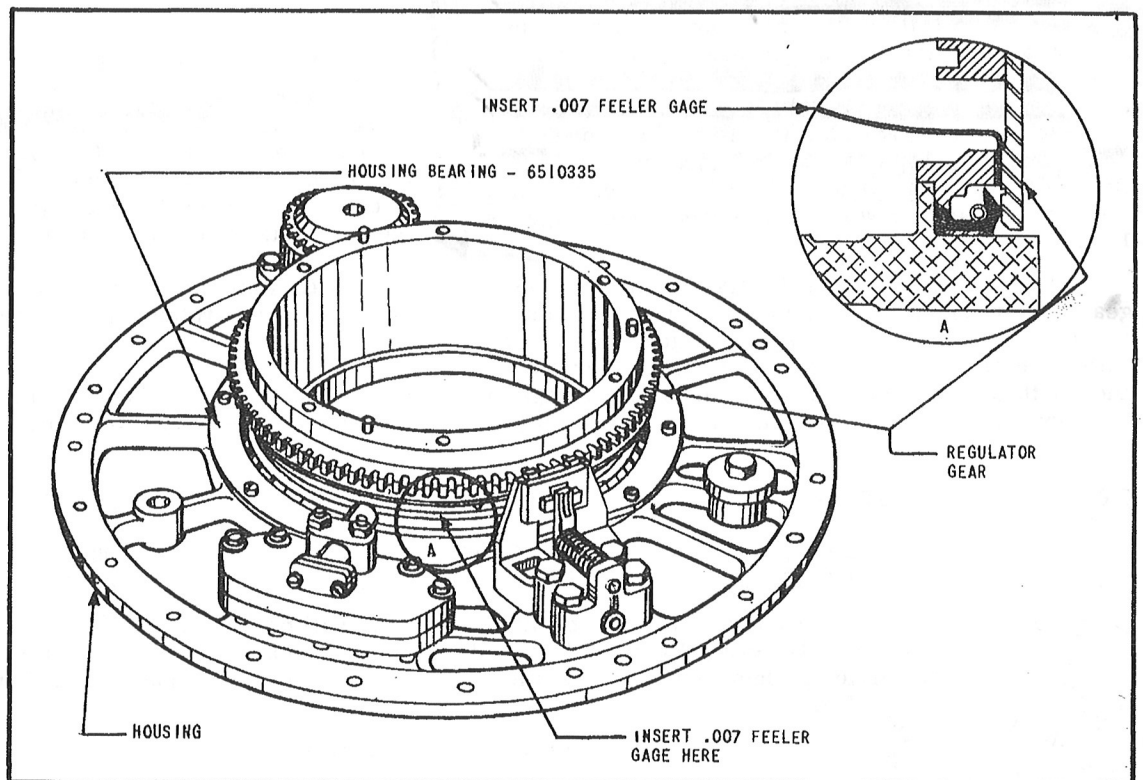
2. The instructions for accomplishing this inspection as outlined in Aeroproducts Field Product Modifica-

tion No. 1, dated March 18, 1943, and Service Bulletin 46, dated November 18, 1943, are as follows:

a. Remove the propeller from the airplane, remove the regulator from the hub, and disassemble the regulator.

b. With the regulator cover bearing, part No. 6510442, assembled to the regulator cover and the housing bearing, part No. 6510335, assembled to the

Figure 1



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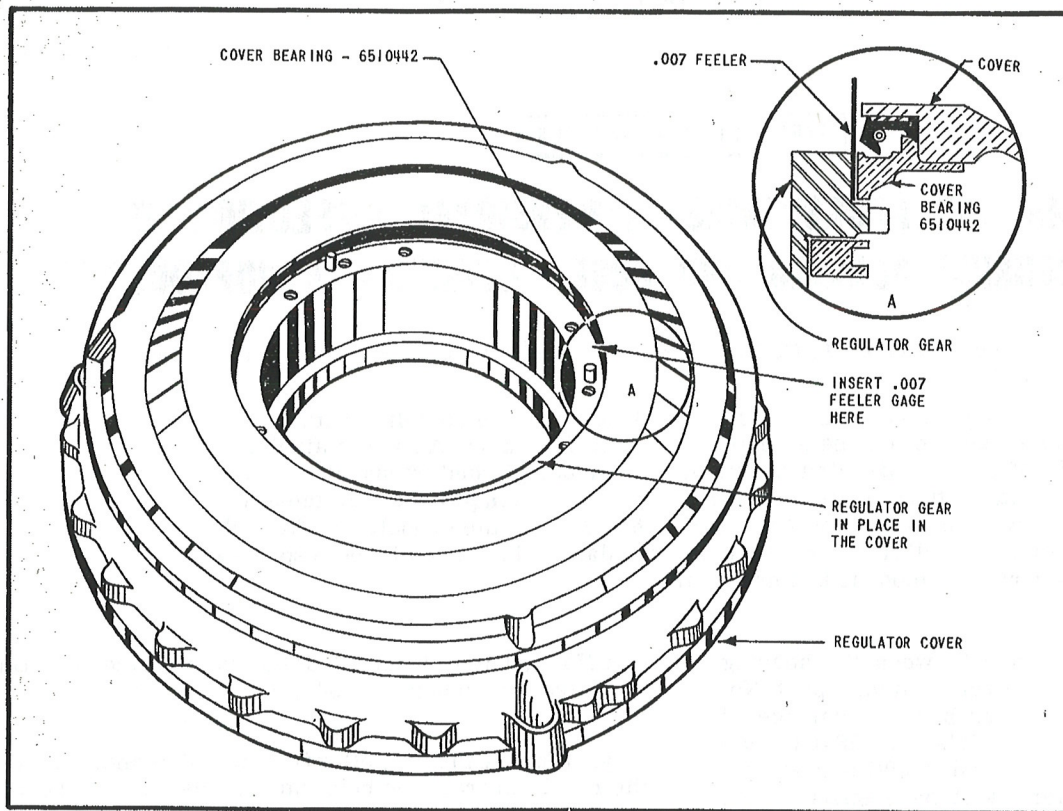


Figure 2

regulator housing, install the regulator gear in the housing and in the cover and check as follows:

(1) Place one feeler gage, .007 inch, between the regulator gear bearing surface and the bearing, housing or cover, to be checked. Move this gage completely around the circumference of the regulator gear. If the clearance is greater than .007 inch, a .013-inch feeler gage will be used to determine that the maximum clearance allowed is not exceeded. The clearance must be between .007 inch and .013 inch. Bearings with less than .007-inch or greater than .013-inch clearance will be replaced. (See figures 1 and 2.)

(2) To check the possibility of the regulator gear and bearings being out-of-round concentrically to each other, rotate the regulator gear 90 degrees with relation to the bearings and recheck the clearance with a .007-inch and a .013-inch feeler gage in the same manner as prescribed in paragraph 2.b.(1).

(3) The clearance may be considered satisfactory if there is sufficient clearance to permit entrance of the feeler gage at all points around the circumference of the regulator gear, within the specified tolerance.

c. Reassemble the regulator.

d. Stencil the figure "8" with a 3/8-inch steel stencil on the regulator cover filler plug boss. This figure signifies that T. O. No. 03-20E-8 has been complied with. Compliance with this Technical Order can be seen by opening the inspection door in the gear reduction box cowling.

e. Reinstall the regulator on the hub and the propeller on the airplane, then ground run-up and test flight the propeller.

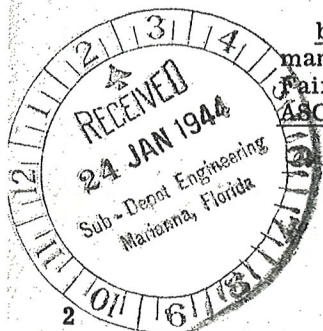
3. a. The following parts are required per propeller to accomplish this modification.

QTY	STOCK NO.	NOMENCLATURE	CLASS	SOURCE
1	4002-6510335	Bearing - Housing	03-A	AF Stock
1	4002-6510442	Bearing - Cover	03-A	AF Stock

b. The parts removed and not reinstalled will be forwarded to the Commanding General, Headquarters, Air Service Command, Patterson Field, Fairfield, Ohio, marked for the attention: Chief, Maintenance Division, 48CMS3P.

By Command of General ARNOLD:

WALTER H. FRANK,
Major General, U. S. A.,
Commanding General, Air Service Command.



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WAR DEPARTMENT
HEADQUARTERS OF THE ARMY AIR FORCES
WASHINGTON



TECHNICAL ORDER
No. 03-20E-9

December 17, 1943

AIRCRAFT ACCESSORIES

PROPELLERS AND ACCESSORIES—CONVERSION OF GOVERNOR— MODEL A632S-C1 AND A632S-C4 PROPELLERS—AEROPRODUCTS

NOTE The provisions of T. O. No. 00-20A will be complied with in this case, these instructions being entered on AAF Forms 60-A for the airplanes affected. The work directed herein will be accomplished by sub-depots and depots, not later than the next propeller overhaul. Compliance with these instructions will be entered on AAF Forms 61 covering the propeller affected. Maintenance propellers in stock will be modified prior to issue.

1. To provide improved governor action throughout the entire range of propeller operation, all model A632S-C1 propellers with regulator serial numbers subsequent to 3552 and all model A632S-C4 propellers with regulator serial numbers prior to 6933, installed on P-39N and Q series airplanes, will be modified as prescribed in paragraph 2., if not already accomplished.

2. The work directed herein is as outlined in Aero-products Field Product Modification No. 2, dated November 1, 1943.

- a. Remove the propeller.
- b. Remove the regulator from the hub.
- c. Remove the governor from the regulator housing.
- d. Disassemble the governor, part No. 6500150, as follows:

(1) Turn the governor adjusting screw full travel clockwise.

(2) Remove the 10 x 32 attaching screws from the governor piston stop. Remove the governor piston stop and the carriage ways. Remove the carriage from the ways. (See figure 1.)

(3) Remove from the carriage, the pin having two rollers only. (See figure 2.)

e. Reassemble the governor as follows:

(1) Install the new governor stop roller, part No. 6510538, on the roller pin, and reinstall the two governor carriage rollers. (See figure 3.)

NOTE It will be noted that the new roller is smaller in diameter than the governor lever roller, part No. 6510357, which is installed at the opposite end of the carriage.

(2) Install the governor carriage to the ways, making certain to position the governor stop roller, part No. 6510538 (the smaller roller), toward the governor body. (See figure 4.)

(3) Place the ways on the governor housing.

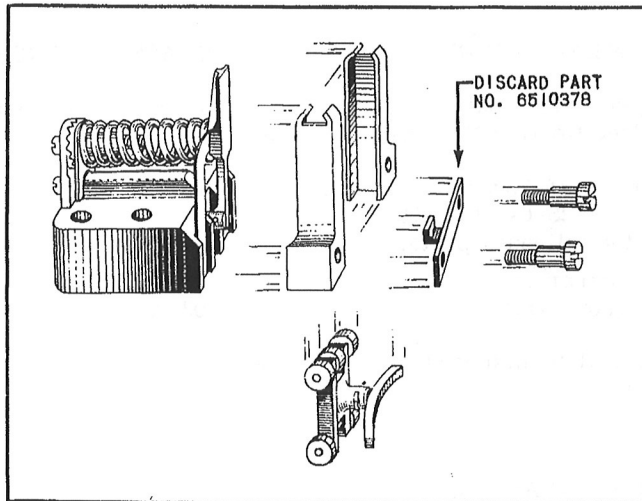


Figure 1

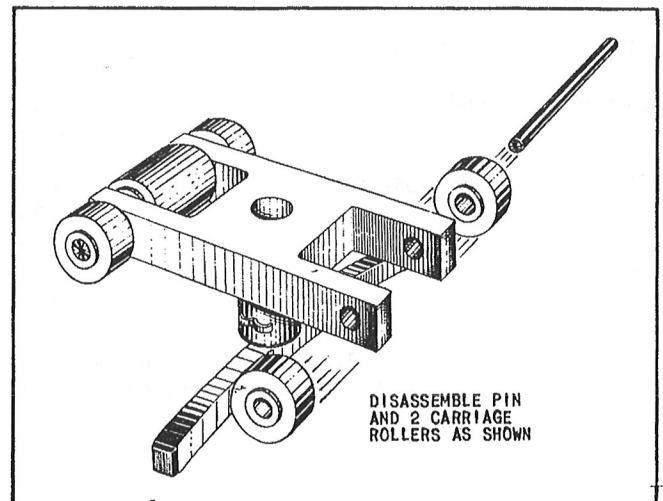


Figure 2

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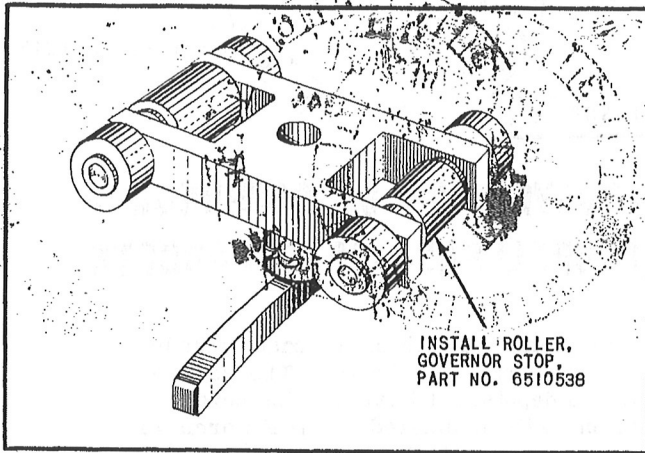


Figure 3

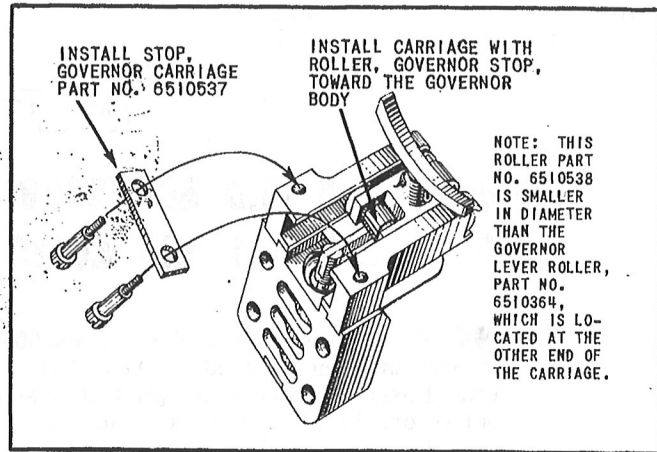


Figure 4

(4) Install the new governor carriage stop, part No. 6510537, over the ways and attach with the 10 x 32 screws. Tighten the screws halfway and check for free movement of the carriage in the ways. Adjust the ways until the carriage is free through the complete range of travel. Complete the tightening of the screws and safety with .032-inch safety wire. (See figure 4.)

NOTE It will be noted that the governor carriage stop, part No. 6510537, is flat and does not have the angle bracket as incorporated in the piston stop, part No. 6510378.

f. The governor, part No. 6500150, on which the conversion has been accomplished will be redesignated part No. 6500450 by stamping over the fifth digit from the left with a 1/16-inch steel stencil. The mallet used for this stamping will not exceed 1/2 pound in weight. The force used will be only sufficient to modify the number.

CAUTION Care will be exercised when stamping the governor body with the steel stencil in order to prevent any distortion to the cylinder and the piston.

g. Reassemble the regulator.

h. Upon complete assembly of the regulator the letter "G" will be stamped with a 3/8-inch steel stencil immediately preceding the regulator serial number which is located on the oil filler plug boss of the regulator cover. Compliance with this Technical Order can then be seen by opening the inspection door on the gear reduction box cowling.

CAUTION Care will be exercised when stamping the regulator cover in order to prevent any damage to the filler plug boss.

i. Install the regulator on the hub.

j. Install the propeller.

k. Adjust the governor, ground run-up, and test flight.

3. a. The parts listed below are required to accomplish this change. These parts, except class 23-A items, will be assembled into kits and may be obtained by requisition from the air depots in accordance with the provisions of T. O. No. 00-35A-15.

QTY	STOCK NO.	PART NO.	NOMENCLATURE	CLASS	SOURCE
As req	6800-785800		Steel - Wire, soft zinc coated, .032-inch diameter, Specification No. AN-QQ-W-435	23-A	AF Stock
1	1300TO-03-20E9		KIT, "Conversion of Governor - Model A632S-C1 and A632S-C4 Propellers," consisting of the following parts:	15	AF Stock
1		6510538	Roller - Governor stop	03-A	
1		6510537	Stop - Governor carriage	03-A	

b. Parts removed and not reinstalled will be disposed of in accordance with the provisions of AAF Regulation 65-43.

By Command of General ARNOLD:

WALTER H. FRANK,
Major General, U.S.A.,
Commanding General, Air Service Command.

AIRCRAFT ACCESSORIES

28 AUG 1944

26 August 1944

PROPELLERS AND ACCESSORIES—MODIFICATION OF REGULATOR ASSEMBLY—AEROPRODUCTS

NOTE As prescribed in T. O. No. 00-20A, appropriate reference to this Technical Order will be entered on AAF Forms 61 for the propellers affected. The work directed herein will be accomplished at the time of the next propeller overhaul. Maintenance propeller assemblies and regulators in stock will be modified prior to issue.

To prevent air pressure build-up in the regulator assembly of Aeroproducts propellers, the modification prescribed in paragraph 2. will be accomplished on installed propellers, spare propellers and spare regulators bearing the following regulator serial numbers:

PROPELLER MODEL		REGULATOR SERIAL NOS.
A632S-C1	3-way Regulator	Prior to S.N. 16433
A632S-C4	3-way Regulator	Prior to S.N. 16433
A632S-C7	3-way Regulator	Prior to S.N. 16433
A642S-D1	4-way Regulator	Prior to S.N. 14720
A642S-D3	4-way Regulator	Prior to S.N. 14720

Three-way propeller regulators having serial numbers subsequent to 16432 and four-way propeller regulators having serial numbers subsequent to 14719 will be modified by the propeller contractor prior to delivery.

2. The instructions for accomplishing this modification as outlined in Aeroproducts Field Product Modification No. 5, dated 8 April 1944, are as follows:

a. Place the propeller on a bench or stake with the regulator side up.

NOTE When accomplishing modification of propellers which are crated prior to shipping to using organizations, it is not necessary to remove the propeller from the shipping case. It will only be necessary to remove and reinstall the shipping case lid.

b. Move the control lever to the "INCREASE R.P.M." position. (Full travel clockwise.) (See figure 1.)

c. Remove the safety wire from the regulator adapter bolts. Use a 7/16-inch speed wrench and remove the six regulator adapter bolts. (See figure 1.)

d. Make certain the control lever is in the full clockwise position. Lift off the adapter plate and note the index marks on the control lever and adapter ring. (See figure 2.)

e. Remove the control lever.

f. Select the control screw which is the one to the right of the index mark on the adapter ring. Remove the control screw by turning it in a counterclockwise direction. (See figure 3.)

g. Install the control screw relief valve assembly, part No. 6500587, replacing the removed control screw, part No. 6510428. Turn the screw clockwise to install. (See figure 3.)

CAUTION This screw can be identified by the black exterior finish. It must never be used to replace either of the other two control screws. Dip this screw in regulator oil before installing. Allow to drain with pinion end down to prevent accumulation of oil in back of ball check.

h. Make certain all control screws are turned to their full clockwise position.

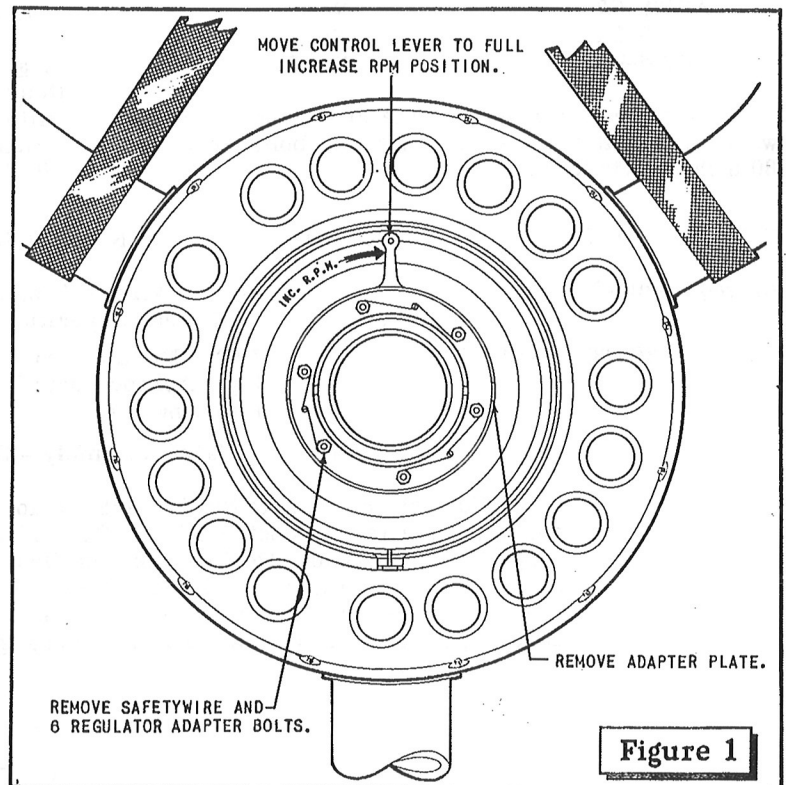


Figure 1

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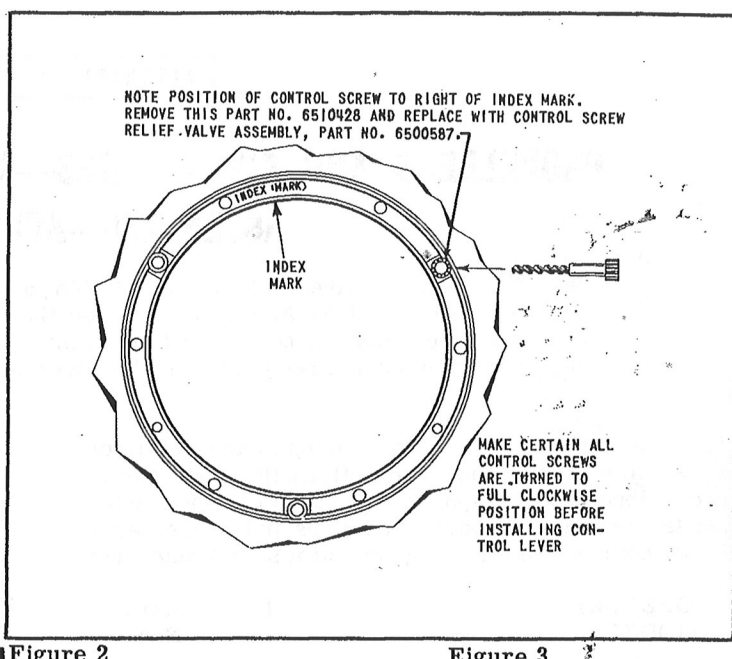
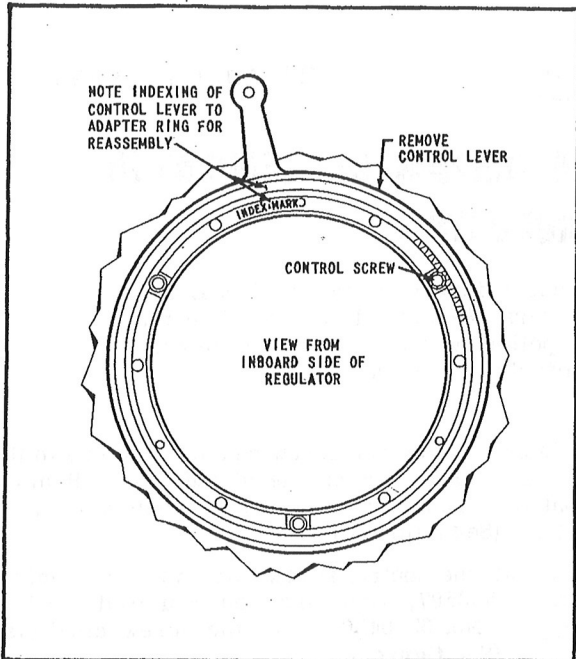


Figure 2

Figure 3

l. Index and install the control lever. Index the lever to the mark on the adapter ring as it was found when disassembled. (See figure 2.) Indexing must be as follows:

PROPELLER MODEL	INDEX TOOTH OF CONTROL LEVER
A632S-C1	No. 1
A632S-C4	No. 1
A632S-C7	No. 1
A642S-D1	No. 32
A642S-D3	No. 32

l. Replace the adapter plate and using a torque wrench, install the regulator adapter bolts applying 80 inch-pounds torque.

k. Operate the control lever 8 or 10 times through its complete range to make certain there is no binding of the control screws and control ring. If binding occurs, remove the adapter plate and control lever. Check the control screws to make certain they are turned to their full clockwise position when the control lever is indexed. Replace the control lever and adapter plate, and again check for free movement of the control lever.

l. Safety the regulator adapter bolts with safety wire.

3. a. The following parts are required to accomplish this change. These parts, except the Class 23-A item, will be packed into kits and may be obtained by requisition in accordance with the provisions of T. O. No. 00-35A-15.

QTY	STOCK NO.	PART NO.	NOMENCLATURE	CLASS	SOURCE
As req	6800-785800		Steel - Wire, soft zinc coated, .032-inch diameter, Specification No. AN-QQ-W-435	23-A	AF Stock
1	1300TO-03-20E10		KIT, "Modification of Regulator Assembly - Aeroproducts," consisting of the following part:	15	AF Stock
1		6500587	Valve Assembly - Control screw relief	03-A	

b. Control screw, part No. 6510428, removed will be forwarded, express collect, to the Aeroproducts Division, General Motors Corporation, Municipal Airport, Dayton, Ohio; Attention: Service Department. A copy of the shipping ticket will be forwarded to Headquarters, Air Service Command, Attention: Unit ASCMS3P, for all control screws shipped. Control screws, part No. 6510428, in stock are not affected by this change.

