

★  
AN 01-60FFA-4

PARTS CATALOG

USAF SERIES

**T-6G AND LT-6G**

AIRCRAFT

**REVISION**  
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THE SAME PAGES OF PREVIOUS DATE**

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## SECTION I

### INTRODUCTION

This Parts Catalog is Applicable to the USAF Model T-60 and LT-60 Airplanes, manufactured by North American Aviation, Inc.

The Catalog is divided into four sections:

Section I	Introduction
Section II	Group Assembly Parts List
Section III	Numerical Parts List
Section IV	Special Service Tools List

**NOTE:** In order to expedite the delivery of Spare Parts, the Airplane model, Serial Number, Part Number and Title should be supplied when requesting parts. The exact position, function and other pertinent data contributing to the adequate definition of parts, if supplied with the requisition, may well avoid costly delay in procurement.

#### CODING EXPLANATION

Usage Codes have been employed throughout the

catalog to indicate the limited use of certain parts. These Usage Codes, when decoded by use of this Master Coding Page, indicate the USAF Serial Numbers of the Airplanes on which these parts are used.

For example, the Usage Code (A1-A15) after a part would indicate that this part is used beginning with the airplane coded (A1) (T-60, 49-2897) to and including the airplane coded (A15) (T-60, 49-2911).

The code (A20-) would indicate that the part is used beginning with the airplane coded (A20) (T-60, 49-2916), and on all subsequent T-60 airplanes. Note that on this type of code the hyphen "-" is used to mean "and subsequent."

The code (A20) without the hyphen "-", would indicate that the part is used on the airplane coded (A20) only (T-60, 49-2916).

Parts coded (ALL) are used on all T-60 and LT-60 airplanes.

USAGE CODE	NAA MODEL	NAA SEQUENCE NUMBERS	USAF MODEL	USAF SERIAL NUMBERS	USAGE CODE	NAA MODEL	NAA SEQUENCE NUMBERS	USAF MODEL	USAF SERIAL NUMBERS
A	NA-168	1-691	T-60	49-2897 thru 49-3537	D85	NA-168	385	T-60	49-3281
	NA-188	751-850	T-60	50-1277 thru 50-1326	D86	NA-168	386	T-60	49-3282
	NA-188	851-857	T-60	51-15138 thru 51-15237	E80	NA-168	440	T-60	49-3336
				51-16071 thru 51-16077	E81	NA-168	441	T-60	50-1277
A1	NA-168	1	T-60	49-2897	E50	NA-168	450	T-60	50-1386
A15	NA-168	15	T-60	49-2911	E51	NA-158	451	T-60	49-3337
A16	NA-168	16	T-60	49-2912	F	NA-168	500	T-60	49-3386
A19	NA-168	19	T-60	49-2915	F1	NA-168	501	T-60	50-1287
A20	NA-168	20	T-60	49-2916	F5	NA-168	505	T-60	50-1291
A50	NA-168	50	T-60	49-2946	F6	NA-168	506	T-60	50-1292
A51	NA-168	51	T-60	49-2947	F10	NA-168	510	T-60	50-1296
A85	NA-168	85	T-60	49-2981	F11	NA-168	511	T-60	49-3387
A86	NA-168	86	T-60	49-2982	F60	NA-168	560	T-60	49-3436
B1	NA-168	101	T-60	49-2997	F61	NA-168	561	T-60	50-1297
B2	NA-168	102	T-60	49-2998	F70	NA-168	570	T-60	50-1306
B20	NA-168	120	T-60	49-3016	F71	NA-168	571	T-60	49-3437
B21	NA-168	121	T-60	49-3017	F79	NA-168	579	T-60	49-3445
B55	NA-168	155	T-60	49-3051	F80	NA-168	580	T-60	49-3446
B56	NA-168	156	T-60	49-3052	Q19	NA-168	619	T-60	49-3485
C46	NA-168	246	T-60	49-3142	G20	NA-168	620	T-60	49-3486
C47	NA-168	247	T-60	49-3143	Q21	NA-168	621	T-60	50-1307
C60	NA-168	260	T-60	49-3156	Q30	NA-168	630	T-60	50-1316
C61	NA-168	261	T-60	49-3157	G31	NA-168	631	T-60	49-3487
D30	NA-168	330	T-60	49-3226	O80	NA-168	680	T-60	49-3536
D31	NA-168	331	T-60	49-3227	G81	NA-168	681	T-60	49-3268
E71	NA-168	371	T-60	49-3267	Q90	NA-168	690	T-60	49-3277
E72	NA-168	372	T-60	50-1317	Q91	NA-168	691	T-60	49-3537
E81	NA-168	381	T-60	50-1326	H51	NA-188	751	T-60	51-15138
E82	NA-168	382	T-60	49-3278	J57	NA-188	857	T-60	51-16077

Section I  
Introduction

T. O. 1T-60-4

USAGE CODE	NAA MODEL	NAA SEQUENCE NUMBERS	USAF MODEL	USAF SERIAL NUMBERS	USAGE CODE	NAA MODEL	NAA SEQUENCE NUMBERS	USAF MODEL	USAF SERIAL NUMBERS
K	NA-182	1-824	T-60	51-14314 thru 51-15137	Y	NA-168	225	T-60	49-3121
K1	NA-182	1	T-60	51-14314			228	CHANGED	49-3124
K87	NA-182	87	T-60	51-14400			238	TO	49-3134
K88	NA-182	88	T-60	51-14401			253	LT-60	49-3149
L31	NA-182	131	T-60	51-14444			267	CCNFID- URATION	49-3163
L32	NA-182	132	T-60	51-14445			280		49-3176
L94	NA-182	194	T-60	51-14507			286		49-3182
L95	NA-182	195	T-60	51-14508			275		49-3171
T24	NA-182	824	T-60	51-15137			339		49-3235
U	NA-195	1-11	T-60	51-17354 thru 51-17364			365		49-3261
	NA-197	1-50	T-60	52-8197 thru 52-8246		NA-182	375		50-1320
	NA-197	PO8002-1-	T-60	53-4555 thru 53-4614			381		50-1326
		PO8002-60					562		50-1278
V	NA-195	1-11	T-60	51-17354 thru 51-17364			66		51-14379
W	NA-197	1-50	T-60	52-8197 thru 52-8246			104		51-14417
	NA-197	PO8002-1-	T-60	53-4555 thru 53-4614			120		51-14433
		PO8002-60					626		51-14939
							627		51-14940
							630		51-14943
							637		51-14950
							668		51-14981
							686		51-14979
							718		51-15031
							724		51-15037
							779		51-15032
						NA-188	99		51-15236
							103		51-16073
							104		51-16074
						NA-195	1		51-17354
							2		51-17355
							4		51-17357
							6		51-17359
							11		51-17364
						NA-197	27		52-8223
						NA-197	PO8002-22		53-4576
							PO8002-32		53-4586
							PO8002-33		53-4587
							PO8002-43		53-4597
							PO8002-45		53-4599
					2	NA-168	692-750	LT-60	49-3538 thru 49-3596

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## HOW TO FIND A PART—when the Part Number is not known

[illegible]

3. Refer to the page number indicated and find desired position all illustrations.

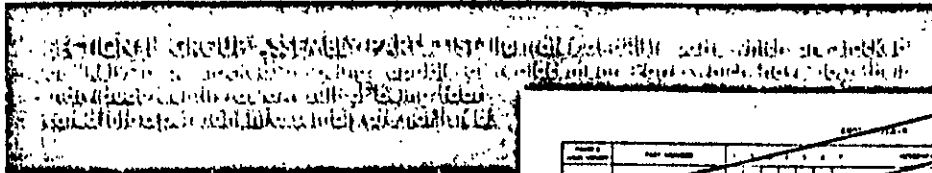
4. Note the Figure Number of the illustration and the Table Number of the journal refer to the corresponding figure and a number of the Assembly Catalogue on the Number Volume of the set.

**3** Illustration of pair is destroyed if either some figure enters the company or if the company is destroyed.

**2. Turn to Flour and**  
**add 1/2 cup. Knead until**  
**elastic. Roll out**  
**and cut into 12 squares.**

**—when the  
Part Number  
is known**

**1** Find the Part Number in the Numerical  
List and List Code. Use the page and index  
numbers where the part number is located in  
the group assembly package.



1 FIGURE NUMBER of corresponding illustration.

2 INDEX NUMBER of part on illustration.

3 PART NUMBER—for explanation of North American Aviation drawing numbering system, see drawing breakdown chart in introduction section.

4 NP indicates Non-Procureable.

5 When LEFT AND RIGHT-HAND PARTS are listed together under one index number, the left-hand parts are shown on the illustrations.

6 ATTACHING PARTS are listed immediately after the item being attached and preceding any components of the item.

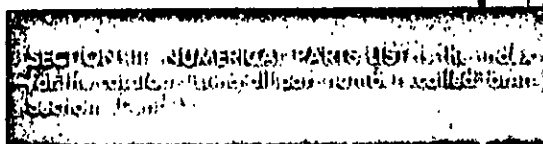
7 VENDORS' CODE shown after title—for complete firm name and address, see alphabetical list of Vendors.

8 (GFP) indicates Government-furnished property. No detail breakdown is listed for these parts.

9 USAGE CODES—shown here—for explanation see introduction page.

10 INDENTURE of titles indicate the relationship of parts to the next assembly. For example, the items shown here in column 3 are the component parts of 117-54217 and 117-54217-1 Gun Assembly.

11 AR indicates "As Required."



12 COMMERCIAL PARTS and parts for which no part number is available are listed at the beginning of the Numerical Parts List in alphabetical order.

13 FIGURE AND INDEX NUMBER where parts are illustrated and listed.

14 For STANDARD PARTS, including the Contractor's standards, only one figure and index number is listed.

15 The TOTAL QUANTITY COLUMN summarizes the callouts in Section II and is not necessarily total quantity per airplane.

16 The NUMERICAL ARRANGEMENT is in accordance with the system specified in Technical Order 00-15A-6.

17 NHA—Means to use the next Higher assembly number given.

Section II - Gun Assembly Parts List									
FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	QUANTITY	REMARKS	FIGURE AND INDEX NUMBER	PART NUMBER	DESCRIPTION	QUANTITY	REMARKS
30	117-54217	Gun Assembly	1						
	117-54217-1	Bracket - Main landing gear door switch LH	1						
	117-54217-1	Bracket - Main landing gear door switch RH	1						
	117-54217-1	Bracket - Main landing gear door switch LH	1						
	117-54217-1	Bracket - Main landing gear door switch RH	1						
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	117-54217-1	Bracket - Main landing gear door switch RH	1						
	117-54217-1	Bracket - Main landing gear door switch LH	1						
	117-54217-1	Bracket - Main landing gear door switch RH	1						
	117-54217-1	Bracket - Main landing gear door switch LH	1						
	117-54217-1	Bracket - Main landing gear door switch RH	1						
	117-54217-1	Bracket - Main landing gear door switch LH	1						
	117-54217-1	Bracket - Main landing gear door switch RH	1						
	117-54217-1	Bracket - Main landing gear door switch LH	1						
	117-54217-1	Bracket - Main landing gear door switch RH	1						
	117-54217-1	Bracket - Main landing gear door switch LH	1						
	117-54217-1	Bracket - Main landing gear door switch RH	1						
	117-54217-1	Bracket - Main landing gear door switch LH	1						
	117-54217-1	Bracket - Main landing gear door switch RH	1						
	117-54217-1	Bracket - Main landing gear door switch LH	1						
	117-54217-1	Bracket - Main landing gear door switch RH	1						
	117-54217-1	Bracket - Main landing gear door switch LH	1						
	117-54217-1	Bracket - Main landing gear door switch RH	1						
	117-54217-1	Bracket - Main landing gear door switch LH	1						
	117-54217-1	Bracket - Main landing gear door switch RH	1						
	117-54217-1	Bracket - Main landing gear door switch LH	1						
	117-54217-1	Bracket - Main landing gear door switch RH	1						
	117-54217-1	Bracket - Main landing gear door switch LH	1						
	117-54217-1	Bracket - Main landing gear door switch RH	1						
	117-54217-1	Bracket - Main landing gear door							



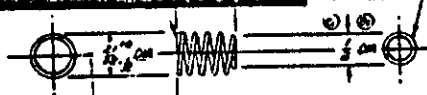
## N.A.A. DRAWING NUMBERING SYSTEM

Numbers are assigned to North American Aviation Drawings in accordance with the chart on the opposite page. The basic number (number after the dash) assigned a drawing is determined by the function it performs. For example, Electrical Drawings are assigned numbers in the 54000 series, Hydraulics Drawings in the 58000 series, etc. The identity of a part is determined by the functional group for which it was designed, regardless of its location in the airplane or of its method of attachment. The number before the dash is the North American Aviation Model Designation for the airplane for which the part was originally designed. However, a part originally designed for one model may be used on any other model and if the part remains the same the drawing number also remains the same.

N.A.A. Standard Part numbers consist of a number, alphabetical letter and an other number. The alphabetical letter in this Part Number arrangement is taken from the first letter of the descriptive noun identifying the part. In some cases the basic number is the part number while in others, dash number coding is added to completely define the size, material, etc. For example, 4B12-2, 5B7, 6C8, 2N1, 2P3-3, 6R1-2, 7S4-10-10, etc.

## N.A.A. DRAWING PREFIX CHART

<u>PREFIX</u>	<u>MODEL</u>
121	T-6D
130	XB-44
147	B-45A
15	XO-47
151	F-86A
153	B-45C
159	T-28A
160	AJ-1
165	P-84D
168	T-60
19	BT-7
17A	BT-7A
21	HA-21
23	BT-7B
25	O-47A
26	BC-1
34	NA-34
36	BC-1
44	NA-44
49	NA-49
52	SNJ-1
54	FC-7
55	BC-1A
58	BT-14
59	T-6
65	NA-65
66	NA-66
68	NA-68
69	NA-69
72	NA-72
74	NA-74
77	T-6A
78	T-6A
82	B-25C
83	NA-83
84	T-6B
88	T-6C
97	A-46A
99	F-51A



BACK LINE

059 WIRE DIA  
2 ACTIVE COILS  $\frac{1}{2}$  DIA  
1 INACTIVE COIL LARGE END 1 INACTIVE COIL SMALL END  
3 TOTAL COILS  
(4) LOAD 11 SLAS 2 LG WHEN  
CONDENSED TO 1/2 LENGTH  
HEAT SINKING AT 525°F FOR  
10 MINUTES AFTER FORMING

① USED ON P 910 (NA-109 #1-1400)  
APR 28 192.53 TO APR 28 194.32 INCL  
#1278-711 24-1-1215 APR 28 711.35  
TO APR 28 713.58 INCL

10 AIR-64-11326 INCL  
PHOTOS MARKED THUS USED ON A-51B  
AIRPLANE SERIAL NO. 1009-12103  
SUBSEQUENT.

2. USED ON N SID (NA-M) 01601 & 51151  
AAFG 11933 & 51151 AND (NA-M)  
01601 & 51151 AAFG 11933 & 51151.

02-52785	1	W/54E W/54E	053
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[illegible]

Number required per airplane per next assembly

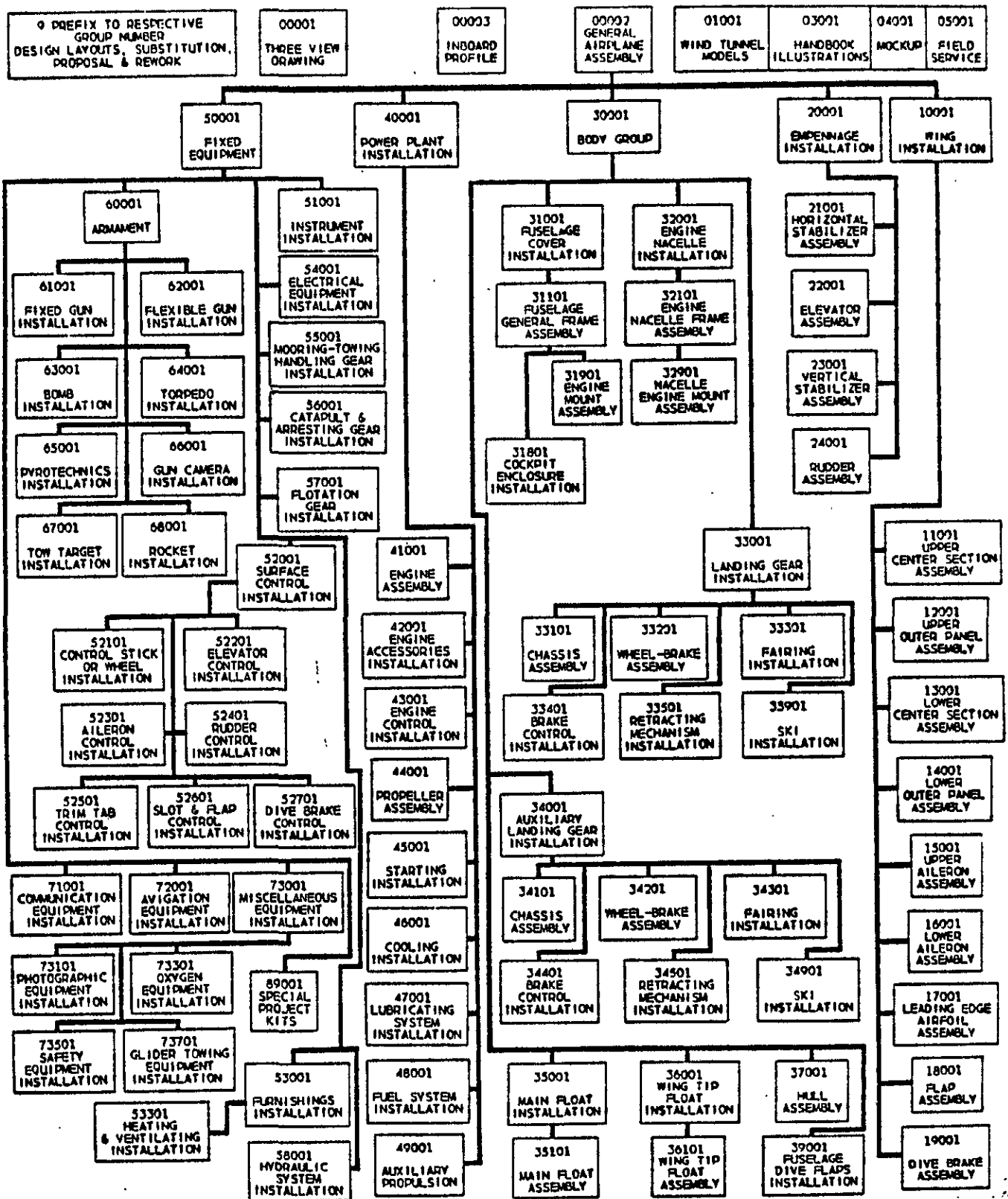
## #1 Next assembly in Japan

666 540 211 100 100  
 110 110 110 110 110

10297 All. glaberrima (L.) - var. glaberrima  
All. glaberrima (L.) - var. glaberrima

[illegible]

Model Column shows all models on which part is used.



DRAWING BREAKDOWN CHART

**Section 1**  
**Introduction**

**ALPHABETICAL LIST OF VENDORS**

**A**

AB . . . . Allen-Bradley Company  
118 W. Greenfield Avenue  
Milwaukee 4, Wisconsin  
ADE . . . . Advance Electric & Relay Co.  
W. 2nd & Bixel Streets  
Los Angeles 26, California  
AIR . . . . AirResearch Mfg. Co.  
9851 Sepulveda Blvd.  
Los Angeles, California  
AL . . . . Alemita (Stewart Warner Corp.)  
37 W. 65th Street  
New York 23, New York  
AMB . . . . American Brakeblock (Div  
American Brake Shoes Co)  
230 Park Ave.,  
New York 17, N.Y.  
AMP . . . . American Phenolic Corp.  
1858 S. 54th Avenue  
Chicago 50, Illinois  
AP . . . . Adel Precision Products Corp.  
10777 Van Cwen Avenue  
Burbank, California  
AS . . . . Aero Supply Mfg. Co., Inc.  
Main at Fifth  
Corry, Pennsylvania  
AW . . . . Adams & Westlake Co.  
Elkhart 1, Indiana  
American Seating Company  
Grand Rapids 2, Michigan

**B**

BC . . . . Breeze Corp., Ind.  
18-38 S. 6th Street  
Newark, New Jersey  
BTC . . . . Burton Mfg Co.  
2520 Colorado Avenue  
Santa Monica, California  
BX . . . . Bendix Aviation Corp.  
Fisher Building  
Detroit, Michigan

**C**

CAC . . . . Consolidated Vultee Aircraft Corp.  
San Diego, California  
CC . . . . Chrysler Corp.  
Dayton, Ohio  
CED . . . . Cannon Electric Development Co.  
3209 Humboldt Street  
Los Angeles 31, California  
CH . . . . Chandler-Evans Corp.  
West Hartford, Connecticut  
CN . . . . Centralab Division of  
Globe-Union Inc.  
932 E. Keefe Avenue  
Milwaukee 1, Wisconsin  
CUT . . . . Cutler-Hammer, Inc.  
315 N. 12th Street  
Milwaukee, Wisconsin  
Carma Manufacturing Co.  
Manhattan Beach, California  
Copperweld Steel Company  
1939 Kennedy Street  
Glassport, Pennsylvania  
Curtis Automotive Devices Inc.  
Dayton, Ohio

**D**

DJA . . . . DeJur-Amsco Corp.  
45-03 Northern Blvd.  
Long Island City, New York  
DZ . . . . DZUS Fastener Co., Inc.  
John Street  
Babylon, New York

**E**

ECP . . . . Eclipse Pioneer Div.  
(Bendix Aviation Corp.)  
43 Williams Avenue  
Teterboro, New Jersey  
EDI . . . . Thomas A. Edison Inc.  
West Orange, New Jersey  
EQ . . . . Elgin National Watch Co.  
Aircraft Instrument Dept.  
Elgin, Illinois  
ELA . . . . Electric Auto-Lite Co.  
Toledo 1, Ohio  
ES . . . . Edison Splitdorf Corp.  
West Orange, New Jersey

**F**

FAP . . . . Fafnir Bearing Co., The  
Victory Square  
New Britain, Connecticut  
FN . . . . Firestone Tire & Rubber Co.  
Los Angeles, California

**G**

GE . . . . General Electric Co.  
Schenectady, New York  
GD . . . . Goodrich B. F. Co., The  
448 South Main St.,  
Akron, Ohio  
GLS . . . . Glass Container Inc.  
3601 Santa Fe Avenue  
Los Angeles, California  
GMC . . . . Grimes Mfg. Co.  
515 N. Russell Street  
Urbana, Ohio  
GPC . . . . Gladden Products Div.  
(Kinner Motors)  
224 W. Colorado Blvd.  
Glendale 4, California  
GTR . . . . General Tire & Rubber Co.  
Akron 9, Ohio  
GY . . . . Goodyear Tire & Rubber Co., Inc.  
(Goodyear Aircraft Corp.)  
Akron, Ohio  
General Develop Corp.  
Elkton, Maryland

**H**

HA . . . . Hayes Industries, Inc.  
Wildwood Road  
Jackson, Michigan  
HET . . . . R. Hetherington & Son  
Elmwood & Clifton Avenue  
Sharon Hill, Pennsylvania  
HIE . . . . Hickok Electrical Instrument Co.  
Dupont & Williams Streets  
Cleveland, Ohio  
HS . . . . Hamilton Standard Propeller Div.  
East Hartford, Connecticut

AN 01-60FFA-4

## ALPHABETICAL LIST OF VENDORS (Cont)

## J

JH . . . . Jack & Heintz, Inc.  
17600 Broadway  
Cleveland, Ohio

## K

KO . . . . Kollsman Instrument Div. of  
Square D Company  
80-04 45th Avenue  
Elmhurst, New York

## L

LEN . . . . Lewis Engineering Company  
Austin Road  
Nauvatomuck, Connecticut  
LI . . . . Liquidometer Corp.  
Skillman Ave. & Hulst St.  
Long Island City, New York  
LR . . . . Leach Relay Co., Inc.  
5915 Avalon Blvd.  
Los Angeles, California  
LTF . . . . Littlefuse Inc.  
4757 Ravenswood Avenue  
Chicago 40, Illinois

## M

MAL . . . . P.R. Mallory & Co., Inc.  
1200 E. 24th Street  
Indianapolis 5, Indiana  
MARI . . . . Marco Industries Co.  
210 S. Clementine  
Anaheim, California  
MH . . . . Minneapolis-Honeywell Regulator Co.  
2709 Fourth Avenue South  
Minneapolis, Minnesota  
MM . . . . Manning Maxwell & Moore Inc.  
11 Elias Street  
Bridgeport 2, Connecticut  
MOI . . . . Moulded Insulation Co.  
335 E. Price Street  
Philadelphia 44, Pennsylvania

## N

NA . . . . North American Aviation, Inc.  
Municipal Airport  
Los Angeles 45, California  
National Radio Products  
Malden, Massachusetts

## O

OAK . . . . Oak Manufacturing Co.  
1260 N. Claybourn Ave.  
Chicago, Illinois  
ON . . . . Ohmite Manufacturing Co.,  
4835-55 W. Flournoy Street  
Chicago, Illinois

## P

PA . . . . Parker Appliance Company  
17325 Euclid Avenue  
Cleveland, Ohio  
PDI . . . . Pacific Division  
(Bendix Aviation Ltd.)  
North Hollywood, California  
PE . . . . Peasco Products Div. of  
Borg Warner Corp.  
13100 Taft Avenue  
Cleveland, Ohio  
PK . . . . Parker-Kalon Corp.  
208 Varick Street  
New York, New York  
Pacific Clay Products Company  
306 W. Avenue 26  
Los Angeles, California  
Pacific Coast Engineering  
Inglewood, California

## R

RHS . . . . Robert Heatherington & Sons  
Wilmington, Delaware

## S

SD . . . . Struthers-Dunn, Inc.  
1323 Arch  
Philadelphia, Pennsylvania  
SEAE . . . . Seaboard Electric Co.  
145 Hudson Street  
New York, New York  
SIE . . . . Simplot Electric Co.  
3600 Potomac Ave.,  
Chicago, Illinois  
SJC . . . . Schick-Johnson Company  
1737-45 N. Paulina Street  
Chicago, Illinois  
SPE . . . . Sperry Gyroscope Co., Inc.  
Great Neck, New York  
SPR . . . . Sprague Specialties Co.  
201 Beaver Street  
North Adams, Massachusetts  
SWTM . . . . Stewart, F. W. Mfg. Co.  
4311-13 Ravenswood Avenue  
Chicago, Illinois

## T

TEL . . . . Telephonics Corp.  
New York, New York  
TEM . . . . Ternstedt Mfg. Div. of  
General Motors Corp.  
6307 W. Fort  
Detroit, Michigan  
TI . . . . Timken Roller Bearing Co.  
Canton, Ohio  
TIB . . . . Tison Brothers  
2226 South Sepulveda  
Los Angeles 25, California  
TIN . . . . Tinnerman Products Inc.  
2079 Fulton Road  
Cleveland 13, Ohio  
TOR . . . . Torrington Company, The  
Torrington, Connecticut