By Command of General ARNOLD:

WALTER H. FRANK,
Major General, U.S.A.,
Commanding General, Air Service Command.

Prepared by Accessories Section,
Maintenance Div, Hq, ASC.

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AN 03-20E-7

SECTION I

INTRODUCTION

1. This Catalog lists and describes the Parts for the following models of propellers:

A632S-A1	A632S-C4
A632S-A2	A632S-C7
A632S-B1	A642S-D1
A632S-B5	A642S-D2
A632S-C1	A642S-D3

These Propellers are manufactured by Aeroproducts Division of General Motors Corporation, Dayton, Ohio, and are furnished on the following contracts:

W535-ac-18864
W535-ac-21221
W535-ac-24662
W535-ac-35329
W535-ac-35750
W535-ac-40153
W535-ac-40633

2. The propeller has been arranged in major assemblies, and group numbers have been assigned to these assemblies, thus:

Group No. 1 - Propeller Installation
Group No. 2 - Hub Assembly
Group No. 3 - Regulator Assembly
Group No. 4 - Blade Assembly and Anti-icing
Group No. 5 - Spinner
Group No. 6 - Tools

These major assemblies are broken down into their sub-assemblies and individual parts by adding decimals and three-place numbers to the main group assemblies, thus affixing index numbers. For example, the index number of the Pressure Control Valve Assembly, which is a sub-assembly of Group No. 3, is 3.033. The index number for the Pressure Control Valve Spring, which is a component part of the Pressure Control Valve Assembly, is 3.037.

3. In some cases it is possible to use a sub-assembly of later design as a replacement for a similar part used on an earlier model propeller, if the original assembly is not available, or if it is desired to improve an earlier model. Where this is possible, an explanatory foot-note, designated by an asterisk, is made at the bottom of the page on which the assembly is listed. For example:

It is desired to change the Pressure Control Valve on a Model A632S-C1 propeller. Referring to Index No. 3.033 for the Pressure Control Valve, the part number for the Pressure Control Valve for the A632S-C1 propeller is 6500307. However, if this valve is not available, Pressure Control Valve 6500185 may be used as an assembly replacement.

When a replacement part is ordered for an assembly thus replaced, the part must be ordered from the propeller model for which the assembly was originally manufactured. If, in the above example, a replacement Pressure Control Valve Spring was needed for a Pressure Control Valve No. 6500185 which had been installed on an A632S-C1 propeller, it would be necessary to order the replacement spring under the 6500185 Pressure Control Valve listed with the A632S-C4 model.

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4. When ordering replacement parts for sub-assemblies, it is necessary to know the sub-assembly number. This number will be found on the sub-assembly. Assemblies can be identified by the first three figures of the part number, which are 650----. Parts can be identified by the first three figures of the part number, which are 651----.
5. For information concerning the interchangeability of propeller models, refer to T. O. 03-20E-2, Section VIII.
6. Illustrations are provided in Section II to assist in the identification of service parts. Various illustrations show the typical construction of important assemblies, indicating the Index Number under which these parts are listed. These illustrations may not show the exact part required, but are for reference only. However, the assembly illustrated and a similar assembly (not illustrated) are used in an identical location.
7. The Group Assembly Parts List, Section II, consists of a breakdown of the complete accessory in serviceable sub-assemblies and detailed parts. Each assembly listed is directly followed by its component parts, properly indented to show their relationship to the assembly. The quantities specified are those used at the location shown, and are not necessarily the total number used per accessory. Refer to the Numerical Parts List, Section III, for the total quantities.
8. The Numerical Parts List, Section III, lists part numbers numerically, exclusive of the standard parts. The column headed "Group List Page No." refers to the pages of the Group Assembly Parts List. The column "Total Quantity" indicates the total number used per accessory. An Assembly Parts List is correlated with each Group Assembly Parts List.
9. The Standard Parts List, Section IV, lists AN parts and total quantity per propeller.
10. Service Tools, Section V, is a complete list of special tools necessary to disassemble and reassemble the propeller unit. Illustrations of the Service Tools precede the tool list, and will aid in the identification of these tools.

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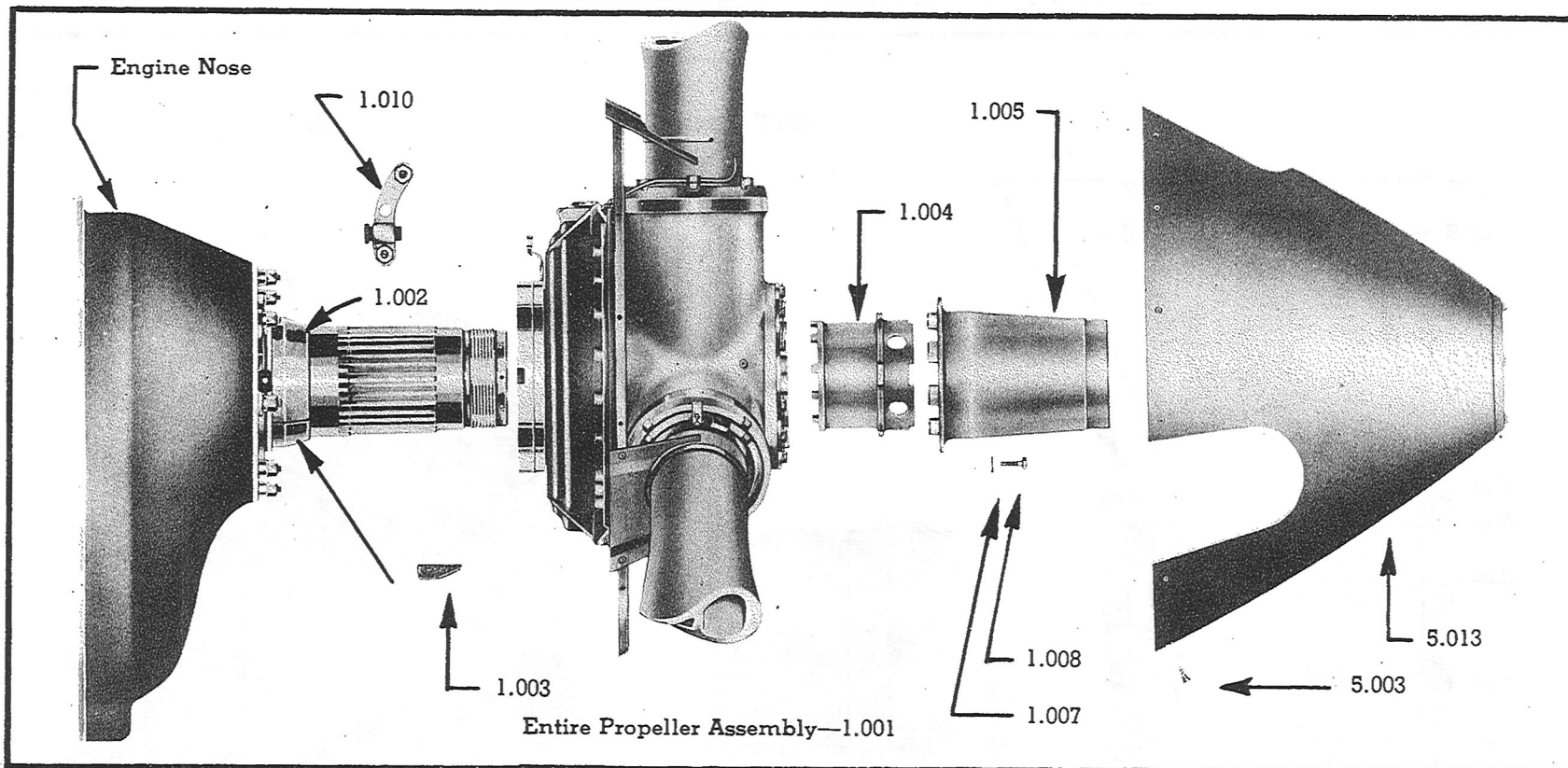


Figure 1—Propeller Installation

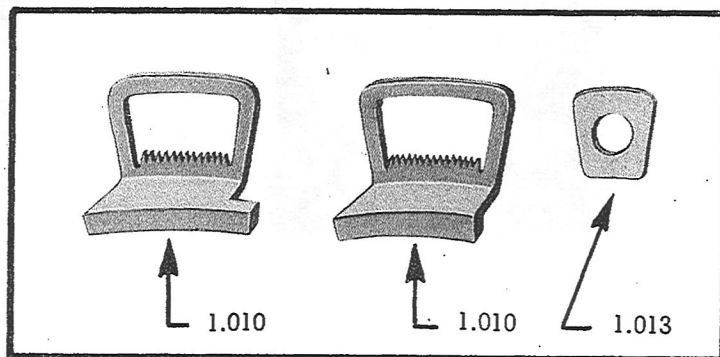


Figure 2—Adapter Stops—A632S-A1, A2

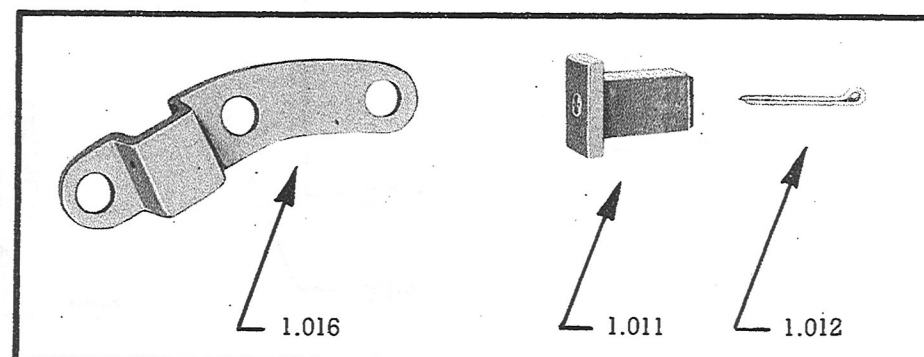


Figure 3—Adapter Stop—A632S-C1, C4 and A642S-D1, D2

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SECTION II

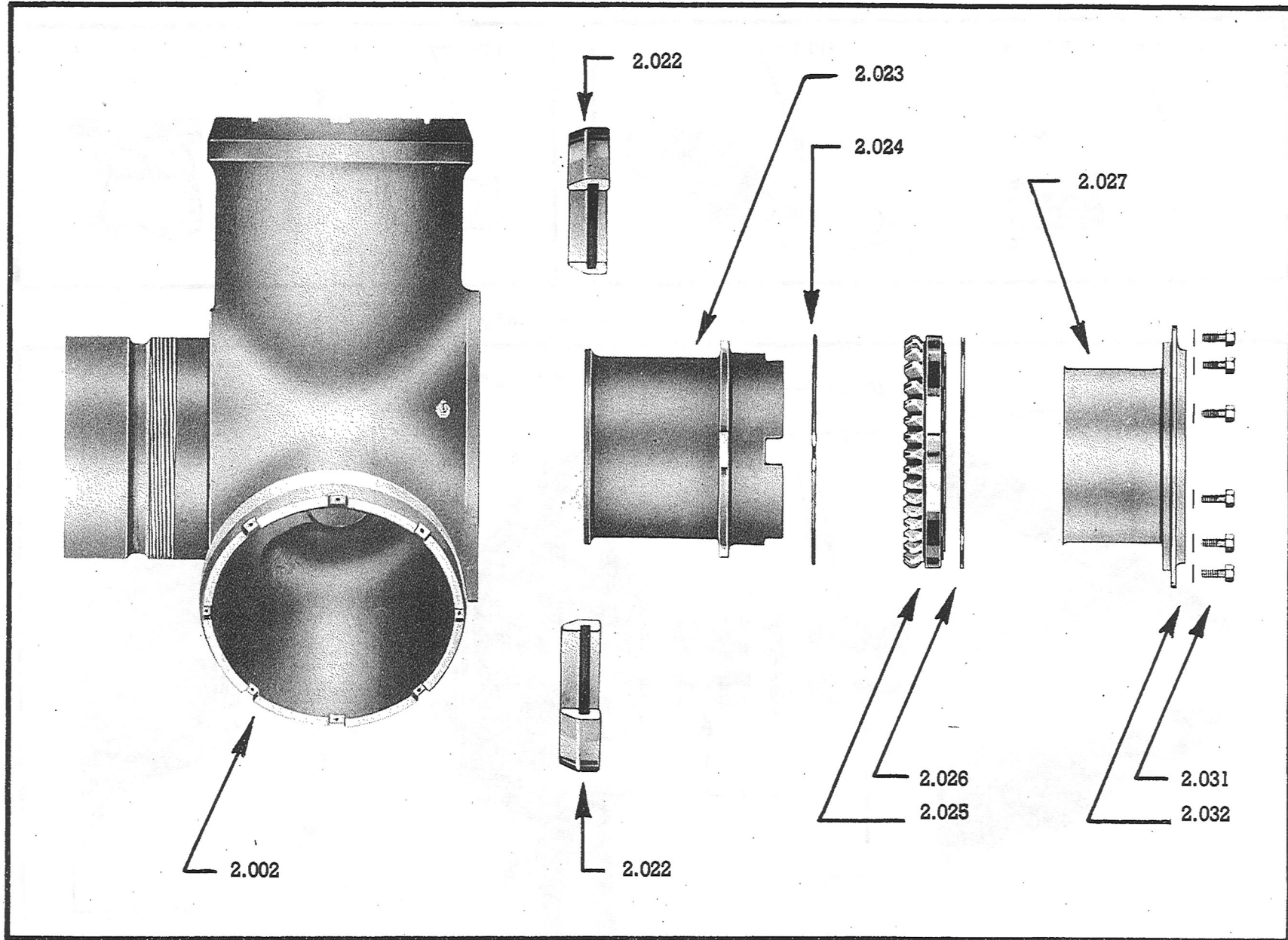


Figure 4—Hub, Front Cone, Shaft Nut, Master Gear and Retaining Plate

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SECTION II-

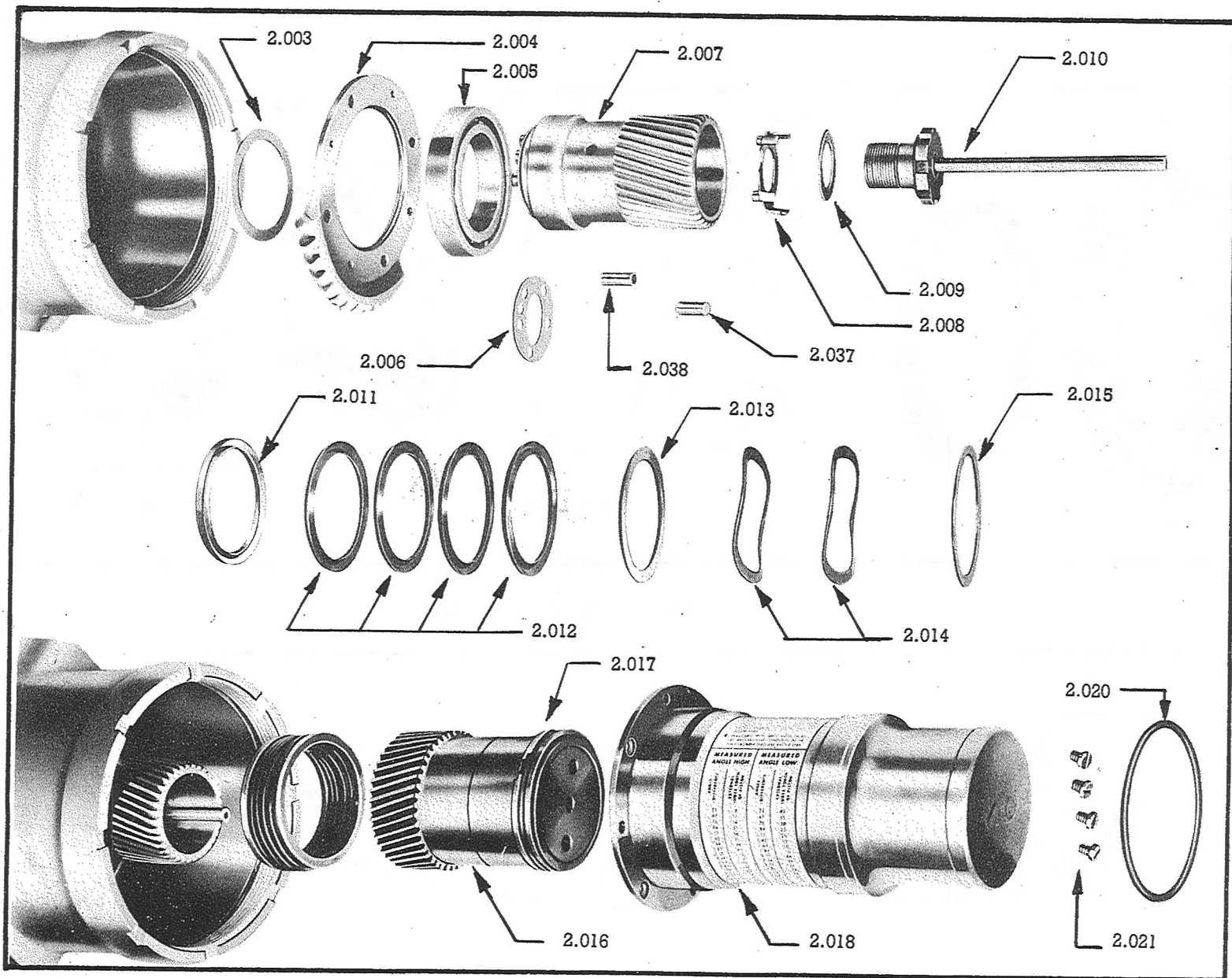


Figure 5—Hub Torque Unit Parts

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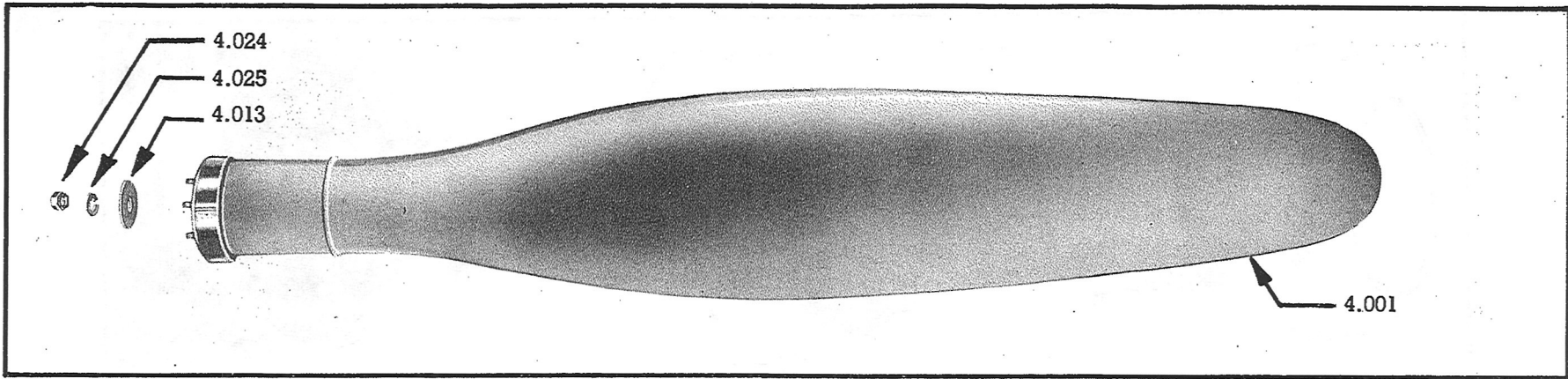


Figure 6—Blade Assembly

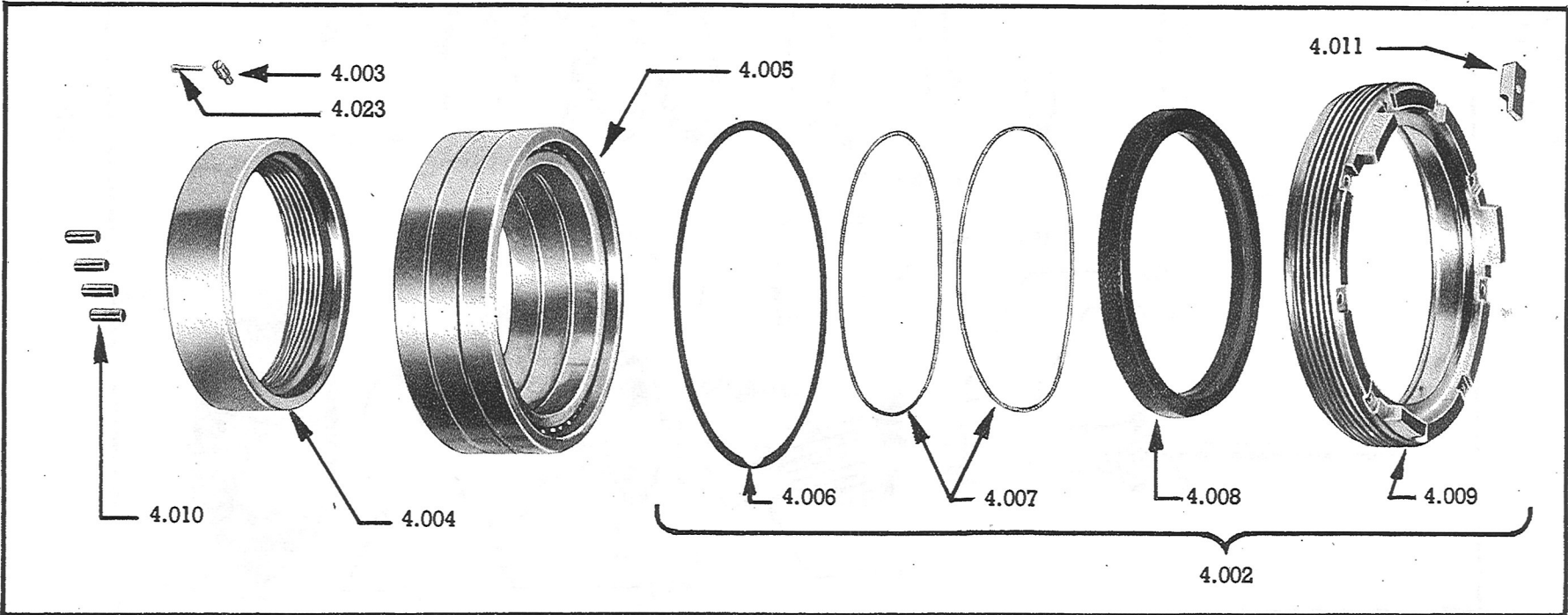
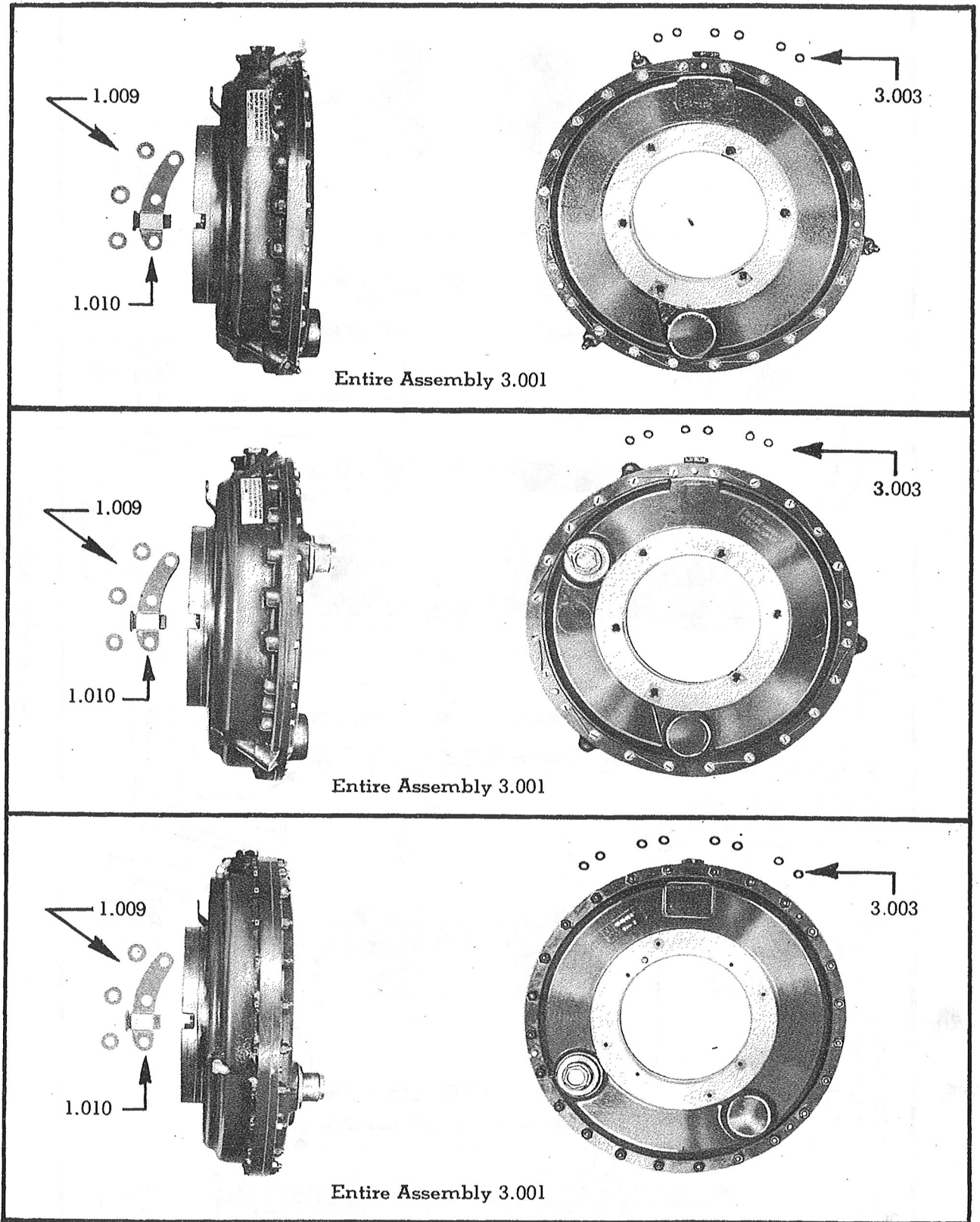


Figure 7—Blade Nut, Bearing and Blade Retaining Nut Assembly

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SECTION II



**Figure 8—Top—Regulator for Model A632S-C1
Center—Regulator for Model A632S-C4
Bottom—Regulator for Model A642S-D1, D2**

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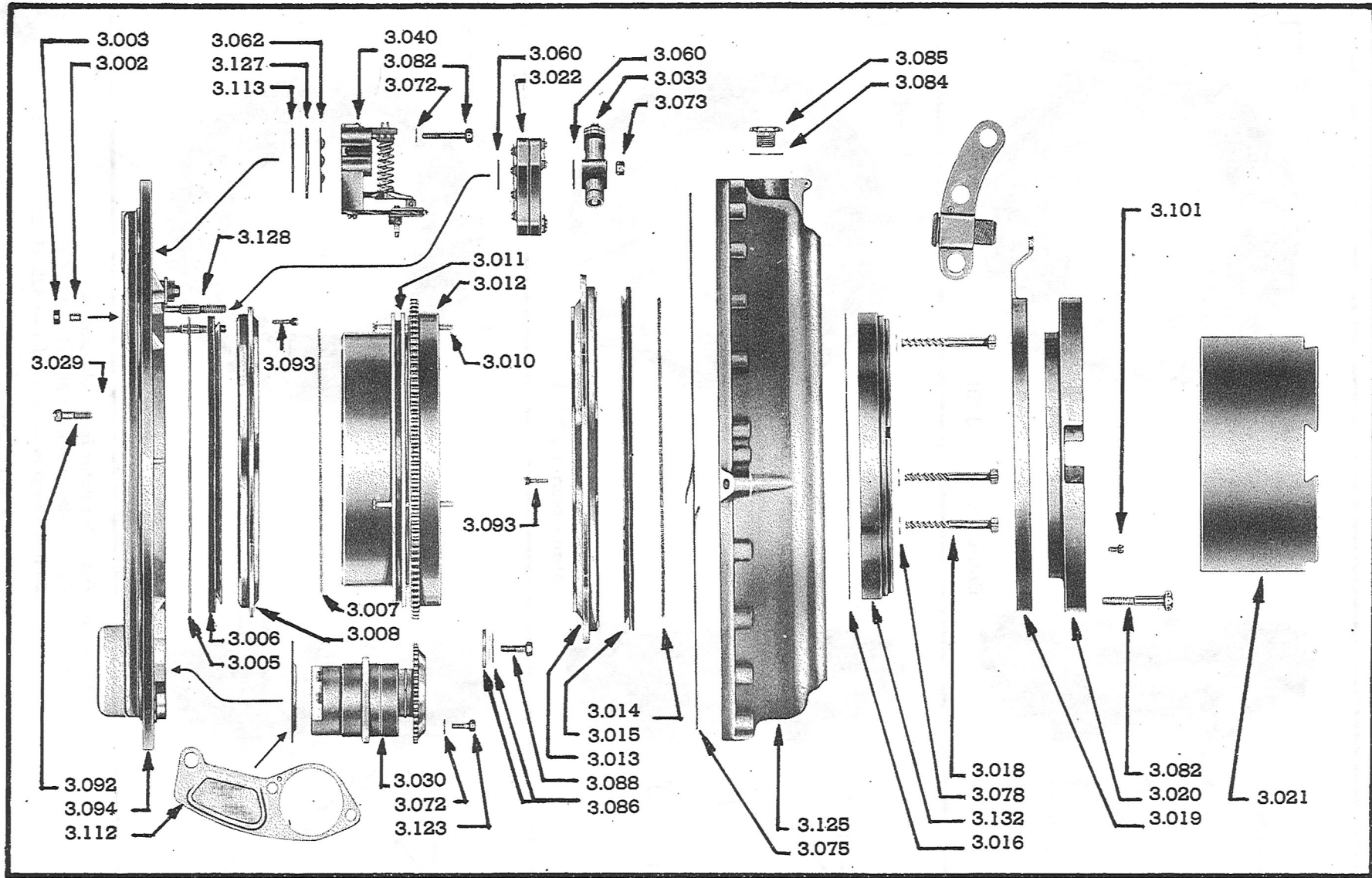


Figure 9—Regulator—A632S-C1

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AN 03-20E-7
SECTION II

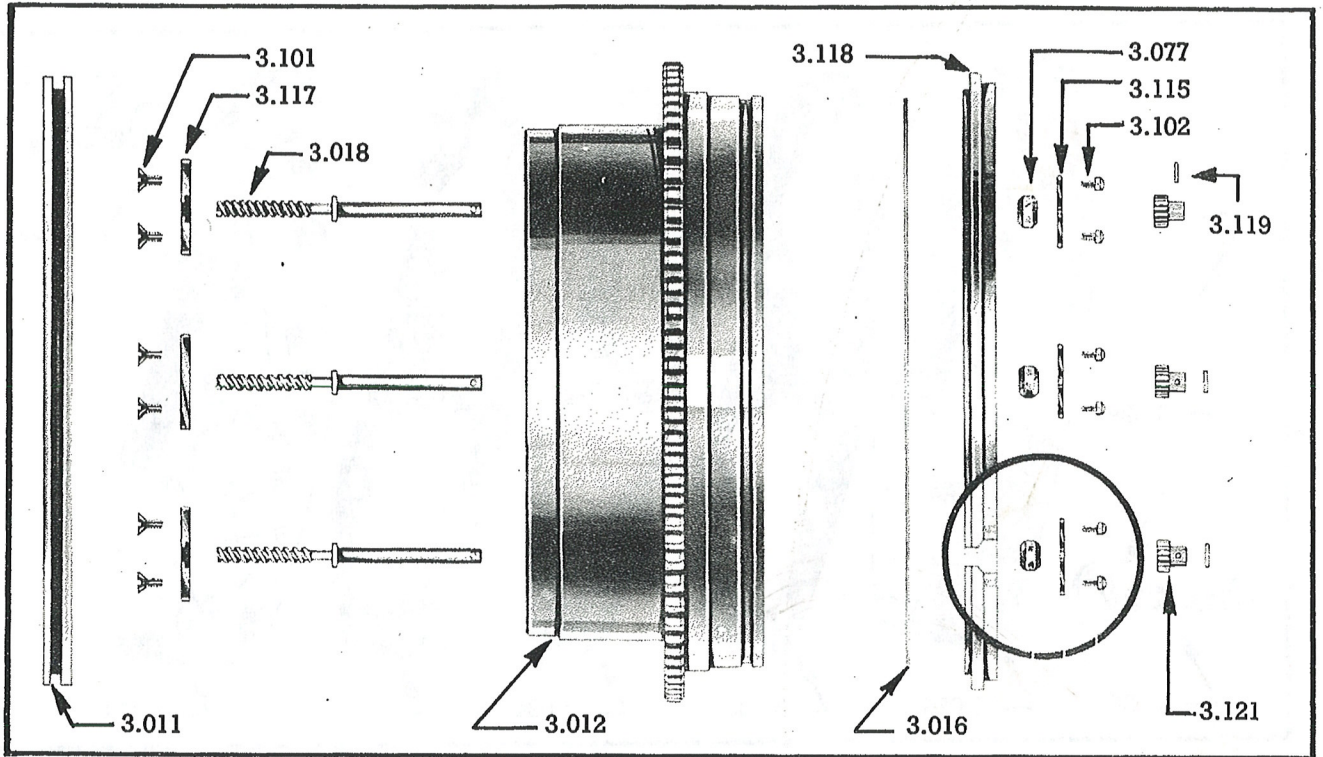


Figure 10—Regulator Parts—A632S-A1, A2

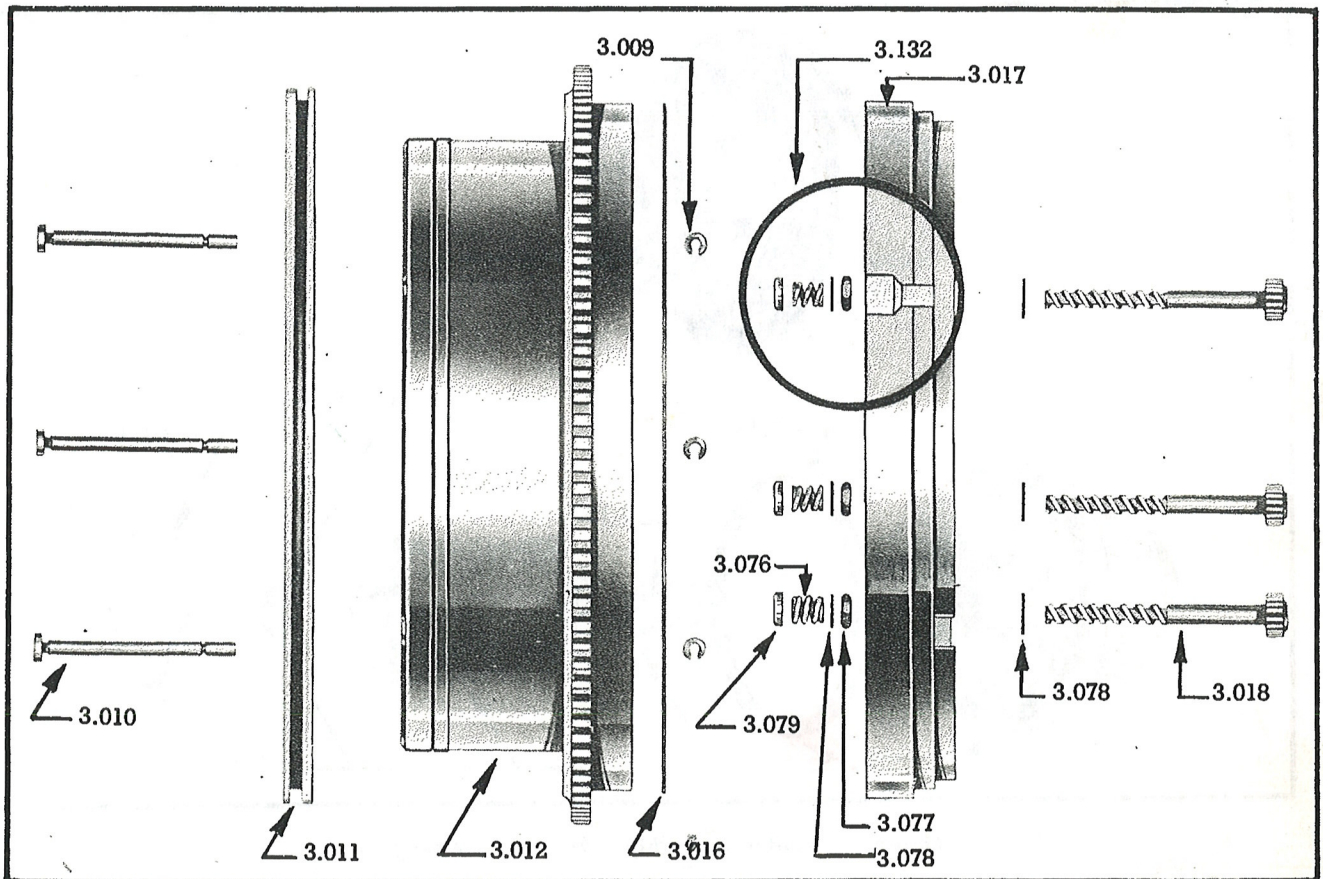


Figure 11—Regulator Parts—A632S-B1, B5, C1, C4 and A642S-D1, D2

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SECTION II-

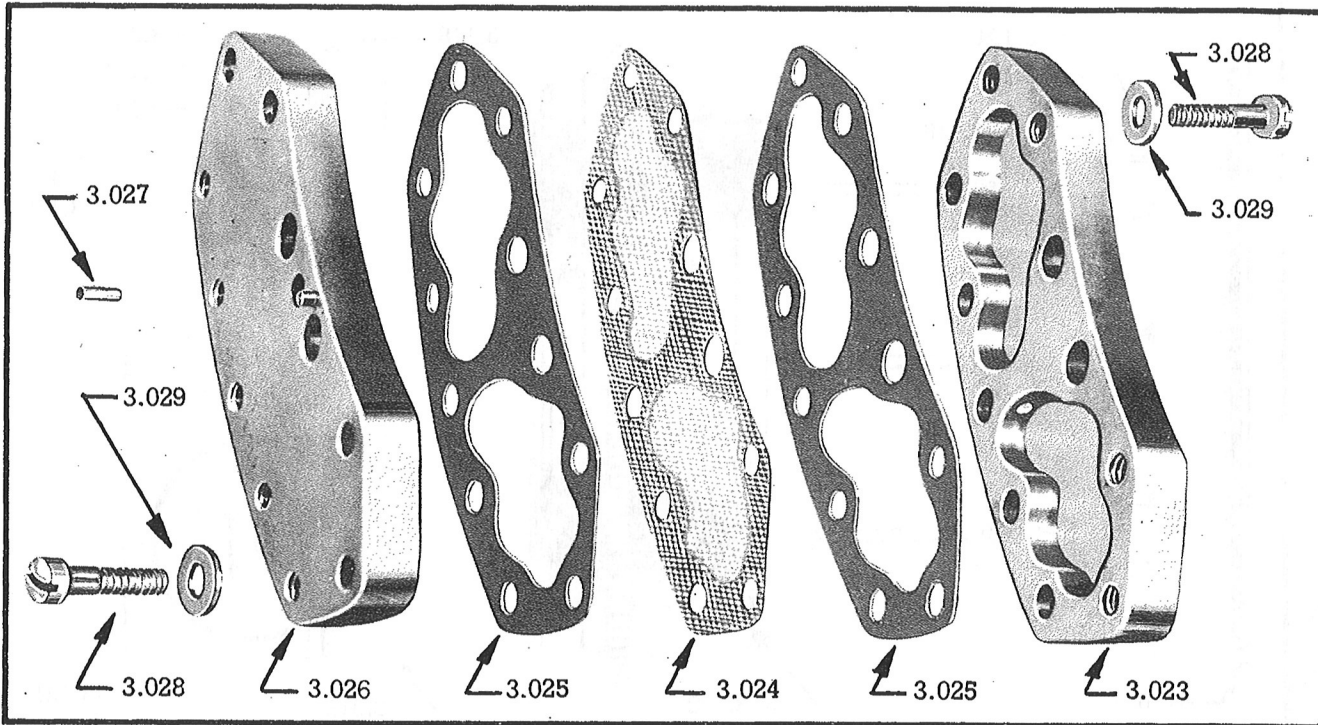


Figure 12—Filter Assembly—A632S-A1, A2, B1, B5, C1—(Group No. 3.022)

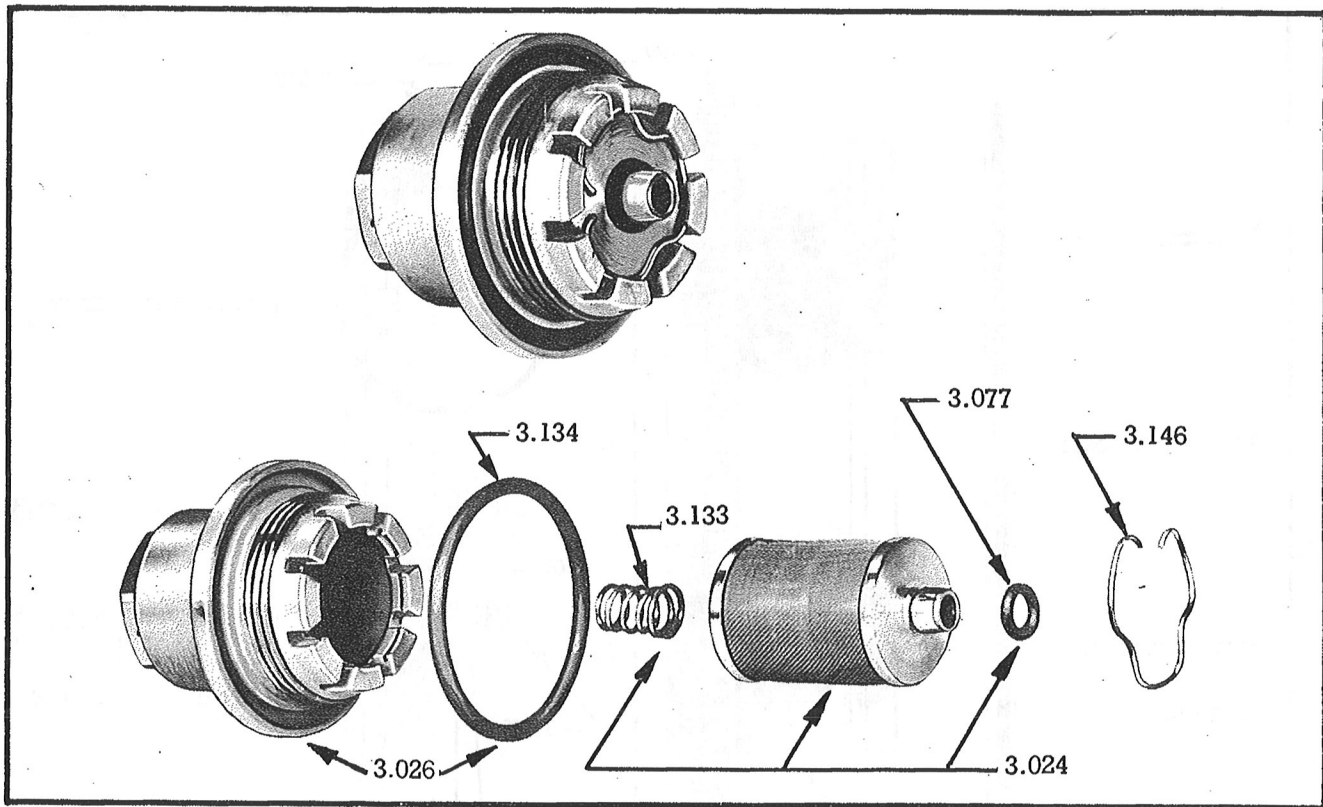


Figure 13—Filter Assembly—A632S-C4, A642S-D1, D2

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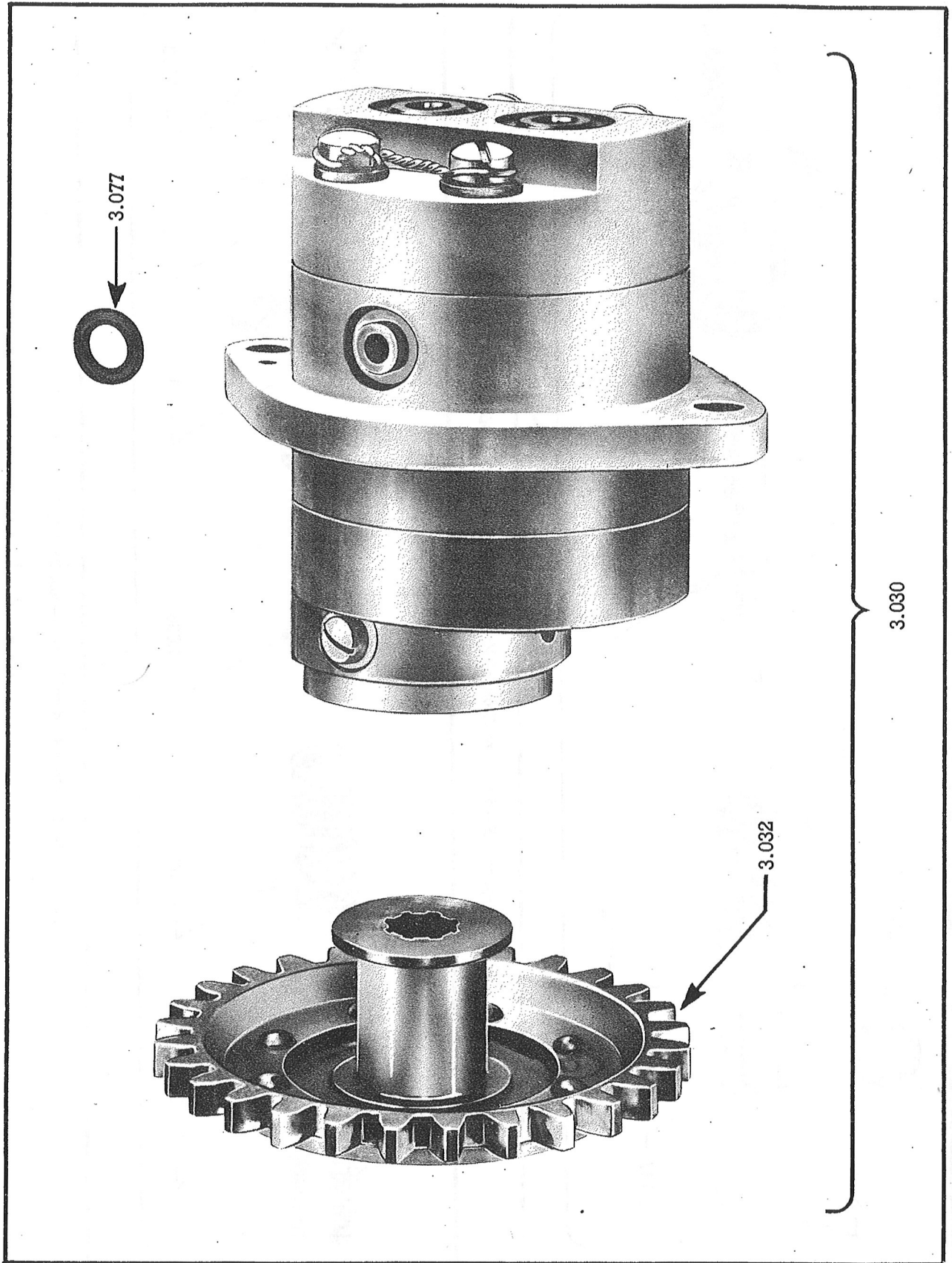


Figure 14—Pump Assembly

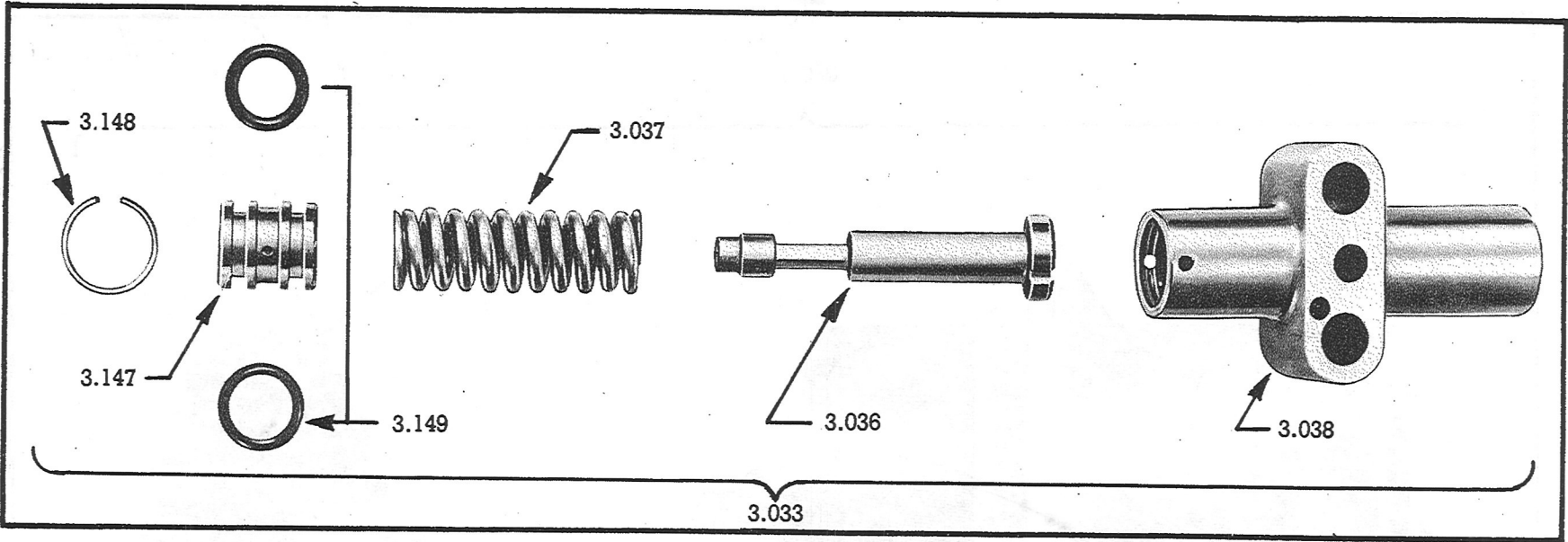


Figure 15—Pressure Control Valve—A632S-C4, A642S-D1, D2

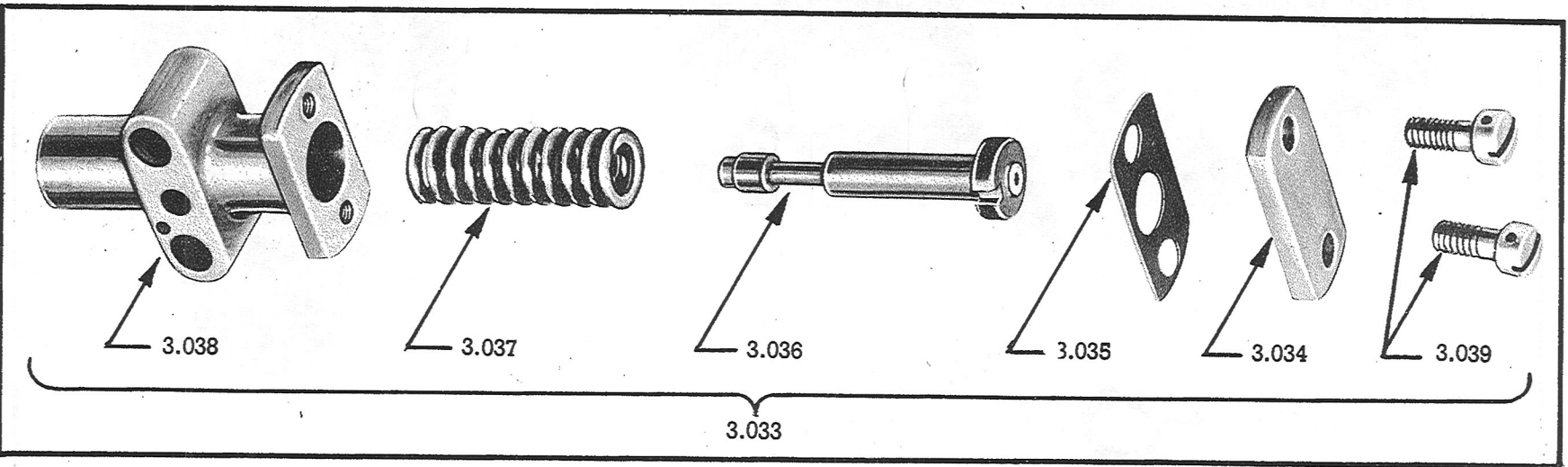


Figure 16—Pressure Control Valve—A632S-A1, A2, B1, B5, C1

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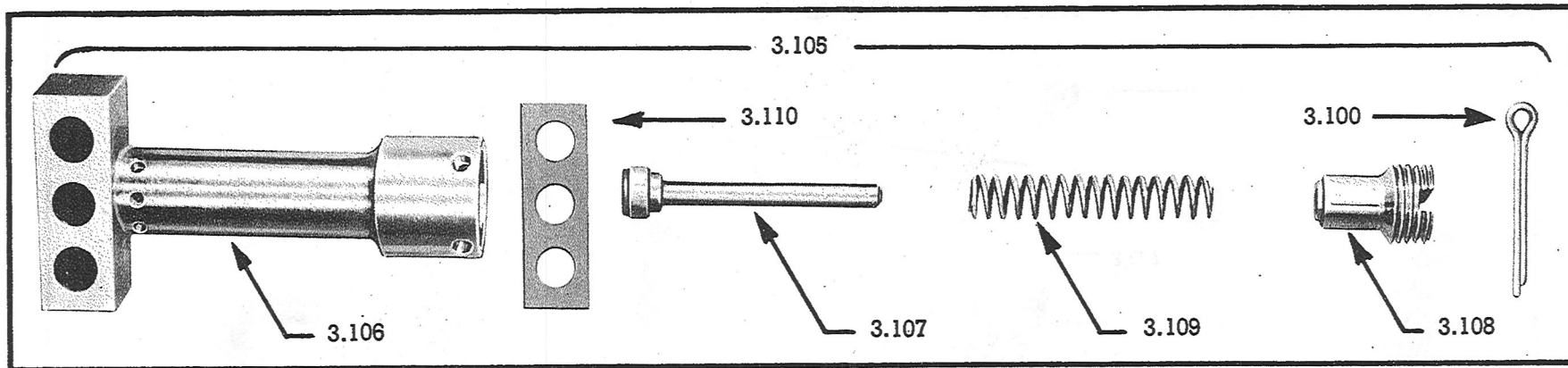