## U

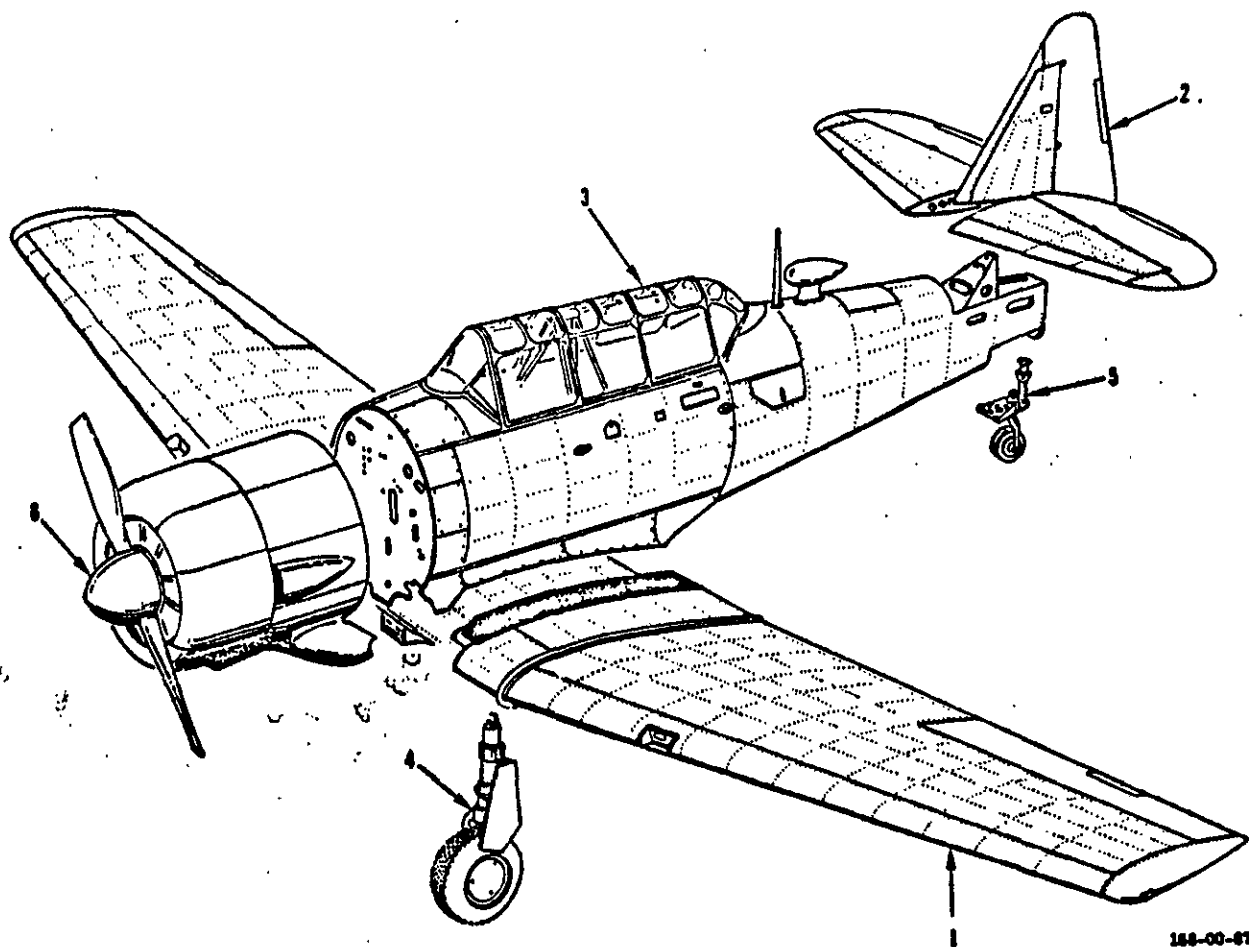
UA . . . . United Aircraft Products Inc.  
1116 Bolender Avenue  
Dayton 1, Ohio  
UCI . . . . Ucinite Company  
1 Nevada Street  
Newtonville, Mass.  
UG . . . . U. S. Gauge Company  
44 Beaver Street  
New York, New York  
UH . . . . Union Hardware Company  
Torrington, Connecticut  
USR . . . . U. S. Rubber Company  
1230 Sixth Avenue  
New York 20, New York

## W

WAE . . . . Wagner Electric Corp  
6410 Plymouth Ave.  
St. Louis 14, Missouri  
WAH . . . . Weston Hydraulics Co.  
10918 Burbank Blvd.  
North Hollywood, California  
WW . . . . Waltham Watch Co.  
Waltham, Massachusetts  
Walsco Products  
Beverly Hills, California  
Warren-McArthur Corp.  
One Park Avenue  
New York 16, New York  
Weatherford  
Co., R.V.  
Glendale, California

## Y

YGR . . . . Young Radiator Co.  
724 Marquette Street  
Racine, Wisconsin



168-00-071

FIGURE 1 - T-60 AIRPLANE GENERAL ARRANGEMENT

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	USABLE ON CODE
T-60 AIRPLANE GENERAL ARRANGEMENT											
1	168-00001	General Arrangement - T-60 Airplane . . . . .								NP	ALL
-1	121-10001	. Wing Installation (see fig. 2 for detail breakdown) . . . . .								NP	ALL
-2	77-20001	. Empennage Installation (see fig. 9 for detail breakdown) . . . . .								NP	ALL
-3	168-31001	. Fuselage Assembly - Complete modification (see figure 14 for . . . . .								1	ALL
		detail breakdown)									
-4	77-33001	. Landing Gear Instl - Main (see fig. 52 for detail breakdown) . . . . .								NP	ALL
-5	168-34031	. Alighting Gear Instl - Auxiliary modification (see figure . . . . .								NP	ALL
		57 for detail breakdown)									
	No Number	. Alighting Gear Emer downlock instl (see fig. 56A for detail . . . . .								NP	ALL
		breakdown)									
-6	168-40040	. Power Plant Instl - Mod (see figure 60 for detail breakdown) . . . . .								NP	ALL
	168-51001	. Instrument Equip Instl - Complete mod (see figure 20 for . . . . .								NP	ALL
		detail breakdown)									
	168-52031	. Surface Controls Instl - Mod (see fig. 24 for detail breakdown) . . . . .								NP	ALL
	168-53031	. Furnishings Instl - Mod (see figure 47 for detail breakdown) . . . . .								NP	ALL
	168-54001	. Electrical Equipment Installation (see figure 37 for detail . . . . .								NP	ALL
		breakdown)									
	168-58011	. Hydraulic Equip Instl (modification) (see figures 35 for . . . . .								NP	ALL
		detail breakdown)									
	168-71401	. Radio Equip Instl - Complete (see figure 44A for next assembly) . . . . .								NP	Z
	168-71001	. Radio Equip Instl - Fuselage complete (see figure 44 for . . . . .								NP	A
		detail breakdown)									
	182-71004	. Radio SCR522 Instl - Complete (see fig. 46B for detail . . . . .								NP	K
		breakdown)									
	182-71001	. Radio Equip Instl - Fuselage complete (see figure 44E for . . . . .								NP	K
		detail breakdown)									
	168-53075	. Data Instl - Loose equipment and general (see figure 72 for . . . . .								NP	A
		detail breakdown)									
	168-53175	. Data Instl - Loose equipment and general (see figure 72 for . . . . .								NP	Z
		detail breakdown)									
	182-53075	. Data Instl - Loose equipment and general (see figure 72 for . . . . .								NP	K1,K2
		detail breakdown)									
	197-53075	. Data Instl - Loose equipment and general (see figure 72 for . . . . .								NP	K3
		detail breakdown)									
	168-61001	. Gunsight Instl - Front cockpit (see figure 72E for detail . . . . .								NP	Z
		breakdown)									

## SECTION II

### GROUP ASSEMBLY PARTS LIST

FIGURE & PART NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									WING WING		
2	121-10001								Wing Installation (see figure 1 for next assembly)	NP	ALL
-1	55-18001								Flap Assy - Outer wing LH (see fig.5 for detail breakdown)	1	ALL
	55-18001-1								Flap Assy - Outer wing RH (see fig.5 for detail breakdown)	1	ALL
-2	66-18002								Flap Assy - WCS (see fig. 5 for detail breakdown)	1	ALL
									ATTACHING PARTS		
-3	AN320-4								Nut - Castle shear	11	ALL
-4	AN960-416L								Washer - Plain	11	ALL
-5	AN24-17								Bolt - Clevis 1/4-28	11	ALL
-6	AN320-4								Nut - Castle shear	2	ALL
-7	AN960-416L								Washer - Plain	2	ALL
-8	4S3-416-7								Spacer - Bolt (NA)	2	ALL
-9	AN24-24								Bolt - Clevis 1/4-28	2	ALL
-10	AN310-3								Nut - Castellated airframe	2	ALL
-11	AN960-10								Washer - Plain	2	ALL
-12	AN3-5								Bolt - Aircraft 10-32	2	ALL
-13	88-52575								Rod Assembly - Aileron trim tab control	2	ALL
-14	88-52576								End - Aileron trim tab control adjusting rod	1	ALL
-15	AN316-4R								Nut - Check	1	ALL
-16	88-52575-2								Weld Assy - Aileron trim tab control adjusting rod	1	ALL
-17	84-16001								Aileron Assy - Covered LH (see fig. 4 for detail breakdown)	1	ALL
	84-16001-1								Aileron Assy - Covered RH (see fig. 4 for detail breakdown)	1	ALL
									ATTACHING PARTS		
-18	AN320-4								Nut - Castle shear	2	ALL
-19	AN960-416								Washer - Plain	2	ALL
-20	AN24-17								Bolt - Clevis 1/4-28	2	ALL
-21	AN320-4								Nut - Castle shear	2	ALL
-22	AN24-17								Bolt - Clevis 1/4-28	2	ALL
-23	88-10023								Cover Assembly - Wing joint upper LH	1	ALL
	88-10023-1								Cover Assembly - Wing joint upper RH	1	ALL
-24	AN320-3								Nut - Castle shear	1	ALL
-25	AN23-20								Bolt - Clevis 10-32	1	ALL
-26	77-10032								Handle Assembly - Bolt angle cover rear lock	1	ALL
-27	88-10020								Cover Assembly - Wing joint lower LH	1	ALL
	88-10020-1								Cover Assembly - Wing joint lower RH	1	ALL
-28	168-14001-1								Wing Assy - Outer panel LH (mod) (superseded by and is interchangeable with 168-14701-1) (see figure 3)	1	A-
	168-14701-1								Wing Assy - Outer panel LH (supersedes and is interchangeable with 168-14001-1) (see figure 3)	1	ALL
	168-14001-101								Wing Assy - Outer panel LH (mod) (see figure 3)	1	Z
	168-14001-2								Wing Assy - Outer panel RH (superseded by and is interchangeable with 168-14701-2) (see figure 3)	1	A-
	168-14701-2								Wing Assy - Outer panel RH (supersedes and is interchangeable with 168-14001-2) (see figure 3)	1	ALL
	168-14001-102								Wing Assy - Outer panel RH (mod) (see fig. 3)	1	Z
									ATTACHING PARTS		
-29	AN365-428								Nut - Self locking 250°F	100	ALL
-30	AN960-416								Washer - Plain	106	ALL
-31	AN4-6A								Bolt - Aircraft 1/4-28	12	ALL
-32	AN4-7A								Bolt - Aircraft 1/4-28	42	ALL
-33	AN4-10A								Bolt - Aircraft 1/4-28	46	ALL
-34	AN365-524								Nut - Self locking 250°F	120	ALL
-35	AN960-516								Washer - Plain	106	ALL
	AN960-516L								Washer - Plain	60	ALL
-36	AN5-7A								Bolt - Aircraft 5/16-24	60	ALL
-37	AN5-10A								Bolt - Aircraft 5/16-24	10	ALL
-38	AN5-11A								Bolt - Aircraft 5/16-24	50	ALL
-39	AN365-1032								Nut - Self locking 250°F	4	ALL
-40	AN960-10								Washer - Plain	4	ALL
-41	AN3-5A								Bolt - Aircraft 10-32	4	ALL
-42	AN310-5								Nut - Castellated airframe	1	ALL
	AN960-516								Washer - Plain	1	ALL
-43	AN5-12								Bolt - Aircraft 5/16-24	1	ALL
-44	AN320-5								Nut - Castle shear	1	ALL
-45	52-52628								Bolt - Flap equalizer control rod clevis	1	ALL
-46	36-52625								Rod Assembly - Flap equalizer control	1	ALL
-47	AN365-1032								Nut - Self locking 250°F	2	ALL
-48	AN3-11A								Bolt - Aircraft 10-32	2	ALL
-49	36-52619								Clevis - Flap equalizer rod arm attaching	1	ALL

WING (Cont)

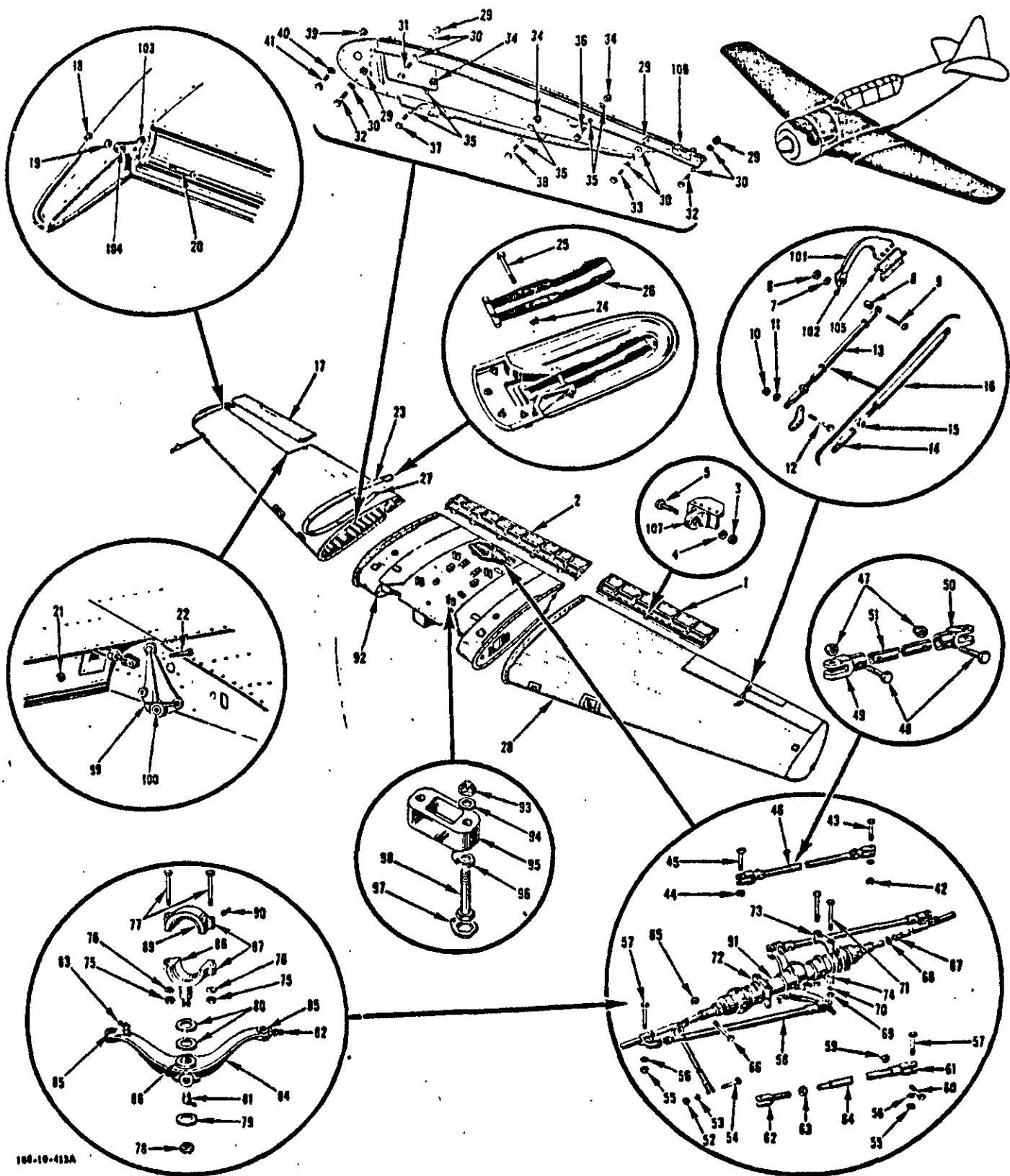


FIGURE 2 - WING (Cont)

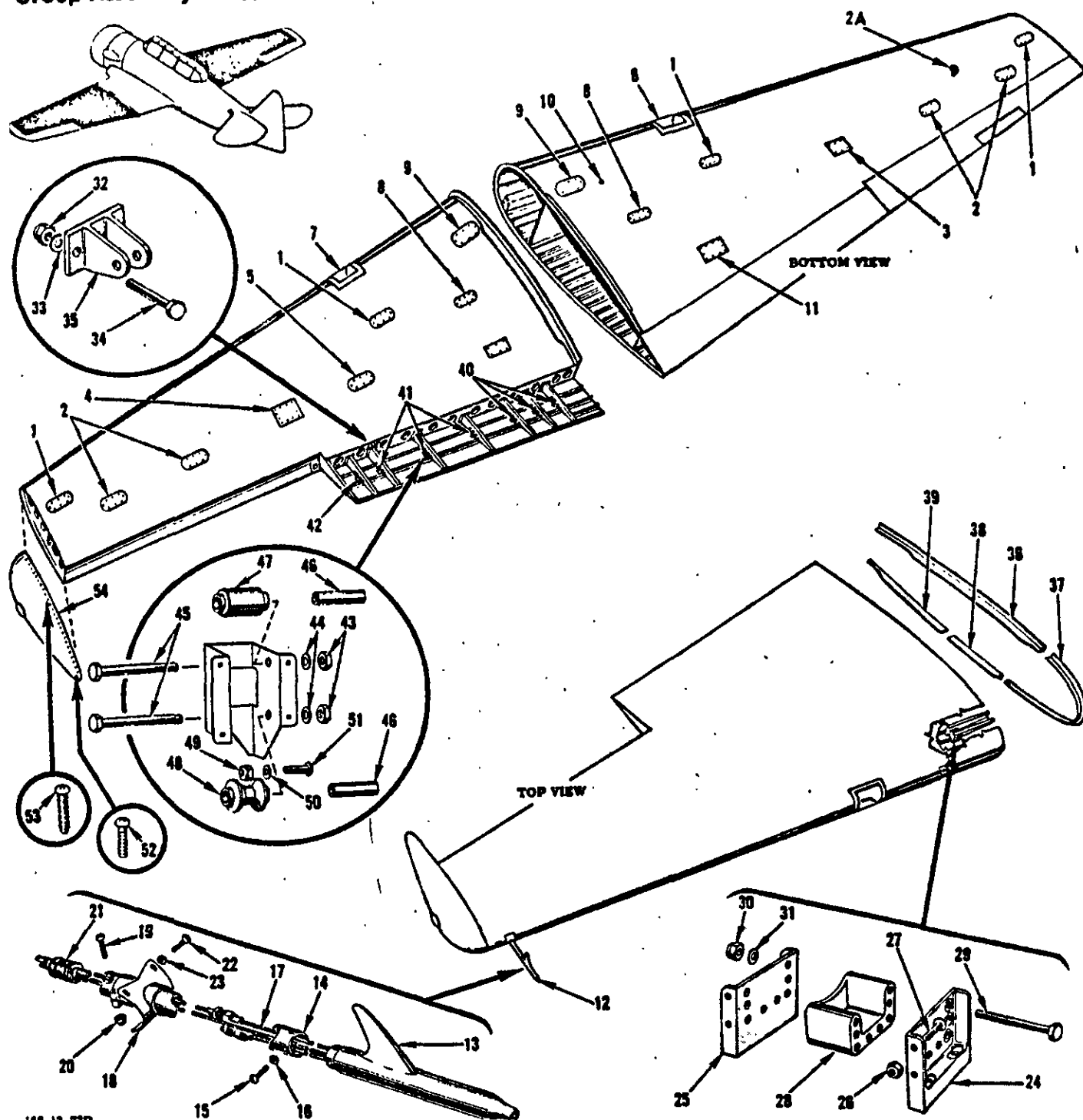
## Group Assembly Parts List

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									WING (Cont) WING (Cont)		
2-50	36-52618	.	.	.	.	.	.	.	Clevis - Flap push-pull tube equalizer rod attaching	1	ALL
-51	36-52625-2	.	.	.	.	.	.	.	Rod - Flap equalizer control	1	ALL
-52	AN320-3	.	.	.	.	.	.	.	Nut - Castle shear	10	ALL
-53	AN960-10L	.	.	.	.	.	.	.	Washer - Plain	10	ALL
-54	AN23-10	.	.	.	.	.	.	.	Bolt - Clevis 10-32	10	ALL
-55	AN310-5	.	.	.	.	.	.	.	Nut - Castellated airframe	2	ALL
-56	AN960-516	.	.	.	.	.	.	.	Washer - Plain	1	ALL
-57	AN5-12	.	.	.	.	.	.	.	Bolt - Aircraft 5/16-24	2	ALL
-58	36-52630	.	.	.	.	.	.	.	Rod Assembly - Flap equalizer adjustable control	1	ALL
-59	AN365-1032	.	.	.	.	.	.	.	Nut - Self locking 250°F	1	ALL
-60	AN3-11A	.	.	.	.	.	.	.	Bolt - Aircraft 10-32	1	ALL
-61	36-52619	.	.	.	.	.	.	.	Clevis - Flap equalizer rod arm attaching	1	ALL
-62	36-52631	.	.	.	.	.	.	.	Clevis - Flap equalizer adjustable control rod	1	ALL
-63	AN316-6R	.	.	.	.	.	.	.	Nut - Check	1	ALL
-64	36-52630-2	.	.	.	.	.	.	.	Rod Assembly - Flap equalizer adjustable control	1	ALL
-65	AN365-428	.	.	.	.	.	.	.	Nut - Self locking 250°F	1	ALL
-66	AN4-12A	.	.	.	.	.	.	.	Bolt - Aircraft 1/4-28	1	ALL
-67	AN316-6R	.	.	.	.	.	.	.	Nut - Check	1	ALL
-68	36-52651	.	.	.	.	.	.	.	Washer - Wing center section right flap push-pull rod lock	1	ALL
-69	AN365-428	.	.	.	.	.	.	.	Nut - Self locking 250°F	4	ALL
-70	AN960-416	.	.	.	.	.	.	.	Washer - Plain	4	ALL
-71	AN4-34A	.	.	.	.	.	.	.	Bolt - Aircraft 1/4-28	4	ALL
-72	55-58178	.	.	.	.	.	.	.	Support Assy - Hydraulic flap operating cylinder	1	ALL
-73	#55-58178-2	.	.	.	.	.	.	.	Support - Hydraulic flap operating cylinder upper	1	ALL
-74	#55-58178-3	.	.	.	.	.	.	.	Support - Hydraulic flap operating cylinder lower	1	ALL
-75	AN365-1032	.	.	.	.	.	.	.	Nut - Self locking 250°F	2	ALL
-76	AN960-10	.	.	.	.	.	.	.	Washer - Plain	2	ALL
-77	AN3-13A	.	.	.	.	.	.	.	Bolt - Aircraft 10-32	2	ALL
-78	AN320-6	.	.	.	.	.	.	.	Nut - Castle shear	1	ALL
-79	2W1C25-40-63	.	.	.	.	.	.	.	Washer - Plain (NA)	1	ALL
-80	2W1C57-40-19	.	.	.	.	.	.	.	Washer - Plain (NA)	2	ALL
-81	NAS2-201	.	.	.	.	.	.	.	Fitting - Lubrication	1	ALL
-82	1637	.	.	.	.	.	.	.	Lubricator (AL)	1	ALL
-83	1703	.	.	.	.	.	.	.	Lubricator (AL)	1	ALL
-84	36-52612	.	.	.	.	.	.	.	Arm Assembly - Flap control equalizer rocker	1	ALL
-85	36-52652	.	.	.	.	.	.	.	Bushing - Flap equalizer	1	ALL
-86	4B19S14-32	.	.	.	.	.	.	.	Bushing - Press fit plain (NA)	1	ALL
-87	36-52623	.	.	.	.	.	.	.	Bearing Assembly - Flap control equalizer rocker arm	1	ALL
-88	#36-52623-2	.	.	.	.	.	.	.	Bearing - Flap control equalizer rocker arm lower	1	ALL
-89	#36-52623-3	.	.	.	.	.	.	.	Bearing - Flap control equalizer rocker arm upper	1	ALL
-90	1703	.	.	.	.	.	.	.	Lubricator (AL)	1	ALL
-91	55-58032	.	.	.	.	.	.	.	Strut Assembly - Hydraulic wing flap operating	1	ALL
-92	168-13001	.	.	.	.	.	.	.	Wing Assy - Center section (mod) (superseded by & is interchangeable with 168-13701) (see fig. 6 for breakdown)	1	A
	168-13001-100	.	.	.	.	.	.	.	Wing Assy - Center section (mod) (superseded by & is interchangeable with 168-13701-100) (see figure 6)	1	Z
	168-13001-200	.	.	.	.	.	.	.	Wing Assy - Center section (mod) (superseded by & is interchangeable with 168-13701-200) (see figure 6)	1	U
	168-13701	.	.	.	.	.	.	.	Wing Assy - Center section (supersedes & is interchangeable with 168-13001) (see fig. 6 for detail breakdown)	1	A
	168-13701-100	.	.	.	.	.	.	.	Wing Assy - Center section (supersedes & is interchangeable with 168-13001-100) (see fig. 6 for detail breakdown)	1	Z
	168-13701-200	.	.	.	.	.	.	.	Wing Assy - Center section (supersedes & is interchangeable with 168-13001-200) (see fig. 6 for detail breakdown)	1	U
-93	AN310-6	.	.	.	.	.	.	.	Nut - Castellated airframe	8	ALL
-94	AN960-616	.	.	.	.	.	.	.	Washer - Plain	8	ALL
-95	28-13117	.	.	.	.	.	.	.	Spacer - Wing center section rear attaching	2	ALL
-96	88-13088	.	.	.	.	.	.	.	Keeper Assy - Wing center section bolt (ref 88-13201)	8	ALL
-97	88-13087	.	.	.	.	.	.	.	Keeper - Wing center section 3.8 bolt (ref 88-13201)	8	ALL
-98	AN6-44	.	.	.	.	.	.	.	Bolt - Aircraft 3/8-24 (fwd attaching) (ref 88-13201)	4	ALL
	AN6-47	.	.	.	.	.	.	.	Bolt - Aircraft 3/8-24 (aft attaching) (ref 88-13201)	3	ALL
	AN6-66	.	.	.	.	.	.	.	Bolt - Aircraft 3/8-24 (aft attaching) (ref 88-13201)	1	ALL
	55-14010	.	.	.	.	.	.	.	Hinge Installation - Outer wing aileron LH	NP	ALL
	55-14010-1	.	.	.	.	.	.	.	Hinge Installation - Outer wing aileron RH	NP	ALL
-99	88-14066	.	.	.	.	.	.	.	Bracket Assy - Outer wing aileron inboard hinge LH	1	ALL
	88-14066-1	.	.	.	.	.	.	.	Bracket Assy - Outer wing aileron inboard hinge RH	1	ALL
-100	AN200K5	.	.	.	.	.	.	.	Bearing - Heavy duty ball	1	ALL
-101	88-14069	.	.	.	.	.	.	.	Bracket Assy - Outer wing center aileron hinge LH	1	ALL
	88-14069-1	.	.	.	.	.	.	.	Bracket Assy - Outer wing center aileron hinge RH	1	ALL
-102	AN200K34	.	.	.	.	.	.	.	Bearing - Heavy duty ball	1	ALL
-103	121-14065	.	.	.	.	.	.	.	Bracket Assy - Outer wing aileron outboard hinge LH	1	ALL
	121-14065-1	.	.	.	.	.	.	.	Bracket Assy - Outer wing aileron outboard hinge RH	1	ALL
-104	AN200K4	.	.	.	.	.	.	.	Bearing - Heavy duty ball	1	ALL
-105	55-14255	.	.	.	.	.	.	.	Base - Outer wing center hinge bracket LH	1	ALL
	55-14255-1	.	.	.	.	.	.	.	Base - Outer wing center hinge bracket RH	1	ALL
-106	77-10031	.	.	.	.	.	.	.	Hook Assembly - Bolt angle cover rear lock handle	1	ALL
-107	55-18022	.	.	.	.	.	.	.	Hinge Assembly - Flap LH	Ref	

# 55-58178-2 and 55-58178-3 are selective fitted. Not to be stocked or requisitioned as separate items.

## 36-52623-2 and 36-52623-3 are selective fitted. Not to be stocked or requisitioned as separate items.





168-12-73D

FIGURE 3 - WING OUTER PANEL ASSEMBLY

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
WING (Cont)											
WING OUTER PANEL ASSEMBLY											
3	168-14001-1	*							Wing Assy - Outer panel LH (mod) (superseded by and is interchangeable with 168-14701-1) (see figure 2)	Ref	A-K,U
	168-14701-1	*							Wing Assy - Outer panel LH (supersedes and is interchangeable with 168-14001-1) (see figure 2)	Ref	A-K,U
	168-14001-101	*							Wing Assy - Outer panel RH (mod) (see figure 2)	Ref	Z
	168-14001-2	*							Wing Assy - Outer panel RH (mod) (superseded by and is interchangeable with 168-14701-2) (see figure 2)	Ref	A-K,U
	168-14701-2	*							Wing Assy - Outer panel RH (supersedes and is interchangeable with 168-14001-2) (see figure 2)	Ref	A-K,U
	168-14001-102	*							Wing Assy - Outer panel RH (mod) (see figure 2)	Ref	Z
	No Number								WOP Misc. Equip. (see figure 3A for detail breakdown)	1	ALL
-1	55-14071								Cover - Outer wing landing light junction box inspection	2	ALL
-2	78-14275								Cover - Outer wing station 1.20 and 1.50 access	Ref	ALL

## Group Assembly Parts List

AN 01-60CFA-4

FIGURE & NOTE NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
WING (Cont)											
WING OUTER PANEL ASSEMBLY (Cont)											
3-2A	589	•							Ring - Airplane mooring . . . . .	2	ALL
-3	54-14076	•							Cover - Outer wing aileron bellcrank access LH . . . . .	1	ALL
-4	54-14076-1	•							Cover - Outer wing aileron bellcrank access RH . . . . .	1	ALL
-5	78-14274	•							Cover - Outer wing station 60.357 access . . . . .	2	ALL
-6	78-14112	•							Door Assembly - Outer wing landing light LH . . . . .	1	ALL
-7	78-14112-1	•							Door Assembly - Outer wing landing light RH . . . . .	1	ALL
	A3135	•							Washer (TIN) . . . . .	12	ALL
	AN507-832R8	•							Screw - Machine flat head 100° . . . . .	12	ALL
-8	84-14290	•							Cover - Outer wing bomb rack cable access . . . . .	1	ALL
-9	54-14100	•							Cover - Outer wing spar attaching bolts access . . . . .	1	ALL
-10	E734	•							Screw - Jack point . . . . .	1	ALL
-11	55-14072	•							Cover Assembly - Aileron cable inspection . . . . .	1	ALL
-12	88-51033	•							Tube Assembly - Airspeed complete . . . . .	1	ALL
-13	AN5816-2	•							Tube - Electric heated pitot static (GPP) . . . . .	1	ALL
-14	55-51026-2	•							Tube Assembly - Outer wing airspeed pitot head support . . . . .	1	ALL
-15	AN520-6-4	•							Screw - Round head machine fine thread . . . . .	4	ALL
-16	AN935-6	•							Washer - Spring lock . . . . .	4	ALL
-17	88-51841	•							Line Assembly - Airspeed pitot pressure . . . . .	1	ALL
-18	54-51062	•							Bracket Assembly - Outer wing pitot tube . . . . .	1	ALL
-19	NAS221-16	•							Screw - Brazier head Phillips recess alloy steel 10-32 . . . . .	1	ALL
-20	AN365-1032	•							Nut - Self locking 250°P . . . . .	1	ALL
-21	88-51033-2	•							Tube Assembly - Airspeed pitot complete . . . . .	1	ALL
-22	AN515-8-8	•							Screw - Round head machine coarse thread . . . . .	4	ALL
-23	54-14100-32	•							Washer - Plain (NA) . . . . .	4	ALL
	88-14201	•							Covered Assembly - Outer wing LH . . . . .	1	ALL
	88-14201-1	•							Covered Assembly - Outer wing RH . . . . .	1	ALL
-24	88-14582	•							Fitting - Landing gear strut housing LH . . . . .	1	ALL
-25	88-13582-1	•							Fitting - Landing gear strut housing RH . . . . .	1	ALL
-26	AN365-1032	•							Nut - Self locking 250°P . . . . .	4	ALL
-27	NAS221-11	•							Screw - Brazier head Phillips recess alloy steel 10-32 . . . . .	4	ALL
-28	88-14105	•							Spacer - Landing gear strut channel . . . . .	1	ALL
-29	AN4-30A	•							Bolt - Aircraft 1/4-28 . . . . .	8	ALL
-30	AN365-428	•							Nut - Self locking 250°P . . . . .	8	ALL
-31	AN960-416	•							Washer - Plain . . . . .	8	ALL
-32	AN365-428	•							Nut - Self locking 250°P . . . . .	6	ALL
-33	AN960-416	•							Washer - Plain . . . . .	6	ALL
-34	AN4-6A	•							Bolt - Aircraft 1/4-28 . . . . .	6	ALL
-35	55-13210	•							Bracket - Flap hinge . . . . .	3	ALL
	84-14009	•							Angle Installation - Outer wing bolting LH . . . . .	NP	ALL
	84-14009-1	•							Angle Installation - Outer wing bolting RH . . . . .	NP	ALL
-36	66-14027-2	•							Angle - Outer wing upper bolting (used on RH instl) . . . . .	1	ALL
	55-14027-2	•							Angle - Outer wing upper bolting LH . . . . .	1	ALL
-37	54-14028-1	•							Angle - Outer wing nose bolting RH . . . . .	1	ALL
	54-14028	•							Angle - Outer wing nose bolting LH . . . . .	1	ALL
-38	84-14029-1	•							Angle - Outer wing lower front bolting RH . . . . .	1	ALL
	84-14029	•							Angle - Outer wing lower front bolting LH . . . . .	1	ALL
-39	54-14030-1	•							Angle - Outer wing lower rear bolting RH . . . . .	1	ALL
	54-14030	•							Angle - Outer wing lower rear bolting LH . . . . .	1	ALL
-40	88-14091-1	•							Bracket Assy - Outer wing flap control tube roller RH . . . . .	3	ALL
	88-14091	•							Bracket Assy - Outer wing flap control tube roller LH . . . . .	3	ALL
-41	88-14091-3	•							Bracket Assy - Outer wing flap control tube roller RH . . . . .	2	ALL
	88-14091-2	•							Bracket Assy - Outer wing flap control tube roller LH . . . . .	2	ALL
-42	88-14091-3	•							Bracket Assy - Outer wing flap control tube roller RH . . . . .	2	ALL
	88-14091-4	•							Bracket Assy - Outer wing flap control tube roller LH . . . . .	2	ALL
-43	AN310-3	•							Nut - Castellated airframe . . . . .	2	ALL
-44	AN960-10	•							Washer - Plain . . . . .	2	ALL
-45	AN3-13	•							Bolt - Aircraft 10-32 . . . . .	2	ALL
-46	55-52636	•							Spacer - Flap control tube guide roller . . . . .	2	ALL
-47	55-52634	•							Roller - Flap control tube guide upper . . . . .	1	ALL
-48	55-52635	•							Roller - Flap control tube guide lower . . . . .	1	ALL
-49	AN365-832	•							Nut - Self locking 250°P . . . . .	12	ALL
-50	AN960-8	•							Washer - Plain . . . . .	12	ALL
-51	NAS221-8	•							Screw - Brazier head Phillips recess alloy steel 10-32 . . . . .	12	ALL
-52	AN515-8-32	•							Screw - Round head machine coarse thread . . . . .	4	ALL
-53	AN515-8R8	•							Screw - Round head machine coarse thread . . . . .	52	ALL
	No Number	•							Outer Wing Aileron Control Equipment (see figure 26 for breakdown) . . . . .	NP	ALL
	No Number	•							WOP Flap Control Rods (see figure 5 for detail breakdown) . . . . .	NP	ALL
-54	168-14011-1	•							Tip Assembly - Wing modification LH . . . . .	1	ALL
	168-14011-2	•							Tip Assembly - Wing modification RH . . . . .	1	ALL

\* NOTE: Spare wings include electrical wiring but exclude all GPP.

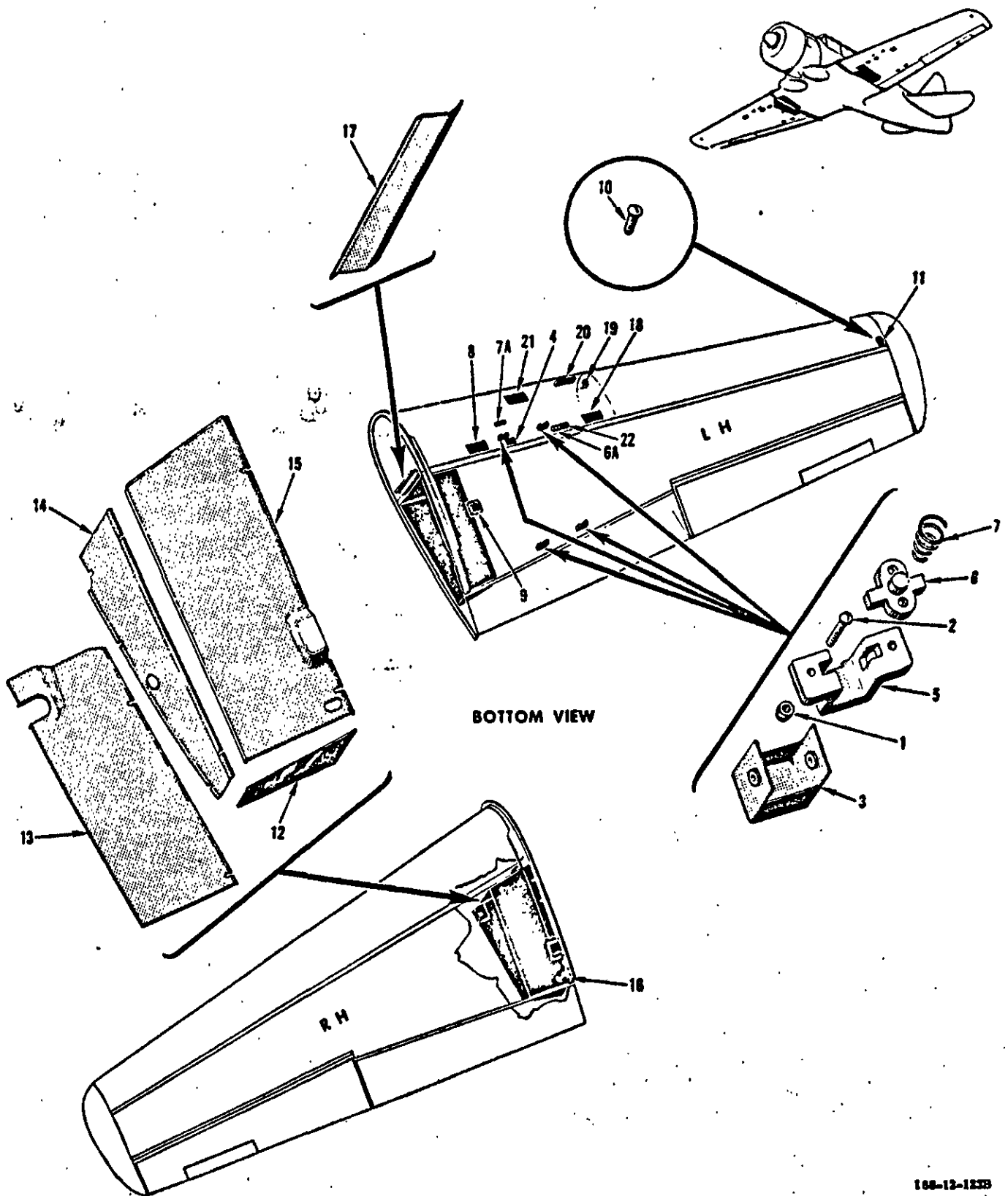


FIGURE 3A - WING OUTER PANEL MISCELLANEOUS EQUIPMENT

FIGURE & WING NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	USAMS ON CODE
									WING (Cont)		
									WING OUTER PANEL MISCELLANEOUS EQUIPMENT		
3A	No Number								Wing Outer Panel Miscellaneous Equip. (see fig. 3 for next assy)	NP	ALL
	168-14445-1								Panel Instl - WOP sta 45.268 to sta 60.357 LH (mod)	NP	Z,Y
	168-14445-2								Panel Instl - WOP sta 45.268 to sta 60.357 RH (mod)	NP	Z,Y
	168-14430-1								Panel Instl - Wing outer panel station 29.074 LH	NP	Z,Y
	168-14430-2								Panel Instl - Wing outer panel station 29.074 RH	NP	Z,Y
-1	AN365-632								Nut - Self locking 250°F	4	Z,Y
-2	AN515-6R8								Screw - Mach round head coarse thread (used with 168-14445)	4	Z,Y
	AN515-6R9								Screw - Mach round head coarse thread (used with 168-14430)	4	Z,Y
-3	117-54244								Cover Assembly - Rocket electrical connector	2	Z,Y
-4	168-54080								Cover - Wing outer panel sta 29.074 electrical access	1	Z,Y
-5	117-54240								Bracket - Rocket electrical connector guide	2	Z,Y
-6	117-54241								Plug Assy - Rocket electrical connector	2	Z,Y
-6A	168-14445-9								Cover - WOP sta 51.150	1	Z,Y
	AN515-8R8								Screw - Mach round head coarse thread	8	Z,Y
-7	117-54243								Spring - Rocket electrical connector operating	2	Z,Y
-7A	168-68010								Filler - Fwd rocket fairing W.O.P. sta 30.178 fwd bracket	1	Z,Y
	168-14415-1								Panel Instl - Wing outer panel sta 15.029 LH (mod)	NP	Z,Y
	168-14415-2								Panel Instl - Wing outer panel sta 15.029 RH (mod)	NP	Z,Y
-8	168-63016								Door - Bomb rack access wing outer panel sta 19 LH	1	Z,Y
	168-63018								Door - Bomb rack access wing outer panel sta 19 RH	1	Z,Y
-9	121-61408-3								Door - WOP sta 16.589 gun pod access LH	1	Z,Y
	121-61408-4								Door - WOP sta 16.589 gun pod access RH	1	Z,Y
-10	AN526-8R8								Screw - Machine truss head	4	ALL
-11	168-14018								Cover - Wing outer panel electrical access	1	ALL
	168-48023-1								Liner Installation - Auxiliary fuel cell LH	1	ALL
	168-48023-2								Liner Installation - Auxiliary fuel cell RH	1	ALL
-12	168-48027								Liner - Auxiliary fuel cell flap spar	1	ALL
-13	168-48025-2								Liner - Auxiliary fuel cell upper RH	1	ALL
	168-48025-1								Liner - Auxiliary fuel cell upper LH	1	ALL
-14	168-48024-2								Liner - Auxiliary fuel cell wing station 15.089 RH	1	ALL
	168-48024-1								Liner - Auxiliary fuel cell wing station 15.089 LH	1	ALL
-15	168-48026-2								Liner - Auxiliary fuel cell lower RH	1	ALL
	168-48026-1								Liner - Auxiliary fuel cell lower LH	1	ALL
-16	168-48012-2								Adapter - Auxiliary fuel tank drain support RH	1	ALL
	168-48012-1								Adapter - Auxiliary fuel tank drain support LH	1	ALL
-17	168-48029								Liner - Auxiliary fuel cell front spar	1	ALL
	168-14401								Panel Instl - Outer wing sta 60.359 to 75.445 (mod) (left wing only)	NP	Z,Y
-18	168-66018								Door - Rocket camera wing outer panel sta 75.445 access	1	Z,Y
-19	168-66006								Pointer - Rocket camera position (sta 75.445)	1	Z,Y
	168-66001								Camera Instl - WOP sta 75.445 rocket (see figure 72E for detail breakdown)	NP	Z,Y
-20	168-66026								Door Assy - WOP leading edge camera sliding (LH only)	1	Z,Y
-21	182-61009								Door - LH wing access (armament)	1	Z,Y
	AN520-10R6								Screw - Mach round head fine thread	8	Z,Y
-22	55-14071								Cover - Outer wing ldg light jet box insp (see fig. 3)	Ref	

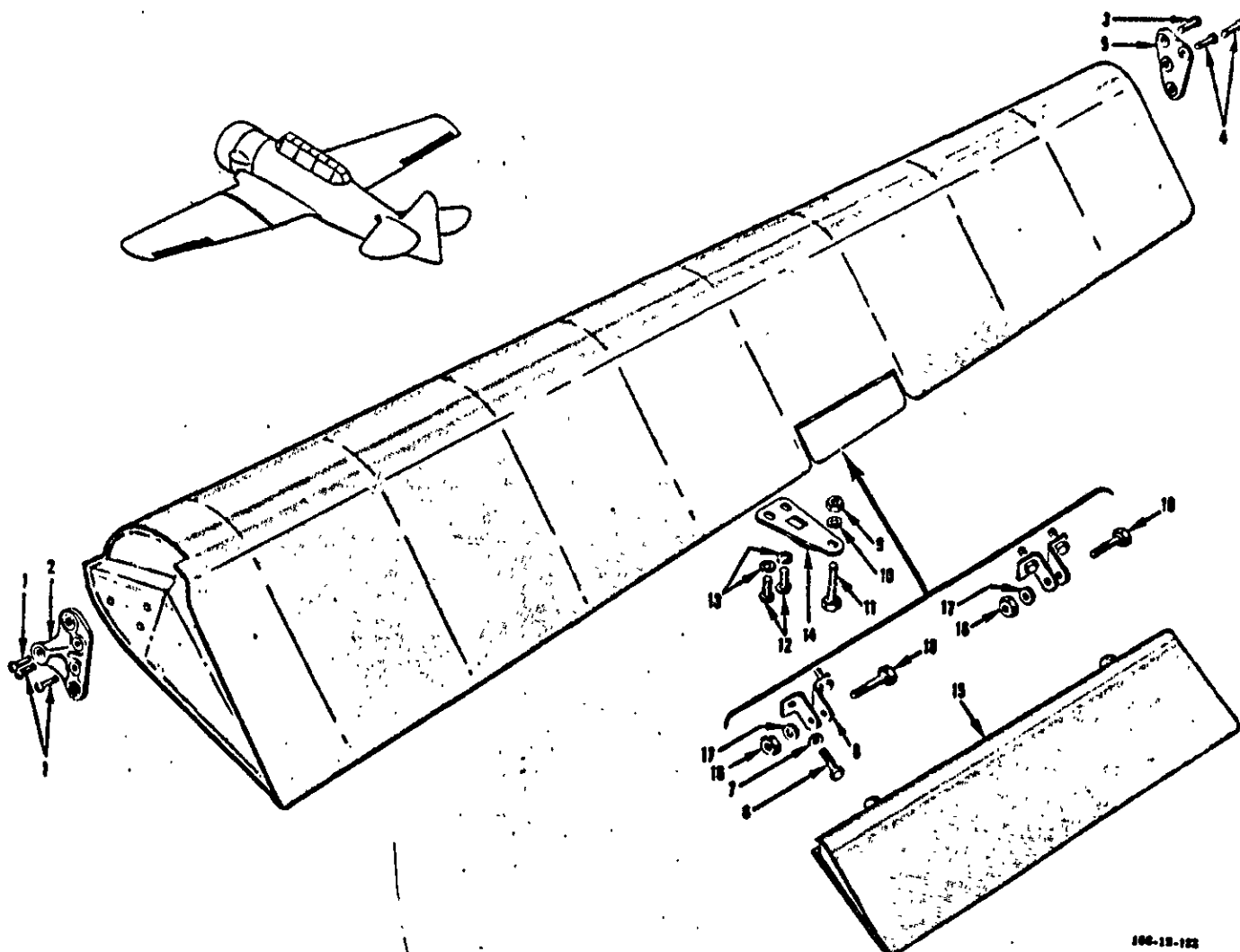


FIGURE - 4 COVERED AILERON ASSEMBLY

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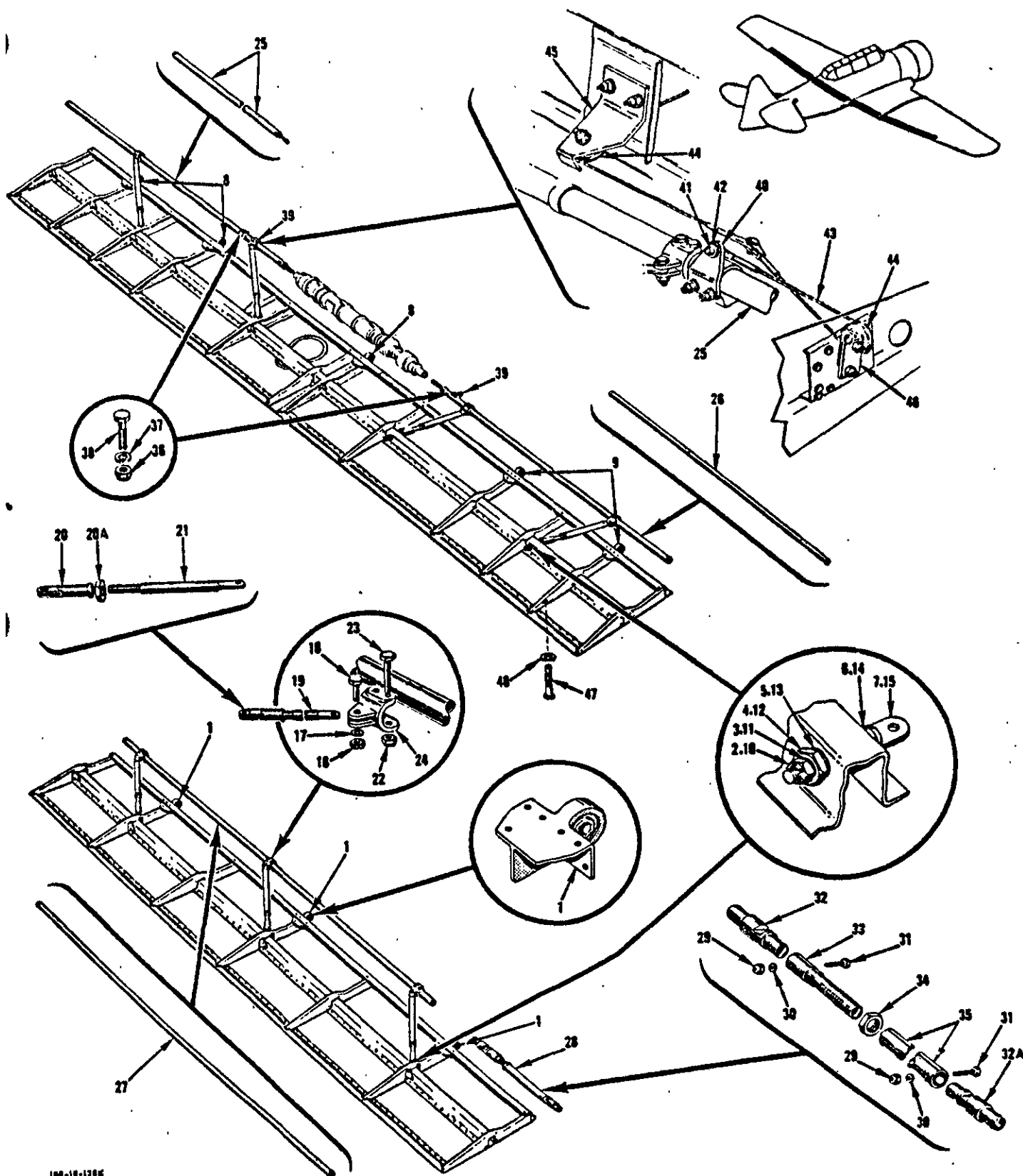
FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
WING (Cont)											
COVERED AILERON ASSEMBLY											
4	84-16001	Aileron Assembly - Covered LH (see figure 2 for next assy)								Ref	ALL
	84-16001-1	Aileron Assembly - Covered RH (see figure 2 for next assy)								Ref	ALL
	84-16002	Frame Assembly - Aileron complete LH								1	ALL
	84-16002-1	Frame Assembly - Aileron complete RH								1	ALL
-1	AN507-428-12	Screw - 100° Flat head machine coarse thread								3	ALL
-2	55-16080-3	Bracket Assembly - Aileron inboard hinge RH								1	ALL
	55-16080-2	Bracket Assembly - Aileron inboard hinge LH								1	ALL
-3	NAS221-10	Screw - Brazier head Phillips recess alloy steel 10-32								1	ALL
-4	NAS221-11	Screw - Brazier head Phillips recess alloy steel 10-32								1	ALL
-5	55-16031-5	Bracket Assembly - Aileron outboard hinge RH								2	ALL
	55-16031-4	Bracket Assembly - Aileron outboard hinge LH								1	ALL
-6	AN3-4A	Bolt - Aircraft 10-32								1	ALL
-7	AN960-10	Washer - Plain								2	ALL
-8	55-24018	Support Assembly - Trim tab hinge								2	ALL
-9	AN316-4R	Nut - Check								2	ALL
-10	AN960-416	Washer - Plain								1	ALL
-11	5B2-16	Bolt - Adjustment								1	ALL
-12	NAS221-14	Screw - Brazier head Phillips recess alloy steel 10-32								1	ALL
-13	AN936B10	Washer - Plain								2	ALL
-14	88-16035	Bracket - Aileron center hinge								2	ALL
-15	55-16005-1	Tab Assembly - Aileron booster RH								1	ALL
	55-16005	Tab Assembly - Aileron booster LH								1	ALL
-16	AN310-3	Nut - Castellated airframe								1	ALL
-17	AN960-10L	Washer - Plain								2	ALL
-18	AN3-10	Bolt - Aircraft 10-32								2	ALL