Figure 17—Check Valve—A632S-A1, A2

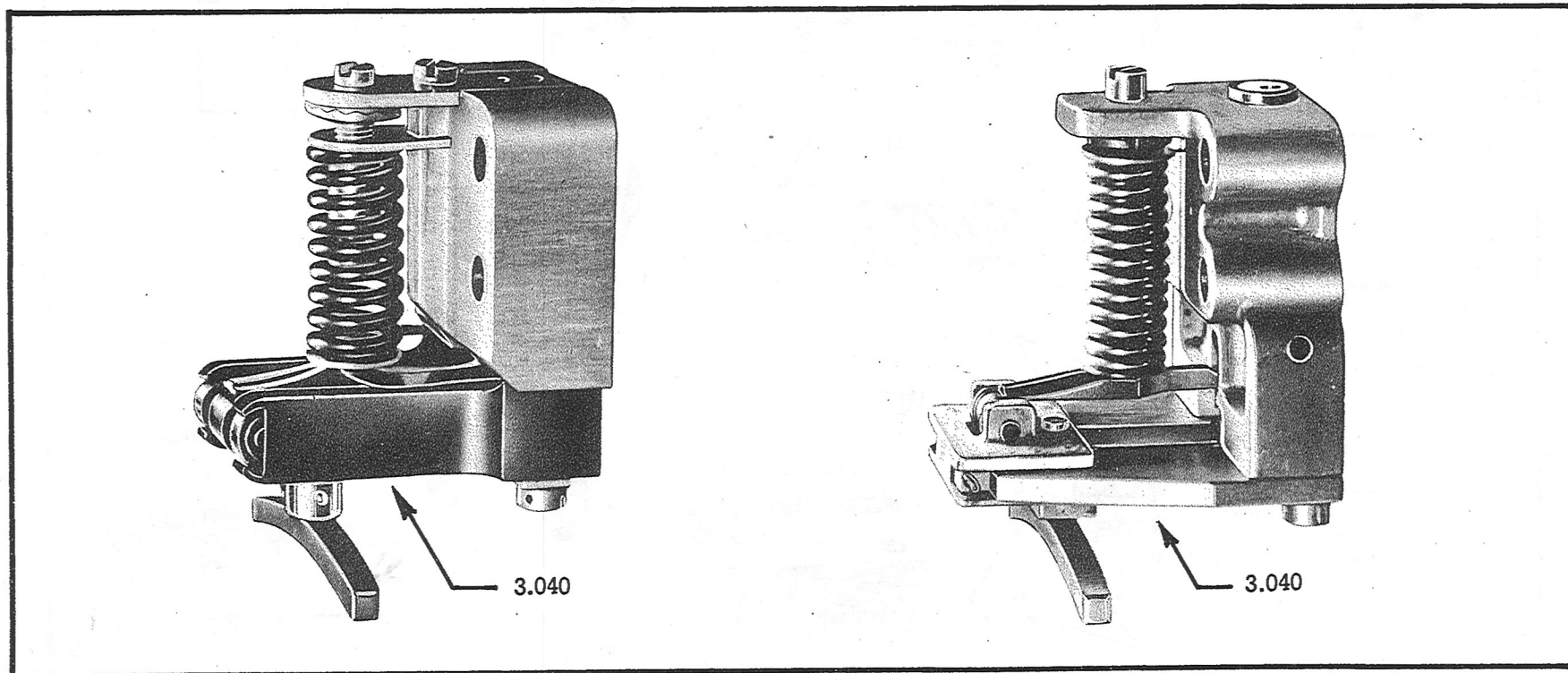


Figure 18—Governor Assembly—A632S-C4, A642S-D1, D2

Figure 19—Governor Assembly—A632S-A1, A2, B1, B5, C1

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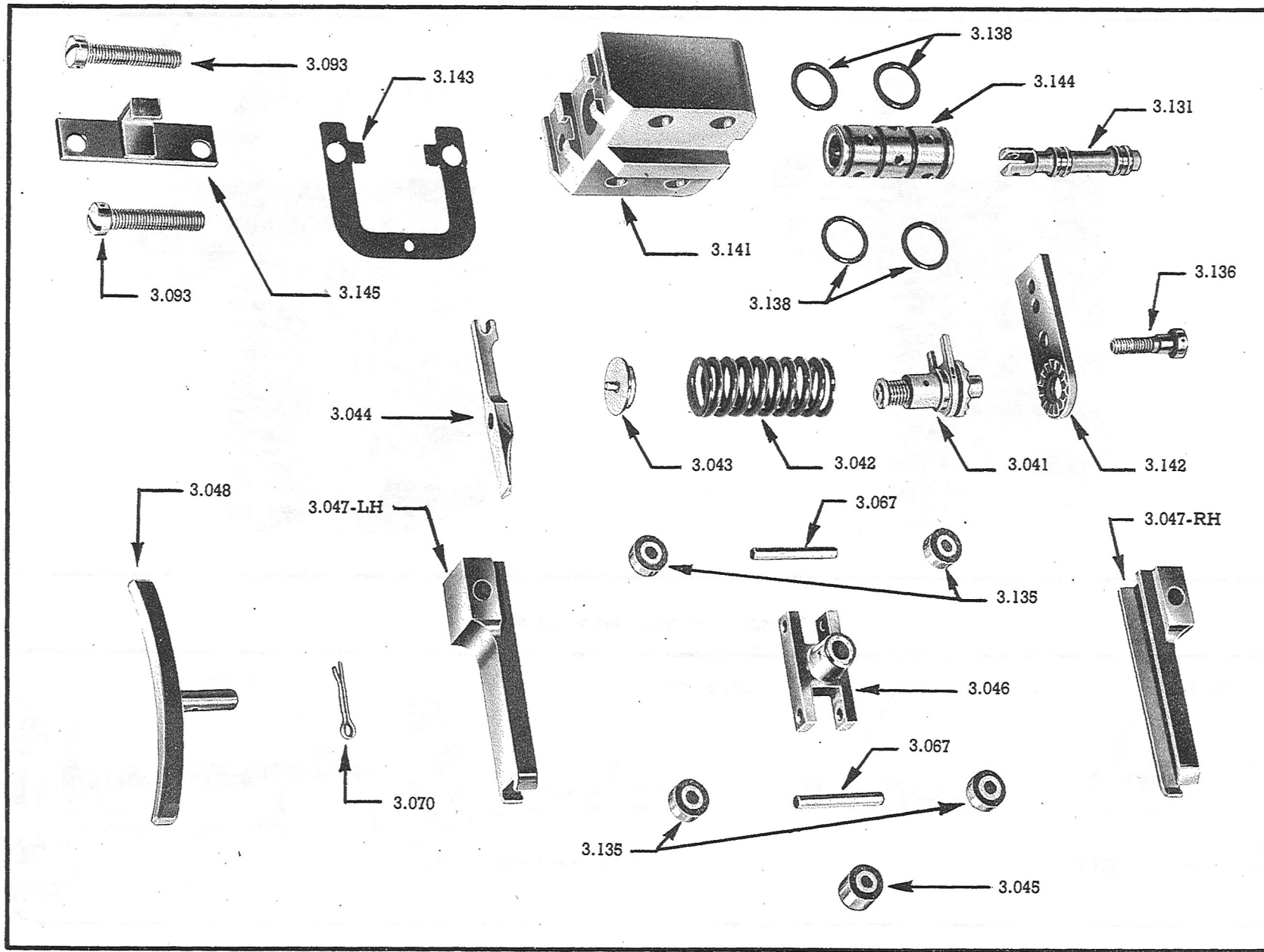


Figure 20—Governor Parts for A632S-C4

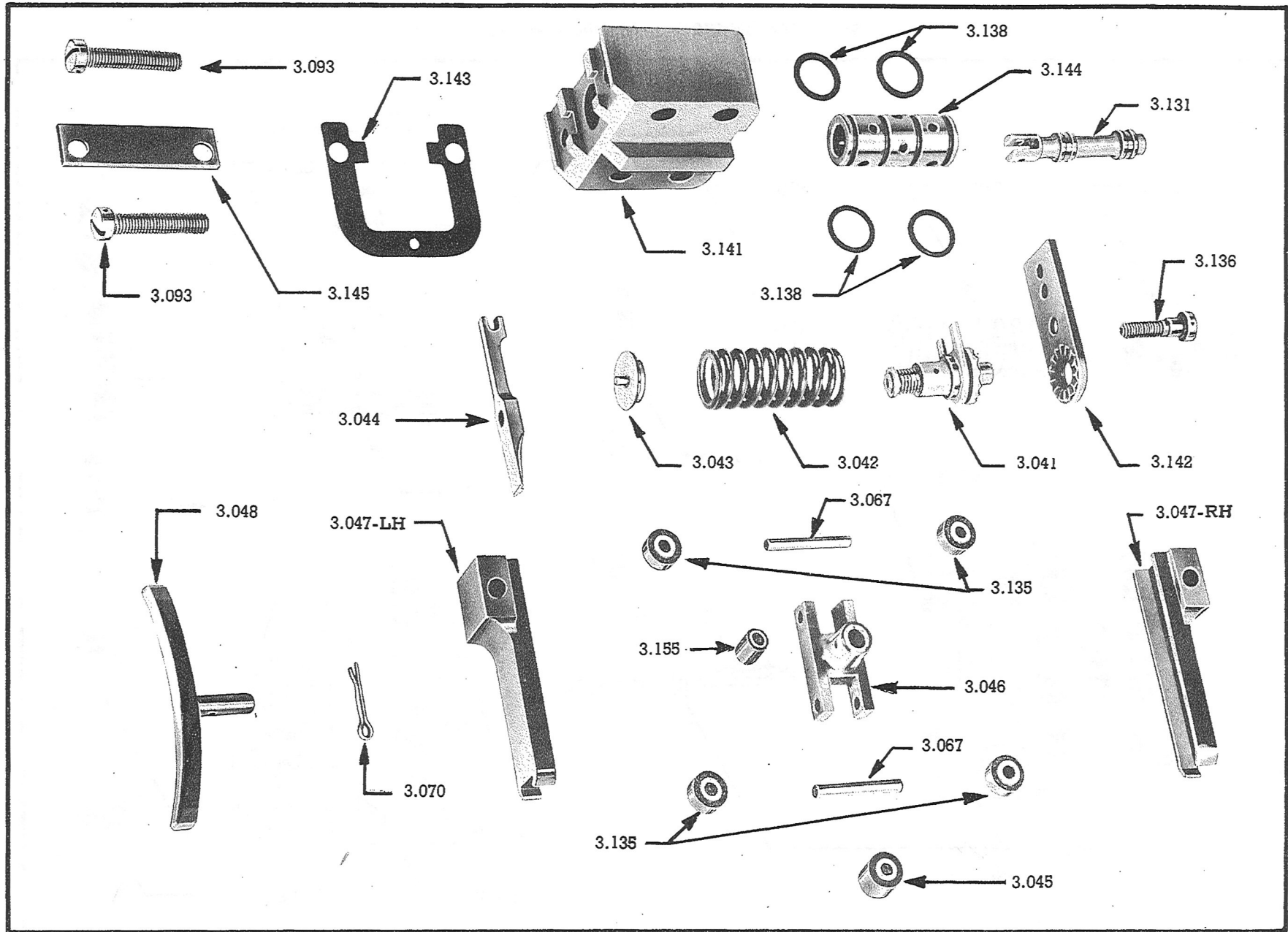


Figure 21—Governor Parts for A642S-D1, D2

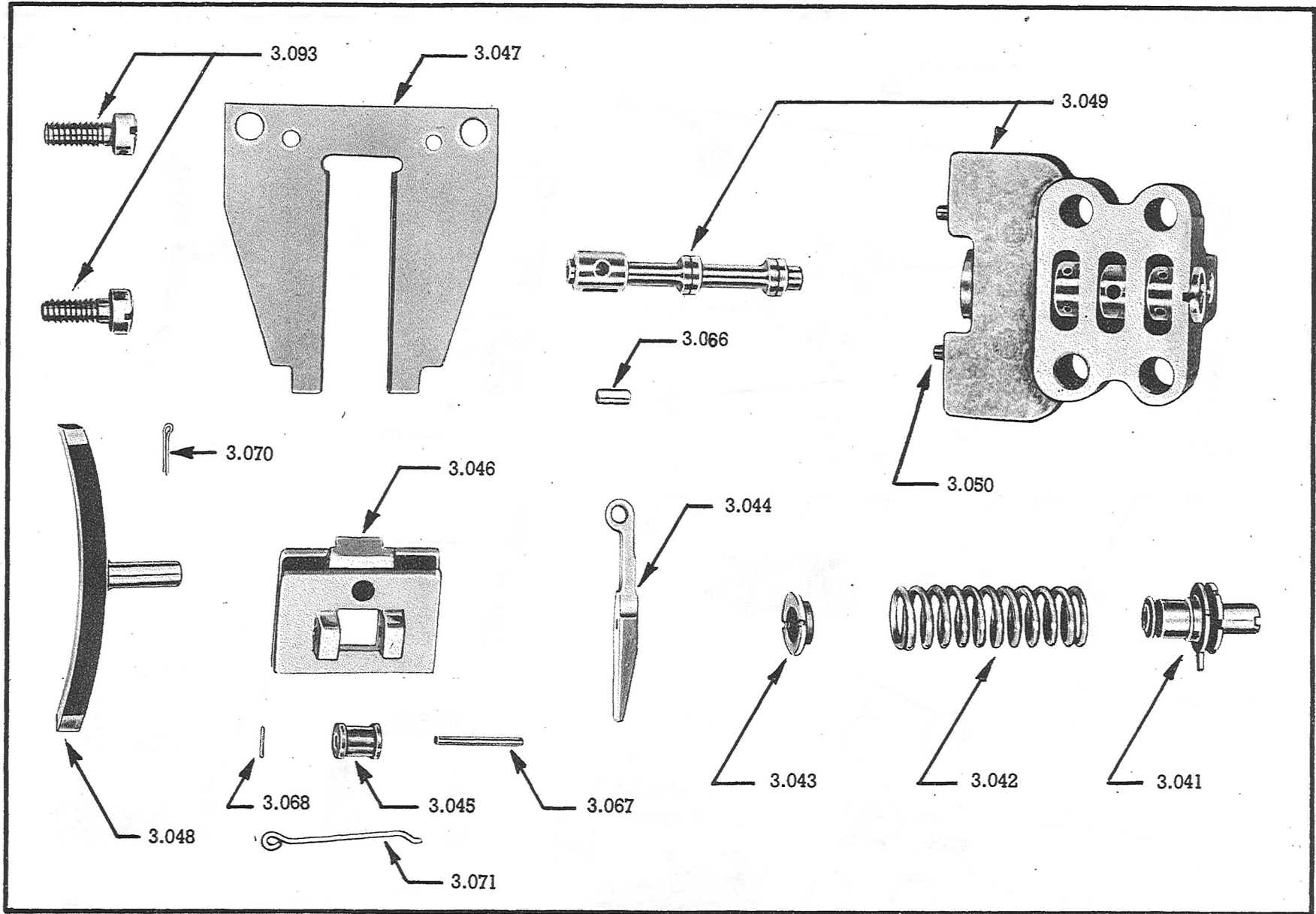


Figure 22—Governor Parts for—A632S-A1, A2, B1, B5, C1

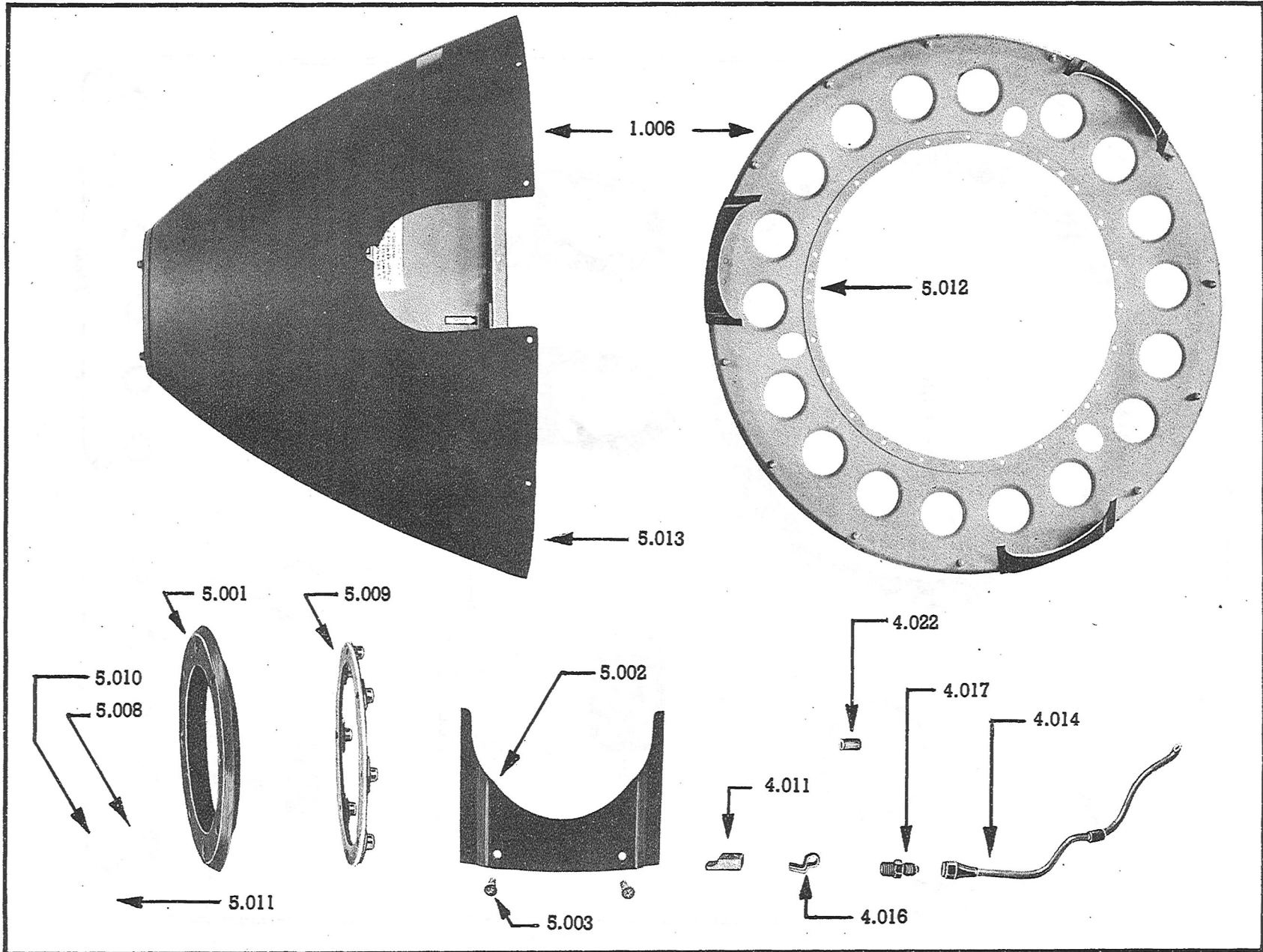


Figure 23—Typical Spinner and Anti-Icing Parts

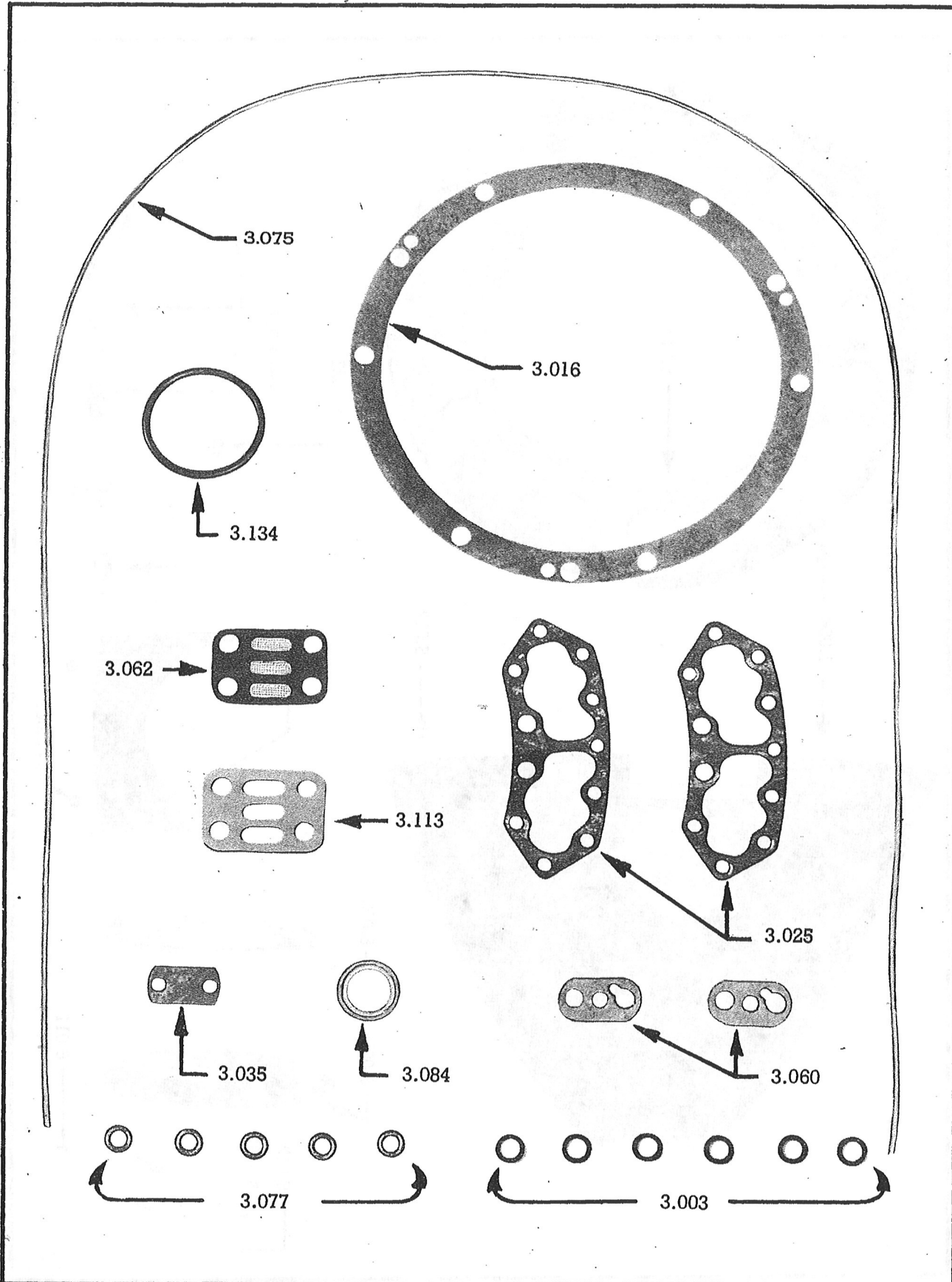


Figure 24—Regulator Gasket Set—(Group No. 3.153)

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WIPE BLADES OFF ONCE EACH NIGHT WITH CLOTH SATURATED WITH ENGINE OIL.
DECAL. NO. 6510271

5.007

READ TECH. ORDER 03-20E-2
ADJUST GOVERNOR THRU FILLER PLUG HOLE. USE SCREW DRIVER. PUSH SCREW DOWN AND TURN. CLOCKWISE DECREASES R. P. M., COUNTERCLOCKWISE INCREASES R. P. M.
DECAL. NO. 6510325

3.059

CHECK PROPELLER REGULATOR OIL LEVEL EVERY 25 HOURS. MAINTAIN LEVEL HORIZONTAL (HALF FULL). LEVEL DETERMINED BY FILLER PLUG OPENING. USE Y3567 OIL WHEN GROUND TEMPERATURES DO NOT GO BELOW 0° F. (-17.8° C.). USE AN-VV-D-366 HYDRAULIC FLUID WHEN GROUND TEMPERATURES DO NOT EXCEED +40° F. (+4.4° C.). FOR ALTERNATE SPEC. SEE T.O. 03-20E-6.