Revised 15 October 1954

Section II  
Group Assembly Parts List

AN 01-60FFA-4

WING (Cont)



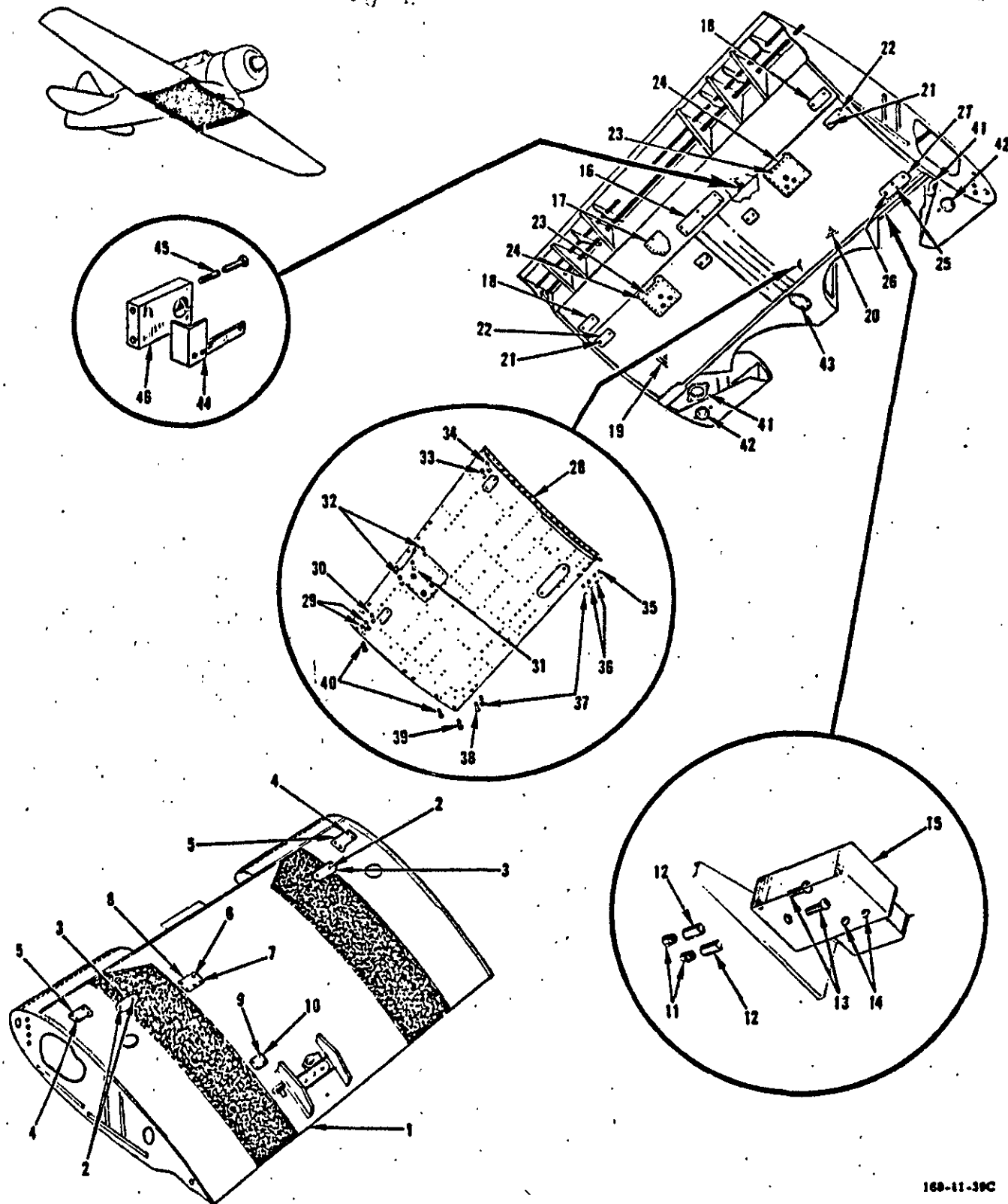
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FIGURE 5 - OUTER WING AND CENTER SECTION FLAPS AND FLAP CONTROL RODS

FIGURE & WING NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
WING (Cont)											
OUTER WING AND CENTER SECTION FLAPS AND FLAP CONTROL RODS											
5	Outer Wing and Center Section Flaps and Flap Control Rods										
	55-18001								Flap Assembly - Outer wing LH (see figure 2 for next assy)	Ref	ALL
	55-18001-1								Flap Assembly - Outer wing RH (see figure 2 for next assy)	Ref	ALL
-1	55-18022								Hinge Assembly - Flap LH	1	ALL
	55-18022-1								Hinge Assembly - Flap RH	1	ALL
-2	AN310-4								Nut - Castellated airframe	3	ALL
-3	2W1-17-16-125								Washer - Plain (NA)	3	ALL
-4	AN316-8R								Nut - Check	3	ALL
-5	2W1-33-24-62								Washer - Plain (NA)	3	ALL
-6	55-18006								Bushing - Center and outer wing flap	3	ALL
-7	55-18024								Eye Bolt - Wing flap	3	ALL
	66-18002								Flap Assembly - Wing center section (see figure 2 for next assembly)	Ref	ALL
-8	55-18022								Hinge Assembly - Flap LH	3	ALL
-9	55-18022-1								Hinge Assembly - Flap RH	2	ALL
-10	AN310-4	*1							Nut - Castellated airframe	4	ALL
-11	2W1-17-16-125	*1							Washer - Plain (NA)	4	ALL
-12	AN316-8R								Nut - Check	4	ALL
-13	2W1-33-24-62	*1							Washer - Plain (NA)	4	ALL
-14	55-18006	*1							Bushing - Center and outer wing flap	4	ALL
-15	55-18024	*1							Eye Bolt - Wing flap	4	ALL
	No Number								Wing Outer Panel Flap Control Rods (see figure 3 for next assembly)	NP	ALL
	No Number								Wing Center Section Flap Control Rods (see figure 6)	NP	ALL
-16	AN310-3								Nut - Castellated airframe (used on outer panel flaps)	6	ALL
	AN310-3	*1							Nut - Castellated airframe (used on center section flap)	4	ALL
-17	AN960-10								Washer - Plain (used on outer panel flaps)	6	ALL
	AN960-10	*1							Washer - Plain (used on center section flap)	4	ALL
-18	AN3-7								Bolt - Aircraft 10-32 (used on outer panel flaps)	6	ALL
	AN3-7	*1							Bolt - Aircraft 10-32 (used on center section flap)	4	ALL
-19	55-52649								Turnbuckle Assy - Flap push-pull connecting (used on outer panel flaps)	6	ALL
	55-52649	*1							Turnbuckle Assy - Flap push-pull connecting (used on center section flap)	4	ALL
-20	AN486-4								Clevis - Rod end adjusting	1	ALL
-20A	AN316-4R								Nut - Check	1	ALL
-21	55-52649-2								Rod - Flap push-pull connecting	1	ALL
-22	AN365-1032								Nut - Self locking 250°F	14	ALL
-23	AN3-13A								Bolt - Aircraft 10-32	14	ALL
-24	19-52638								Bracket - Flap push-pull tube turnbuckle attaching	10	ALL
-25	66-52647								Rod - Wing center section left flap push-pull	1	ALL
-26	66-52648								Rod Assy - Wing center section right flap push-pull	1	ALL
-27	55-52643								Rod - Outer wing flap control push pull	1	ALL
-28	55-52646								Rod Assy - Wing flap push-pull universal	1	ALL
-29	AN365-1032								Nut - Self locking 250°F	2	ALL
-30	AN960-10								Washer - Plain	2	ALL
-31	AN3-11A								Bolt - Aircraft 10-32	2	ALL
-32	19-52642								Joint - Flap control tube universal (outboard)	1	ALL
-32A	19-52642	*1							Joint - Flap control tube universal (inboard)	1	ALL
	54SAA470	*2							Joint Assy - Ball rod actuating flap (inboard)	1	A,K,V,W
-33	19-52652								Screw - Wing flap push-pull adjustment	1	ALL
-34	AN316-8R								Nut - Check	1	ALL
-35	55-52651								Rod - Wing flap push-pull universal	1	ALL
-36	AN365-1032								Nut - Self locking 250°F	4	ALL
-37	AN960-10								Washer - Plain	4	ALL
-38	AN3-14A								Bolt - Aircraft 10-32	4	ALL
-39	36-52611								Bracket - Flap push-pull tube equalizer rod attaching	2	ALL
-40	53SAA1849	*2							Bracket - Cable end	1	A,K,V,W
-41	AN393-9	*2							Pin - Flat head 3/16	1	A,K,V,W
-42	AN960-10L	*2							Washer - Plain	1	A,K,V,W
-43	53SAA1842	*2							Wire Rope Assembly - Flap indicator	1	A,K,V,W
-44	AN210-1B	*2							Pulley - Anti-friction bearing control	2	A,K,V,W
-45	53SAA1851	*2							Bracket - Pulley	1	A,K,V,W
-46	53SAA1850	*2							Bracket Assembly - Pulley wing rib	1	A,K,V,W
-47	AN520-10-18	*2							Screw - Machine round head fine thread (used to immobilize center section flap)	4	A,K,V,W
-48	AN960-10L	*2							Washer - Plain (used to immobilize center section flap)	4	A,K,V,W

\*1 Parts marked thus not used on aircraft reworked in accordance with T. O. 1T-60-204.

\*2 Parts marked thus used only on aircraft reworked in accordance with T. O. 1T-60-204.



169-11-39C

FIGURE 6 - WING CENTER SECTION ASSEMBLY



## Group Assembly Parts List

FIGURE & MODE NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
WING (Cont)											
WING CENTER SECTION ASSEMBLY											
6	168-13001	Wing Assy - Center section (mod) (superseded by & is inter- changeable with 168-13701) (see figure 2 for next assy) . . . Ref									A
	168-13001-100	Wing Assy - Center section (Mod) (superseded by & is inter- changeable with 168-13701-100) (see fig. 2 for next assy) . . . Ref									Z
	168-13001-200	Wing Assy - Center section (mod) (superseded by & is inter- changeable with 168-13701-200) (see fig. 2 for next assy) . . . Ref									K,U
	168-13701	Wing Assy - Center section (supersedes & is interchangeable with 168-13001) (see figure 2 for next assembly) . . . Ref									A
	168-13701-100	Wing Assy - Center section (supersedes & is interchangeable with 168-13001-100) (see figure 2 for next assembly) . . . Ref									Z
	168-13701-200	Wing Assy - Center section (supersedes & is interchangeable with 168-13001-200) (see figure 2 for next assembly) . . . Ref									K,U
-1	168-13002	Wing Assy - Center section (used on 168-13701) (see figure 7 for detail breakdown) . . . 1									A
	168-13002-100	Wing Assy - Center section (used on 168-13701-100) (see figure 7 for detail breakdown) . . . 1									Z
	168-13002-200	Wing Assy - Center section (used on 168-13701-200) (see figure 7 for detail breakdown) . . . 1									K,U
	168-13401	Wing Assy - Center section (mod) (used on 168-13001-100) (see figure 7 for detail breakdown) . . . 1									Z Y
-2	AN509-8R8	Screw - 100° flat head structural . . . 4									ALL
-3	77-13308	Cover - WCS fuel tank vent line connecting . . . 4									ALL
-4	AN531-8R10	Screw - 100° flat head structural . . . 8									ALL
-5	168-13199-3	Cover - Wing center section landing gear access LH . . . 1									ALL
	168-13199-4	Cover - Wing center section landing gear access RH . . . 1									ALL
-6	AN515-10R8	Screw - Round head machine coarse thread . . . 2									ALL
-7	AN515-10R10	Screw - Round head machine coarse thread . . . 3									ALL
-8	66-13315	Cover - Wing center section sta 17 bomb control opening . . . 1									ALL
-9	AN530-8R7	Screw - Round head machine coarse thread . . . 2									ALL
-10	66-13310	Cover - Wing center section selector valve cutout . . . 1									ALL
-11	AN365-1032	Nut - Self locking 250° F . . . 8									ALL
-12	4S3D10-5	Spacer - Bolt (NA) . . . 2									ALL
-13	AN520-10R8	Screw - Round head machine fine thread . . . 4									ALL
-14	AN520-10R10	Screw - Round head machine fine thread . . . 4									ALL
-15	168-54025-1	Box Assy - Electrical lighting gear position indicator switch LH (mod) (see figure 56 for detail breakdown) . . . 1									ALL
	168-54025-2	Box Assy - Electrical lighting gear position indicator switch RH (mod) (see figure 56 for detail breakdown) . . . 1									ALL
-16	52-13071	Cover Assy - WCS aileron pulley bracket access . . . 1									ALL
-17	55-13281	Cover Assy - Wing center section fuel cock access . . . 1									ALL
-18	50-13190	Cover Assy - Wing center section aileron outboard pulley bracket . . . 1									ALL
-19	77-13005	Cover Assembly - Wing center section fuel tank LH . . . 1									ALL
-20	77-13005-1	Cover Assembly - Wing center section fuel tank RH . . . 1									ALL
-21	AN515-8-7	Screw - Round head machine coarse thread . . . 2									ALL
-22	36-13149	Cover - Wing center section station 10 and 52 fuel tank cover cutout . . . 1									ALL
-23	AN515-8-8	Screw - Round head machine coarse thread . . . 13									ALL
-24	66-13148	Cover - Wing center section station 26 1/2 fuel tank cover cutout . . . 1									ALL
-25	AN515-9-9	Screw - Round head machine coarse thread . . . 2									ALL
-26	AN515-8-10	Screw - Round head machine coarse thread . . . 2									ALL
-27	49-13147	Cover - Wing center section station 45 1/2 fuel tank cover cutout . . . 1									ALL
-28	77-13303-1	Angle - Wing center section fuel tank cover bolting RH . . . 1									ALL
	77-13303	Angle - Wing center section fuel tank cover bolting LH . . . 1									ALL
-29	NAS222-15	Screw - Brazier head Phillips recess alloy steel 1/4-28 . . . 4									ALL
-30	NAS222-12	Screw - Brazier head Phillips recess alloy steel 1/4-28 . . . 2									ALL
-31	NAS222-11	Screw - Brazier head Phillips recess alloy steel 1/4-28 . . . 22									ALL
-32	NAS222-12	Screw - Brazier head Phillips recess alloy steel 1/4-28 . . . 4									ALL
-33	NAS222-12	Screw - Brazier head Phillips recess alloy steel 1/4-28 . . . 26									ALL
-34	NAS222-14	Screw - Brazier head Phillips recess alloy steel 1/4-28 . . . 2									ALL
-35	NAS222-24	Screw - Brazier head Phillips recess alloy steel 1/4-28 . . . 2									ALL
-36	NAS222-22	Screw - Brazier head Phillips recess alloy steel 1/4-28 . . . 6									ALL
-37	NAS222-5	Screw - Brazier head Phillips recess alloy steel 1/4-28 . . . 72									ALL
-38	NAS222-14	Screw - Brazier head Phillips recess alloy steel 1/4-28 . . . 4									ALL
-39	NAS222-17	Screw - Brazier head Phillips recess alloy steel 1/4-28 . . . 4									ALL
-40	NAS222-16	Screw - Brazier head Phillips recess alloy steel 1/4-28 . . . 80									ALL
-41	168-54029	Retainer - Lighting gear downlock indicating light . . . 2									ALL
-42	A2132	Light Assembly - Lighting gear position indicating (GMC) . . . 2									ALL
-43	168-71009	Cover - VAR-ILS antenna provision . . . 1									ALL
-44	168-52315	Fairlead Assembly - Aileron control assembly . . . 1									AI-C46
-45	AN3-26A	Bolt - Aircraft 10-32 . . . 2									C47-C60
-46	168-52317	Fairlead - Aileron control cable . . . 1									C47-C60
	No Number	Wing Center Section Aileron Control Cables (see figure 26 for detail breakdown) . . . NP									ALL
	No Number	Wing Center Section Flap Control Rods (see figure 5 for detail breakdown) . . . NP									ALL

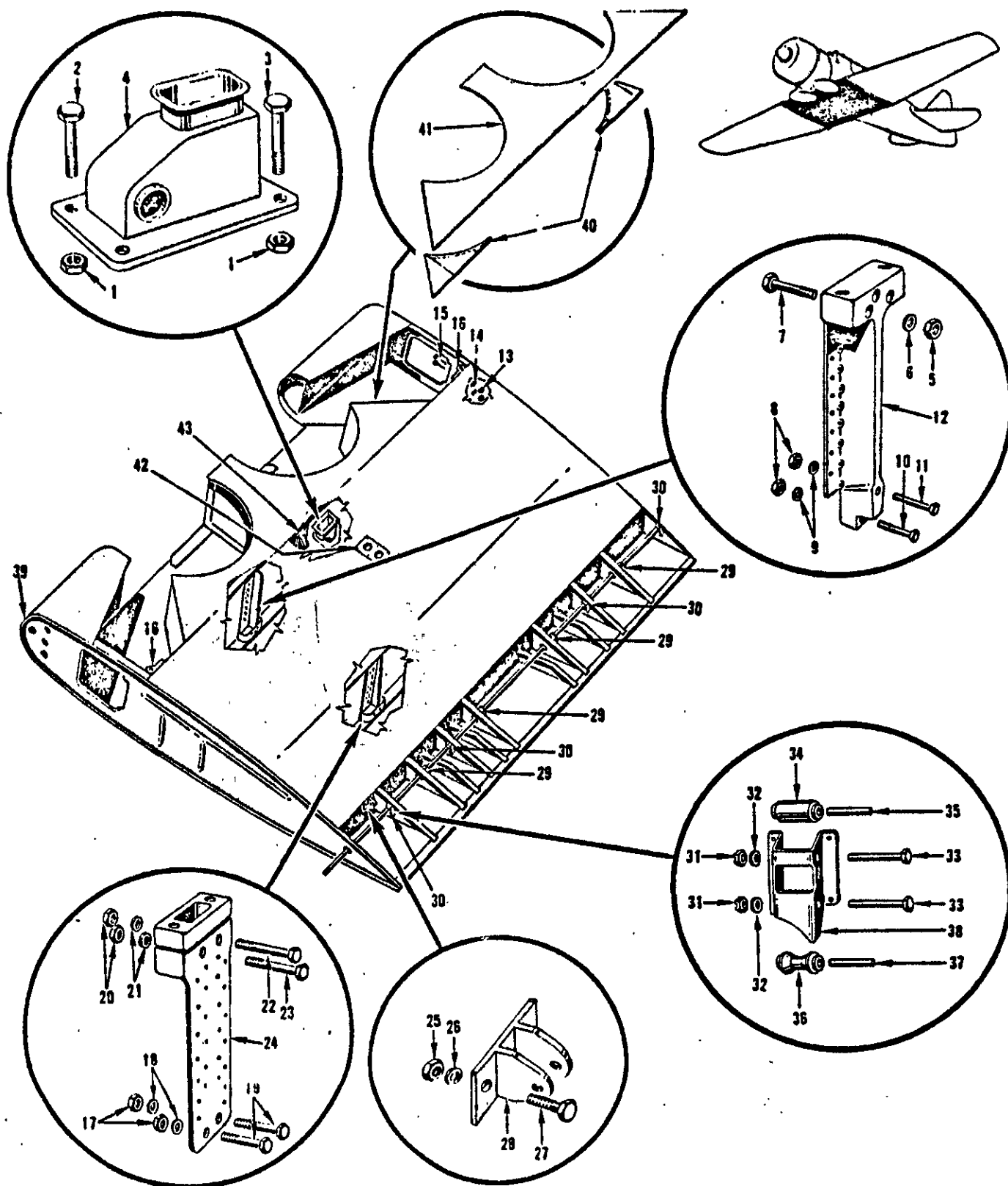


FIGURE 7 - WING CENTER SECTION COVERED ASSEMBLY

## Group Assembly Parts List

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									WING (Cont)		
									WING CENTER SECTION COVERED ASSEMBLY		
7	168-13002								Wing Assy - Center section (mod) (used on 168-31701) (see figure 6 for next assembly)		
	168-13002-100								*Wing Assy - Center section (mod) (used on 168-31701-100) (see figure 6 for next assembly)	Ref	A
	168-13002-200								*Wing Assy - Center section (mod) (used on 168-31701-200) (see figure 6 for next assembly)	Ref	Z
	168-13401								Wing Assy - Center section (mod) (used on 168-13001-100) (see figure 6 for next assembly)	Ref	K,U
-1	AN365-1032								Nut - Self locking 250°F	Ref	Z,Y
-2	AN3-5A								Bolt - Aircraft 10-32	6	ALL
-3	AN3-6A								Bolt - Aircraft 10-32	3	ALL
-4	55-33535-3								Housing - Landing gear lock mechanism bellcrank	3	ALL
	88-13003								Spar Assembly - Wing center section front	1	ALL
-5	AN365-428								Nut - Self locking 250°F	1	ALL
-6	AN960-416								Washer - Plain	6	ALL
-7	AN4-17A								Bolt - Aircraft 1/4-28	6	ALL
-8	AN365-1032								Nut - Self locking 250°F	6	ALL
-9	AN960-10								Washer - Plain	4	ALL
-10	NAS221-19								Screw - Brazier head Phillips recess alloy steel 10-32	4	ALL
-11	NAS221-29								Screw - Brazier head Phillips recess alloy steel 10-32	2	ALL
-12	88-13090								Fitting - Wing center section front spar attaching	2	ALL
-13	AN365-428								Nut - Self locking 250°F	2	ALL
-14	AN960-416								Washer - Plain	4	ALL
-15	AN4-13A								Bolt - Aircraft 1/4-28	4	ALL
-16	55-33585								Bracket - Landing gear lock pin control rod outboard bellcrank	4	ALL
	66-13004								Spar Assembly - Wing center section rear	2	ALL
-17	AN365-1032								Nut - Self locking 250°F	1	ALL
-18	AN960-10								Washer - Plain	4	ALL
-19	AN3-5A								Bolt - Aircraft 10-32	4	ALL
-20	AN365-428								Nut - Self locking 250°F	4	ALL
-21	AN960-416								Washer - Plain	4	ALL
-22	AN4-17A								Bolt - Aircraft 1/4-28	4	ALL
-23	AN4-20A								Bolt - Aircraft 1/4-28	2	ALL
-24	88-13020-2								Fitting - Wing center section rear spar attaching	2	ALL
-25	AN365-428								Nut - Self locking 250°F	2	ALL
-26	AN960-416								Washer - Plain	10	ALL
-27	AN4-6A								Bolt - Aircraft 1/4-28	10	ALL
-28	55-13210								Bracket - Wing flap hinge	10	ALL
-29	88-13337								Bracket Assy - Wing center section flap control tube roller LH	5	ALL
-30	88-13337-1								Bracket Assy - Wing center section flap control tube roller RH	4	ALL
-31	AN310-3								Nut - Castellated airframe	4	ALL
-32	AN960-10L								Washer - Plain	1	ALL
-33	AN3-13								Bolt - Aircraft 10-32	1	ALL
-34	55-52635								Roller - Flap control tube guide lower	1	ALL
-35	55-52636								Spacer - Flap control tube guide roller	1	ALL
-36	55-52634								Roller - Flap control tube guide upper	1	ALL
-37	55-52636								Spacer - Flap control tube guide roller	1	ALL
-38	88-13014								Bracket - Wing center section flap control tube roller LH	1	ALL
	88-13014-1								Bracket - Wing center section flap control tube roller RH	1	ALL
	66-13073-20								Frame Assembly - Wing center section cantilever leading edge LH	1	ALL
	66-13073-21								Frame Assembly - Wing center section cantilever leading edge RH	1	ALL
-39	66-13104								Angle - Wing center section front bolting LH	1	ALL
	66-13104-1								Angle - Wing center section front bolting RH	1	ALL
	77-13016								Fitting Instl - Wing center section bolt angle and landing gear attaching (see figure 8 for detail breakdown)	1	ALL
-40	66-13078-1								Plate - Wing center section wheel well fairing outboard LH	NP	ALL
-41	66-13078-2								Plate - Wing center section wheel well fairing outboard RH	1	ALL
-42	77-13006-3								Skin - Wing center section nose lower	1	ALL
-43	168-48070								Fitting - Fuel drop tank pullaway	1	ALL
	168-48068								Fitting - Fuel feed line wing connection	1	Z,Y

NOTE: \* Spare center section wing assembly

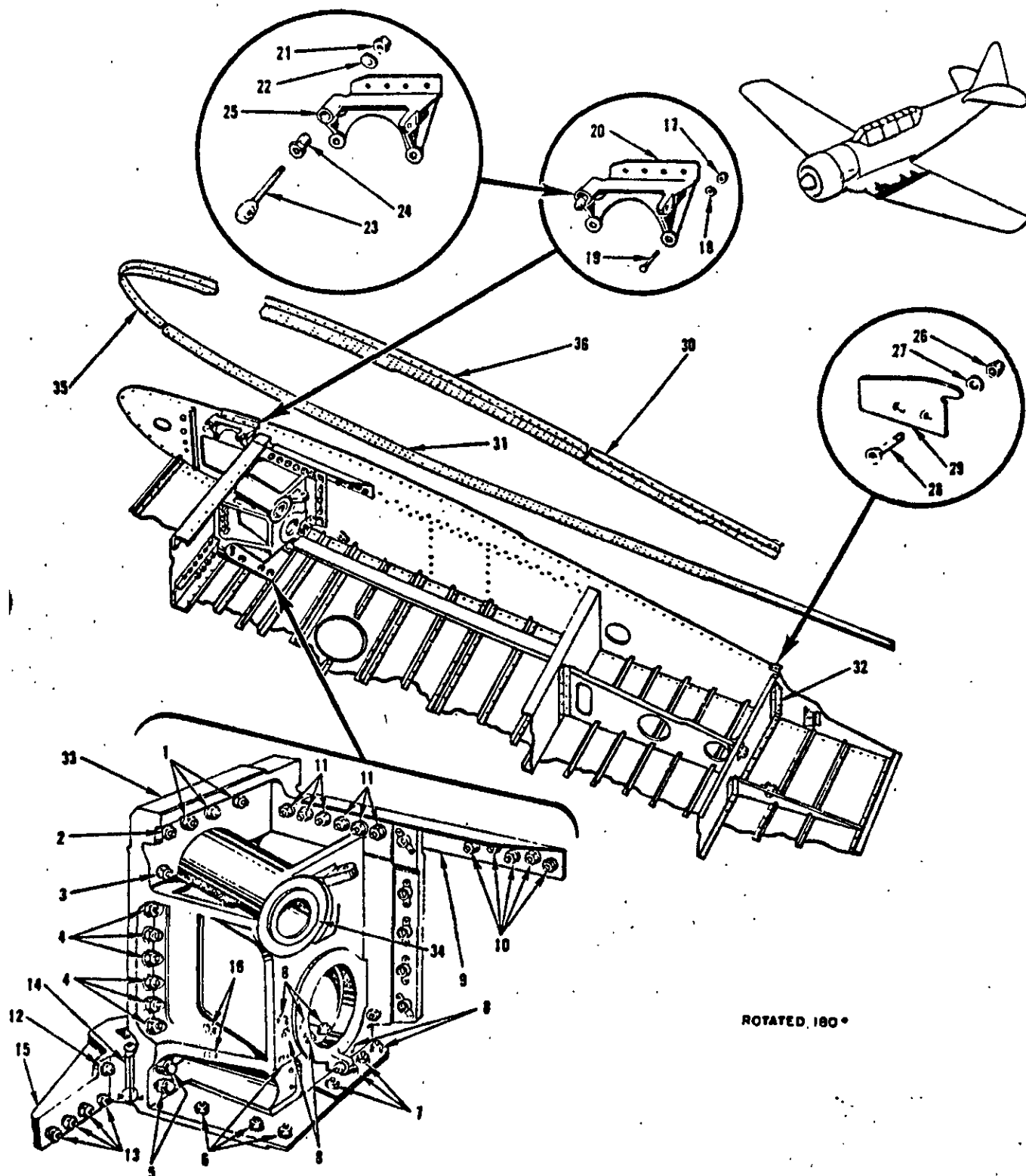
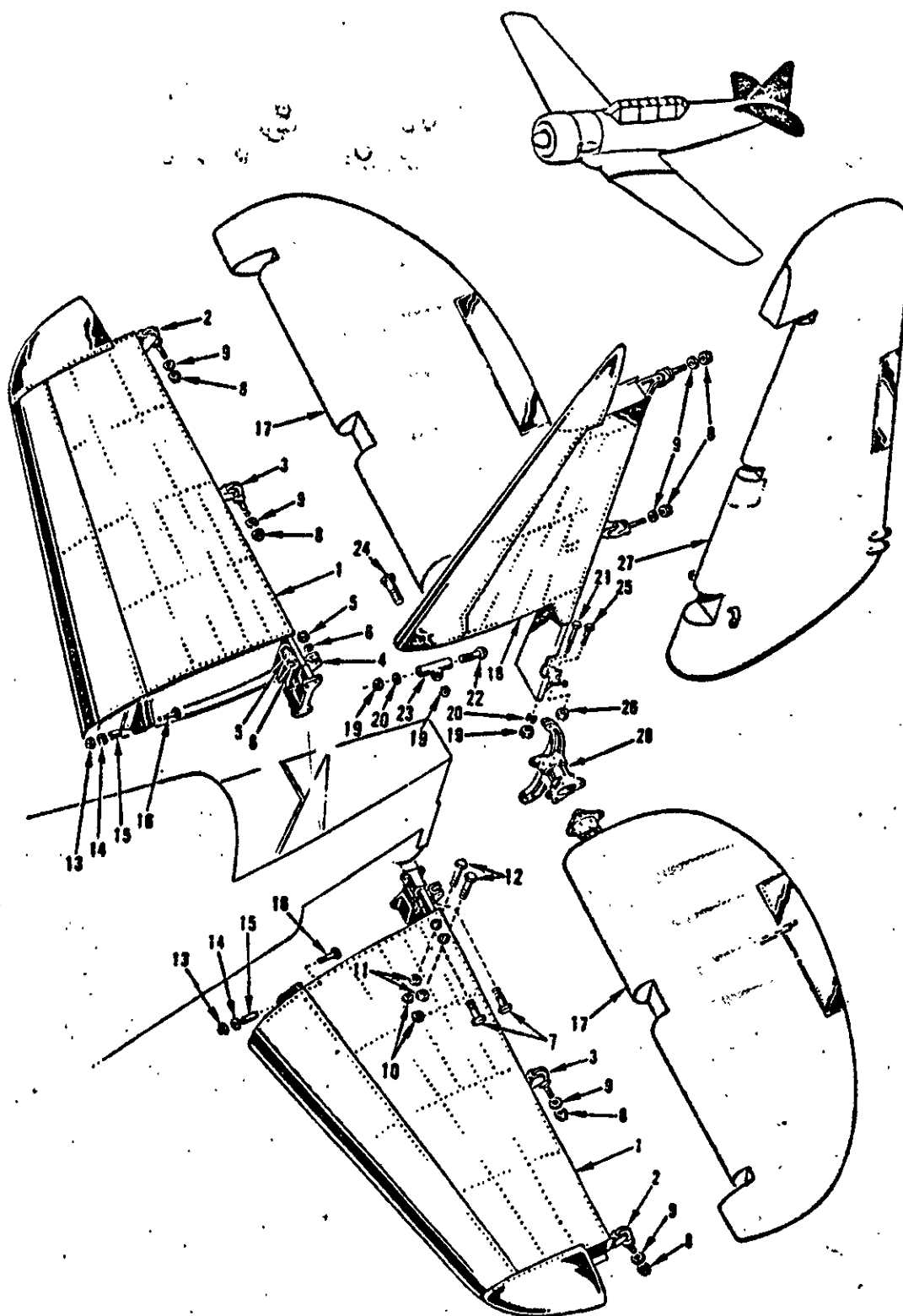


FIGURE 8 - WING CENTER SECTION BOLT ANGLE

## Group Assembly Parts List

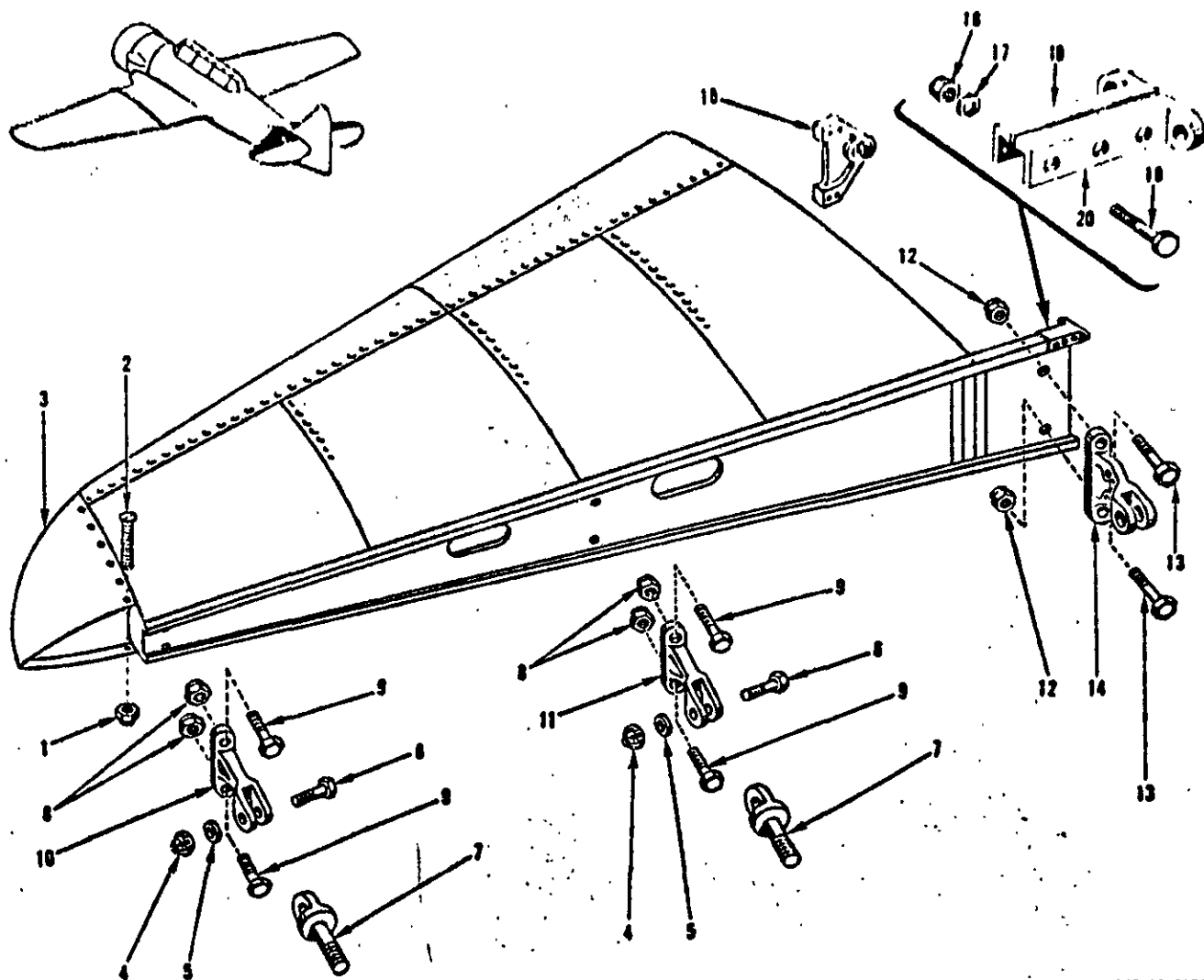
FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									WING (Cont)		
									WING CENTER SECTION BOLT ANGLE AND LANDING GEAR ATTACHING FITTING		
8	77-13016								Fitting Installation - Wing center section bolt angle and landing gear attaching (see figure 7 for next assembly)	NP	ALL
-1	AN365-624								Nut - Self locking 2500P	6	ALL
	AN960-616								Washer - Plain	6	ALL
-2	AN6-12A								Bolt - Aircraft 3/8-24	2	ALL
	AN365-624								Nut - Self locking 2500P	2	ALL
	AN960-616								Washer - Plain	2	ALL
-3	AN6-13A								Bolt - Aircraft 3/8-24	2	ALL
	AN365-624								Nut - Self locking 2500P	2	ALL
	AN960-516								Washer - Plain	2	ALL
-4	AN5-12A								Bolt - Aircraft 5/16-24	2	ALL
	AN365-524								Nut - Self locking 2500P	2	ALL
	AN960-516								Washer - Plain	2	ALL
-5	AN5-7A								Bolt - Aircraft 5/16-24	12	ALL
	66-33536								Bolt - Landing gear and hoist fitting attaching	12	ALL
	36-33568								Washer - Landing gear and hoist fitting attaching bolt	12	ALL
-6	AN365-428								Nut - Self locking 2500P	4	ALL
	AN960-416								Washer - Plain	4	ALL
-7	AN509-8-15								Screw - 100° Flat head structural	8	ALL
	AN365-428								Nut - Self locking 2500P	8	ALL
	AN960-416								Washer - Plain	8	ALL
-8	AN509-8-17								Screw - 100° Flat head structural	6	ALL
	AN365-428								Nut - Self locking 2500P	6	ALL
	AN960-416								Washer - Plain	6	ALL
-9	NAS222-18								Screw - Brazier head Phillips recess alloy steel 1/4-28	18	ALL
	77-13141								Angle - Wing center section end plate stiffener inboard LH	18	ALL
-10	77-13141-1								Angle - Wing center section end plate stiffener inboard RH	1	ALL
	AN365-524								Nut - Self locking 2500P	1	ALL
	AN960-516								Washer - Plain	1	ALL
-11	AN5-6A								Bolt - Aircraft 5/16-24	10	ALL
	AN365-524								Nut - Self locking 2500P	10	ALL
	AN960-516								Washer - Plain	10	ALL
-12	AN5-12A								Bolt - Aircraft 5/16-24	12	ALL
	AN365-428								Nut - Self locking 2500P	12	ALL
	AN960-416								Washer - Plain	12	ALL
-13	AN4-6A								Bolt - Aircraft 1/4-28	2	ALL
	AN365-624								Nut - Self locking 2500P	2	ALL
	AN960-616								Washer - Plain	2	ALL
-14	AN6-11A								Bolt - Aircraft 3/8-24	8	ALL
	AN320-4								Nut - Castle shear	8	ALL
-15	AN24-36								Bolt - Clevis 1/4-28	8	ALL
	44-33534-2								Fitting - Landing gear lock and hoist LH	2	ALL
	44-33534-3								Fitting - Landing gear lock and hoist RH	2	ALL
-16	AN365-624								Nut - Self locking 2500P	1	ALL
	AN960-616								Washer - Plain	1	ALL
	AN6-15A								Bolt - Aircraft 3/8-24	4	ALL
-17	AN365-428								Nut - Self locking 2500P	4	ALL
-18	AN960-416								Washer - Plain	4	ALL
-19	AN4-7A								Bolt - Aircraft 1/4-28	4	ALL
-20	77-33315								Hinge Assembly - Landing gear fairing front LH	4	ALL
	77-33315-1								Hinge Assembly - Landing gear fairing front RH	1	ALL
-21	AN365-428								Nut - Self locking 2500P	1	ALL
-22	2W1C17-24-63								Washer - Plain (NA)	1	ALL
-23	77-33314								Hinge - Landing gear fairing front	1	ALL
-24	77-33316								Nut - Landing gear fairing front hinge adjusting	1	ALL
-25	77-13312								Bracket Assembly - Wing center section landing gear fairing support LH	1	ALL
	77-13312-1								Bracket Assembly - Wing center section landing gear fairing support RH	1	ALL
-26	AN365-1032								Nut - Self locking 2500P	1	ALL
-27	AN960-10L								Washer - Plain	1	ALL
-28	AN509-8-12								Screw - 100° Flat head structural	2	ALL
-29	66-10011								Hook - Wing cover joint LH	2	ALL
-30	66-10011-1								Hook - Wing cover joint RH	1	ALL
	77-13014								Angle - Wing center section lower rear LH bolting	1	ALL
-31	77-13014-1								Angle - Wing center section lower rear RH bolting	1	ALL
	66-13013								Angle - Wing center section upper LH bolting	1	ALL
-32	66-13013-3								Angle - Wing center section upper RH bolting	1	ALL
	55-13211								Angle - Wing center section flap spar and plate attaching LH	1	ALL
-33	55-13211-1								Support Assembly - Landing gear pivot LH	1	ALL
	77-33106								Support Assembly - Landing gear pivot RH	1	ALL
-34	77-33106-1								Pin - Landing gear pivot	1	ALL
-35	36-33112								Angle - Wing center section front bolting LH (see figure 7 for next assembly)	1	ALL
	66-13104								Angle - Wing center section front bolting RH (see figure 7 for next assembly)	Ref	ALL
-36	77-13303								Angle - Wing center section fuel tank cover bolting LH (see figure 6 for next assembly)	Ref	ALL
	77-13303-1								Angle - Wing center section fuel tank cover bolting RH (see figure 6 for next assembly)	Ref	ALL
										Ref	ALL



20-124A

FIGURE 9 - EMPENNAGE

FIGURE 4 INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	USEABLE ON CODE
TAIL EMPENNAGE											
9	77-20001	Empennage Installation (see figure 1 for next assembly) . . . .									NP ALL
-1	84-21001	. Stabilizer Assembly - Horizontal (see figure 10 for detail breakdown) . . . .									2 ALL
-2	88-21019	. . Fitting - Outer hinge support (see figure 10) . . . .									Ref ALL
-3	88-21018	. . Fitting - Center hinge support (see figure 10) . . . .									Ref ALL
-4	88-21044	. . Fitting - Inner hinge support (see figure 10) . . . .									Ref ALL
-5	AN310-5	. Nut - Castellated airframe . . . .									4 A, K1-K50
	AN365-524	. Nut - Self locking 250° F . . . .									4 K, 51-T24-
-6	AN960-516	. Washer - Plain . . . .									8 ALL
-7	AN5-14	. Bolt - Aircraft 5/16-24 . . . .									4 A, K1-K50
	AN5-14A	. Bolt - Aircraft 5/16-24 . . . .									4 K, 51-T24-
-8	AN365-528	. Nut - Castellated airframe . . . .									6 A, K1-K50
	AN365-524	. Nut - Self locking 250° F . . . .									6 K, 51-T24-
-9	2W1-21-22-63	. Washer - Plain (NA) . . . .									12 ALL
-10	AN310-5	. Nut - Castellated airframe . . . .									4 A, K1-K50
	AN365-524	. Nut - Self locking 250° F . . . .									4 K, 51-T24-
-11	AN960-516	. Washer - Plain . . . .									4 ALL
-12	AN5-41	. Bolt - Aircraft 5/16-24 . . . .									4 ALL
-13	AN310-5	. Nut - Castellated airframe . . . .									2 ALL
-14	AN960-516	. Washer - Plain . . . .									2 ALL
-15	23-21026	. Bushing - Horizontal stabilizer front fuselage attaching . . . .									2 ALL
-16	AN5-12	. Bolt - Aircraft 5/16-24 . . . .									2 ALL
-17	66-22001-10	. Elevator Assembly - Covered (see fig. 11 for detail breakdown) . . . .									2 ALL
-18	168-23001	. Stabilizer Assembly - Vertical (modification) (see figure 12 for detail breakdown) . . . .									1 ALL
-19	AN310-5	. Nut - Castellated airframe . . . .									4 ALL
-20	AN960-516	. Washer - Plain . . . .									4 ALL
-21	AN5-40	. Bolt - Aircraft 5/16-24 . . . .									2 ALL
-22	AN5-33	. Bolt - Aircraft 5/16-24 . . . .									1 ALL
-23	55-23023	. Fitting - Vertical stabilizer to fuselage . . . .									1 ALL
-24	AN5-12	. Bolt - Aircraft 5/16-24 . . . .									1 ALL
-25	AN4-14	. Bolt - Aircraft 1/4-28 . . . .									1 ALL
-26	AN310-4	. Nut - Castellated airframe . . . .									1 ALL
-27	168-24001	. Rudder Assembly - Covered (see fig. 13 for detail breakdown) . . . .									1 ALL
-28	88-52205	Horn Assembly - Elevator complete . . . .									Ref



168-21-1138

FIGURE 10 - HORIZONTAL STABILIZER ASSEMBLY

FIGURE 10 PART NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									TAIL (Cont)		
									HORIZONTAL STABILIZER ASSEMBLY		
-1	84-21001								Stabilizer Assembly - Horizontal (see fig. 9 for next assy)	Ref	ALL
-2	AN365-832								Nut - Self locking 250° F	2	ALL
-3	AN515-832-7								Screw - Round head machine coarse thread	12	ALL
-4	55-21024								Tip Assembly - Horizontal stabilizer	1	ALL
-5	AN310-4								Nut - Castellated airframe	2	ALL
-6	AN960-416								Washer - Plain	2	ALL
-7	AN4-12								Bolt - Aircraft 1/4-28	2	ALL
-8	5B14-3								Bolt - Eye	2	ALL
-9	AN365-428								Nut - Self locking 250° F	4	ALL
-10	AN4-10A								Bolt - Aircraft 1/4-28	4	ALL
-11	88-21019								Fitting - Elevator outer hinge support	1	ALL
-12	88-21018								Fitting - Elevator center hinge support	1	ALL
-13	AN365-428								Nut - Self locking 250° F	2	ALL
-14	AN4-16A								Bolt - Aircraft 1/4-28	2	ALL
-15	88-21044								Bracket - Elevator inboard hinge support	1	ALL
-16	55-21020								Fitting Assy - Horizontal stab. fuselage front attachment	1	ALL
-17	77-21003								Spar Assembly - Horizontal stabilizer rear	1	ALL
-18	AN365-524								Nut - Self locking 250° F	3	ALL
-19	AN960-516								Washer - Plain	3	ALL
-20	AN5-15A								Bolt - Aircraft 5/16-24	3	ALL
-21	77-21021-3								Fitting - Horizontal stabilizer rear spar connecting LH	2	ALL
-22	77-21021-4								Fitting - Horizontal stabilizer rear spar connecting RH	2	ALL



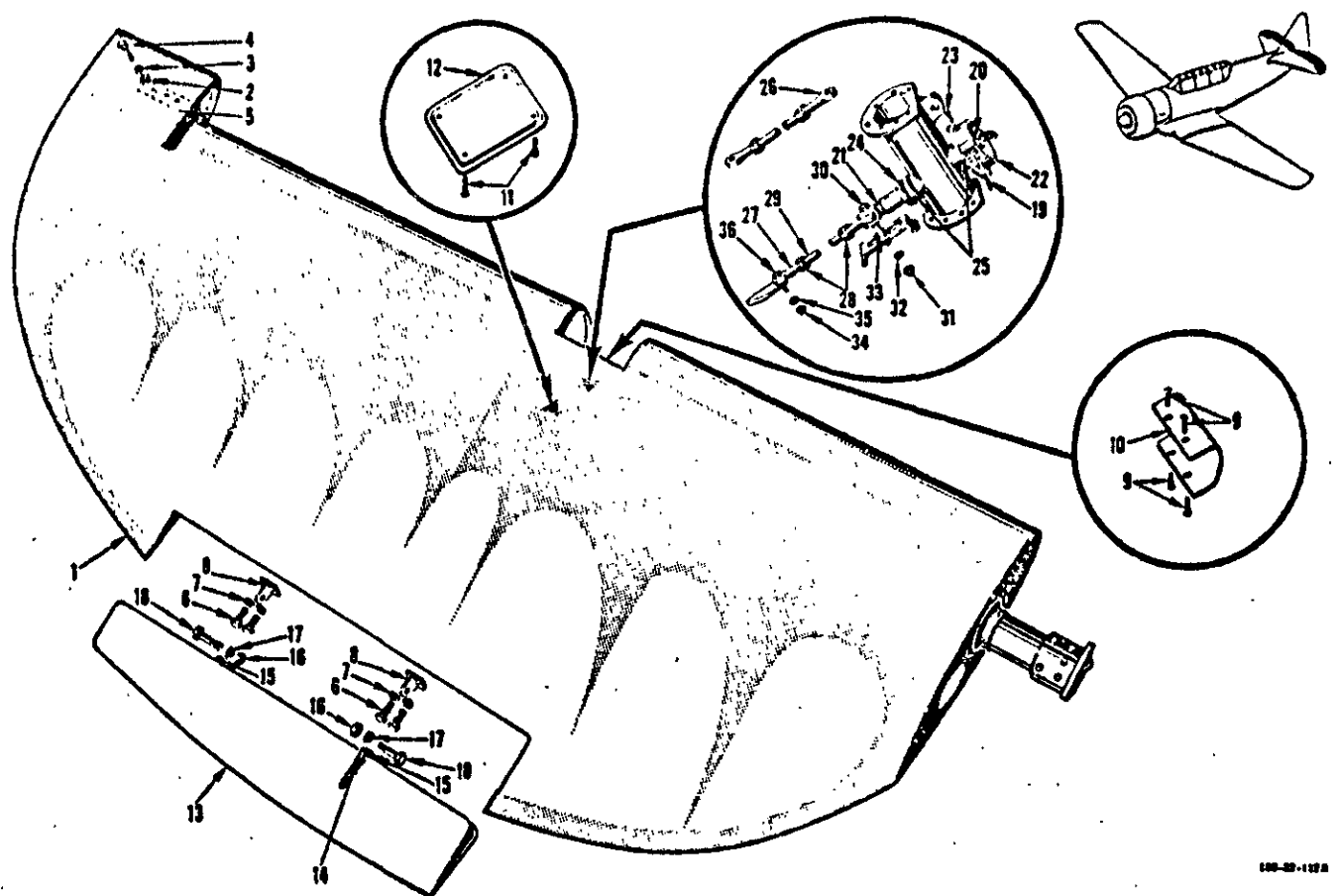


FIGURE 11 - COVERED ELEVATOR ASSEMBLY

FIGURE 8 INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									TAIL (Cont)		
									COVERED ELEVATOR ASSEMBLY		
11	66-22001-10								Elevator Assembly - Covered (see figure 9 for next assembly) . .	Ref	ALL
-1	66-22002-10								Frame Assembly - Elevator . . . . .	1	ALL
-2	AN365-G32								Nut - Self locking 250°P . . . . .	8	ALL
-3	AN960-6								Washer - Plain . . . . .	8	ALL
-4	AN507-632-10								Screw - 100° Flat head machine coarse thread . . . . .	8	ALL
-5	55-22034								Weight - Elevator balance . . . . .	1	ALL
-6	AN3-4A								Bolt - Aircraft 10-32 . . . . .	4	ALL
-7	AN960-10								Washer - Plain . . . . .	4	ALL
-8	55-24018								Support Assembly - Trim tab hinge . . . . .	2	ALL
-9	AN526-8R8								Screw - Truss head coarse thread . . . . .	4	ALL
-10	55-22035								Cover - Elevator center hinge access . . . . .	1	ALL
-11	AN526-8R8								Screw - Truss head coarse thread . . . . .	4	ALL
-12	19-22032								Cover - Tab control access opening . . . . .	1	ALL
-13	55-22028								Tab Assembly - Elevator trim . . . . .	1	ALL
-14	55-24046								Horn - Trim tab . . . . .	1	ALL
-15	55-22037								Hinge Assembly - Trim tab . . . . .	1	ALL
-16	AN310-3								Nut - Castellated airframe . . . . .	2	ALL
-17	AN960-10L								Washer - Plain . . . . .	2	ALL
-18	AN3-6								Bolt - Aircraft 10-32 . . . . .	2	ALL
-19	66-52527								Cable and Drum Assembly - Elevator trim rear . . . . .	1	ALL
-20	66-52527-2								Cable - Elevator trim rear . . . . .	1	ALL
-21	19-52510								Drum Assembly - Control surface trim tab . . . . .	1	ALL
-22	19-52505								Screw - Control surface trim tab operating . . . . .	1	ALL
-23	19-52512								Guard - Trim tab control drum . . . . .	1	ALL
-24	AN515-832-7								Screw - Round head machine coarse thread . . . . .	2	ALL
-25	AN316-12R								Nut - Check . . . . .	2	ALL
-26	19-52508								Washer - Control surface trim tab drum housing . . . . .	2	ALL
-27	55-52535-3								Rod Assembly - Trim tab push . . . . .	1	ALL
-28	RED3-1								Rod End (FAP) . . . . .	2	ALL
-29	AN316-4R								Nut - Check . . . . .	2	ALL
-30	55-52535-5								Rod - Trim tab push . . . . .	1	ALL
-31	AN3-16								Bolt - Aircraft 10-32 . . . . .	1	ALL
-32	AN310-3								Nut - Castellated airframe . . . . .	1	ALL
-33	AN960-10								Washer - Plain . . . . .	1	ALL
-34	4S3-10-23								Spacer - Bolt (NA) . . . . .	1	ALL
-35	AN310-3								Nut - Castellated airframe . . . . .	1	ALL
-36	AN960-10L								Washer - Plain . . . . .	2	ALL
-37	AN3-7								Bolt - Aircraft 10-32 . . . . .	1	ALL