DECAL. NO. 4510414

3.154

FILL UNTIL OIL RUNS OUT WHEN FILLER HOLE IS IN HORIZONTAL POSITION. FOR SPEC. SEE T.O. 03-20E-6.
DECAL. NO. 6510309

3.058

USE THREAD LUBE SPEC. 3590 AT EACH ASSEMBLY. LEFT HAND THREAD. BRITISH SPEC.
DECAL. NO. 6510272

3.090

THIS SPINNER HAS BEEN DYNAMICALLY BALANCED. DO NOT REMOVE BALANCE WEIGHTS

5.005

READ TECH. ORDER 03-20E-2 FOR GREASING INSTRUCTIONS AT OVERHAUL OR AFTER BLADE INSTALLATION. THE FOLLOWING INSTRUCTIONS APPLY ONLY TO LINE MAINTENANCE. FILL WITH GREASE SPEC. 3581 GRADE AA EVERY 50 HRS. REMOVE ONE FITTING AND APPLY GREASE THROUGH ONE OF THE REMAINING FITTINGS UNTIL GREASE APPEARS AT OPEN FITTING HOLE. REPLACE FITTING IMMEDIATELY. REPEAT AT ALL FITTINGS. BRITISH SPEC.

2.029

TO ADJUST LOW BLADE ANGLE

- Read Tech. Order 03-20E-2
- ASSEMBLE WITH NO. 1 EXTERNAL SPLINE TOOTH OF PISTON ENGAGING CYLINDER SPLINE INDEX VALLEY. OMIT CYLINDER SEALS AND MASTER GEAR. CHECK LOW BLADE ANGLE. (APPROX. 20 DEGREES).
 - DETERMINE DIFFERENCE BETWEEN MEASURED AND DESIRED BLADE ANGLE. IF DIFFERENCE IS MORE THAN 10.3 DEGREES RE-INDEX PISTON INTERNAL SPLINE ON FIXED SPLINE TO REDUCE DIFFERENCE. ONE TOOTH EQUALS 10.3 DEGREES.
 - FROM TABLE SELECT PROPER EXTERNAL INDEX TOOTH OF PISTON TO CORRECT FOR DIFFERENCE NOTED. MARK INDEX TOOTH NUMBER, DESIRED BLADE ANGLE, AND SOCKET NUMBER ON INNER FACE OF PISTON HEAD.
 - REASSEMBLE WITH INDEX TOOTH ENGAGING INDEX VALLEY OF CYLINDER SPLINE. INSTALL CYLINDER SEALS AND MASTER GEAR.

ANGLE DIFFERENCE	MEASURED ANGLE HIGH		MEASURED ANGLE LOW	
	INTERNAL INDEX TOOTH OF PISTON	EXTERNAL INDEX TOOTH OF PISTON	INTERNAL INDEX TOOTH OF PISTON	EXTERNAL INDEX TOOTH OF PISTON
.23	6	.23	40	
.47	11	.47	35	
.70	16	.70	30	
.94	21	.94	25	
1.17	26	1.17	20	
1.40	31	1.40	15	
1.64	36	1.64	10	
1.87	41	1.87	5	
2.10	2	2.10	44	
2.34	7	2.34	39	
2.57	12	2.57	34	
2.81	17	2.81	29	
3.04	22	3.04	24	
3.27	27	3.27	19	
3.51	32	3.51	14	
3.74	37	3.74	9	
3.97	42	3.97	4	
4.21	3	4.21	43	
4.44	8	4.44	38	
4.68	13	4.68	33	
4.91	18	4.91	28	
5.14	23	5.14	23	
5.38	28	5.38	18	
5.61	33	5.61	13	
5.85	38	5.85	8	
6.08	43	6.08	3	
6.31	4	6.31	42	
6.55	9	6.55	37	
6.78	14	6.78	32	
7.01	19	7.01	27	
7.25	24	7.25	22	
7.48	29	7.48	17	
7.71	34	7.71	12	
7.95	39	7.95	7	
8.18	44	8.18	2	
8.42	5	8.42	41	
8.65	10	8.65	36	
8.88	15	8.88	31	
9.12	20	9.12	26	
9.35	25	9.35	21	
9.58	30	9.58	16	
9.82	35	9.82	11	
10.05	40	10.05	6	

2.019

← BALANCE

5.006

Figure 25—Decalcomanias

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FIG. NO.	INDEX NO.	S T O C K E D	GROUP Propellers and Accessories						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Propeller - Models A632S-A1 & A632S-A2							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
1	1.001		6500001									03-A
1	1.001		6500041									03-A
			6500002									03-A
4	2.002		6500006 (1*)						1			03-A
			6510001					Hub Assembly	1			03-A
			6510002					Tube - Increase pitch	3			03-A
			6510002					Tube - Decrease pitch	3			03-A
5	2.003		6510003					Shim - Preload bearing	3			03-A
5	2.004		6510014					Gear - Blade	3			03-A
5	2.005		6510004					Bearing - Preload	3			03-A
5	2.006		6510005					Gasket - Fixed spline	3			03-A
5	2.007		6500078					Spline Assembly - Fixed	3			03-A
5	2.037		6510007					Dowel - Fixed spline	15			03-A
5	2.038		6510008					Tube - Fixed spline transfer	3			03-A
5	2.008		6500007					Lock Assembly - Fixed spline bolt	3			03-A
5	2.009		6510011					Washer - Fixed spline bolt	3			03-A
5	2.010		6500008					Bolt Assembly - Fixed spline	3			03-A
5	2.011		6510015					Ring - Cylinder seal female end	3			03-A
5	2.012		6500098					Seal Assembly - Cylinder	3			03-A
5	2.013		6510017					Ring - Cylinder seal male end	3			03-A
5	2.014		6510018					Spring - Cylinder seal	6			03-A
5	2.015		6510019					Ring - Seal spacer	3			03-A
5	2.016		6500009					Piston Assembly - Blade	3			03-A
5	2.017		6510022					Ring - Piston	6			03-A
5	2.018		6500010					Cylinder Assembly	3			03-A
25	2.019		6510207					Decal - Cylinder assembly	3			03-A
5	2.020		6510063 (2*)					Seal - Blade cylinder external	3			03-A
5	2.021		6510064					Screw - Blade gear and cylinder	12			03-A
4	2.025		6500011					Gear Assembly - Master	1			03-A
			104918					Bearing, Ball - Master gear	78			03-A
			6510028					Ring, Snap - Master gear	1			03-A
4	2.026		6510029					Shim - Master gear	1			03-A
4	2.027		6510265					Plate - Master gear retaining	1			03-A
25	2.029		6510275					Decal - Hub lubrication	1			03-A
			AN286-1					Lubricator - Hub	3			29
4	2.031		AN74-5					Bolt - Master gear retaining plate	12			04-A
4	2.032		AN960-416					Washer - Master gear retaining plate	12			04-A
9	3.002		6510073					Tube - Transfer	6			03-A
9	3.003		6510076					Packing - Transfer tube	6			03-A
			6500004					Regulator Assembly	1			03-A
			6500074					Housing and Cover Assembly	1			03-A
			6510077-6					Stud - Governor (+.006)	4			03-A
			6510077-9					Stud - Governor (+.009)				
			6510077-12					Stud - Governor (+.012)				

(1*) Can be replaced by 6510000
(2*) Replaced by 6510421 or AN6230-11

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FIG. NO.	INDEX NO.	STOCKED	GROUP Propellers and Accessories						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Propeller - Models A632S-A1 & A632S-A2							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
			6510145						1		03-A	
			6510203						3		03-A	
			6510188						1		03-A	
			6510161						3		03-A	
			6510294-6						2		03-A	
			6510294-9									
			6510294-12									
9	3.092		503-10-16						24		04-A	
			6510270						12		03-A	
25	3.058		6510309						1		03-A	
25	3.059		6510325						1		03-A	
24	3.060		6510036						2		03-A	
16	3.033		6500107						1		03-A	
16	3.034		6510229						1		03-A	
16	3.035		6510232						1		03-A	
16	3.037		6510239						1		03-A	
16	3.036		6510233						1		03-A	
16	3.038		6500111						1		03-A	
16	3.039		AN502-8-6						2		04-A	
									1		03-A	
9	3.022		6500112						1		03-A	
12	3.023		6510241						1		03-A	
12	3.024		6510243						1		03-A	
24	3.025		6510244						2		03-A	
12	3.026		6500114						1		03-A	
12	3.027		6510331						1		03-A	
12	3.028		503-10-12						9		04-A	
12	3.029		AN960-10						9		04-A	
									1		03-A	
9	3.128		503-416-30						2		04-A	
									1		03-A	
9	3.062		6500193						1		03-A	
19	3.040		6500061						1		03-A	
22	3.049		6500105						1		03-A	
			6510157						2		03-A	
22	3.050		6510051						2		03-A	
			6510123						1		03-A	

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FIG. NO.	INDEX NO.	S T O C K E D	GROUP Propellers and Accessories						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Propeller - Models A632S-A1 & A632S-A2							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
22	3.044		6510261						1		03-A	
22	3.066		6510042						1		03-A	
22	3.042		6510256						1		03-A	
22	3.043		6510259						1		03-A	
22	3.047		6510044						1		03-A	
22	3.046		6510263						1		03-A	
22	3.048		6510190						1		03-A	
22	3.067		6510258						1		03-A	
22	3.045		6510262						1		03-A	
22	3.041		6500035						1		03-A	
22	3.068		6510159						1		03-A	
22	3.071		6510209						1		03-A	
									1		03-A	
22	3.093		503-10-8						2		04-A	
22	3.070		AN380C2-2						1		29	
9	3.072		AN960-416						4		04-A	
			AN355-4						4		04-A	
									1		03-A	
14	3.077		6510451						1		03-A	
14	3.030		6500014						1		03-A	
14	3.032		6500081						1		03-A	
9	3.072		AN960-416						2		04-A	
9	3.123		6510226						2		03-A	
									1		03-A	
17	3.110		6510292						1		03-A	
17	3.105		6500090						1		03-A	
17	3.106		6510291						1		03-A	
17	3.107		6500063						1		03-A	
17	3.108		6510293						1		03-A	
17	3.109		6510183						1		03-A	
17	3.100		AN380C2-4						1		29	
			AN355-3						2		04-A	
									1		03-A	
10	3.011		6510056						1		03-A	
9	3.006		6510295						1		03-A	
9	3.007		6500091						1		03-A	
9	3.015		6510297						1		03-A	
9	3.014		6500092						1		03-A	
10	3.012		6510054						1		03-A	
10	3.018		6510066						3		03-A	
10	3.115		6510057						3		03-A	
			6510065						2		03-A	
10	3.102		AN510-8-7						6		29	
10	3.121		6510139						3		03-A	
10	3.119		6510068						3		03-A	
10	3.118		6510062						1		03-A	

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FIG. NO.	INDEX NO.	STOCKED	GROUP Propellers and Accessories						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Propeller - Models A632S-A1 & A632S-A2							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
9	3.019		6510052						1		03-A	
			6500034						1		03-A	
			6510126						1		03-A	
			6510038						2		03-A	
9	3.101		AN502-10-4						3		04-A	
9	3.082		AN74-12						6		04-A	
									1		03-A	
10	3.016		6510280						1		03-A	
14	3.077		6510060						3		03-A	
10	3.117		6510061						3		03-A	
9	3.101		AN502-10-4						6		04-A	
9	3.075		6510071						1		03-A	
9	3.084		6510035						1		03-A	
9	3.085		6510034						1		03-A	
9	3.086		6510300 (1*)						20		03-A	
9	3.086		6510347 (1*)						2		03-A	
9	3.088		6510304									
9	3.088		6510305									
9	3.088		6510477 (2*)						3		03-A	
9	3.088		6510478									
9	3.088		6510479									
9	3.088		6510480									
									1		03-A	
9	3.021		6500124						1		03-A	
9	3.021		6510031						1		03-A	
25	3.090		6510272						1		03-A	
6	4.001		6500028						3		03-A	
7	4.010		6510096						12		03-A	
7	4.004		6510094						3		03-A	
7	4.003		6510095						3		03-A	
7	4.023		AN380C2-2						3		29	
7	4.002		6500029						3		03-A	
7	4.009		6510089						3		03-A	
7	4.008		6510090						3		03-A	
7	4.007		6510091						6		03-A	
7	4.006		6510092						3		03-A	
7	4.005		6510093						3		03-A	
6	4.013		6510120						15		03-A	
23	4.011		6510088 (3*)						3		03-A	
23	4.011		6510124 (3*)						9		03-A	
									1		03-A	

(1*) Quantity as required; approximate average listed.
 (2*) Selective lengths; maximum quantity of this item required, 3.
 (3*) Replaced by 6510174.

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SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCKED	GROUP Propellers and Accessories						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Propeller - Models A632S-A1 & A632S-A2							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
4	2.022		AN5007-60						1		03-A	
4	2.023		6510086 (1*)						1		03-A	
4	2.024		AN5009-60						1		03-A	
			AN502-8-6						19		04-A	
									1		03-A	
23	4.014		6500037						3		03-A	
23	4.011		6510162 (2*)						3		03-A	
23	4.016		6510163						3		03-A	
23	4.017		AN816-3						3		04-A	
			AN502-8-12						3		04-A	
1	1.002		AN5008-60						1		03-A	
1	1.003		6510247						1		03-A	
8	1.009		6510078						5		03-A	
2	1.010		6510125 (3*)						1		03-A	
2	1.010		6500025 (3*)						1		03-A	
2	1.013		6510127						1		03-A	
1	1.004		6510264 (1*)						1		03-A	
									1		03-A	
1	1.005		6510117 (4*)						1		03-A	
23	1.006		6500164 (4*)						1		03-A	
23	5.001		6510119						1		03-A	
23	5.003		6510326						18		03-A	
25	5.005		6510268						1		03-A	
25	5.006		6510269						3		03-A	
25	5.007		6510271						3		03-A	
									1		03-A	
1	1.008		AN74-4						9		04-A	
1	1.007		AN960-416						9		04-A	
									1		03-A	
			365-720						4		04-A	
									1		03-A	
25	3.154		6510418 (5*)						1		03-A	

(1*) One each 6510086 and 6510264 can be replaced with one each 6510339.
 (2*) Replaced by 6510174.
 (3*) 6510125 used on Model A632S-A1 only; 6500025 on Model A632S-A2 only.
 (4*) 6500176 can be used to replace 6500164 by using 6510404 adapter in place of 6510117.
 (5*) Installed on airplane.

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SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCKED	GROUP Propellers and Accessories							PROPERTY CLASSIFICATION												
			MAJOR ASSEMBLY Propeller - Models A632S-B1 & A632S-B5							UNITS PER ASSY	U.S. NAVY	U.S. ARMY	BRITISH									
			PART NUMBER	1	2	3	4	5	6					NOMENCLATURE								
1	1.001		6500095																Propeller Assembly (A632S-B1)			
1	1.001		6500127																Propeller Assembly (A632S-B5)			
			6500002																Hub Assembly			
4	2.002		6500006 (1*)									1							Hub			03-A
			6510001									1							Tube - Increase pitch			03-A
			6510002									3							Tube - Decrease pitch			03-A
5	2.003		6510003									3							Shim - Preload bearing			03-A
5	2.004		6510014									3							Gear - Blade			03-A
5	2.005		6510004									3							Bearing - Preload			03-A
5	2.006		6510005									3							Gasket - Fixed spline			03-A
5	2.007		6500078									3							Spline Assembly - Fixed			03-A
5	2.037		6510007									15							Dowel - Fixed spline			03-A
5	2.038		6510008									3							Tube - Fixed spline transfer			03-A
5	2.008		6500007									3							Lock Assembly - Fixed spline bolt			03-A
5	2.009		6510011									3							Washer - Fixed spline bolt			03-A
5	2.010		6500008									3							Bolt Assembly - Fixed spline			03-A
5	2.011		6510015									3							Ring - Cylinder seal female end			03-A
5	2.012		6500098									3							Seal Assembly - Cylinder			03-A
5	2.013		6510017									3							Ring - Cylinder seal male end			03-A
5	2.014		6510018									6							Spring - Cylinder seal			03-A
5	2.015		6510019									3							Ring - Seal spacer			03-A
5	2.016		6500009									3							Piston Assembly - Blade			03-A
5	2.017		6510022									6							Ring - Piston			03-A
5	2.018		6500010									3							Cylinder Assembly			03-A
25	2.019		6510207									3							Decal - Cylinder assembly			03-A
5	2.020		6510063 (2*)									3							Seal - Blade cylinder external			03-A
5	2.021		6510064									12							Screw - Blade gear and cylinder			03-A
4	2.025		6500011									1							Gear Assembly - Master			03-A
			104918									78							Bearing, Ball - Master gear			03-A
			6510028									1							Ring, Snap - Master gear			03-A
4	2.026		6510029									1							Shim - Master gear			03-A
4	2.027		6510265									1							Plate - Master gear retaining			03-A
25	2.029		6510275									1							Decal - Hub lubrication			03-A
			AN286-1									3							Lubricator - Hub			29-
4	2.031		AN74-5									12							Bolt - Master gear retaining plate			04-A
4	2.032		AN960-416									12							Washer - Master gear retaining plate			04-A
9	3.002		6510073									6							Tube - Transfer			03-A
8	3.003		6510076									6							Packing - Transfer tube			03-A
8	3.001		6500086 (3*)									1							Regulator Assembly			03-A
8	3.001		6500186 (3*)									1							Regulator Assembly			03-A

(1*) Can be replaced by 6510000

(2*) Replaced by 6510421 or AN6230-11

(3*) 6500086 used on Model A632S-B1 only; 6500186 on Model A632S-B5 only.

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SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	S T O C K E D	GROUP Propellers and Accessories						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Propeller - Models A632S-B1 & A632S-B5							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
22	3.050		6500087						1		03-A	
9	3.082		6510051						2		03-A	
9	3.082		6510077-6									
9	3.082		6510077-9						4		03-A	
9	3.082		6510077-12									
			6510188						1		03-A	
			6510203						3		03-A	
			6510161						3		03-A	
9	3.092		503-10-16						24		04-A	
			6510270						12		03-A	
22	3.093		503-8-6						17		04-A	
25	3.058		6510309						1		03-A	
25	3.059		6510325						1		03-A	
9	3.060		6510036						2		03-A	
16	3.033		6500107						1		03-A	
16	3.034		6510229						1		03-A	
16	3.035		6510232						1		03-A	
16	3.037		6510239						1		03-A	
16	3.036		6510233						1		03-A	
16	3.038		6500111						1		03-A	
16	3.039		AN502-8-6						2		04-A	
9	3.022		6500112						1		03-A	
12	3.023		6510241						1		03-A	
12	3.024		6510243						1		03-A	
12	3.025		6510244						2		03-A	
12	3.026		6500114						1		03-A	
12	3.027		6510331						1		03-A	
12	3.028		503-10-12						9		04-A	
12	3.029		AN960-10						9		04-A	
9	3.128		503-416-30						1		03-A	
9	3.062		6500193						1		03-A	

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SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	SYMBOL	GROUP Propellers and Accessories						UNITS PER ASSY	PROPERTY CLASSIFICATION										
			MAJOR ASSEMBLY Propeller - Models A632S-B1 & A632S-B5							U.S. NAVY	U.S. ARMY	BRITISH								
			PART NUMBER	1	2	3	4	5					6	NOMENCLATURE						
19	3.040		6500061 (1*)																	
19	3.040		6500125 (2*)																	
22	3.049		6500105																	
			6510157																	
22	3.050		6510051																	
			6510123																	
22	3.044		6510261																	
22	3.066		6510042																	
22	3.042		6510256 (1*)																	
22	3.042		6510330 (2*)																	
22	3.043		6510259																	
22	3.047		6510044																	
22	3.046		6510263																	
22	3.048		6510190																	
22	3.067		6510258																	
22	3.045		6510262																	
22	3.041		6500035																	
22	3.068		6510159																	
22	3.071		6510209																	
22	3.093		503-10-8																	
22	3.070		AN380C2-2																	
9	3.072		AN960-416																	
9	3.073		AN355-4																	
14	3.077		6510451																	
14	3.030		6500014 (3*)																	
14	3.032		6500081																	
9	3.072		AN960-416																	
9	3.123		6510226																	
11	3.132		6500157																	
11	3.017		6510440																	
11	3.076		6510481																	
11	3.077		6510451																	
11	3.078		6510453																	
			(1*) These parts used in Model A632S-B1 only. (2*) These parts used in Model A632S-B5 only. (3*) Can be replaced by 6500048 by using 6500081 gear.																	

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SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCKED	GROUP Propellers and Accessories						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Propeller - Models A632S-B1 & A632S-B5							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
11	3.079		6510324						3		03-A	
11	3.012		6510282						1		03-A	
11	3.011		6510283						1		03-A	
11	3.010		6510167						3		03-A	
11	3.009		6510227						3		03-A	
11	3.016		6510284						1		03-A	
11	3.018		6510428						3		03-A	
9	3.019		6510449						1		03-A	
9	3.020		6510285						1		03-A	
11	3.078		6510453						3		03-A	
9	3.101		503-8-4						3		04-A	
9	3.082		AN74-14						6		04-A	
									1		03-A	
9	3.006		6510447						1		03-A	
9	3.007		6500110						1		03-A	
9	3.015		6510448						1		03-A	
9	3.014		6500109						1		03-A	
9	3.075		6510071						1		03-A	
9	3.084		6510035						1		03-A	
9	3.085		6510034						1		03-A	
9	3.005		6510452						1		03-A	
9	3.086		6510300 (1*)						20		03-A	
9	3.086		6510347 (1*)						2		03-A	
9	3.088		6510304						3		03-A	
9	3.088		6510305									
9	3.088		6510477 (2*)									
9	3.088		6510478									
9	3.088		6510479									
9	3.088		6510480									
									1		03-A	
9	3.021		6500124						1		03-A	
9	3.021		6510031						1		03-A	
25	3.090		6510272						1		03-A	
6	4.001		6500028						3		03-A	
7	4.010		6510096						12		03-A	
7	4.004		6510094						3		03-A	
7	4.003		6510095						3		03-A	
7	4.023		AN380C2-2						3		29	
6	4.024		AN315-5R						3		04-A	
6	4.025		AN935-516						3		29	
7	4.002		6500029						3		03-A	
7	4.009		6510089						3		03-A	
7	4.008		6510090						3		03-A	
7	4.007		6510091						6		03-A	
7	4.006		6510092						3		03-A	

(1*) Quantity as required; approximate average listed.
(2*) Selective lengths; maximum quantity of this item required, 3.

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SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	S T O C K E D	GROUP Propellers and Accessories						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Propeller - Models A632S-B1 & A632S-B5							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
7	4.005		6510093						3		03-A	
6	4.013		6510120						15		03-A	
23	4.011		6510088 (1*)						3		03-A	
23	4.011		6510124 (1*)						9		03-A	
4	2.022		AN5007-60						1		03-A	
4	2.023		6510086 (2*)						1		03-A	
4	2.024		AN5009-60						1		03-A	
23	4.014		6500037						3		03-A	
23	4.011		6510162 (1*)						3		03-A	
23	4.016		6510163						3		03-A	
23	4.017		AN816-3						3		04-A	
			AN502-8-12						3		04-A	
			AN502-8-6						19		04-A	
1	1.002		AN5008-60						1		03-A	
1	1.003		6510247						1		03-A	
1	1.010		6510483						1		03-A	
1	1.004		6510264 (2*)						1		03-A	
1	1.005		6510117 (3*)						1		03-A	
23	1.006		6500164 (3*)						1		03-A	
23	5.001		6510119						1		03-A	
23	5.002		6500167						3		03-A	
23	5.003		6510326						18		03-A	
25	5.005		6510268						1		03-A	
25	5.006		6510269						3		03-A	
25	5.007		6510271						3		03-A	
1	1.008		AN74-4						9		04-A	
1	1.007		AN960-416						9		04-A	
25	3.154		6510418 (4*)						1		03-A	

(1*) Replaced by 6510174.
 (2*) One each 6510086 and 6510264 can be replaced with one each 6510339.
 (3*) Replaced with 6500176 by using 6510404 adapter in place of 6510117.
 (4*) Installed on airplane.