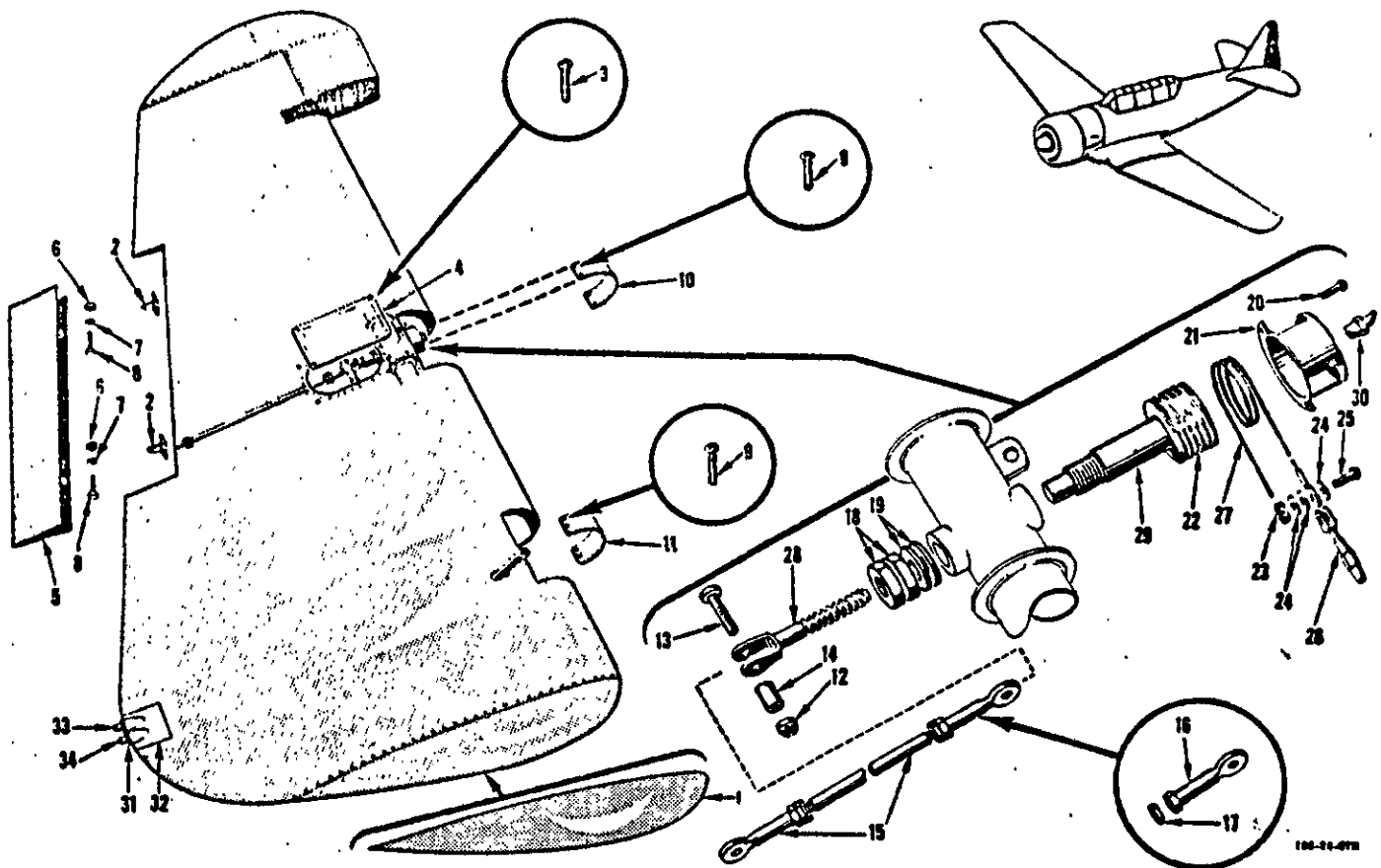
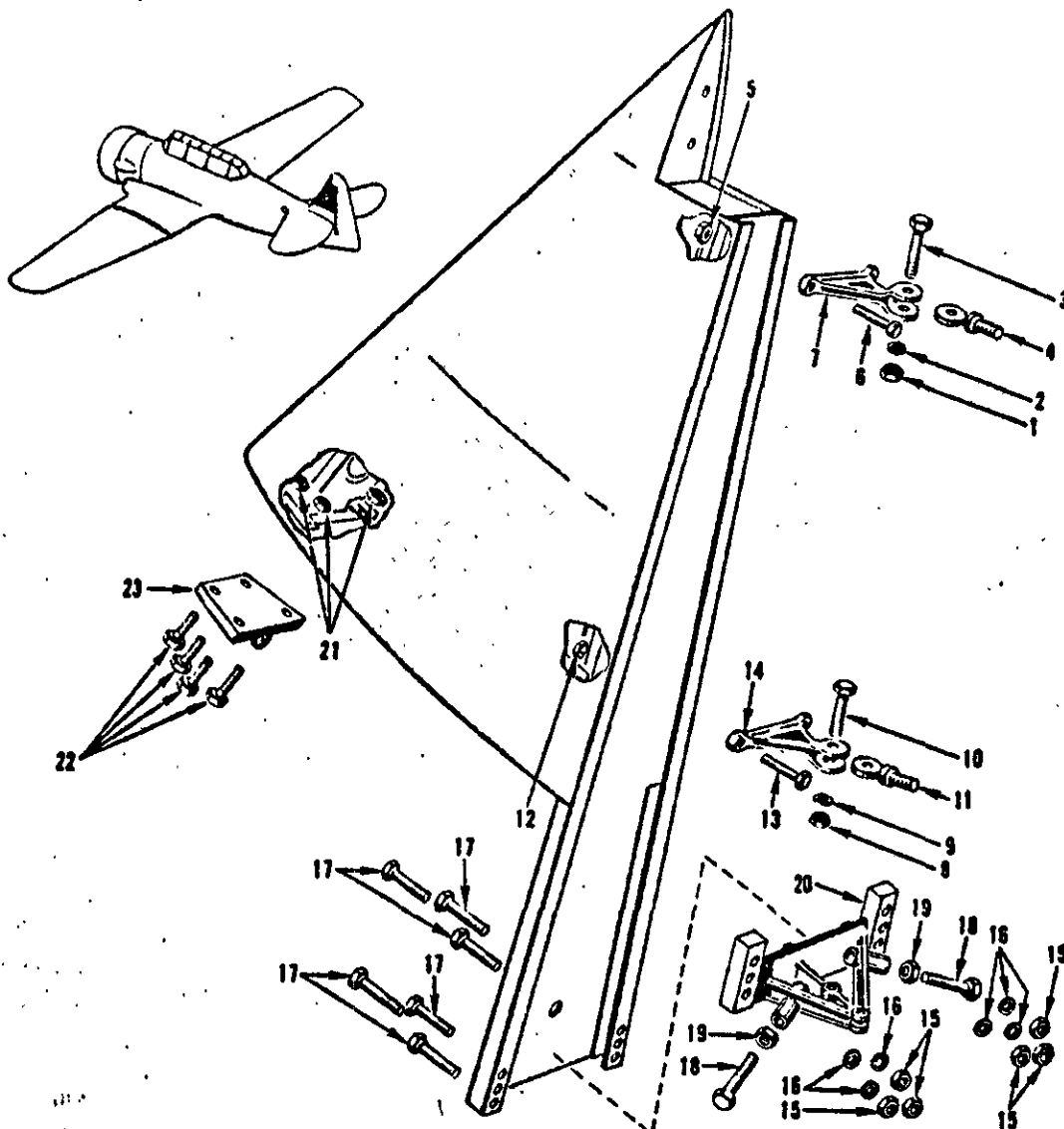


FIGURE 13 - COVERED RUDDER ASSEMBLY

FIGURE 13 RUDDER NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
TAIL (Cont)											
COVERED RUDDER ASSEMBLY											
13	168-24001								Rudder Assembly - Covered (mod) (see figure 9 for next assembly)	Ref	ALL
-1	77-24002								Frame Assembly - Rudder	1	ALL
-2	55-24017								Cap - Rudder frame lower	1	ALL
-3	55-24018								Support Assembly - Trim tab hinge	2	ALL
-4	AN526-8-8								Screw - Truss head	4	ALL
-5	19-22032								Cover - Tab control access opening	1	ALL
-6	55-24036								Tab Assembly - Rudder trim	1	ALL
-7	AN310-3								Nut - Castellated airframe	2	ALL
-8	AN960-10L								Washer - Plain	2	ALL
-9	AN3-6								Bolt - Aircraft 10-32	2	ALL
-10	AN315-8R8								Screw - Sheet metal round head	8	ALL
-11	55-24040								Cover - Rudder center hinge opening	1	ALL
-12	55-24039								Cover - Rudder lower hinge opening	1	ALL
-13	AN310-3								Nut - Castellated airframe	1	ALL
-14	AN3-16								Bolt - Aircraft 10-32	1	ALL
-15	483-10-25								Spacer - Bolt (NA)	1	ALL
-16	55-52535-2								Rod Assembly - Trim tab push	1	ALL
-17	REB3-1								Rod End (FAP)	2	ALL
-18	AN316-4R								Nut - Check	2	ALL
-19	AN316-12R								Nut - Check	2	ALL
-20	19-52508								Washer - Control surface trim tab drum housing	2	ALL
-21	AN515-832-7								Screw - Round head machine coarse thread	2	ALL
-22	19-52512								Guard - Trim tab control	1	ALL
-23	66-52538								Cable and Drum Assembly - Rudder trim rear	1	ALL
-24	AN320-3								Nut - Castle shear	1	ALL
-25	AN960-10L								Washer - Plain	1	ALL
-26	AN23-10								Bolt - Clevis 10-32	1	ALL
-27	AN161-16LS								Fork - Turnbuckle	1	ALL
-28	66-52538-2								Cable Assembly - Rudder trim rear	1	ALL
-29	19-52505								Screw - Control surface trim tab operating	1	ALL
-30	19-52510								Drum Assembly - Control surface trim tab	1	ALL
-31	AN286-3								Fitting - Lubricator pressure grip type PT	1	ALL
-32	B3457								Mounting - Tail light (GMC)	2	ALL
-33	168-24003-3								Panel - Rudder tail light	1	ALL
-34	168-24003-4								Panel - Rudder tail light	1	ALL
-35	AN3158-2								Light Assy - Tail position (yellow)	1	ALL
-36	AN3158-1								Light Assy - Tail position (white)	1	ALL



100-23-76

FIGURE - 12 VERTICAL STABILIZER ASSEMBLY

FIGURE & WHEEL NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
TAIL (Cont)											
VERTICAL STABILIZER ASSEMBLY											
12	168-23001								Stabilizer Assembly - Vertical (see figure 9 for next assy).	Ref	ALL
-1	AN310-4								• Nut - Castellated airframe	1	ALL
-2	AN960-416								• Washer - Plain	1	ALL
-3	AN4-12								• Bolt - Aircraft 1/4-28	1	ALL
-4	121-21027								• Bolt - Eye	1	ALL
-5	AN365-428								• Nut - Self locking	1	ALL
-6	AN4-7A								• Bolt - Aircraft 1/4-28	2	ALL
-7	88-23012								• Fitting - Rudder upper hinge support	1	ALL
-8	AN310-4								• Nut - Castellated airframe	1	ALL
-9	AN960-416								• Washer - Plain	1	ALL
-10	AN4-12								• Bolt - Aircraft 1/4-28	1	ALL
-11	121-21027								• Bolt - Eye	1	ALL
-12	AN365-428								• Nut - Self locking	1	ALL
-13	AN4-7A								• Bolt - Aircraft 1/4-28	2	ALL
-14	88-23013								• Fitting - Rudder center hinge support	1	ALL
-15	AN365-1032								• Nut - Self locking	6	ALL
-16	AN960-10								• Washer - Plain	6	ALL
-17	AN3-13A								• Bolt - Aircraft 10-32	6	ALL
-18	5B3-7								• Bolt - Adjustment	2	ALL
-19	AN316-5R								• Nut - Check	2	ALL
-20	121-23014								• Fitting - Rudder lower hinge support	1	ALL
-21	AN365-1032								• Nut - Self locking	4	ALL
-22	AN3-4A								• Bolt - Aircraft 10-32	4	ALL
-23	55-23022								• Channel Assembly - Vertical stabilizer fus front attaching	1	ALL

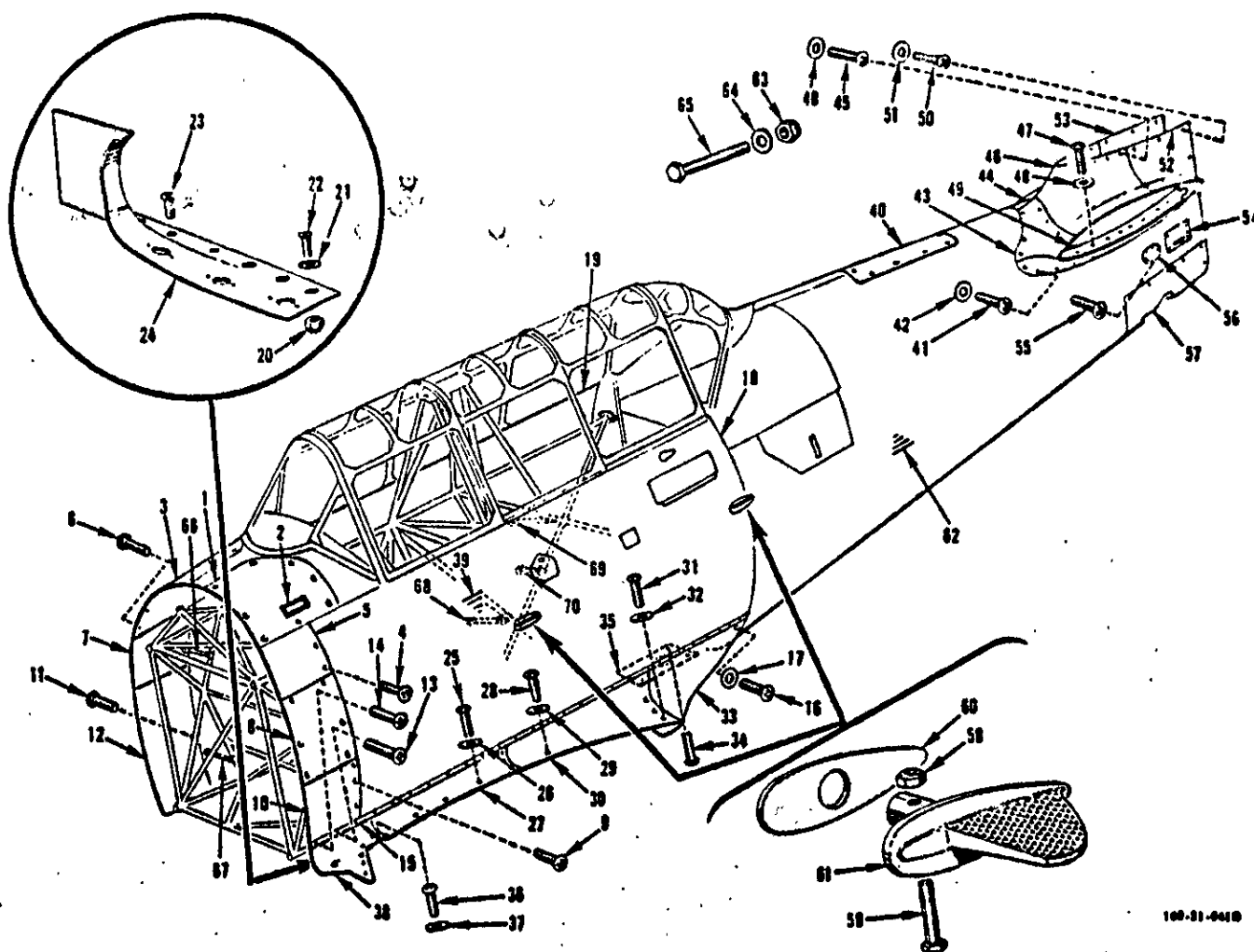
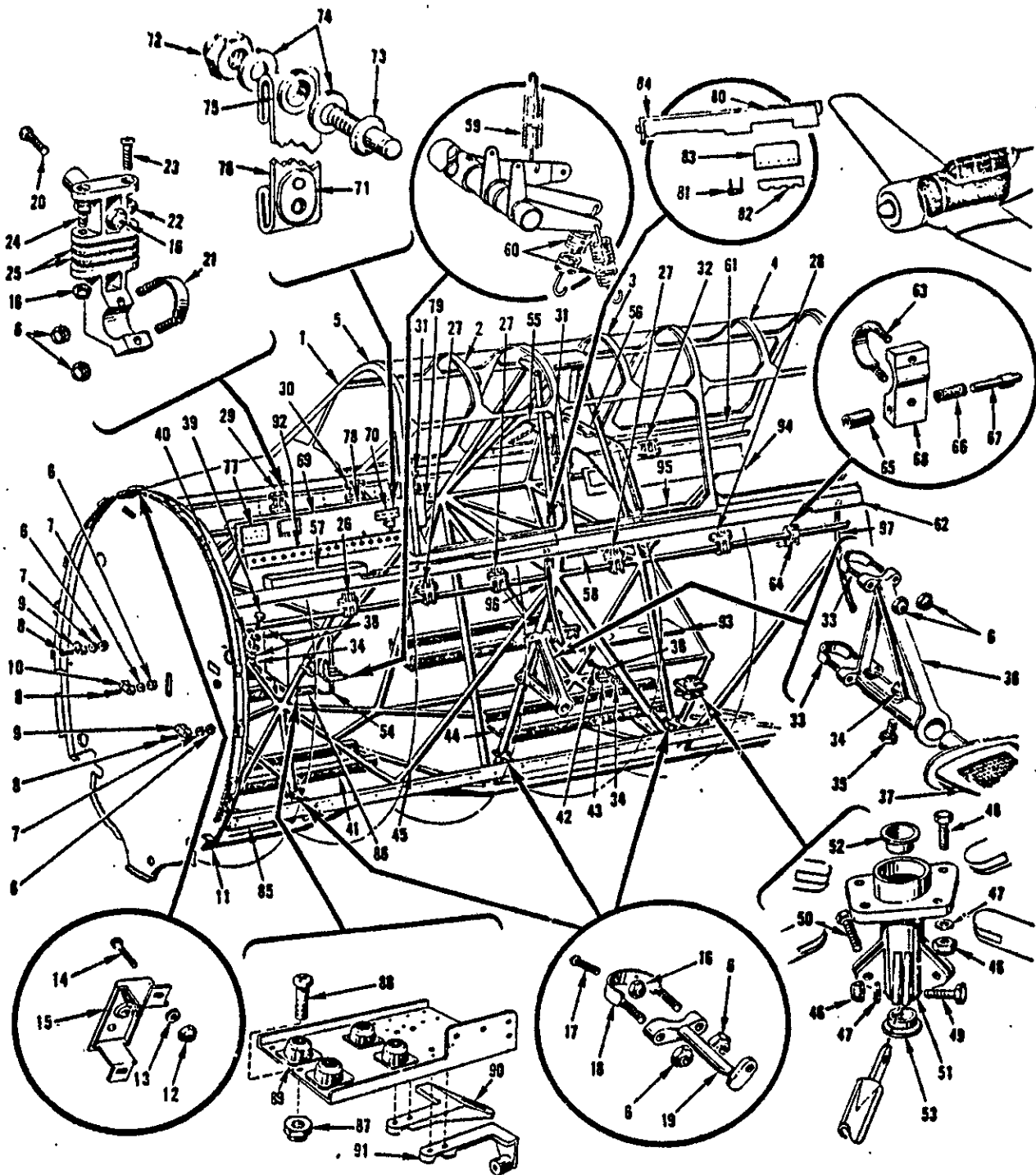


FIGURE 14 - COMPLETE FUSELAGE ASSEMBLY

FIGURE 14 INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE COMPLETE FUSELAGE ASSEMBLY											
14	168-31001								Fuselage Assembly - Complete (mod) (see fig. 1 for next assy)	Ref	ALL
-1	77-31075								Door Assembly - Fuselage firewall to windshield LH	1	ALL
-2	55-31272								Door Assembly - Fuselage hand grip LH	1	ALL
-3	168-31007								Cover Assembly - Fuselage firewall to windshield RH	1	ALL
-4	AN515-8R8								Screw - Round head machine coarse thread	2	ALL
-5	77-31032								Fairing Assembly - Fuselage firewall upper left side	1	ALL
-6	AN515-8R8								Screw - Round head machine coarse thread	9	ALL
-7	77-31035								Fairing Assembly - Fuselage firewall upper right side	1	ALL
-8	77-31033								Cover Assembly - Fuselage main fuselage box left side	1	ALL
-9	AN515-8R8								Screw - Round head machine coarse thread	3	ALL
-10	77-31034								Fairing Assembly - Fuselage firewall lower left side	1	ALL
-11	AN515-8R8								Screw - Round head machine coarse thread	3	ALL
-12	168-31008								Fairing Assembly - Fuselage firewall lower right side	1	ALL
-13	AN507-832R10								Screw - 100° Flat head machine coarse thread	2	ALL
-14	AN515-8R8								Screw - Round head machine coarse thread	56	ALL
-15	66-31445								Strip - Fuselage fairing lower attaching channel	2	ALL
-16	AN515-8R8								Screw - Round head machine coarse thread	AR	ALL
	AN515-8R9								Screw - Round head machine coarse thread	AR	ALL
	AN515-8R10								Screw - Round head machine coarse thread	AR	ALL
	AN515-8R12								Screw - Round head machine coarse thread	AR	ALL
-17	2W1-11-20-32								Washer - Plain (NA)	15	ALL
-18	168-31050								Panel Assembly - Fus left side fairing (mod) (see fig. 18 for detail breakdown)	1	A,K,U
-19	168-31051-100								Panel Assembly - Fus right side fairing (mod) (supersedes 168-31051) (see fig. 18 for detail breakdown)	1	Z,K,U

FIGURE A INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									FUSELAGE (Cont)		
									COMPLETE FUSELAGE ASSEMBLY (Cont)		
14-20	1778M1								Nut - Flat head type speed (TIN)	14	ALL
-21	2W4								Washer (NA)	6	ALL
-22	AN515-8R8								Screw - Round head machine coarse thread	6	ALL
-23	AN515-8R8								Screw - Round head machine coarse thread	8	ALL
-24	66-31080								Bulkhead Assy - Wing to fuselage front fillet LH	1	ALL
	66-31080-1								Bulkhead Assy - Wing to fuselage front fillet RH	1	ALL
-25	AN515-8R8								Screw - Round head machine coarse thread	8	ALL
-26	2W1AL11-20-32								Washer - Plain (NA)	16	ALL
-27	66-10006								Fillet Assy - Wing to fuselage intermediate front LH	1	ALL
	66-10006-1								Fillet Assy - Wing to fuselage intermediate front RH	1	ALL
-28	AN515-8R8								Screw - Round head machine coarse thread	8	ALL
	AN515-8R10								Screw - Round head machine coarse thread	6	ALL
-29	2W1AL11-20-32								Washer - Plain (NA)	2	ALL
-30	66-10004								Fillet - Wing to fuselage intermediate rear LH	16	ALL
	66-10004-1								Fillet - Wing to fuselage intermediate rear RH	1	ALL
-31	AN515-8R8								Screw - Round head machine coarse thread	1	ALL
	AN515-8R10								Screw - Round head machine coarse thread	4	ALL
-32	2W1AL11-20-32								Washer - Plain (NA)	2	ALL
-33	66-10005-8								Fillet Assy - Wing to fuselage rear (less battery accumulator access cover LH)	6	ALL
	66-10005-10								Fillet Assy - Wing to fuselage rear (with battery accumulator access cover LH)	1	ALL
	66-10005-9								Fillet Assy - Wing to fuselage rear RH	1	ALL
-34	AN515-8R8								Screw - Round head machine coarse thread	1	ALL
	AN515-8R10								Screw - Round head machine coarse thread	2	ALL
-35	77-10007								Pairing Assy - Wing to fuselage station 6 lower LH	2	ALL
	77-10007-10								Pairing Assy - Wing to fuselage station 6 lower RH	1	ALL
-36	AN515-8R8								Screw - Round head machine coarse thread	1	ALL
-37	2W1AL12-20-32								Washer - Plain (NA)	4	ALL
-38	66-10003								Fillet - Wing to fuselage front LH	4	ALL
	66-10003-1								Fillet - Wing to fuselage front RH	1	ALL
-39	168-31105								Fuselage Assy - Fwd (mod) (see figure 15 for breakdown)	1	ALL
-40	55-31238								Cover Assy - Fuselage rear section body access	1	ALL
-41	AN515-8R8								Screw - Round head machine coarse thread	1	ALL
-42	2W1AL11-24-32								Washer - Plain (NA)	31	ALL
-43	55-20002								Fillet Assembly - Horizontal stabilizer left front	31	ALL
-44	55-20009								Fillet Assembly - Horizontal stabilizer right front	1	ALL
-45	AN515-8R10								Screw - Round head machine coarse thread	1	ALL
	AN515-8R8								Screw - Round head machine coarse thread	3	ALL
	AN515-8R8								Screw - Round head machine coarse thread	9	ALL
-46	55-20003-6								Fillet Assembly - Vertical stabilizer to fuselage	12	ALL
-47	AN515-8-10								Screw - Round head machine coarse thread	1	ALL
-48	2W1AL11-24-32								Washer - Plain (NA)	22	ALL
-49	55-20004								Fillet - Horizontal stabilizer intermediate lower LH	22	ALL
	55-20004-1								Fillet - Horizontal stabilizer intermediate lower RH	1	ALL
-50	AN515-8R8								Screw - Round head machine coarse thread	1	ALL
	AN515-8R10								Screw - Round head machine coarse thread	10	ALL
-51	2W1AL11-24-32								Washer - Plain (NA)	6	ALL
-52	55-20005								Fillet - Horizontal stabilizer left rear	16	ALL
-53	55-20008-4								Fillet Assembly - Horizontal stabilizer right rear	1	ALL
-54	55-31045								Cover Assembly - Fuselage rear section 7 to 8 access LH	1	ALL
	55-31045-1								Cover Assembly - Fuselage rear section 7 to 8 access RH	1	ALL
-55	AN515-8R8								Screw - Round head machine coarse thread	1	ALL
-56	55-31097								Cover - Fuselage rear section 6 to 7 access hole	6	ALL
-57	55-31061								Cowling Assembly - Fuselage tail wheel cutout LH	1	ALL
	55-31061-7								Cowling Assembly - Fuselage tail wheel cutout RH	1	ALL
-58	AN365-1032								Nut - Self locking 250°F	1	ALL
-59	AN3-20A								Bolt - Aircraft 10-32	2	ALL
-60	52-31248								Strip - Cockpit step to fuselage side panel abrasion	2	ALL
-61	168-31220								Step - Cockpit	2	ALL
-62	168-31106								Frame Assy - Fus rear sect. covered (mod) (superseded by & is interchangeable with 168-31706) (see fig.17 for breakdown)	1	ALL
	168-31106-100								Frame Assy - Fus rear sect. covered (mod) (superseded by & is interchangeable with 168-31706-100) (see fig.17)	1	A
	168-31106-200								Frame Assy - Fus rear sect. covered (mod) (superseded by & is interchangeable with 168-31706) (see fig.17 for breakdown)	1	Z
	168-31706								Frame Assy - Fus rear sect. covered (see fig.17) (superseded & is interchangeable with 168-31106)	1	K,U
	168-31706-100								Frame Assy - Fus rear sect. covered (see fig.17) (superseded & is interchangeable with 168-31106-100)	1	A,K,U
-63	AN310-5								Nut - Castellated airframe	1	Z
-64	AN960-516								Washer - Plain	8	ALL
	AN960-616								Washer - Plain	8	ALL
-65	AN5-26								Bolt - Aircraft 5/16-24	8	ALL
	AN5-11								Bolt - Aircraft 5/16-24	4	ALL
	AN5-13								Bolt - Aircraft 5/16-24	2	ALL
-66	168-31055								Brace Assy - Fus sta 10 5/8 RH side reinforcing upper	2	ALL
-67	168-31056								Brace Assy - Fus sta 10 5/8 RH side reinforcing lower	1	ALL
-68	168-31053								Brace Assy - Fus sta 76 RH side reinforcing	1	A1-A85
-69	168-31052								Brace Assy - Fus sta 96 1/2 RH side reinforcing	1	A1-A85
-70	168-31054								Brace Assy - Fus sta 84 3/8 RH side reinforcing	1	A1-A85



100-31-0422

FIGURE 15 - FORWARD FUSELAGE ASSEMBLY

Revised 1 May 1952

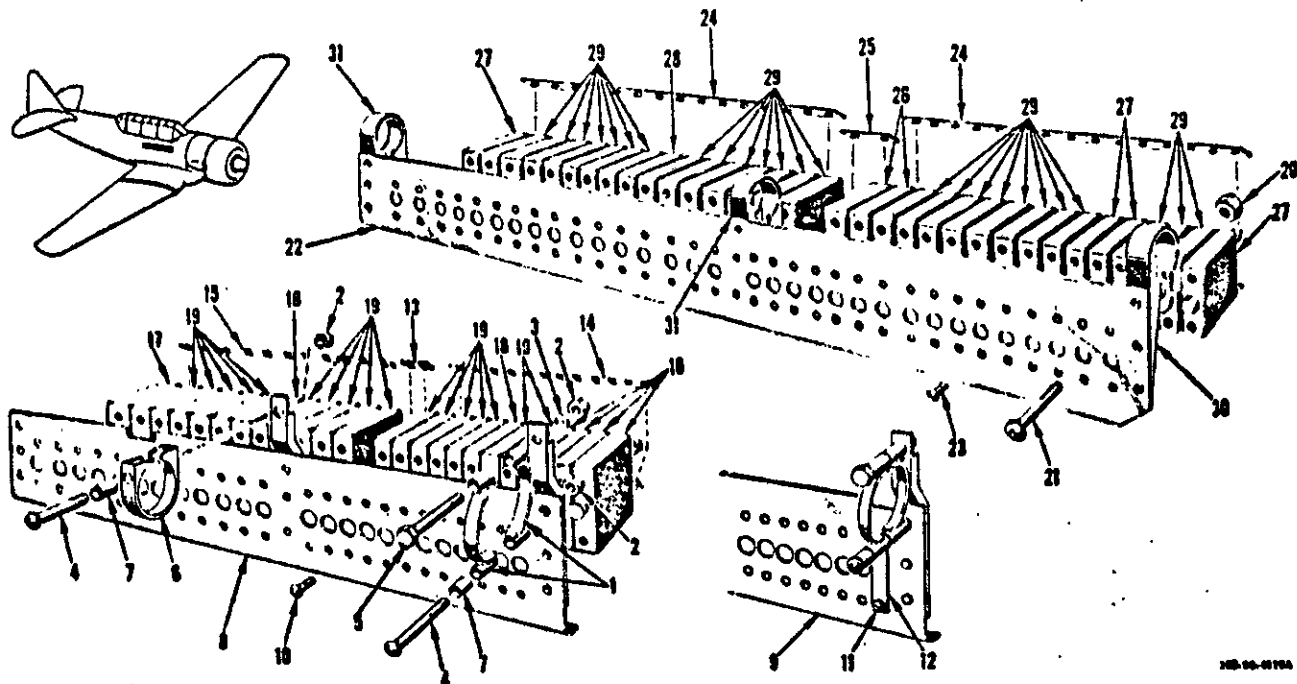
FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)											
FORWARD FUSELAGE ASSEMBLY											
15	168-31105	Fuselage Assy - Forward (mod) (see figure 14 for next assembly)									Ref ALL
-1	168-31826	Windshield Assembly - Cockpit enclosure (modification) (see figure 16 for detail breakdown)									1 A,K,U
	168-31826 10	Windshield Assembly - Cockpit enclosure (modification) (see figure 16 for detail breakdown)									1 Z
-2	168 31827	Panel Assembly - Cockpit enclosure forward (see figure 16 for detail breakdown)									1 ALL
-3	168-31828	Panel Assembly - Cockpit enclosure fixed (see figure 16 for detail breakdown)									1 ALL
-4	168-31829	Panel Assembly - Cockpit enclosure aft (see figure 16 for detail breakdown)									1 ALL
-5	88-31801	Enclosure Installation - Cockpit (see figure 16 for detail breakdown)									1 ALL
-6	AN365-428	Nut - Self locking 250° F									NP ALL
-7	AN960-416	Washer - Plain									38 ALL
-8	AN4-17A	Bolt - Aircraft 1/4-28									4 ALL
-9	19-53506	Bracket - Shelf support									4 ALL
-10	5C1	Clamp (NA)									2 ALL
-11	168-31104	Firewall Assembly - Fuselage (modification)									2 ALL
-12	AN365-1032	Nut - Self locking 250° F									1 ALL
-13	AN960B10	Washer - Plain									20 ALL
-14	AN520N10-8	Screw - Round head machine fine thread									20 ALL
-15	1D4	Bracket - Fastener (NA)									10 ALL
-16	AN365-832	Nut - Self locking 250° F									32 ALL
-17	AN509-832-10	Screw - 100° flat head structural									2 ALL
-18	5B6-20	Bolt - U (NA)									2 ALL
-19	55-31195-2	Bracket - Fuselage station 2 and 5 fairing support LH									2 ALL
	55-31195-3	Bracket - Fuselage station 2 and 5 fairing support RH									2 ALL
	55-31196-2	Bracket - Fuselage station 4 fairing support LH									1 ALL
	55-31196-3	Bracket - Fuselage station 4 fairing support RH									1 ALL
-20	AN515-832 11	Screw - Round head machine coarse thread									10 ALL
-21	5B6-18	Bolt - U (NA)									10 ALL
-22	AN365-1032	Nut - Self locking 250° F									20 ALL
-23	AN515-8-28	Screw - Round head machine coarse thread									20 ALL
-24	AN3-10A	Bolt - Aircraft 10-32									20 ALL
-25	88-31187	Shim - Fus cockpit enclosure track support channel bracket									10 ALL
-26	88-31494-5	Bracket - Fus cockpit enclosure track support channel upper									1 ALL
	88-31493-3	Bracket - Fus cockpit enclosure track support channel lower									1 ALL
-27	88-31494-3	Bracket - Fus cockpit enclosure track support channel upper									3 ALL
	88-31493-3	Bracket - Fus cockpit enclosure track support channel lower									3 ALL
-28	88-31494	Bracket - Fus cockpit enclosure track support channel upper									1 ALL
	88-31493 2	Bracket - Fus cockpit enclosure track support channel lower									1 ALL
-29	88-31494-6	Bracket - Fus cockpit enclosure track support channel upper									1 ALL
	88-31493-2	Bracket - Fus cockpit enclosure track support channel lower									1 ALL
-30	88-31494-4	Bracket - Fus cockpit enclosure track support channel upper									1 ALL
	88-31493-2	Bracket - Fus cockpit enclosure track support channel lower									1 ALL
-31	88-31494-3	Bracket - Fus cockpit enclosure track support channel upper									2 ALL
	88-31493-2	Bracket - Fus cockpit enclosure track support channel lower									1 ALL
-32	88-31494-2	Bracket - Fus cockpit enclosure track support channel upper									1 ALL
	88-31493-2	Bracket - Fus cockpit enclosure track support channel lower									1 ALL
-33	5D6-24	Bolt - U (NA)									2 ALL
-34	AN365-1032	Nut - Self locking 250° F									13 ALL
-35	AN3-20A	Bolt - Aircraft 10-32									1 ALL
-36	36-31221	Bracket - Fuselage front cockpit step									1 ALL
-37	168-31220	Step - Cockpit									Ref ALL
-38	2W1-13-20-40	Washer - Plain (NA)									12 ALL
-39	AN3-14A	Bolt - Aircraft 10-32									4 ALL
-40	Q901-16	Clip - Plain 1/4 screw (CAC)									1 ALL
-41	36-31233	Floor Assembly - Front cockpit LH									1 ALL
	36-31233-1	Floor Assembly - Front cockpit RH									1 ALL
-42	AN3-13A	Bolt - Aircraft 10-32									8 ALL
-43	Q901-14	Clip - Plain 3/16 screw (CAC)									8 ALL
-44	121-31234	Floor Assembly - Rear cockpit LH									1 ALL
	121-31234-1	Floor Assembly - Rear cockpit RH									1 ALL
-45	88-31105	Frame Assembly - Fuselage front									1 ALL
-46	AN365-524	Nut - Self locking 250° F									8 ALL
-47	AN960-516	Washer - Plain									8 ALL
-48	AN5-11A	Bolt - Aircraft 5/16-24									4 ALL
-49	AN5-13A	Bolt - Aircraft 5/16-24									2 ALL
-50	AN5-14A	Bolt - Aircraft 5/16-24									2 ALL
-51	55-53101	Housing Assembly - Observer's seat axle									1 ALL
-52	55-53074	Bearing - Observer's axle housing upper									1 ALL
-53	F1202-3	Bearing (CG)									1 ALL
-54	168-33523	Box Assembly - Alighting gear position indicator complete (see figure 51 for detail breakdown)									1 A,K,U
	168-33523-10	Box Assembly - Alighting gear position indicator complete (see figure 51 for detail breakdown)									1 Z
-55	168-31846	Shroud Assembly - Rear cockpit instrument panel									1 ALL
-56	168-31846-5	Cushion - Rear cockpit instrument panel shroud									1 ALL
-57	168-54005	Console Assembly - Elec and radio front cockpit (see fig. 43)									1 A1-A15
	168-54005-10	Console Assembly - Elec and radio front cockpit (see fig. 43)									1 A16-A85
	168-54005-20	Console Assembly - Elec and radio front cockpit (see fig. 43)									1 A85-D30

## Group Assembly Parts List

AN 01-608FA-4

FIGURE & WHEEL NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	USEABLE ON CODE
FUSELAGE (Cont)											
FORWARD FUSELAGE ASSEMBLY (Cont)											
15	168-54005-30								Console Assy - Elec and radio front cockpit (see fig. 43)	1	D31-J57
	182-54063								Console Assy - Elec and radio front cockpit (see figure 15B for detail breakdown)	1	K,U
	168-54063								Console Assy - Elec and radio front cockpit (see figure 15B for detail breakdown)	1	Z
-58	168-54006								Console Assy - Elec and radio front cockpit (see fig. 43)	1	A1-A85
	168-54005-10								Console Assy - Elec and radio cockpit (see fig. 43)	1	A86-J57
	168-54064								Console Assy - Elec and radio rear cockpit (see fig. 15B for detail breakdown)	1	Z
	168-54065-10								Console Assy - Elec and radio rear cockpit (see fig. 15B for detail breakdown)	1	K,U
-59	36-33531								Spring - Landing gear and flap position indicator arm	1	ALL
-60	19-33449								Spring - Brake cable	2	ALL
-61	77-31209-10								Channel Assy - Fuselage cockpit enclosure track support LH	1	ALL
-62	77-31209-11								Channel Assy - Fuselage cockpit enclosure track support RH	1	ALL
-63	5B6-18								Bolt - U (NA)	1	ALL
-64	59-73029								Bracket Assy - Instrument flying hood pivot arm support	2	ALL
-65	49-65024								Handle - Lock pin	1	ALL
-66	21-43083								Spring - Compression	1	ALL
-67	49-53025								Pin - Fuselage ballast weights stop	1	ALL
-68	59-73036								Bracket - Instrument flying hood pivot arm support	1	ALL
-69	168-31123								Strip Assembly - Fuselage front cockpit right trim	1	A
	168-31123-10								Strip Assembly - Fuselage front cockpit right trim	1	Z
	182-31123								Strip Assembly - Fuselage front cockpit right trim	1	K1-L31
	182-31223								Strip Assembly - Fuselage front cockpit right trim	1	L31-T24
-70	168-71044								Clip Assembly - Radio headset microphone cord stowage	1	A,Z
	182-71025								Strap Assembly - Radio headset microphone cord stowage	1	K,U
-71	AN227-1L								Fastener - Snap and curtain	1	K,U
-72	AN363-632								Nut - Self locking 550° F	1	K,U
-73	AN227-4-9								Stud - Snap and curtain	1	K,U
-74	AN960D8								Washer - Plain	1	K,U
-75	AN230D10								Grommet - Metallic plain and spar with washers	1	K,U
-76	182-71025-3								Webbing - Radio microphone cord stowage	1	K,U
-77	168-53029								List - Pilot's check	1	A16-
-78	168-31121-1								Channel Assembly - Cockpit drain	1	Z,K,U
-79	3H2L								Hose (NA) (approximately 3 feet)	2	Z,K,U
	AN737-22								Clamp - Hose	4	Z,K,U
-80	168-43031								Engine Control Installation (modification) (see figure 70)	NP	ALL
	168-31122								Strip Assembly - Fuselage front cockpit left trim (mod)	1	A,K,U
	168-31122-10								Strip Assembly - Fuselage front cockpit left trim (mod)	1	Z
-81	55-31053								Spring - Fuselage parachute flare door hinge	1	ALL
-82	55-53147								Hinge Assembly - Pilot's armrest	1	ALL
-83	55-53146								Armrest - Pilot's	1	ALL
-84	168-31121-2								Channel Assembly - Cockpit drain	1	ALL
-85	64-31207-8								Channel Assembly - Fuselage fairing lower attaching LH	1	Z
	64-31207-9								Channel Assembly - Fuselage fairing lower attaching RH	1	ALL
-86	182-71027								Shelf Assembly - C2 flasher and interphone amplifier	1	K,U
ATTACHING PARTS											
-87	AN365-832								Nut - Self locking 250° F	4	K,U
-88	AN515-8R7								Screw - Machine round head coarse thread	4	K,U
-89	AN8008D25								Insulator - Vibration	4	K,U
-90	168-48035								Support - Fuel primer pump	1	K,U
-91	168-33406								Support - Parking brake handle	1	K,U
-92	182-54026								Panel Assembly - Electrical circuit breakers (see figure 15A for detail breakdown)	1	K,U
	168-54082								Panel Assembly - Electrical circuit breakers (see figure 15A for detail breakdown)	1	Z
-93	168-71082								Shelf Assembly - Radio transmitter	1	Z
	182-71026								Shelf - Receiver AN/ARC3	1	K,U
-94	168-31125								Strip Assembly - Fuselage rear cockpit right trim	1	ALL
	168-31121-4								Channel Assembly - Cockpit drain	1	Z
-95	168-31124								Strip - Fuselage rear cockpit left trim	1	ALL
	168-31121-3								Channel Assembly - Cockpit drain	1	Z,K,U
-96	168-31117-7								Tube - Cockpit drain LH forward	1	Z,K,U
	168-31117-3								Tube - Cockpit drain RH forward	1	Z,K,U
-97	168-31117-9								Tube - Cockpit drain LH aft	1	Z,K,U
	168-31117-5								Tube - Cockpit drain RH aft	1	Z,K,U





15-54-110A

FIGURE 15A - ELECTRICAL CIRCUIT BREAKER PANEL AND ATTACHING PARTS

FIGURE & PART NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	USEABLE ON CODE
15A	No Number								Electrical Circuit Breakers Panels and Attaching Parts (see figure 15A for next assembly)	NP	ALL
	182-54026								Panel Assembly - Electrical circuit breakers	1	K1-L31
	182-54026-10								Panel Assembly - Electrical circuit breakers	1	L32-T24,U
	ATTACHING PARTS										
-1	182-54029								Clamp - Circuit breaker panel mounting	3	K1-L31
-2	AN365-1032								Nut - Self locking 250° F	6	L32-T24,U
-3	AN365-1032								Nut - Self locking 250° F	5	K1-L31
-4	AN960D10								Washer - Plain	3	L32-T24,U
-5	AN960D10								Washer - Plain	3	K1-L31
-6	AN520-10-36								Screw - Machine round head fine thread	3	L32-T24,U
-7	AN520-10-36								Screw - Machine round head fine thread	3	K1-L31
-8	AN3-15								Bolt - Aircraft 10-32	2	L32-T24,U
-9	AN3-15								Bolt - Aircraft 10-32	2	L32-T24,U
-10	Q901D18								Clamp (Convair Aircraft)	1	L32-T24,U
-11	NAS43-3-23								Spacer - Screw and bolt	3	K1-L31
-12	NAS43-3-23								Spacer - Screw and bolt	3	L32-T24,U
-13	182-54027								Panel - Electrical circuit breakers	1	K1-L31
-14	182-54027-3								Panel - Electrical circuit breakers	1	L32-T24,U
-15	AN515-6R5								Screw - Machine round head coarse thread	48	K,U
-16	AN515-6R5								Screw - Machine round head coarse thread	2	L32-T24,U
-17	AN340-6								Nut - Light hexagon coarse thread	2	L32-T24,U
-18	182-54026-3								Cover Plate - Electric circuit breaker	1	L32-T24,U
-19	2B1N9-2								Bar - Bus (NA)	1	K,U
-20	2B1B10-12								Bar - Bus (NA)	1	K,U
-21	2B1B10-11								Bar - Bus (NA)	1	K,U
-22	AN3161P20								Circuit Breaker - Push button non-trip free	1	K,U
-23	AN3161P15								Circuit Breaker - Push button non-trip free	1	K,U
-24	AN3161P10								Circuit Breaker - Push button non-trip free	1	K,U
-25	AN3161P5								Circuit Breaker - Push button non-trip free	21	K,U
-26	168-54082								Panel Assembly - Electrical circuit breakers	1	Z
-27	ATTACHING PARTS										
-28	AN365-1032								Nut - Self locking 250° P	3	Z
-29	AN520-10R36								Screw - Machine round head fine thread	3	Z
-30	168-54081								Panel - Electrical circuit breakers	1	Z
-31	AN515-6R7								Screw - Machine round head coarse thread	64	Z
-32	2B1B10-15								Bar - Bus (NA)	2	Z
-33	2B1N9-2								Bar - Bus (NA)	1	Z
-34	AN3161P20								Circuit Breaker - Push button non-trip free	2	Z
-35	AN3161P15								Circuit Breaker - Push button non-trip free	4	Z
-36	AN3161P10								Circuit Breaker - Push button non-trip free	1	Z
-37	AN3161P5								Circuit Breaker - Push button non-trip free	25	Z
-38	Q911A18-17								Clip - Plain extention (Consolidated Aircraft)	1	Z
-39	Q911A18-20								Clip - Plain extention (Consolidated Aircraft)	2	Z

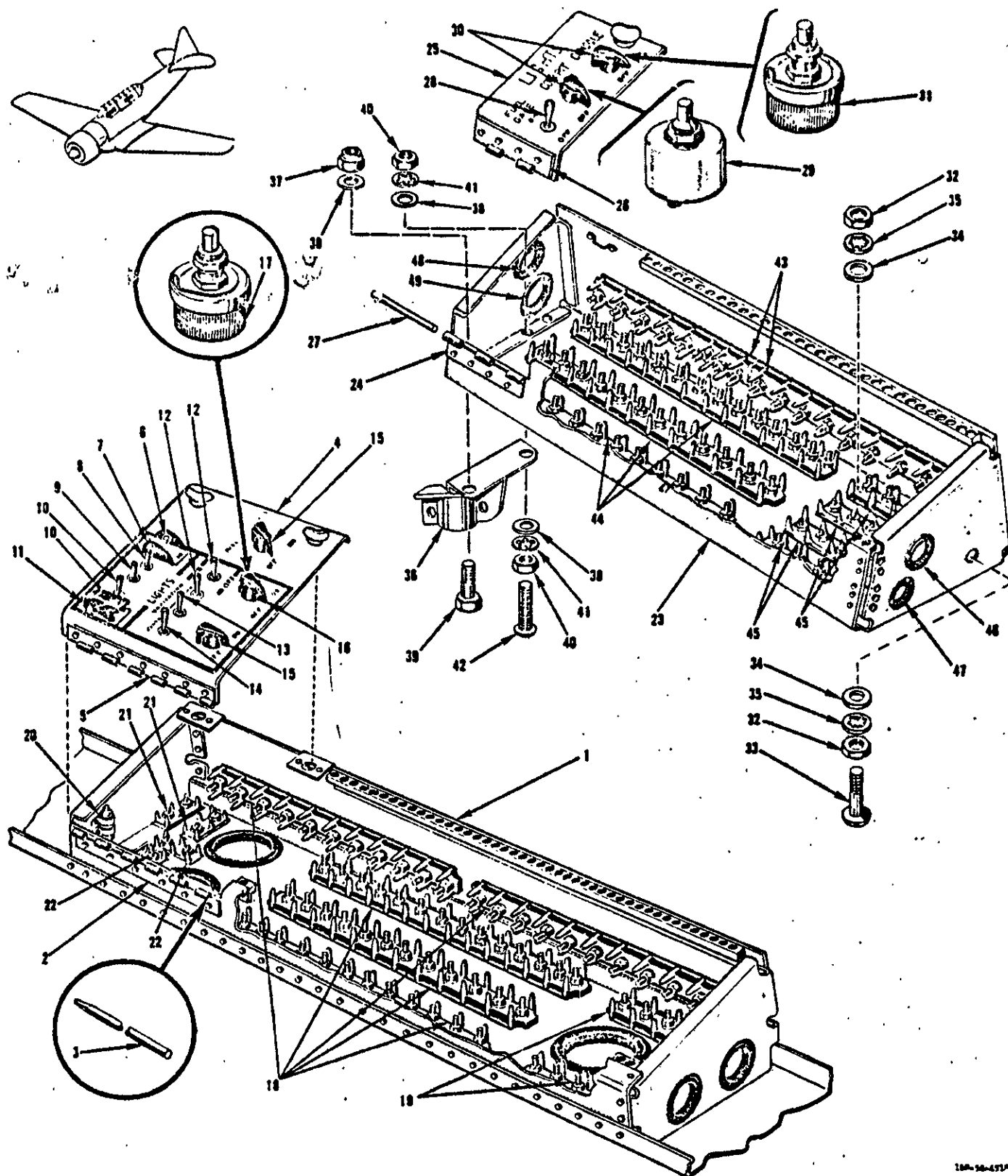
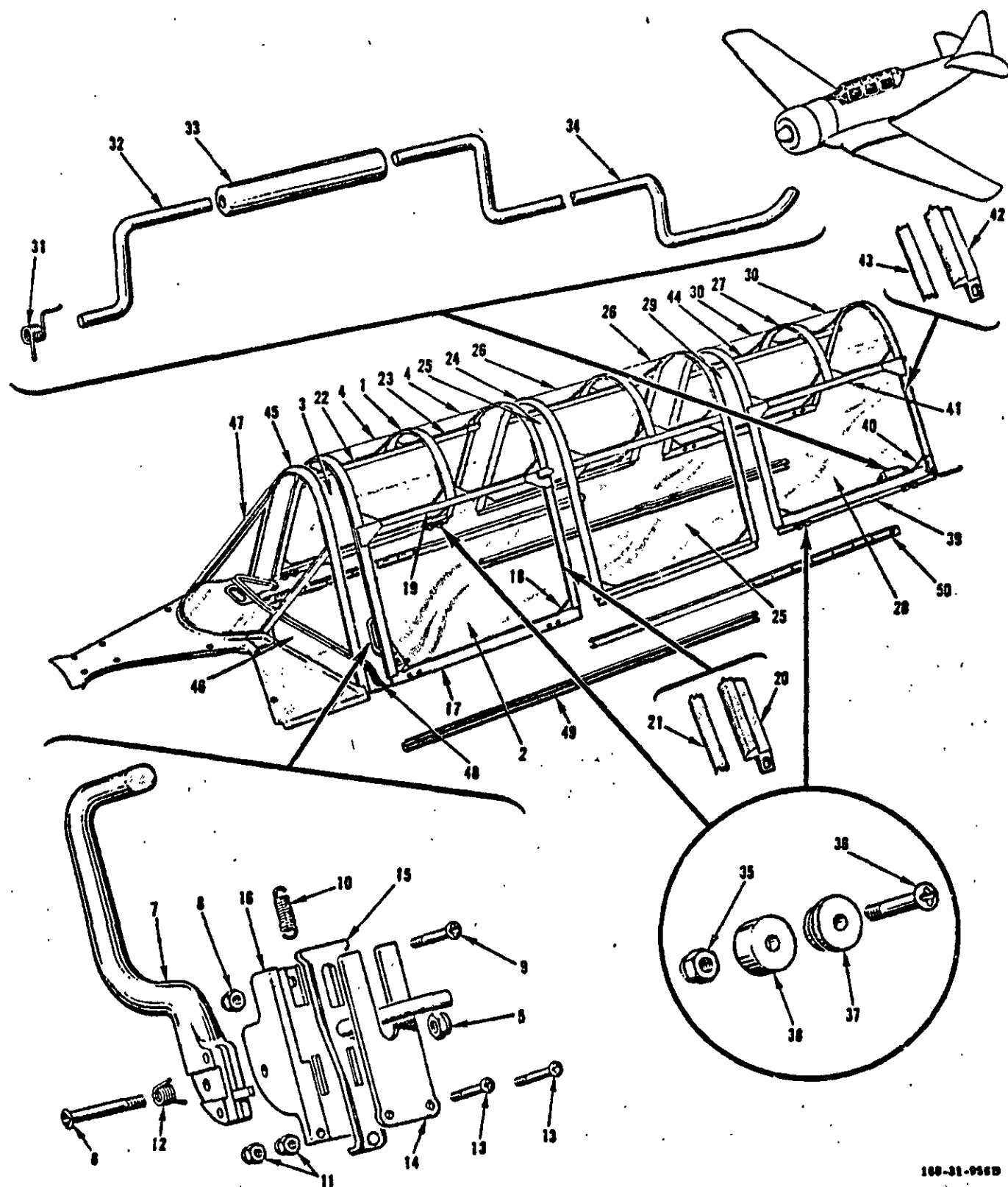