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SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCKED	GROUP Propeller and Accessories		UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Propeller - Model A632S-C1			U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1 2 3 4 5 6 NOMENCLATURE				
1	1.001		6500171	Propeller Assembly (A632S-C1)				
			6500002	Hub Assembly	1		03-A	
4	2.002		6510000 (1*)	Hub	1		03-A	
5	2.003		6510003	Shim - Preload bearing	3		03-A	
5	2.004		6510014	Gear - Blade	3		03-A	
5	2.005		6510004	Bearing - Preload	3		03-A	
5	2.006		6510005	Gasket - Fixed spline	3		03-A	
5	2.007		6500078	Spline Assembly - Fixed	3		03-A	
5	2.037		6510007	Dowel - Fixed spline	15		03-A	
5	2.038		6510008	Tube - Fixed spline transfer	3		03-A	
5	2.008		6500007	Lock Assembly - Fixed spline bolt	3		03-A	
5	2.009		6510011	Washer - Fixed spline bolt	3		03-A	
5	2.010		6500008	Bolt Assembly - Fixed spline	3		03-A	
5	2.011		6510015	Ring - Cylinder seal female end	3		03-A	
5	2.012		6500098	Seal Assembly - Cylinder	3		03-A	
5	2.013		6510017	Ring - Cylinder seal male end	3		03-A	
5	2.014		6510018	Spring - Cylinder seal	6		03-A	
5	2.015		6510019	Ring - Seal spacer	3		03-A	
5	2.016		6500009	Piston Assembly - Blade	3		03-A	
5	2.017		6510022	Ring - Piston	6		03-A	
5	2.018		6500010	Cylinder Assembly	3		03-A	
25	2.019		6510207	Decal - Cylinder assembly	3		03-A	
5	2.020		6510421 (2*)	Seal - Blade cylinder external	3		03-A	
5	2.021		6510064	Screw - Blade gear and cylinder	12		03-A	
4	2.025		6500011	Gear Assembly - Master	1		03-A	
			104918	Bearing, Ball - Master gear	78		03-A	
			6510028	Ring, Snap - Master gear	1		03-A	
4	2.026		6510029	Shim - Master gear	1		03-A	
4	2.027		6510265	Plate - Master gear retaining	1		03-A	
25	2.029		6510275	Decal - Hub lubrication	1		03-A	
			AN286-1	Lubricator - Hub	3		29	
4	2.031		AN74-5	Bolt - Master gear retaining plate	12		04-A	
4	2.032		AN960-416	Washer - Master gear retaining plate	12		04-A	
9	3.002		6510073	Tube - Transfer	6		03-A	
8	3.003		6510076	Packing - Transfer tube	6		03-A	
1	1.010		6500106	Stop - Adapter	1		03-A	
3	1.016		6510316	Bracket - Adapter stop	1		03-A	
3	1.011		6500064	Block Assembly - Adapter stop	1		03-A	
3	1.012		AN380-2-5	Pin - Cotter	1		29	
8	1.009		6510352	Spacer - Engine nose stud	2		03-A	
23	4.017		AN816-3	Connector - Anti-icing	3		04-A	
8	3.001		6500101 (3*)	Regulator Assembly	1		03-A	
9	3.094		6500169	Housing Assembly - Regulator	1		03-A	
22	3.050		6510051	Dowel - Pump locating	1		03-A	

(1*) Interchangeable with 6500006.
(2*) Replaced by AN6230-11.
(3*) Can be replaced by 6500201 or 6500131.

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SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCKED	GROUP Propeller and Accessories						UNITS PER ASSY	PROPERTY CLASSIFICATION			
			MAJOR ASSEMBLY Propeller - Model A6328-C1							U.S. NAVY	U.S. ARMY	BRITISH	
			PART NUMBER	1	2	3	4	5					6
9	3.128		6510245-6										
9	3.128		6510245-9						2	03-A			
9	3.128		6510245-12										
9	3.008		6510425 (1*)										
9	3.093		503-10-8					Bearing - Housing	1	03-A			
								Screw - Housing bearing mounting	8	04-A			
								Lockwire - Brass .032 dia. x 44 in.	1	03-A			
9	3.060		6510036					Gasket - Pressure control valve mounting	2	03-A			
16	3.033		6500307 (2*)					Valve Assembly - Pressure control	1	03-A			
16	3.034		6510229					Cap - Pressure control valve	1	03-A			
16	3.035		6510232					Gasket - Pressure control valve	1	03-A			
16	3.037		6510403					Spring - Pressure control valve	1	03-A			
16	3.036		6510233					Piston - Pressure control valve	1	03-A			
16	3.038		6500111					Body - Pressure control valve	1	03-A			
16	3.039		AN502-8-6					Screw - Pressure control valve cap	2	04-A			
								Lockwire - Brass .032 dia. x 6 in.	1	03-A			
9	3.022		6500112					Filter Assembly	1	03-A			
12	3.023		6510241					Body - Filter assembly	1	03-A			
12	3.024		6510243					Screen - Filter assembly	1	03-A			
12	3.025		6510244					Gasket - Filter	2	03-A			
12	3.026		6500114					Cap - Filter assembly	1	03-A			
12	3.027		6510331					Dowel - Pressure control valve locating	1	03-A			
12	3.028		503-10-12					Screw - Filter assembly	9	04-A			
12	3.029		AN960-10					Washer - Filter assembly	9	04-A			
								Lockwire - Brass .032 dia. x 30 in.	1	03-A			
9	3.073		AN355-4					Nut - Pressure control valve mounting	2	04-A			
								Lockwire - Brass .032 dia. x 7 in.	1	03-A			
9	3.062		6500193					Screen Assembly - Governor filter	1	03-A			
9	3.113		6510365 (3*)					Gasket - Governor	1	03-A			
9	3.127		6510179 (3*)					Spacer - Governor	1	03-A			
19	3.040		6500051 (3*)					Governor Assembly	1	03-A			
22	3.049		6500105					Housing and Piston Assembly	1	03-A			
22	3.050		6510051					Dowel - Governor	2	03-A			
			6510157					Pin - Governor adjustment locking	2	03-A			
			6510123					Pin - Governor piston stop	1	03-A			

(1*) Can be replaced by 6510335.
 (2*) Can be replaced by 6500185.
 (3*) 6500051 can be replaced by 6500150 or 6500450 by removing 6510179 and 6510365.

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SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCKED	GROUP Propeller and Accessories						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Propeller - Model A632S-C1							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
22	3.044		6510261						1		03-A	
22	3.066		6510042						1		03-A	
22	3.042		6510211						1		03-A	
22	3.043		6510259						1		03-A	
22	3.047		6510044						1		03-A	
22	3.046		6510263						1		03-A	
22	3.048		6510190						1		03-A	
22	3.067		6510258						1		03-A	
22	3.045		6510262						1		03-A	
22	3.041		6500035						1		03-A	
22	3.068		6510159						1		03-A	
22	3.071		6510209						1		03-A	
22	3.093		503-10-8						2		04-A	
22	3.070		AN380C2-2						1		03-A	
9	3.082		AN74-12						1		29	
9	3.072		AN960-416						4		04-A	
14	3.030		6500108 (1*)						4		04-A	
14	3.032		6500173						4		04-A	
9	3.112		6500045						1		03-A	
14	3.077		6510451						1		03-A	
9	3.123		6510226						2		03-A	
9	3.072		AN960-416						2		04-A	
			AN960-516						1		03-A	
			AN75-4						1		04-A	
11	3.012		6510435						1		04-A	
11	3.011		6510283						1		03-A	
11	3.078		6510453						1		03-A	
11	3.018		6510428						3		03-A	
11	3.132		6500157						3		03-A	
11	3.017		6510440						1		03-A	
11	3.076		6510481						1		03-A	
11	3.079		6510324						3		03-A	
11	3.077		6510451						3		03-A	
11	3.078		6510453						3		03-A	
11	3.016		6510284						1		03-A	
11	3.009		6510227						3		03-A	
11	3.010		6510167						3		03-A	
9	3.019		6510449						1		03-A	
9	3.020		6510285						1		03-A	
9	3.125		6500170 (2*)						1		03-A	
			6510203						3		03-A	
			6510058						1		03-A	
25	3.058		6510309						1		03-A	
25	3.059		6510325						1		03-A	

(1*) Interchangeable with 6500048.
(2*) Can be replaced by 6500143.

SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCKED	GROUP Propeller and Accessories						UNITS PER ASSY	PROPERTY CLASSIFICATION												
			MAJOR ASSEMBLY Propeller - Model A632S-C1							U.S. NAVY	U.S. ARMY	BRITISH										
			PART NUMBER	1	2	3	4	5					6	NOMENCLATURE								
9	3.013		6510442														Bearing - Cover	1			03-A	
9	3.093		503-10-8														Screw - Cover bearing mounting	9			04-A	
																	Lockwire - Brass .032 dia. x 60 in.	1			03-A	
9	3.006		6510447														Seal - Housing	1			03-A	
9	3.007		6500110														Spring - Housing seal	1			03-A	
9	3.015		6510448														Seal - Cover	1			03-A	
9	3.014		6500109														Spring - Cover seal	1			03-A	
9	3.005		6510452														Washer - Regulator	1			03-A	
9	3.075		6510385														Seal - Regulator cover, outer	1			03-A	
9	3.084		6510035														Washer - Filler plug	1			03-A	
9	3.085		6510034														Plug - Filler	1			03-A	
9	3.086		6510300 (1*)														Weight - Regulator balance	20			03-A	
9	3.086		6510347 (1*)														Weight - Regulator balance	2			03-A	
9	3.088		6510304														Bolt - Balance weight (7/8")	3			03-A	
9	3.088		6510305														Bolt - Balance weight (1-3/8")					
9	3.088		6510477 (2*)														Bolt - Balance weight (3/4")					
9	3.088		6510478 (2*)														Bolt - Balance weight (1")					
9	3.088		6510479 (2*)														Bolt - Balance weight (1-1/4")					
9	3.088		6510480 (2*)														Bolt - Balance weight (1-1/2")					
																	Lockwire - Brass .032 dia. x 27 in.	1			03-A	
9	3.082		AN74-14														Bolt - Regulator adapter	6			04-A	
9	3.101		503-8-4														Screw - Adapter lockwiring	3			04-A	
																	Lockwire - Brass .032 dia. x 42 in.	1			03-A	
9	3.092		503-10-14														Screw - Cover and housing assembly	24			04-A	
9	3.029		AN960-10														Washer - Cover and housing assembly	24			04-A	
9	3.021		6500124														Nut - Regulator	1			03-A	
9	3.021		6510031														Nut - Regulator	1			03-A	
25	3.090		6510272														Decal - Regulator nut	1			03-A	
6	4.001		6500096														Blade Assembly (A20-156-17)	3			03-A	
7	4.010		6510096														Dowel - Blade	12			03-A	
7	4.004		6510094														Nut - Blade	3			03-A	
7	4.003		6510095														Lock - Blade nut	3			03-A	
7	4.023		AN380C2-2														Pin, Cotter - Blade nut lock	3			29	
6	4.024		AN315-5R														Nut - Balance washer	3			04-A	
6	4.025		AN935-516														Washer - Lock	3			29	
7	4.002		6500029														Nut Assembly - Blade retaining nut	3			03-A	
7	4.009		6510089														Nut - Blade retaining	3			03-A	
7	4.008		6510090														Seal - Blade retaining nut	3			03-A	
7	4.007		6510091														Spring - Blade retaining nut seal	6			03-A	
7	4.006		6510092														Ring, Snap - Blade retaining nut	3			03-A	
7	4.005		6510093														Bearing - Blade	3			03-A	
6	4.013		6510120														Washer - Balance	15			03-A	
23	4.011		6510174														Lock and Weight - Blade retaining nut	22			03-A	

(1*) Quantity as required; approximate average listed.
(2*) Selective lengths; maximum quantity of this item required, 3.

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SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCKED	GROUP Propeller and Accessories						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Propeller - Model A632S-C1							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
23	4.014		6500205						3		03-A	
			6510410						3		03-A	
23	4.016		6510409						3		03-A	
			AN502-8-8						22		04-A	
									1		03-A	
4	2.023		6510086 (1*)						1		03-A	
1	1.004		6510264 (1*)						1		03-A	
4	2.022		AN5007-60						1		03-A	
4	2.024		AN5009-60						1		03-A	
									1		03-A	
1	1.002		AN5008-60						1		03-A	
1	1.003		6510247						1		03-A	
1	1.005		6510404						1		03-A	
									1		03-A	
23	1.006		6500176						1		03-A	
23	5.012		6500166						1		03-A	
23	5.002		6500167						1		03-A	
23	5.013		6500195						1		03-A	
23	5.001		6510524						1		03-A	
23	5.009		6500194						1		03-A	
23	5.003		6510326						18		03-A	
23	5.010		AN502-10-16						4		04-A	
23	5.011		AN510-10-14						4		29	
23	5.008		AN960-10						6		04-A	
25	5.006		6510269						3		03-A	
25	5.007		6510271						3		03-A	
25	5.005		6510268						1		03-A	
1	1.008		AN74-4						9		04-A	
1	1.007		AN960-416						9		04-A	
									1		03-A	
									1		03-A	
25	3.154		6510418 (2*)						1		03-A	
24	3.153		6500208 (3*)						1		03-A	
24	3.075		6510385						1		03-A	
24	3.016		6510284						1		03-A	
24	3.134		AN6230-11						1		04-B	
24	3.062		6500193						1		03-A	
24	3.113		6510365						1		03-A	
24	3.025		6510244						2		03-A	
24	3.035		6510232						1		03-A	
24	3.060		6510036						2		03-A	
24	3.077		6510451						5		03-A	
24	3.003		6510076						6		03-A	
24	3.084		6510035						1		03-A	

(1*) Both parts can be replaced by one 6510339.
 (2*) Installed on airplane.
 (3*) Gaskets used in the overhaul of a regulator assembly.
 Parts listed in this set have been previously listed according to their use in the propeller assembly.

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SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	S T O C K E D	GROUP Propellers and Accessories						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Propeller - Models A632S-C4 & A632S-C7							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
1	1.001		6500190	Propeller Assembly (Model A632S-C4)								03-A
1	1.001		6500454	Propeller Assembly (Model A632S-C7)								03-A
			6500002	Hub Assembly						1		03-A
4	2.002		6510000 (1*)	Hub						1		03-A
5	2.003		6510003	Shim - Preload bearing						3		03-A
5	2.004		6510014	Gear - Blade						3		03-A
5	2.005		6510004	Bearing - Preload						3		03-A
5	2.006		6510005	Gasket - Fixed spline						3		03-A
5	2.007		6500078	Spline Assembly - Fixed						3		03-A
5	2.037		6510007	Dowel - Fixed spline						15		03-A
5	2.038		6510008	Tube - Fixed spline transfer						3		03-A
5	2.008		6500007	Lock Assembly - Fixed spline bolt						3		03-A
5	2.009		6510011	Washer - Fixed spline bolt						3		03-A
5	2.010		6500008	Bolt Assembly - Fixed spline						3		03-A
5	2.011		6510015	Ring - Cylinder seal female end						3		03-A
5	2.012		6500098	Seal Assembly - Cylinder						3		03-A
5	2.013		6510017	Ring - Cylinder seal male end						3		03-A
5	2.014		6510018	Spring - Cylinder seal						6		03-A
5	2.015		6510019	Ring - Seal spacer						3		03-A
5	2.016		6500009	Piston Assembly - Blade						3		03-A
5	2.017		6510022	Ring - Piston						6		03-A
5	2.018		6500010	Cylinder Assembly						3		03-A
25	2.019		6510207	Decal - Cylinder assembly						3		03-A
5	2.020		6510421 (2*)	Seal - Blade cylinder external						3		03-A
5	2.021		6510064	Screw - Blade gear and cylinder						12		03-A
4	2.025		6500011	Gear Assembly - Master						1		03-A
			104918	Bearing, Ball - Master gear						78		03-A
			6510028	Ring, Snap - Master gear						1		03-A
4	2.026		6510029	Shim - Master gear						1		03-A
4	2.027		6510265	Plate - Master gear retaining						1		03-A
25	2.029		6510275	Decal - Hub lubrication						1		03-A
			AN286-1	Lubricator - Hub						3		29
4	2.031		AN74-5	Bolt - Master gear retaining plate						12		04-A
4	2.032		AN960-416	Washer - Master gear retaining plate						12		04-A
9	3.002		6510073	Tube - Transfer						6		03-A
8	3.001		6500201 (3*)	Regulator (service replacement)						1		03-A
8	3.003		6510076	Packing - Transfer tube						6		03-A
1	1.010		6500106	Stop - Adapter						1		03-A
3	1.016		6510316	Bracket - Adapter stop						1		03-A
3	1.011		6500064	Block Assembly - Adapter stop						1		03-A
3	1.012		AN380-2-5	Pin - Cotter						1		29
8	1.009		6510352	Spacer - Engine nose stud						2		03-A
23	4.017		AN816-3	Connector - Anti-icing						3		04-A
8	3.001		6500131	Regulator Assembly						1		03-A
9	3.094		6500132	Housing Assembly - Regulator						1		03-A

(1*) Interchangeable with 6500006.
(2*) Replaced by AN6230-11.
(3*) Interchangeable with 6500101.

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SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	S T O C K E D	GROUP <u>Propellers and Accessories</u>						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY <u>Propeller - Models A632S-C4 & A632S-C7</u>							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
			6510382 (1*)						1		03-A	
9	3.008		6510051 (2*)						1		03-A	
9	3.093		6510335						1		03-A	
			503-10-8						8		04-A	
9	3.128		AN74-7						1		03-A	
9	3.060		6510036						2		04-A	
15	3.033		6500185						1		03-A	
15	3.038		6510416						1		03-A	
15	3.147		6510417						1		03-A	
15	3.148		6510415						1		03-A	
15	3.036		6510233						1		03-A	
15	3.037		6510403						1		03-A	
15	3.149		AN6227-6						2		04-B	
13	3.146		6510379						1		03-A	
13	3.024		6500203						1		03-A	
13	3.133		6510337						1		03-A	
13	3.077		6510451						1		03-A	
13	3.026		6500204						1		03-A	
13	3.134		AN6230-1						1		04-B	
9	3.062		6500193						1		03-A	
18	3.040		6500150 (3*)						1		03-A	
20	3.046		6510364						1		03-A	
20	3.067		6510349						2		03-A	
20	3.045		6510357						1		03-A	
20	3.041		6500140						1		03-A	
20	3.131		6500142						1		03-A	
20	3.141		6510367						1		03-A	
20	3.044		6510376						1		03-A	
20	3.144		6510377						1		03-A	
20	3.143		6510374						1		03-A	
20	3.145		6510378						1		03-A	
20	3.043		6510350						1		03-A	
20	3.135		6510351						4		03-A	

(1*) Replaced by 6510800.
(2*) Replaced by 6510801.
(3*) Replaced by 6500450.

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SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCKED	GROUP Propellers and Accessories						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Propeller - Models A632S-C4 & A632S-C7							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
20	3.138		6510358						4		03-A	
20	3.136		6510355						1		03-A	
20	3.042		6510375						1		03-A	
20	3.047		6510361						1		03-A	
20	3.047		6510360						1		03-A	
20	3.142		6510372						1		03-A	
20	3.048		6510190						1		03-A	
20	3.093		AN502-10-16						2		04-A	
20	3.070		AN380-2-2						1		29	
9	3.082		AN74-12						4		04-A	
9	3.072		AN960-416						4		04-A	
									1		03-A	
14	3.030		6500048						1		03-A	
14	3.032		6500173						1		03-A	
9	3.112		6500045						1		03-A	
14	3.077		6510451						2		03-A	
9	3.123		6510226						2		04-A	
9	3.072		AN960-416						1		03-A	
			AN960-516						1		04-A	
11	3.012		AN75A-4						1		04-A	
11	3.011		6510435						1		03-A	
11	3.078		6510283						1		03-A	
11	3.018		6510453						3		03-A	
11	3.018		6510428						3		03-A	
11	3.132		6500157						1		03-A	
11	3.017		6510440						1		03-A	
11	3.076		6510481						3		03-A	
11	3.079		6510324						3		03-A	
11	3.077		6510451						3		03-A	
11	3.078		6510453						3		03-A	
11	3.016		6510284						1		03-A	
11	3.009		6510227						3		03-A	
11	3.010		6510167						3		03-A	
9	3.019		6510449						1		03-A	
9	3.020		6510285						1		03-A	
9	3.125		6500143						1		03-A	
			6510203						3		03-A	
			6510058						1		03-A	
25	3.058		6510309						1		03-A	
25	3.059		6510325						1		03-A	
9	3.013		6510442						1		03-A	
9	3.093		503-10-8						9		04-A	
									1		03-A	

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SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	S T O C K E D	GROUP Propellers and Accessories						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Propeller - Models A632S-C4 & A632S-C7							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
9	3.006		6510447						1		03-A	
9	3.007		6500110						1		03-A	
9	3.015		6510448						1		03-A	
9	3.014		6500109						1		03-A	
9	3.005		6510452						1		03-A	
9	3.075		6510385						1		03-A	
9	3.084		6510035						1		03-A	
9	3.085		6510034						1		03-A	
9	3.086		6510300 (1*)						20		03-A	
9	3.086		6510347 (1*)						2		03-A	
9	3.088		6510304						2		03-A	
9	3.088		6510305									
9	3.088		6510477						3		03-A	
9	3.088		6510478									
9	3.088		6510479 (2*)									
9	3.088		6510480						1		03-A	
9	3.082		AN74-14						6		04-A	
9	3.101		503-8-4						3		04-A	
9	3.092		503-10-14						1		03-A	
9	3.029		AN960-10						24		04-A	
9	3.021		6500124						24		04-A	
9	3.021		6510031						24		04-A	
9	3.021		6500124						24		04-A	
25	3.090		6510272						1		03-A	
6	4.001		6500442 (3*)						1		03-A	
6	4.001		6500096 (4*)						3		03-A	
7	4.010		6510096						3		03-A	
7	4.004		6510094						12		03-A	
7	4.003		6510095						3		03-A	
7	4.023		AN38002-2						3		03-A	
6	4.024		AN315-5R						3		04-A	
6	4.025		AN935-516						3		04-A	
7	4.002		6500029						3		03-A	
7	4.009		6510089						3		03-A	
7	4.008		6510090						3		03-A	
7	4.007		6510091						3		03-A	
7	4.006		6510092						6		03-A	
7	4.005		6510093						3		03-A	
6	4.013		6510120						3		03-A	
7	4.011		6510174						15		03-A	
									22		03-A	

(1*) Quantity as required; approximate average listed.
(2*) Selective lengths; maximum quantity of this item required, 3.
(3*) Used on Model A632S-C7 only; parts listed under 6500096 also apply on 6500442.
(4*) Used on Model A632S-C4 only.

SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCKED	GROUP Propellers and Accessories						UNITS PER ASSY	PROPERTY CLASSIFICATION				
			MAJOR ASSEMBLY Propeller - Models A632S-C4 & A632S-C7							U.S. NAVY	U.S. ARMY	BRITISH		
			PART NUMBER	1	2	3	4	5					6	NOMENCLATURE
23	4.014		6500205						3					
23	4.022		6510410						3					03-A
23	4.016		6510409						3					03-A
			AN502-8-8						22					04-A
4	2.023		6510339						1					03-A
4	2.022		AN5007-60						1					03-A
4	2.024		AN5009-60						1					03-A
1	1.002		AN5008-60						1					03-A
1	1.003		6510247						1					03-A
1	1.005		6510404						1					03-A
23	1.006		6500176						1					03-A
23	5.012		6500166											
23	5.012		6500456 (1*)						1					03-A
23	5.002		6500167											
23	5.002		6500446 (1*)						3					03-A
23	5.013		6500195											
23	5.001		6510524						1					03-A
23	5.009		6500194						1					03-A
23	5.003		6510326						1					03-A
23	5.010		AN502-10-16						18					03-A
23	5.011		AN510-10-14						4					04-A
23	5.008		AN960-10						4					29
25	5.006		6510269						6					04-A
25	5.007		6510271						3					03-A
25	5.005		6510268						3					03-A
1	1.008		AN74-4						1					03-A
1	1.007		AN960-416						9					04-A
									9					04-A
									1					03-A
25	3.154		6510418 (2*)						1					03-A
24	3.153		6500208 (3*)						1					03-A
24	3.075		6510385						1					03-A
24	3.016		6510284						1					03-A
24	3.134		AN6230-1						1					04-B
24	3.062		6500193						1					03-A
24	3.113		6510365						1					03-A
24	3.025		6510244						2					03-A
24	3.035		6510232						1					03-A
24	3.060		6510036						2					03-A
24	3.077		6510451						5					03-A
24	3.003		6510076						6					03-A
24	3.084		6510035						1					03-A
<p>(1*) These parts are used on Model A632S-C7 and are not component parts of 6500176. It is necessary to replace 6500167 with 6500446, making 6500166 into 6500456, when using 6500442 blades in place of 6500096 blades.</p>														
<p>{2*} Installed on airplane.</p>														
<p>{3*} Gaskets used in the overhaul of a regulator assembly; parts listed in this set have been previously listed according to their use in the propeller assembly.</p>														

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SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCKED	GROUP <u>Propellers and Accessories</u>						UNITS PER ASSY	PROPERTY CLASSIFICATION			
			MAJOR ASSEMBLY Propeller - Models <u>A642S-D1, -D2, -D3</u>							U.S. NAVY	U.S. ARMY	BRITISH	
			PART NUMBER	1	2	3	4	5					6
1	1.001		6500183									03-A	
1	1.001		6500315									03-A	
1	1.001		6500451									03-A	
			6500160							1		03-A	
4	2.002		6510400							1		03-A	
5	2.003		6510003							4		03-A	
5	2.004		6510014							4		03-A	
5	2.005		6510004							4		03-A	
5	2.006		6510005							4		03-A	
5	2.007		6500078							4		03-A	
5	2.037		6510007							20		03-A	
5	2.038		6510008							4		03-A	
5	2.008		6500007							4		03-A	
5	2.009		6510011							4		03-A	
5	2.010		6500008							4		03-A	
5	2.011		6510015							4		03-A	
5	2.012		6500098							4		03-A	
5	2.013		6510017							4		03-A	
5	2.014		6510018							8		03-A	
5	2.015		6510019							4		03-A	
5	2.016		6500009							4		03-A	
5	2.017		6510022							8		03-A	
5	2.018		6500010							4		03-A	
25	2.019		6510207							4		03-A	
5	2.020		AN6230-11							4		04-B	
5	2.021		6510064							16		03-A	
4	2.025		6500011							1		03-A	
			104918							78		03-A	
			6510028							1		03-A	
4	2.026		6510029							1		03-A	
4	2.027		6510265							1		03-A	
25	2.029		6510275							1		03-A	
			AN286-1							4		29	
4	2.031		AN74-5							12		04-A	
4	2.032		AN960-416							12		04-A	
8	3.001		6500202							1		03-A	
8	3.003		6510399							8		03-A	
8	1.010		6500106							1		03-A	
3	1.016		6510316							1		03-A	
3	1.011		6500064							1		03-A	
3	1.012		AN380-2-5							1		29	
8	1.009		6510352							2		03-A	
23	4.017		AN823-3							4		04-A	
8	3.001		6500162							1		03-A	
9	3.094		6500147							1		03-A	

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SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCKED	GROUP Propellers and Accessories						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Propeller - Models A642S-D1, -D2, -D3							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
12	3.027		6510382 (1*)						1		03-A	
			6510051 (2*)						1		03-A	
			6510096						1		03-A	
9	3.008		6510397						1		03-A	
9	3.093		503-10-8						9		04-A	
9	3.128		AN74-7						2		04-A	
9	3.060		6510036						1		03-A	
15	3.033		6500185						1		03-A	
15	3.038		6510416						1		03-A	
15	3.147		6510417						1		03-A	
15	3.148		6510415						1		03-A	
15	3.036		6510233						1		03-A	
15	3.037		6510403						1		03-A	
15	3.149		AN6227-6						2		04-B	
13	3.146		6510379						1		03-A	
13	3.024		6500203						1		03-A	
13	3.133		6510337						1		03-A	
13	3.077		6510451						1		03-A	
13	3.026		6500204						1		03-A	7x2v
13	3.134		AN6230-1						1		04-B	223v
9	3.062		6500193						1		03-A	
18	3.040		6500450						1		03-A	
21	3.046		6510364						1		03-A	
21	3.067		6510349						2		03-A	
21	3.045		6510357						1		03-A	
21	3.041		6500140						1		03-A	
21	3.131		6500142						1		03-A	
21	3.141		6510367						1		03-A	
21	3.044		6510376						1		03-A	
21	3.144		6510377						1		03-A	
21	3.143		6510374						1		03-A	
21	3.145		6510537						1		03-A	
21	3.155		6510538						1		03-A	

(1*) Replaced by 6510800.
(2*) Replaced by 6510801.

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SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCKED	GROUP Propellers and Accessories						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Propeller - Models A642S-D1, -D2, -D3							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
21	3.043		6510350						1		03-A	
21	3.135		6510351						4		03-A	
* 21	3.138		6510358						4		03-A	
21	3.136		6510355						1		03-A	
									1		03-A	
21	3.042		6510375						1		03-A	
21	3.047		6510361						1		03-A	
21	3.047		6510360						1		03-A	
21	3.142		6510372						1		03-A	
21	3.048		6510190						1		03-A	
21	3.093		AN502-10-16						2		04-A	
									1		03-A	
21	3.070		AN380-2-2						1		29	
9	3.082		AN74-12						4		04-A	
9	3.072		AN960-416						4		04-A	
									1		03-A	
14	3.030		6500154						1		03-A	
14	3.032		6500173						1		03-A	
9	3.112		6500045						1		03-A	
14	3.077		6510451						1		03-A	
9	3.123		6510226						2		03-A	
9	3.072		AN960-416						2		04-A	
									1		03-A	
			AN960-516						1		04-A	
			AN75A-4						1		04-A	
11	3.012		6510435						1		03-A	
11	3.011		6510283						1		03-A	
11	3.078		6510453						3		03-A	
11	3.018		6510428						3		03-A	
11	3.132		6500157						1		03-A	
11	3.017		6510440						1		03-A	
11	3.076		6510481						3		03-A	
11	3.079		6510324						3		03-A	
11	3.077		6510451						3		03-A	6x2V
11	3.078		6510453						3		03-A	
11	3.016		6510284						1		03-A	
11	3.009		6510227						3		03-A	
11	3.010		6510167						3		03-A	
9	3.019		6510449						1		03-A	
9	3.020		6510285						1		03-A	
9	3.125		6500149						1		03-A	
			6510203						3		03-A	
25	3.058		6510309						1		03-A	
									1		03-A	
25	3.059		6510325						1		03-A	

SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	S T O C K E D	GROUP Propellers and Accessories						UNITS PER ASSY	PROPERTY CLASSIFICATION											
			MAJOR ASSEMBLY Propeller - Models A642S-D1, -D2, -D3							U.S. NAVY	U.S. ARMY	BRITISH									
			PART NUMBER	1	2	3	4	5					6	NOMENCLATURE							
9	3.013		6510398														Bearing - Cover	1			03-A
9	3.093		503-10-8														Screw - Cover bearing mounting	10			04-A
																	Lockwire - Brass .032 dia.x 70 in.	1			03-A
9	3.006		6510447														Seal - Housing	1			03-A
9	3.007		6500110														Spring - Housing seal	1			03-A
9	3.015		6510448														Seal - Cover	1			03-A
9	3.014		6500109														Spring - Cover seal	1			03-A
9	3.005		6510452														Washer - Regulator	1			03-A
9	3.075		6510385														Seal - Regulator cover, outer	1			03-A
9	3.084		6510035														Washer - Filler plug 5/8"	1			03-A
9	3.085		6510034														Plug - Filler	1			03-A
9	3.086		6510300 (1*)														Weight - Regulator balance	20			03-A
9	3.086		6510347 (1*)														Weight - Regulator balance	2			03-A
9	3.088		6510304														Bolt - Balance weight (7/8")				
9	3.088		6510305														Bolt - Balance weight (1-3/8")				
9	3.088		6510477														Bolt - Balance weight (3/4")				
9	3.088		6510478														Bolt - Balance weight (1")				
9	3.088		6510479 (2*)														Bolt - Balance weight (1-1/4")				
9	3.088		6510480														Bolt - Balance weight (1-1/2")				
																	Lockwire - Brass .032 dia.x 18 in.	1			03-A
9	3.082		AN74-14														Bolt - Regulator adapter	6			04-A
9	3.101		503-8-4														Screw - Adapter lockwiring	3			04-A
																	Lockwire - Brass .032 dia.x 42 in.	1			03-A
9	3.092		AN74-13														Bolt - Regulator cover mounting	24			04-A
9	3.072		AN960-416														Washer - Cover mounting	48			04-A
			365-428														Nut - Regulator cover mounting	24			04-A
9	3.021		6500124														Nut - Regulator	1			03-A
9	3.021		6510031														Nut - Regulator	1			03-A
25	3.090		6510272														Decal - Regulator nut	1			03-A
6	4.001		6500096														Blade Assembly (A20-156-17)				
6	4.001		6500317 (3*)														Blade Assembly (A2721107)	4			03-A
6	4.001		6500442														Blade Assembly (A20-156-24M)				
7	4.010		6510096														Dowel - Blade	16			03-A
7	4.004		6510094														Nut - Blade	4			03-A
7	4.003		6510095														Lock - Blade nut	4			03-A
7	4.023		AN380C2-2														Pin, Cotter - Blade nut lock	4			29
6	4.024		AN315-5R														Nut - Balance washer	4			04-A
6	4.025		AN935-516														Washer - Lock	4			29

(1*) Quantity as required; approximate average listed.
 (2*) Selective lengths; maximum quantity of this item required, 3.
 (3*) 6500096 used on Model A642S-D1.
 6500317 used on Model A642S-D2.
 6500442 used on Model A642S-D3.

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SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCKED	GROUP Propellers and Accessories						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Propeller - Models A642S-D1, -D2, -D3							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
7	4.002		6500029						4		03-A	
7	4.009		6510089						4		03-A	
7	4.008		6510090						4		03-A	
7	4.007		6510091						8		03-A	
7	4.006		6510092						4		03-A	
7	4.005		6510093						4		03-A	
6	4.013		6510120						16		03-A	
7	4.011		6510174						22		03-A	
23	4.014		6500207						4		03-A	
23	4.022		6510410						4		03-A	
23	4.016		6510409						4		03-A	
			AN502-8-8						22		04-A	
									1		03-A	
4	2.023		6510339						1		03-A	
4	2.022		AN5007-60						1		03-A	
4	2.024		AN5009-60						1		03-A	
									1		03-A	
1	1.002		AN5008-60						1		03-A	
1	1.003		6510247						1		03-A	
1	1.005		6510404						1		03-A	
									1		03-A	
23	1.006		6500179						1		03-A	
23	5.012		6500180						1		03-A	
23	5.012		6500453 (1*)						1		03-A	
23	5.002		6500167						4		03-A	
23	5.002		6500446 (1*)						4		03-A	
23	5.013		6500199						1		03-A	
23	5.001		6510524						1		03-A	
23	5.009		6500194						1		03-A	
23	5.003		6510326						20		03-A	
23	5.010		AN502-10-16						4		04-A	
23	5.011		AN510-10-14						4		29	
23	5.008		AN960-10						6		04-A	
25	5.006		6510269						4		03-A	
25	5.007		6510271						4		03-A	
25	5.005		6510268						1		03-A	
1	1.008		AN74-4						9		04-A	
1	1.007		AN960-416						9		04-A	
									1		03-A	
25	3.154		6510418 (2*)						1		03-A	
			(1*)	These parts are used on Model A642S-D3 and are not component parts of 6500179. It is necessary to replace 6500167 with 6500446, making 6500180 into 6500453, when using 6500442 blades in place of 6500096 blades.								
			(2*)	Installed on airplane.								

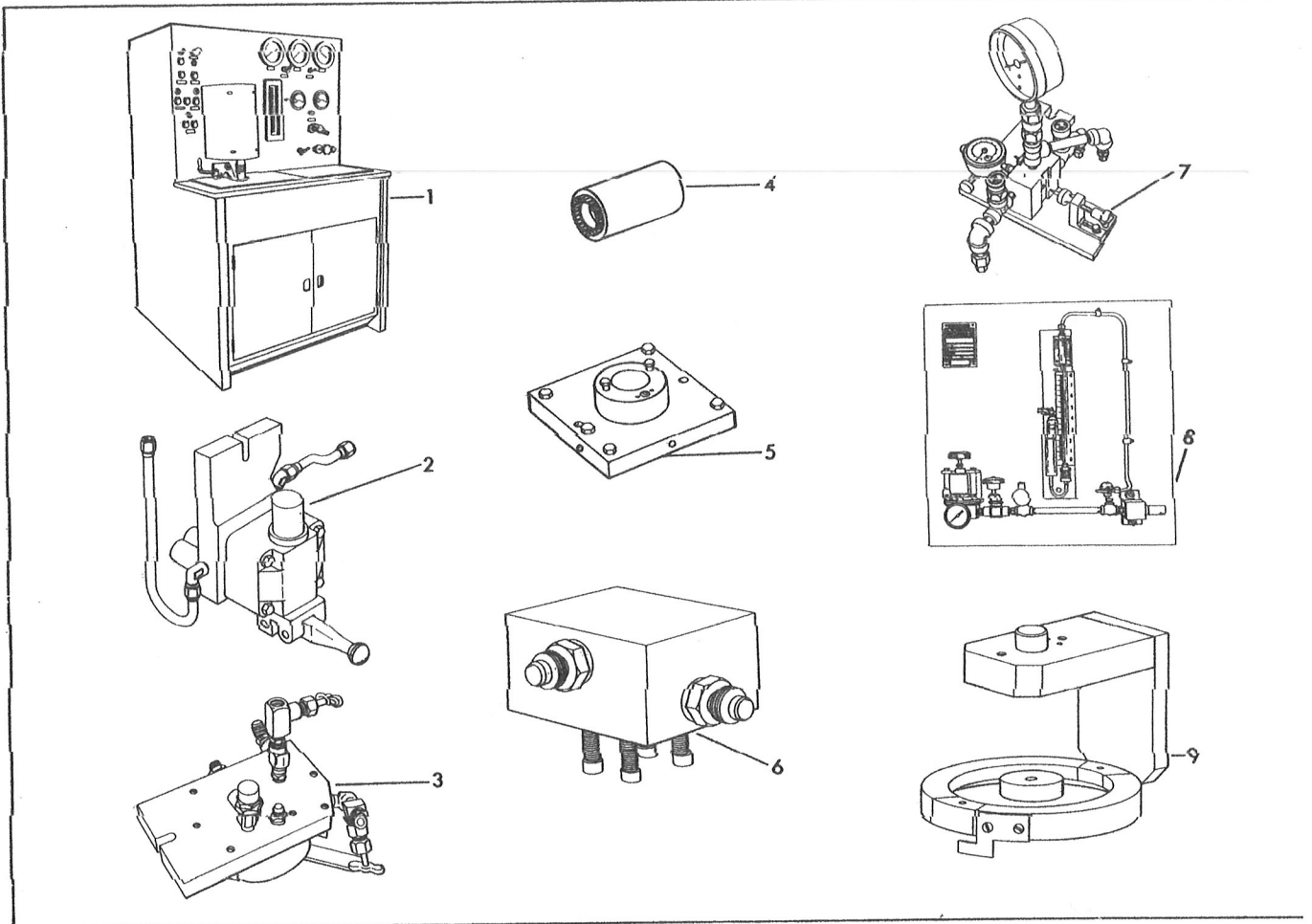


Figure 14. Test Equipment
for Regulator Assy Components

Fig. & Index No.	Part Number	1234567	Description	U Units at Per o Assy Cc
14-1	APM1159		STAND, Pump test	1
14-2	APM1181		TEST PAD, Hydraulic damping	1
14-3	APM1174		TEST PAD, Hydraulic (PCV)	1
14-4	APM1092		ADAPTER, Gear	1
14-5	APM1099		ADAPTER, R. H. 0.072 pump	1
14-6	6508223		FIXTURE, Test, governor assy	1
14-7	6508205		PAD, Test, governor piston & cylinder assy.	1
14-8	6508214		FIXTURE, Test, relief valve assy	1
14-9	6508230		ADAPTER, Spring tester, governor adjusting spring	1

SECTION III
NUMERICAL INDEX

PART NUMBER	STOCK NUMBER	FIG. & INDEX NUMBER	SOURCE CODE	ACCT/RECOVER CODE	PART NUMBER	STOCK NUMBER	FIG. & INDEX NUMBER	SOURCE CODE	ACCT/RECOVER CODE
AN148565		4-9			APM1092		14-4	P1	F
AN315-5R		5-10			APM1099		14-5	P1	F
AN365-428		1-23			APM1106		13-1	P1	F
AN380-2-2		4-18			APM1107		13-2	P1	F
AN380C2-2		1-6			APM1108		13-3	P1	F
AN394-19		1-6			APM1109		13-9	P	F
AN4-20A		1-24			APM1111		13-7	P1	F
AN5007-60		1-10			APM1141		13-8	P	F
AN5008-60		1-20			APM1153		14-1	P1	F
AN502-8-8		1-15			APM1174		14-3		
AN503-8-4		2-6			APM1181		14-2		
AN6227-1		2-37			APS10028		9-3	P4	
AN6227-11		3-15			APS10043		11-7	P1	F
AN6227-3		2-35			APS10293		7-10	P1	F
AN6227-36		6-18					11-2		
AN6227-4		2-21			APS10295		7-12	P1	I
AN6227-5		3-14					11-4		
AN6227-54		1-3			APS10296		11-8	MO	
AN6227-7		3-5			APS10297		11-9		
AN6227-9		2-56			A642-G805		1-		
AN6230-1		2-68			F0L10BS1273C09		6-41		
AN6230-11		6-27			GM147485		6-10		
AN6230-29		7-5			G306590		6-44		
AN6246-36		6-19			JL10S428		2-47		
AN73-5		2-45			MS9089-09		6-3		
AN73A3		2-31			M20A2-162-0		5-12		
AN74-12		2-59			SWE54		8-4	P1	
AN74-13		2-28			SWE63		8-5	P1	
AN74-14		2-10			SWE67		8-6	P1	
AN74-20		1-24			SWE8051		8-		
AN74-5		6-3			SWE8100		8-7		
AN75-6		1-21			SWE8205		8-8		
AN935-516		5-11			SWE8451		8-9		
AN950-10		2-46			SWE84513		8-10		
AN960-416		2-27			SWE84514		8-10		
AN960-416L		1-7			SWE8651		8-11		
APM1001		15-1	P1	C	012782-010-05		2-50		
APM1003		7-2			110KR2		6-41		
		15-2			1806		8-14		
APM1005		7-3	P1	C	216-3-16		6-10		
		15-3			5A400		8-12		
APM1010		7-4	P1	C	6500011		6-		
		15-4			6500069		7-16		
APM1011		7-5	P1	C			12-12		
		15-5			6500075		8-2	P	
APM1015		7-6	P1	C	6500109		2-32		
		15-6			6500110		2-72		
APM1016		11-6	P1	RL	6500145		2-66		
		15-8			6500234		8-1	P	
APM1019		11-5	P1	RL	6500241		12-1	P1	
		15-7			6500243		12-8	P	
							1-		

6500512	5-16			6503022	7-9	P1	C
6500523	12-6	P	RL		11-1		
6500591	9-4			6503069	11-10	MO	
6500594	7-13	P1	E	6503345	4-7		
	12-13			6503733	4-		
6500623	6-33			6504484	7-8	P1	E
6500624	6-				12-14		
6500625	6-			6504690	10-9		
6500668	11-14	P	RL	6505121	5-		
6500674	12-5	P	C	6506468	10-8	P4	
6500686	8-3	P1	C	6508185	12-3		
6500692	1-			6508186	11-15		
6500720	1-2			6508187	12-7		
6500722	2-72			6508192	10-11		
6500723	2-32			6508193	10-10		
6500726	2-61			6508194	15-11		
6500727	6-44			6508195	12-9		
6500815	3-21			6508198	10-3		
6500951	2-22			6508200	10-4		
6501011	2-25			6508201	10-5		
6501038	1-12			6508202	10-7		
	2-			6508203	10-6		
6501070	4-4			6508204	10-14		
6501123	2-78			6508205	14-7		
6501170	5-16			6508214	14-8	P4	
6501411	7-14	P1	C	6508215	11-12		
6501427	10-2	P1	RL	6508218	11-13	P4	
6501454	1-17			6508221	10-1	P	C
	5-			6508222	10-12	P4	
6501490	9-1	P1	RL	6508223	14-6	P4	
6501509	2-62			6508229	12-10	P4	
6501647	2-58			6508230	9-5	P4	
	4-				14-9		
6501648	4-7			6508236	12-2	P4	
6501766	8-13			6510003	6-43		
6501777	8-12	P1	E	6510025	6-11		
6501783	8-7	P1	E	6510026	6-9		
6501787	8-4	P1	E	6510028	6-8		
6501788	8-5	P1	C	6510029	6-7		
6501789	8-6	P1	C	6510034	2-1		
6502010	8-8			6510035	2-2		
6502013	8-10			6510064	6-29		
6502014	8-10			6510092	5-5		
6502017	8-11			6510093	5-4		
6502023	8-			6510095	5-2		
6502040	7-15	P	E	6510096	5-13		
6502074	7-7	P1	E	6510120	1-16		
6502241	2-52				2-76		
	3-				5-9		
6502288	6-36			6510174	1-14		
6502354	3-			6510190	4-17		
6502365	4-			6510226	2-43		
6502409	2-50			6510227	2-38		
6502424	2-42			6510300	2-75		
6502455	8-9			6510324	2-17		
6502521	1-12			6510337	2-67		
	2-			6510347	2-76		
6502522	2-34			6510349	4-13		
6502523	2-			6510351	4-14		
6502659	2-9			6510355	4-2		
6502662	2-13			6510356	4-21		
6502693	1-			6510357	4-15		
6502694	1-			6510358	4-20		
6502695	1-19			6510360	4-11		
	6-			6510361	4-10		
6502696	2-9			6510364	4-19		
6502704	3-			6510374	4-12		
6503007	2-58			6510377	5-24		
	4-			6510379	2-63		
6503008	4-3			6510385	2-29		
6503014	7-11	P1	E	6510398	2-30		
	11-3			6510399	1-13		

PART NUMBER	STOCK NUMBER	FIG. & INDEX NUMBER	SOURCE CODE	ACCT/RECOVER CODE	PART NUMBER	STOCK NUMBER	FIG. & INDEX NUMBER	SOURCE CODE	ACCT/RECOVER CODE
6510447		2-73			6511604		3-6		
6510448		2-33			6511606		3-7		
6510451		2-20			6511792		2-8		
		2-51			6511907		2-76		
		2-65			6512133		3-19		
6510452		2-74			6512342		3-3		
6510453		2-16			6512447		2-49		
6510477		2-77			6512504		2-57		
6510478		2-77			6512517		6-2		
6510479		2-77			6512518		5-8		
6510480		2-77			6512722		5-19		
6510481		2-18			6512785		1-14		
6510537		4-8			6513011		7-17	P	C
6510682		6-16					12-11		
6510706		2-16			6513399		5-3		
		2-19			6513412		2-64		
6510767		6-22			6513765		4-6		
6510772		6-35			6513766		4-5		
6510775		6-17			6514394		6-30		
6510778		6-20			6514713		2-36		
6510780		6-15			6514914		11-11	P1	RL
6510804		2-28			6515151		6-39		
6510826		6-24			6515152		6-40		
6510853		1-14			6515155		6-37		
6510875		1-1			6515202		2-7		
6510898		2-29			6515226		3-12		
6510952		1-5			6515227		3-2		
6510968		1-4					3-13		
6511017		1-9			6515289		2-5		
6511021		12-4	P	C	6515290		2-3		
6511026		2-71			6515310		8-14		
6511044		6-42			6515312		9-2	P	RL
6511045		6-23			6515328		6-45		
6511046		2-69			6515334		6-14		
6511053		5-18			6515590		2-15		
6511054		5-17			6515631		2-16		
6511055		5-14			6515632		2-16		
6511056		5-19			6515633		2-16		
6511057		5-15			6515634		2-16		
6511114		5-18			6515655		2-23		
6511191		6-26			6515909		2-11		
6511192		6-25			6515997		3-17		
6511272		2-23			6515998		3-20		
6511278		2-15			6515999		3-19		
6511284		6-6			6516006		6-28		
6511285		4-25			6516010		1-18		
6511298		6-12			6516026		2-12		
6511317		2-24			6516100		2-54		
6511320		1-11			6516965		4-4		
6511325		2-41			6517103		3-18		
6511326		2-39			6517104		3-18		
6511328		2-48			6517105		3-18		
6511329		4-16			6517106		3-18		
6511331		5-1			6517108		3-18		
6511332		5-22			6517109		3-18		
6511335		1-25			6517110		3-18		
6511336		1-22			6517111		3-18		
6511356		6-13			6517883		1-9		
6511469		2-40			6518707		5-23		
6511470		2-3			6518708		5-24		
6511502		3-11			6523939		10-13		
		3-16			6526281		5-6		
6511521		2-14			6526282		5-7		
6511523		3-8			6782262-428		2-47		
6511544		2-5			6842304		6-1		
6511552		3-9			6845442-12902		6-3		
6511555		3-1			7A100		8-13		
6511571		2-4							

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SECTION III—NUMERICAL PARTS LIST

Models A6328-A1 and A6328-A2

PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QUANTITY	PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QUANTITY	PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QUANTITY
104918	20	78	6510034	23	1	6510183	22	1
6500001 (1*)	20	1	6510035	23	1	6510188	21	1
6500002	20	1	6510036	21	2	6510190	22	1
6500004	20	1	6510038	23	2	6510203	21	3
6500006	20	1	6510042	22	1	6510207	20	3
6500007	20	3	6510044	22	1	6510209	22	1
6500008	20	3	6510051	21	2	6510226	22	2
6500009	20	3	6510052	23	1	6510229	21	1
6500010	20	3	6510054	22	1	6510232	21	1
6500011	20	1	6510056	22	1	6510233	21	1
6500014	22	1	6510057	22	3	6510239	21	1
6500025 (2*)	24	1	6510060	23	3	6510241	21	1
6500028	23	3	6510061	23	3	6510243	21	1
6500029	23	3	6510062	22	1	6510244	21	2
6500034	23	1	6510063	20	3	6510247	24	1
6500035	22	1	6510064	20	12	6510256	22	1
6500037	24	3	6510065	22	2	6510258	22	1
6500041 (2*)	20	1	6510066	22	3	6510259	22	1
6500061	21	1	6510068	22	3	6510261	22	1
6500063	22	1	6510071	23	1	6510262	22	1
6500074	20	1	6510073	20	6	6510263	22	1
6500078	20	3	6510076	20	6	6510264	24	1
6500081	22	1	6510077-6	20	4	6510265	20	1
6500090	22	1	6510077-9			6510268	24	1
6500091	22	1	6510077-12			6510269	24	3
6500092	22	1	6510078	24	5	6510270	21	12
6500098	20	3	6510086	24	1	6510271	24	3
6500105	21	1	6510088	23	3	6510272	23	1
6500107	21	1	6510089	23	3	6510275	20	1
6500111	21	1	6510090	23	3	6510280	23	1
6500112	21	1	6510091	23	6	6510291	22	1
6500114	21	1	6510092	23	3	6510292	22	1
6500124	23	1	6510093	23	3	6510293	22	1
6500164	24	1	6510094	23	3	6510294-6	21	2
6500193	21	1	6510095	23	3	6510294-9		
6510001	20	3	6510096	23	12	6510294-12		
6510002	20	3	6510117	24	1	6510295	22	1
6510003	20	3	6510119	24	1	6510297	22	1
6510004	20	3	6510120	23	15	6510300	23	20
6510005	20	3	6510123	21	1	6510304	23	*
6510007	20	15	6510124	23	9	6510305	23	*
6510008	20	3	6510125 (1*)	24	1	6510309	21	1
6510011	20	3	6510126	23	1	6510325	21	1
6510014	20	3	6510127	24	1	6510326	24	18
6510015	20	3	6510139	22	3	6510331	21	1
6510017	20	3	6510145	21	1	6510347	23	2
6510018	20	6	6510157	21	2	6510418	24	1
6510019	20	3	6510159	22	1	6510451	22	1
6510022	20	6	6510161	21	3	6510477	23	*
6510028	20	1	6510162	24	3	6510478	23	*
6510029	20	1	6510163	24	3	6510479	23	*
6510031	23	1				6510480	23	*

* These are selective length bolts; maximum quantity required, 3.

(1*) Used on Model A6328-A1 only.

(2*) Used on Model A6328-A2 only.

SECTION III—NUMERICAL PARTS LIST

Models A632S-B1 and A632S-B5

PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QUANTITY	PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QUANTITY	PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QUANTITY
104918	25	78	6510028	25	1	6510239	26	1
6500002	25	1	6510029	25	1	6510241	26	1
6500006	25	1	6510031	28	1	6510243	26	1
6500007	25	3	6510034	28	1	6510244	26	2
6500008	25	3	6510035	28	1	6510247	29	1
6500009	25	3	6510036	26	2	6510256 (1*)	27	1
6500010	25	3	6510042	27	1	6510258	27	1
6500011	25	1	6510044	27	1	6510259	27	1
6500014	27	1	6510051	26-27	4	6510261	27	1
6500028	28	3	6510063	25	3	6510262	27	1
6500029	28	3	6510064	25	12	6510263	27	1
6500035	27	1	6510071	28	1	6510264	29	1
6500037	29	3	6510073	25	6	6510265	25	1
6500061 (1*)	27	1	6510076	25	6	6510268	29	1
6500078	25	3	6510077-6	26	4	6510269	29	3
6500081	27	1	6510077-9			6510270	26	12
6500086	25	1	6510077-12			6510271	29	3
6500087	26	1	6510086	29	1	6510272	28	1
6500095	25	1	6510088	29	3	6510275	25	1
6500098	25	3	6510089	28	3	6510282	28	1
6500105	27	1	6510090	28	3	6510283	28	1
6500107	26	1	6510091	28	6	6510284	28	1
6500109	28	1	6510092	28	3	6510285	28	1
6500110	28	1	6510093	29	3	6510300	28	20
6500111	26	1	6510094	28	3	6510304	28	*
6500112	26	1	6510095	28	3	6510305	28	*
6500114	26	1	6510096	28	12	6510309	26	1
6500124	28	1	6510117	29	1	6510324	28	3
6500125 (2*)	27	1	6510119	29	1	6510325	26	1
6500127	25	1	6510120	29	15	6510326	29	18
6500157	27	1	6510123	27	1	6510330 (2*)	27	1
6500164	29	1	6510124	29	9	6510331	26	1
6500167	29	3	6510157	27	2	6510347	28	2
6500186 (2*)	25	1	6510159	27	1	6510418	29	1
6500193	26	1	6510161	26	3	6510428	28	3
6510001	25	3	6510162	29	3	6510440	27	1
6510002	25	3	6510163	29	3	6510447	28	1
6510003	25	3	6510167	28	3	6510448	28	1
6510004	25	3	6510188	26	1	6510449	28	1
6510005	25	3	6510190	27	1	6510451	27	4
6510007	25	15	6510203	26	3	6510452	28	1
6510008	25	3	6510207	25	3	6510453	27-28	6
6510011	25	3	6510209	27	1	6510477	28	*
6510014	25	3	6510226	27	2	6510478	28	*
6510015	25	3	6510227	28	3	6510479	28	*
6510017	25	3	6510229	26	1	6510480	28	*
6510018	25	6	6510232	26	1	6510481	27	3
6510019	25	3	6510233	26	1	6510483	29	1
6510022	25	6						

* These are selective length bolts; maximum quantity required, 3.
(1*) Used on Model A632S-B1 only.
(2*) Used on Model A632S-B5 only.

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SECTION III—NUMERICAL PARTS LIST

Model A632S-C1

PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QUANTITY	PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QUANTITY	PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QUANTITY
104918	30	78	6510019	30	3	6510259	32	1
6500002	30	1	6510022	30	6	6510261	32	1
6500007	30	3	6510028	30	1	6510262	32	1
6500008	30	3	6510029	30	1	6510263	32	1
6500009	30	3	6510031	33	1	6510264	34	1
6500010	30	3	6510034	33	1	6510265	30	1
6500011	30	1	6510035	33	1	6510268	34	1
6500029	33	3	6510036	31	2	6510269	34	3
6500035	32	1	6510042	32	1	6510271	34	3
6500045	32	1	6510044	32	1	6510272	33	1
6500051	31	1	6510051	30-31	3	6510275	30	1
6500064	30	1	6510058	32	1	6510283	32	1
6500078	30	3	6510064	30	12	6510284	32	1
6500096	33	3	6510073	30	6	6510285	32	1
6500098	30	3	6510076	30	6	6510300	33	20
6500101	30	1	6510086	34	1	6510304	33	*
6500105	31	1	6510089	33	3	6510305	33	*
6500106	30	1	6510090	33	3	6510309	32	1
6500108	32	1	6510091	33	6	6510316	30	1
6500109	33	1	6510092	33	3	6510324	32	3
6500110	33	1	6510093	33	3	6510325	32	1
6500111	31	1	6510094	33	3	6510326	34	18
6500112	31	1	6510095	33	3	6510331	31	1
6500114	31	1	6510096	33	12	6510347	33	2
6500124	33	1	6510120	33	15	6510352	30	2
6500157	32	1	6510123	31	1	6510365	31	1
6500166	34	1	6510157	31	2	6510385	33	1
6500167	34	1	6510159	32	1	6510403	31	1
6500169	30	1	6510167	32	3	6510404	34	1
6500170	32	1	6510174	33	22	6510409	34	3
6500171	30	1	6510179	31	1	6510410	34	3
6500173	32	1	6510190	32	1	6510418	34	1
6500176	34	1	6510203	32	3	6510421	30	3
6500193	31	1	6510207	30	3	6510425	31	1
6500194	34	1	6510209	32	1	6510428	32	3
6500195	34	1	6510211	32	1	6510435	32	1
6500205	34	3	6510226	32	2	6510440	32	1
6500208	34	1	6510227	32	3	6510442	33	1
6500307	31	1	6510229	31	1	6510447	33	1
6510000	30	1	6510232	31	1	6510448	33	1
6510003	30	3	6510233	31	1	6510449	32	1
6510004	30	3	6510241	31	1	6510451	32	4
6510005	30	3	6510243	31	1	6510452	33	1
6510007	30	15	6510244	31	2	6510453	32	6
6510008	30	3	6510245-6			6510477	33	*
6510011	30	3	6510245-9	31	2	6510478	33	*
6510014	30	3	6510245-12			6510479	33	*
6510015	30	3	6510247	34	1	6510480	33	*
6510017	30	3	6510258	32	1	6510481	32	3
6510018	30	6				6510524	34	1

* These are selective length bolts; maximum quantity required, 3.

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SECTION III—NUMERICAL PARTS LIST

Models A632S-C4 and A632S-C7

PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QUANTITY	PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QUANTITY	PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QUANTITY
104918	35	78	6510014	35	3	6510326	39	18
6500002	35	1	6510015	35	3	6510335	36	1
6500007	35	3	6510017	35	3	6510337	36	1
6500008	35	3	6510018	35	6	6510339	39	1
6500009	35	3	6510019	35	3	6510347	38	2
6500010	35	3	6510022	35	6	6510349	36	2
6500011	35	3	6510028	35	1	6510350	36	1
6500029	38	3	6510029	35	1	6510351	36	4
6500045	37	1	6510031	38	1	6510352	35	2
6500048	37	1	6510034	38	1	6510355	37	1
6500064	35	1	6510035	38	1	6510357	36	1
6500078	35	3	6510036	36	1	6510358	37	4
6500096 (1*)	38	3	6510051	36	1	6510360	37	1
6500098	35	3	6510058	37	1	6510361	37	1
6500106	35	1	6510064	35	12	6510364	36	1
6500109	38	1	6510073	35	6	6510367	36	1
6500110	38	1	6510076	35	6	6510372	37	1
6500124	38	1	6510089	38	3	6510374	36	1
6500131	35	1	6510090	38	3	6510375	37	1
6500132	35	1	6510091	38	6	6510376	36	1
6500140	36	1	6510092	38	3	6510377	36	1
6500142	36	1	6510093	38	3	6510378	36	1
6500143	37	1	6510094	38	3	6510379	36	1
6500150	36	1	6510095	38	3	6510382	36	1
6500157	37	1	6510096	38	12	6510385	38	1
6500166 (1*)	39	1	6510120	38	15	6510403	36	1
6500167 (1*)	39	3	6510167	37	3	6510404	39	1
6500173	37	1	6510174	38	22	6510409	39	3
6500176	39	1	6510190	37	1	6510410	39	3
6500185	36	1	6510203	37	3	6510415	36	1
6500190 (1*)	35	1	6510207	35	3	6510416	36	1
6500193	36	1	6510226	37	2	6510417	36	1
6500194	39	1	6510227	37	3	6510418	39	1
6500195	39	1	6510233	36	1	6510421	35	3
6500201	35	1	6510247	39	1	6510428	37	3
6500203	36	1	6510265	35	1	6510435	37	1
6500204	36	1	6510268	39	1	6510440	37	1
6500205	39	1	6510269	39	3	6510442	37	1
6500208	39	1	6510271	39	3	6510447	38	1
6500442 (2*)	38	3	6510272	38	1	6510448	38	1
6500446 (2*)	39	3	6510275	35	1	6510449	37	1
6500454 (2*)	35	1	6510283	37	1	6510451	36-37	5
6500456 (2*)	39	1	6510284	37	1	6510452	38	1
6510000	35	1	6510285	37	1	6510453	37	6
6510003	35	3	6510300	38	20	6510477	38	*
6510004	35	3	6510304	38	*	6510478	38	*
6510005	35	3	6510305	38	*	6510479	38	*
6510007	35	15	6510309	37	1	6510480	38	*
6510008	35	3	6510316	35	1	6510481	37	3
6510011	35	3	6510324	37	3	6510524	39	1
			6510325	37	1			

* These are selective length bolts; maximum quantity required, 3.
(1*) Used on Model A632S-C4 only.
(2*) Used on Model A632S-C7 only.

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SECTION III—NUMERICAL PARTS LIST
Models A642S-D1, A642S-D2 and A642S-D3

PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QUANTITY	PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QUANTITY	PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QUANTITY
104918	40	78	6510015	40	4	6510347	43	2
6500007	40	4	6510017	40	4	6510349	41	2
6500008	40	4	6510018	40	8	6510350	42	1
6500009	40	4	6510019	40	4	6510351	42	4
6500010	40	4	6510022	40	8	6510352	40	2
6500011	40	1	6510028	40	1	6510355	42	1
6500029	44	4	6510029	40	1	6510357	41	1
6500045	42	1	6510031	43	1	6510358	42	4
6500064	40	1	6510034	43	1	6510360	42	1
6500078	40	4	6510035	43	1	6510361	42	1
6500096 (1*)	43	4	6510036	41	1	6510364	41	1
6500098	40	4	6510051	41	1	6510367	41	1
6500106	40	1	6510064	40	16	6510372	42	1
6500109	43	1	6510089	44	4	6510374	41	1
6500110	43	1	6510090	44	4	6510375	42	1
6500124	43	1	6510091	44	8	6510376	41	1
6500140	41	1	6510092	44	4	6510377	41	1
6500142	41	1	6510093	44	4	6510379	41	1
6500147	40	1	6510094	43	4	6510382	41	1
6500149	42	1	6510095	43	4	6510385	43	1
6500154	42	1	6510096	41-43	17	6510397	41	1
6500157	42	1	6510120	44	16	6510398	43	1
6500160	40	1	6510167	42	3	6510399	40	8
6500162	40	1	6510174	44	22	6510400	40	1
6500167 (4*)	44	4	6510190	42	1	6510403	41	1
6500173	42	1	6510203	42	3	6510404	44	1
6500179 (4*)	44	1	6510207	40	4	6510409	44	4
6500180 (4*)	44	1	6510226	42	2	6510410	44	4
6500183 (1*)	40	1	6510227	42	3	6510415	41	1
6500185	41	1	6510233	41	1	6510416	41	1
6500193	41	1	6510247	44	1	6510417	41	1
6500194	44	1	6510265	40	1	6510418	44	1
6500199	44	1	6510268	44	1	6510428	42	3
6500202	40	1	6510269	44	4	6510435	42	1
6500203	41	1	6510271	44	4	6510440	42	1
6500204	41	1	6510272	43	1	6510447	43	1
6500207	44	4	6510275	40	1	6510448	43	1
6500315 (2*)	40	1	6510283	42	1	6510449	42	1
6500317 (2*)	43	4	6510284	42	1	6510451	41-42	5
6500442 (3*)	43	4	6510285	42	1	6510452	43	1
6500446 (3*)	44	4	6510300	43	20	6510453	42	6
6500450	41	1	6510304	43	*	6510477	43	*
6500451 (3*)	40	1	6510305	43	*	6510478	43	*
6500453 (3*)	44	1	6510309	42	1	6510479	43	*
6510003	40	4	6510316	40	1	6510480	43	*
6510004	40	4	6510324	42	3	6510481	42	3
6510005	40	4	6510325	42	1	6510524	44	1
6510007	40	20	6510326	44	20	6510537	41	1
6510008	40	4	6510337	41	1	6510538	41	1
6510011	40	4	6510339	44	1	6510800	41	1
6510014	40	4				6510801	41	1

* These are selective length bolts; maximum quantity required, 3.

(1*) Used on Model A642S-D1 only.

(2*) Used on Model A642S-D2 only.

(3*) Used on Model A642S-D3 only.

(4*) Used on Model A642S-D1 and A642S-D2.

DATE	DESCRIPTION	AMOUNT
1947		
1948		
1949		
1950		
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SECTION IV—STANDARD PARTS LIST
Models A632S-A1-A2-B1-B5-C1-C4-C7

PART NUMBER	NOMENCLATURE	TOTAL QUANTITY	ATTACHING QUANTITY	PART NUMBER	NOMENCLATURE	TOTAL QUANTITY	ATTACHING QUANTITY
A632S-A1 and A2				A632S-C1			
AN74-4	Bolt	9		AN74-4	Bolt	9	
AN74-5	Bolt	12		AN74-5	Bolt	12	
AN74-12	Bolt	6		AN74-12	Bolt	4	
AN286-1	Lubricator	3		AN74-14	Bolt	6	
AN355-3	Nut	2		AN75-4	Bolt	1	
AN355-4	Nut	4		AN286-1	Lubricator	3	
365-720	Nut	4		AN315-5R	Nut	3	
AN380C2-2	Cotter Pin	4		AN355-4	Nut	2	
AN380C2-4	Cotter Pin	1		AN380C2-2	Cotter Pin	4	
AN502-8-6	Screw	21		AN380-2-5	Cotter Pin	1	
AN502-8-12	Screw	3		AN502-8-6	Screw	2	
AN502-10-4	Screw	9		AN502-8-8	Screw	22	
503-10-8	Screw	2		AN502-10-16	Screw	4	
503-10-12	Screw	9		503-8-4	Screw	3	
503-10-16	Screw	24		503-10-8	Screw	19	
503-416-30	Screw	2		503-10-12	Screw	9	
AN510-8-7	Screw	6		503-10-14	Screw	24	
AN816-3	Connector	3		AN510-10-14	Screw	4	
AN960-10	Washer	9		AN816-3	Connector	3	
AN960-416	Washer	27		AN935-516	Washer	3	
AN5007-60	Cone-Front	1		AN960-10	Washer	39	
AN5008-60	Cone-Rear	1		AN960-416	Washer	27	
AN5009-60	Snap Ring	1		AN960-516	Washer	1	
				AN5007-60	Cone-Front	1	
				AN5008-60	Cone-Rear	1	
				AN5009-60	Snap Ring	1	
				AN6230-11	Seal Ring	3	
A632S-B1 and B5				A632S-C4 and C7			
AN74-4	Bolt	9		AN74-4	Bolt	9	
AN74-5	Bolt	12		AN74-5	Bolt	12	
AN74-14	Bolt	6		AN74-7	Screw	2	
AN286-1	Lubricator	3		AN74-12	Bolt	4	
AN315-5R	Nut	3		AN74-14	Bolt	6	
AN355-4	Nut	4		AN75A-4	Bolt	1	
AN380C2-2	Cotter Pin	4		AN286-1	Lubricator	3	
AN502-8-6	Screw	21		AN315-5R	Nut	3	
AN502-8-12	Screw	3		AN380-2-2	Cotter Pin	1	
503-8-4	Screw	3		AN380C2-2	Cotter Pin	3	
503-8-6	Screw	17		AN380-2-5	Cotter Pin	1	
503-10-8	Screw	2		AN502-8-8	Screw	22	
503-10-12	Screw	9		AN502-10-16	Screw	6	
503-10-16	Screw	24		503-8-4	Screw	3	
503-416-30	Screw	2		503-10-8	Screw	17	
AN816-3	Connector	3		503-10-14	Screw	24	
AN935-516	Washer	3		AN510-10-14	Screw	4	
AN960-10	Washer	9		AN816-3	Connector	3	
AN960-416	Washer	27		AN935-516	Washer	3	
AN5007-60	Cone-Front	1		AN960-10	Washer	30	
AN5008-60	Cone-Rear	1		AN960-416	Washer	27	
AN5009-60	Snap Ring	1		AN960-516	Washer	1	
				AN5007-60	Cone-Front	1	
				AN5008-60	Cone-Rear	1	
				AN5009-60	Snap Ring	1	
				AN6227-6	Seal	2	
				AN6230-1	Seal	1	
				AN6230-11	Seal Ring	3	

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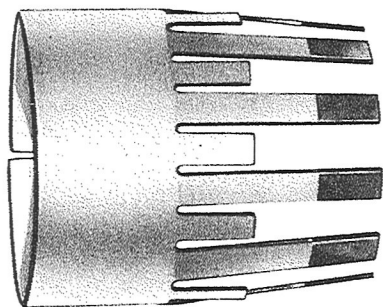
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SECTION IV—STANDARD PARTS LIST
Models A642S-D1, A642S-D2, A642S-D3

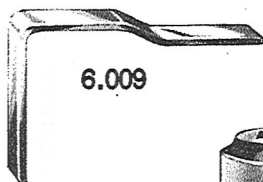
PART NUMBER	NOMENCLATURE	TOTAL QUANTITY	ATTACHING QUANTITY	PART NUMBER	NOMENCLATURE	TOTAL QUANTITY	ATTACHING QUANTITY
A642S-D1, D2 and D3							
AN74-4	Bolt	9					
AN74-5	Bolt	12					
AN74-7	Screw	2					
AN74-12	Bolt	4					
AN74-13	Bolt	24					
AN74-14	Bolt	6					
AN75A-4	Bolt	1					
AN286-1	Lubricator	4					
AN315-5R	Nut	4					
AN365-428	Nut	24					
AN380-2-2	Cotter Pin	1					
AN380G2-2	Cotter Pin	4					
AN380-2-5	Cotter Pin	1					
AN502-8-8	Screw	22					
AN502-10-16	Screw	6					
503-8-4	Screw	3					
503-10-8	Screw	19					
AN510-10-14	Screw	4					
AN823-3	Connector	4					
AN935-516	Washer	4					
AN960-10	Washer	6					
AN960-416	Washer	75					
AN960-516	Washer	1					
AN5007-60	Cone-Front	1					
AN5008-60	Cone-Rear	1					
AN5009-60	Snap Ring	1					
AN6227-6	Seal	2					
AN6230-1	Seal	1					
AN6230-11	Seal Ring	4					

TOOL SET—6.002

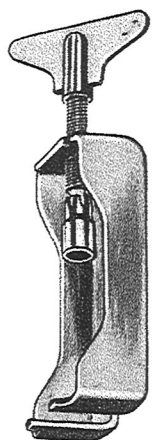
FIELD MAINTENANCE SET—6.001



6.007



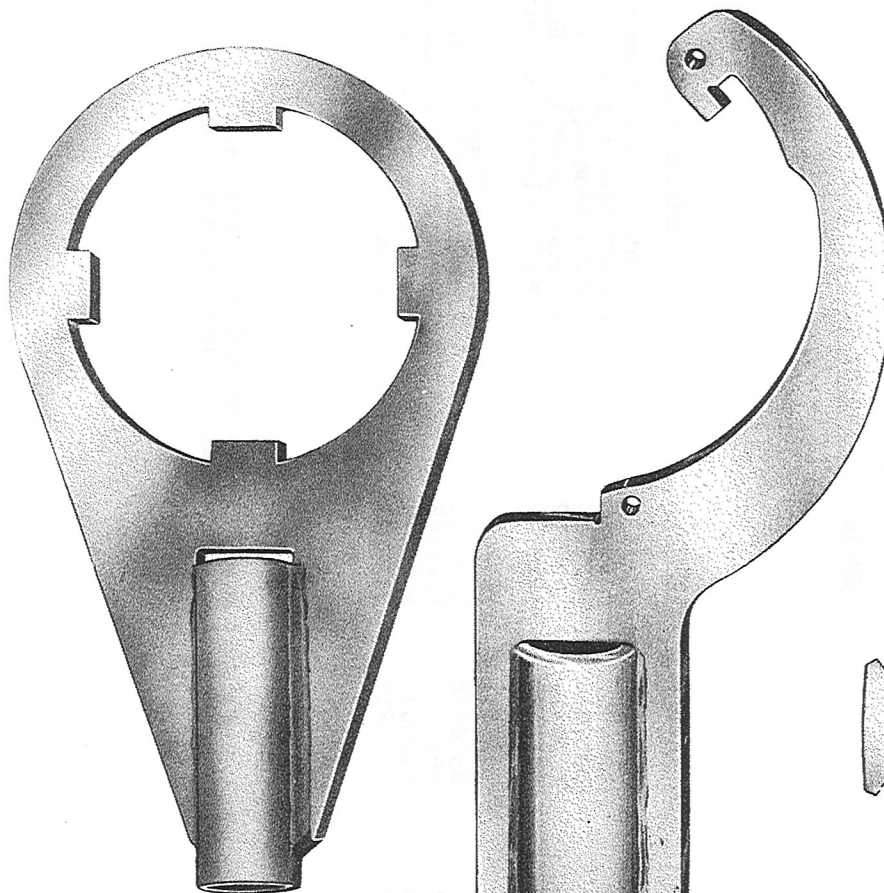
6.009



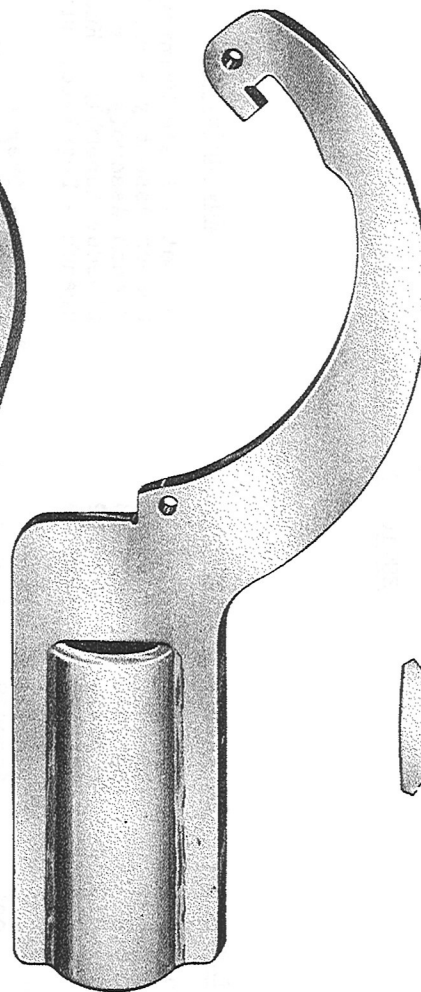
6.008



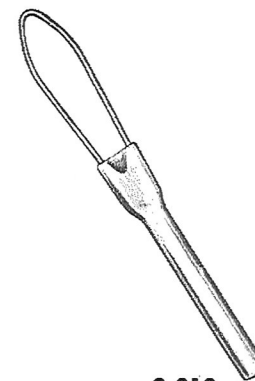
6.006



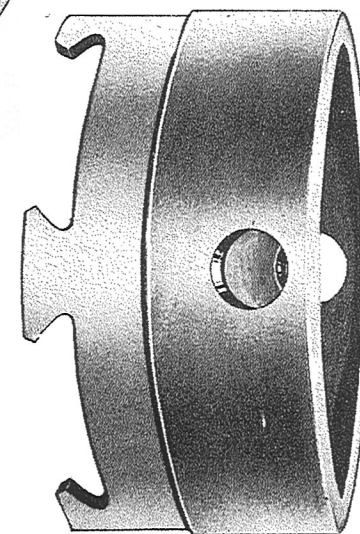
6.003



6.005



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SECTION V -

Figure 1—Special Tools

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SECTION V - SERVICE TOOLS

<u>Index No.</u>	<u>Part No.</u>	<u>Drawing No.</u>	<u>Nomenclature</u>
6.001	6500123		* Tool Set - Field Maintenance
6.005	6500069	42D7387	Wrench Assembly - Blade retaining nut
6.003	6500070	42D7388	Wrench Assembly - Propeller shaft
6.010	6500075	42A7392	Bleeder Assembly - Hub socket
6.004	6510105	42D7386	Wrench - Regulator nut
6.002	6500119		* Tool Set - Overhaul
6.006	6500068	42D7390	Wrench Assembly - Fixed spline bolt
6.007	6510197	42B7398	Sleeve - Piston ring assembling
6.008	6500093	42D7389	Clamp Assembly - Governor spring
6.009	6510212	42A7391	Indicator Tool

* For a complete overhaul tool set, all of the tools listed in these sets should be supplied.