FIGURE 15B - FRONT AND REAR ELECTRICAL CONSOLES

## Group Assembly Ports List

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	USEABLE ON CODE
FUSELAGE (Cont)											
FRONT AND REAR ELECTRICAL CONSOLES											
15B	168-54063	Front and Rear Cockpit Electric Consoles									
	182-54063	Console Assembly - Electric and radio front cockpit (see figure 15 for next assembly)									
	182-54064	Console Assembly - Electric and radio front cockpit (see figure 15 for next assembly)								Ref	Z
-1	168-54062	Console Assembly - Electric and radio front cockpit								Ref	K,U
-2	168-54062-5	Support Assembly - Electric and radio front cockpit								1	K,U
		Hinge - Front cockpit electrical and radio support assembly								1	Z,K,U
-3	AN253-2-7,5	Pin - Hinge								1	Z,K,U
-4	168-54061	Cover Assembly - Electric and radio front cockpit								1	Z,K,U
-5	168-54061-3	Hinge - Electric and radio front cockpit cover assembly								1	Z,K,U
-6	AN3160-10	Circuit Breaker - Switch type non-trip free								1	Z,K,U
-7	168-54033	Guard - Pitot heat switch								1	Z,K,U
-8	AN3022-8	Switch - Toggle single pole three hole mounting								1	Z,K,U
-9	AN3160-5	Circuit Breaker - Switch type non-trip free								1	Z,K,U
-10	AN3022-2	Switch - Toggle single pole three hole mounting								1	Z,K,U
-11	45A21662	Guard								2	Z,K,U
-12	AN3160-5	Circuit Breaker - Toggle single pole								1	Z,K,U
-13	AN3027-2	Switch - One hole mounting double pole toggle								2	Z,K,U
-14	AN3227-1	Switch - Toggle four pole three hole mounting								2	Z,K,U
-15	AN3155-25-200	Rheostat - Aircraft power								1	Z,K,U
-16	AN3220-2	Knob - Pointer								1	Z,K,U
-17	0150	Rheostat - (OM) (with No. 351 off position) (AN3155-25-100 rheostat may be substituted)								1	Z,K,U
-18	AN3436-2-20	Terminal Block Assembly - Electrical								5	K,U
-19	AN3436-2-20	Terminal Block Assembly - Electrical								6	Z
-20	AS445B2	Terminal Block Assembly - Electrical								2	Z,K,U
-21	AN3436-2-2	Switch (MH)								1	Z,K,U
-22	AN3436-4-2	Terminal Block Assembly - Electrical								1	Z,K,U
	168-54064	Terminal Block Assembly - Electrical								1	Z,K,U
	168-54064-10	Console Assembly - Electrical and radio rear cockpit (see figure 15 for next assembly)								Ref	Z
-23	168-54065	Console Assembly - Electrical and radio rear cockpit (see figure 15 for next assembly)								Ref	K,U
-24	168-54065-10	Support Assembly - Electrical and radio rear cockpit								1	Z
	168-54065-5	Support Assembly - Electrical and radio rear cockpit								1	K,U
		Hinge - Rear cockpit electrical and radio support assembly								1	Z,K,U
-25	168-54066	Cover Assembly - Electrical and radio rear cockpit								1	Z,K,U
-26	168-54066-5	Hinge - Rear cockpit electrical and radio support assembly								1	Z,K,U
-27	AN253-2-3,0	Pin - Hinge								1	Z,K,U
-28	AN3022-8	Switch - Toggle single pole three hole mounting								1	Z,K,U
-29	AN3155-25-200	Rheostat - Aircraft power								1	Z,K,U
-30	AN3220-2	Knob - Pointer								1	Z,K,U
-31	0151-25-100	Rheostat - (OM)								2	Z,K,U
-32	AN345-10	Nut - Light hexagon fine thread								1	Z,K,U
-33	AN520-10R10	Screw - Machine round head fine thread								2	Z
-34	AN960-10	Washer - Plain								1	Z
-35	AN935-10	Washer - Tooth lock								2	Z
-36	168-54007	Support - Elec and radio console rear cockpit forward								2	Z
-37	AN365-1032	NUT - Self locking 250° P								1	K,U
-38	AN960-10	Washer - Plain								1	K,U
-39	AN3-6A	Bolt - Aircraft								3	K,U
-40	AN315-3	Nut - Plain airframe								1	K,U
-41	AN936A10	Washer - Tooth lock								2	K,U
-42	AN520-10R16	Screw - Machine round head fine thread								1	K,U
-43	AN3436-2-14	Terminal Block Assembly - Electrical								2	K,U
-44	AN3436-2-20	Terminal Block Assembly - Electrical								3	K,U
-45	AN3436-2-6	Terminal Block Assembly - Electrical								4	Z
-46	AN3436-2-4	Terminal Block Assembly - Electrical								4	Z
-47	AN931-10-14	Grommet - Elastic								3	K,U
-48	AN931-6S10	Grommet - Elastic								1	Z,K,U
-49	AN931-16-22	Grommet - Elastic								1	Z,K,U
	AN931-24-28	Grommet - Elastic								1	Z,K,U



100-31-0500

FIGURE 16 - COCKPIT ENCLOSURE AND WINDSHIELD ASSEMBLY

FIGURE & PART NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)											
COCKPIT ENCLOSURE AND WINDSHIELD ASSEMBLY											
16		Cockpit Enclosure and Windshield Assembly									
-1	168-31827	Panel Assy - Cockpit encl fwd (see fig. 15 for next assy)								Ref	ALL
-2	168-31835	Glass - Cockpit enclosure forward side LH								1	ALL
-3	168-31836	Glass - Cockpit enclosure forward side RH								1	ALL
-4	88-31846	Glass - Cockpit enclosure front panel upper								1	ALL
-5	AN365-1032	Nut - Self locking 250°F								1	ALL
-6	NAS221-22	Screw - Brazier head Phillips recess alloy steel 10-32								1	ALL
-7	49-31893-2	Handle Assembly - Cockpit enclosure release								1	ALL
-8	AN365-428	Nut - Self locking 250°F								1	ALL
-9	NAS220-20	Screw - Brazier head Phillips recess alloy steel 8-32								1	ALL
-10	25-31805	Spring - Cockpit enclosure lock								1	ALL
-11	AN365-1032	Nut - Self locking 250°F								1	ALL
-12	49-31816	Spring - Cockpit enclosure release handle								2	ALL
-13	NAS221-18	Screw - Brazier head Phillips recess alloy steel 10-32								1	ALL
-14	49-31847	Plate - Clip enclosure front panel lock filler								2	ALL
-15	168-31849	Plate Assembly - Cockpit encl front panel lock (mod)								1	ALL
-16	49-31808	Pivot - Cockpit enclosure release handle								1	ALL
-17	168-31843	Channel - Cockpit enclosure front panel lower left								1	ALL
-18	168-31845	Channel - Cockpit enclosure front panel lower right								1	ALL
-18	3B1	Block - Corner left hand (NA)								4	ALL
-18	3B1-1	Block - Corner right hand (NA)								3	ALL
-19	168-31839-3	Frame - Cockpit enclosure front panel side								2	ALL
-20	168-31827-3	Rubber Extrusion - Cockpit enclosure forward left side								1	ALL
-20	168-31827-5	Rubber Extrusion - Cockpit enclosure forward right side								1	ALL
-21	168-31827-7	Rubber Strip - Cockpit enclosure forward								2	ALL
-22	88-31827-13	Rubber Extrusion - Front cockpit enclosure upper forward								1	ALL
-23	88-31827-3	Rubber Extrusion - Front cockpit enclosure upper aft								1	ALL
-23	88-31827-10	Rubber Strip - Front cockpit enclosure forward								2	ALL
-24	168-31828	Panel Assy - Cockpit encl fixed (see fig. 15 for next assy)								Ref	ALL
-25	168-31834	Glass - Cockpit enclosure fixed side								2	ALL
-26	88-31847	Glass - Cockpit enclosure fixed top								2	ALL
-27	168-31829	Panel Assy - Cockpit encl aft (see fig. 15 for next assy)								Ref	ALL
-28	168-31837	Glass - Cockpit enclosure aft side LH								1	ALL
-29	168-31838	Glass - Cockpit enclosure aft side RH								1	ALL
-30	88-31858	Glass - Cockpit enclosure rear								2	ALL
-31	36-31816	Spring - Cockpit enclosure panel release handle								1	ALL
-32	36-31840-3	Handle - Cockpit enclosure rear panel lock								1	ALL
-33	36-31838	Grip - Cockpit enclosure rear panel lock handle								1	ALL
-34	121-31840-2	Handle - Cockpit enclosure rear panel lock								1	ALL
-35	AN315-3R	Nut - Plain airframe								8	ALL
-36	NAS221-12	Screw - Brazier head Phillips recess alloy steel 10-32								8	ALL
-37	36-318117	Roller - Cockpit enclosure panel								8	ALL
-38	36-318115	Bushings - Cockpit enclosure panel roller								8	ALL
-39	168-31840	Channel - Cockpit enclosure rear lower left								1	ALL
-39	168-31842	Channel - Cockpit enclosure rear lower right								1	ALL
-40	3B1	Block - Corner left hand (NA)								3	ALL
-41	3B1-1	Block - Corner right hand (NA)								4	ALL
-42	168-31839-5	Frame - Cockpit enclosure rear panel side								2	ALL
-43	168-31829-3	Rubber Extrusion - Cockpit enclosure aft left side								1	ALL
-44	168-31829-5	Rubber Extrusion - Cockpit enclosure aft right side								1	ALL
-45	168-31829-7	Rubber Strip - Cockpit enclosure aft right side								2	ALL
-46	88-31829-3	Rubber Extrusion - Aft cockpit enclosure upper								2	ALL
-47	88-31829-6	Rubber Strip - Aft cockpit enclosure upper								2	ALL
-48	168-31826	Windshield Assembly - Cockpit enclosure (modification)								Ref	A-
-49	168-31826-10	(see figure 15 for next assembly)								Ref	Z
-50	36-31834	Glass - Cockpit enclosure windshield side								2	ALL
-51	55-31835	Glass - Cockpit enclosure windshield front								1	ALL
-52	88-31826-4	Pad - Rubber								1	ALL
-53	88-31801	Enclosure Inatl - Cockpit (see fig. 15 for next assy)								NP	ALL
-54	36-318121-6	Track Assembly - Cockpit enclosure front LH								1	ALL
-55	36-318121-5	Track Assembly - Cockpit enclosure front RH								1	ALL
-56	36-318120-8	Track Assembly - Cockpit enclosure rear inboard LH								1	ALL
-57	36-318120-9	Track Assembly - Cockpit enclosure rear inboard RH								1	ALL

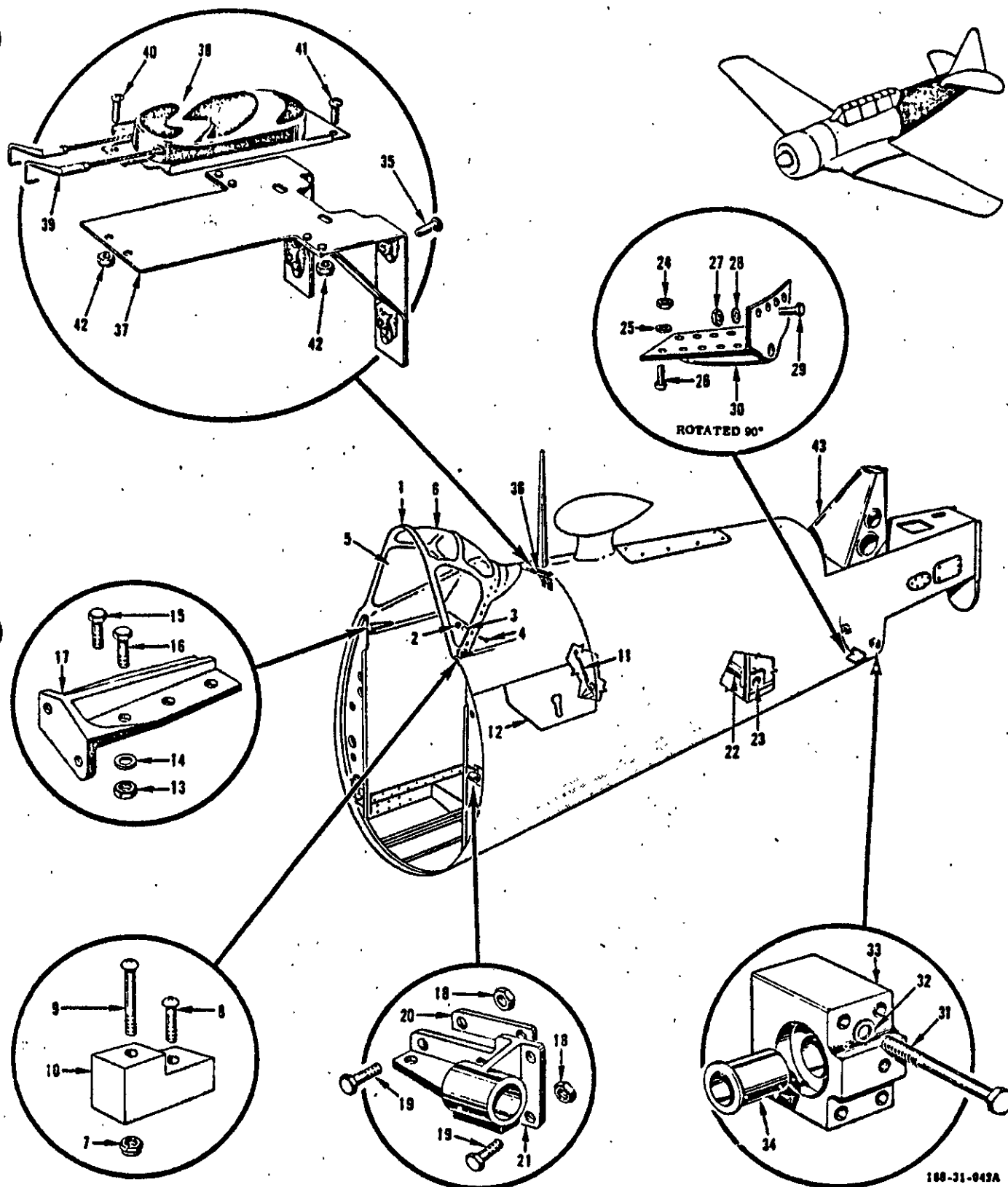


FIGURE 17 - FUSELAGE REAR SECTION FRAME ASSEMBLY

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)											
FUSELAGE REAR SECTION COVERED FRAME ASSEMBLY											
17	168-31106	* Frame Assembly - Fuselage rear section covered (mod) (superseded by and is interchangeable with 168-31706) (see figure 14 for next assembly)									Ref A
	168-31006-100	* Frame Assembly - Fuselage rear section covered (mod) (superseded by and is interchangeable with 168-31706-100) (see figure 14 for next assembly)									Ref Z
	168-31106-200	* Frame Assembly - Fuselage rear section covered (mod) (supersedes by and is interchangeable with 168-31706-200).									Ref K,U
	168-31110	* Frame Assembly - Fuselage station 106-31/32 to station 137 (mod) (used on 168-31106 and 168-31106-100)									1 A,Z
	182-31110	* Frame Assembly - Fuselage station 106-31/32 to station 137 (mod) (used on 168-31106-200)									1 K,U
	168-31109	* Frame Assembly - Fuselage rear section lower (mod) (used on 168-31106)									1 A
	168-31109-100	* Frame Assembly - Fuselage rear section lower (mod) (used on 168-31106-100 and 168-31106-200)									1 K,Z,U
-1	168-31130	* Enclosure Assembly - Rear cockpit aft (modification)									1 ALL
-2	AN365-625	* Nut - Self locking 250° F									57 ALL
-3	AN960D6	* Washer - Plain									57 ALL
-4	AN526-632R14	* Screw - Truss head coarse thread									57 ALL
-5	88-31848	* Glass - Gunner's hood side panel									2 ALL
-6	88-31849	* Glass - Gunner's hood top panel									2 ALL
-7	AN365-832	* Nut - Self locking 250° F									4 ALL
-8	NAS220-11	* Screw - Brazier head Phillips recess alloy steel 8-32									2 ALL
-9	NAS220-18	* Screw - Brazier head Phillips recess alloy steel 8-32									2 ALL
-10	168-31848	* Stop - Aft cockpit enclosure									2 ALL
-11	19-33449	* Spring - Brake cable									1 ALL
-12	168-31025	* Door Assembly - Fuselage baggage compartment (see figure 18 for detail breakdown)									1 ALL
-13	AN365-428	* Nut - Self locking 250° F									12 ALL
-14	AN960-416	* Washer - Plain									12 ALL
-15	AN4-5A	* Bolt - Aircraft 1/4-28									6 ALL
-16	AN4-6A	* Bolt - Aircraft 1/4-28									6 ALL
-17	52-31142	* Fitting - Fuselage connection rear LH									1 ALL
	52-31142-1	* Fitting - Fuselage connection rear RH									1 ALL
-18	AN365-1032	* Nut - Self locking 250° F									4 ALL
-19	AN4-5A	* Bolt - Aircraft 1/4-28									4 ALL
-20	55-31246	* Shim - Fuselage rear cockpit step bracket									1 ALL
-21	182-31222	* Bracket - Fus rear cockpit step (mod) (supersedes 168-31222 and 55-31222)									1 ALL
-22	52-31138	* Tube - Fuselage lift									1 ALL
-23	55-31180	* Fitting - Fuselage lift tube support LH									1 ALL
	55-31180-1	* Fitting - Fuselage lift tube support RH									1 ALL
-24	AN365-1032	* Nut - Self locking 250° F									2 ALL
-25	AN960-10	* Washer - Plain									2 ALL
-26	NAS221-10	* Screw - Brazier head Phillips recess alloy steel 10-32									2 ALL
-27	AN365-1032	* Nut - Self locking 250° F									4 ALL
-28	AN960-416	* Washer - Plain									4 ALL
-29	AN4-6A	* Bolt - Aircraft 1/4-28									4 ALL
-30	52-31170	* Ped - Fuselage jack auxiliary tail skid									1 ALL
-31	AN4-21A	* Bolt - Aircraft 1/4-28									8 ALL
-32	2W1-17-14-64	* Washer - Plain (NA)									8 ALL
-33	52-31169	* Fitting Assembly - Fuselage station 215 5/8 tail wheel attaching									2 ALL
-34	4B8-30	* Bushing (NA)									1 ALL
-35	AN520-10R8	* Screw - Machine round head fine thread									4 ALL
-36	168-73004	* Bracket Assy - Instrument flying hood retracting reel support									1 ALL
-37	168-73004-3	* Bracket - Instrument flying hood retracting reel									1 ALL
-38	168-73003	* Reel Assembly - Instrument flying hood retracting (altered from ACME 4 1/2 lb. twin sash balance)									1 ALL
-39	168-73019	* Cable Assembly - Instrument flying hood retracting reel									1 ALL
-40	AN520-10R7	* Screw - Machine round head fine thread									2 ALL
-41	AN520-10R16	* Screw - Machine round head fine thread									2 ALL
-42	AN365-1032	* Nut - Self locking 250° F									4 ALL
-43	No Number	* Upper Rear Fuselage Frame and Deck Assemblies (see figure 17A for detail breakdown)									1 ALL

NOTE: \* For spare fuselage rear section see figure 19.

Section II  
Group Assembly Parts List

AN 01-GOPPA-4

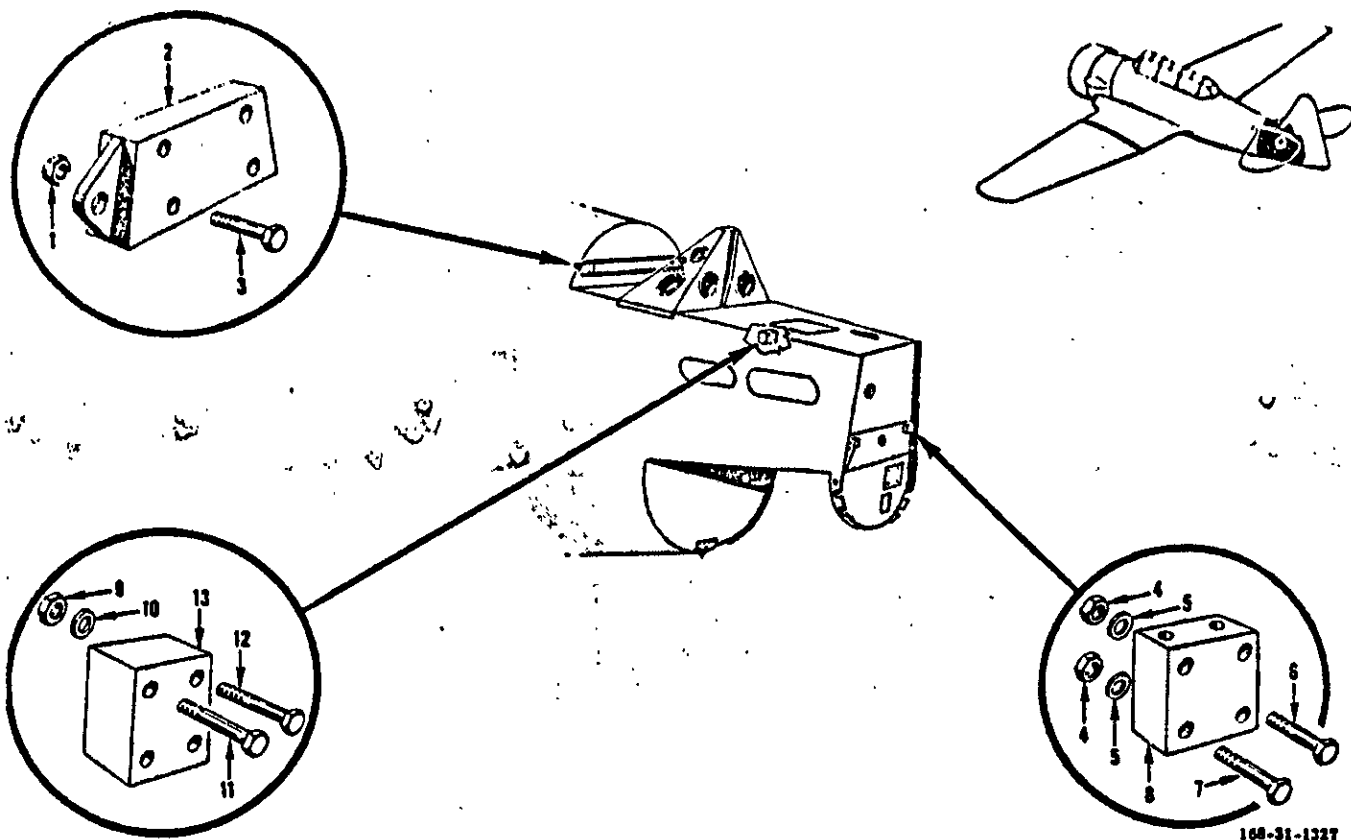
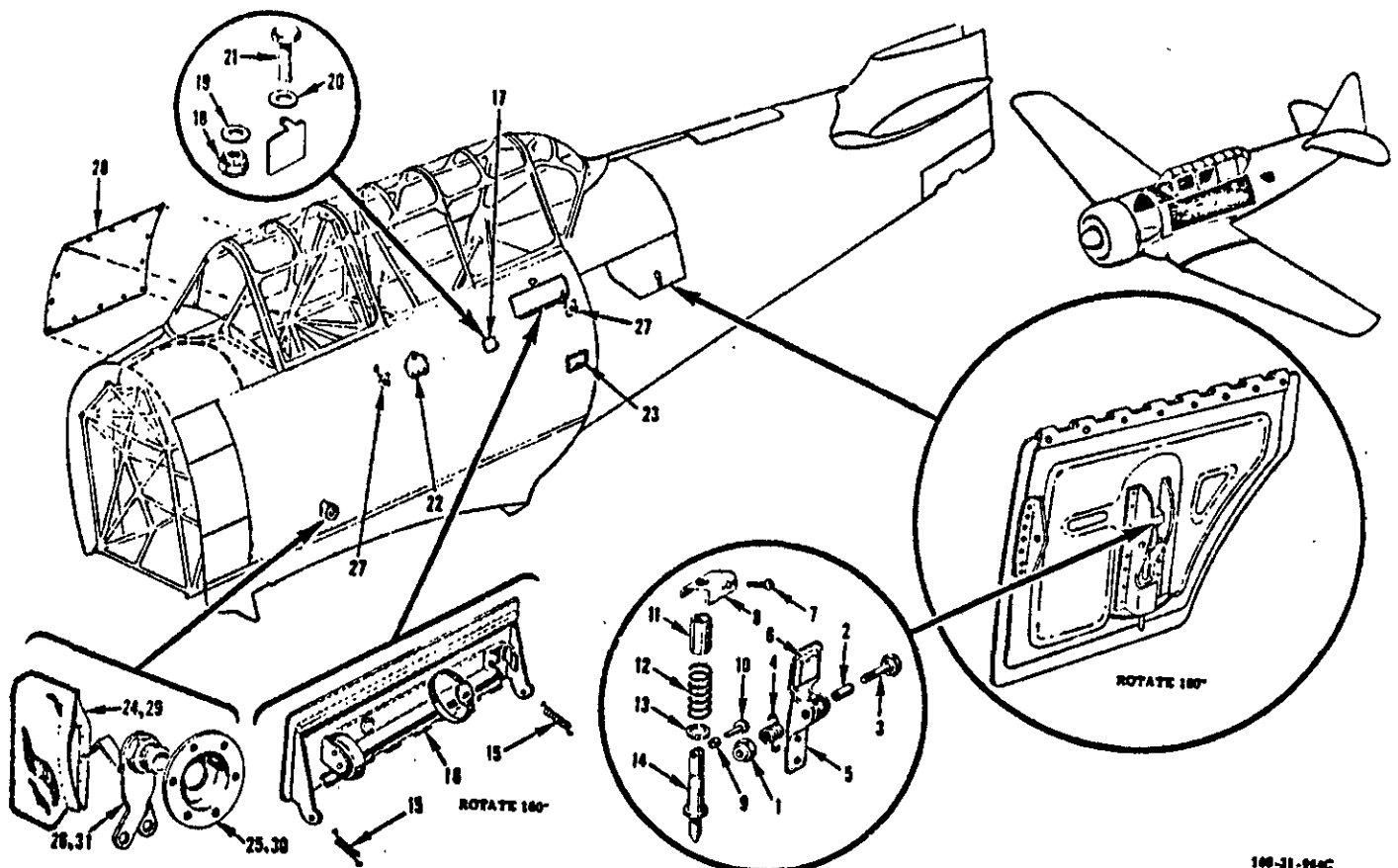


FIGURE 17A - UPPER REAR FUSELAGE FRAME AND DECK ASSEMBLIES

FIGURE & ORDER NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)											
UPPER REAR FUSELAGE FRAME AND DECK ASSEMBLIES											
17A	No Number	Upper Rear Fuselage Frame and Deck Assemblies (see figure 17 for next assembly)									ALL
	168-31108	Frame Assembly - Fuselage rear section upper (mod) (used on 168-31106 only)									A
	168-31108-100	Frame Assembly - Fuselage rear section upper (mod) (used on 168-31106-100 and 168-31106-200)									K,Z,U
	168-31308	Deck Assembly - Fuselage sta 137 to sta 200-3/4 upper (used on 168-31706 only)									A,Z,U
	168-31308-200	Deck Assembly - Fuselage sta 137 to sta 200-3/4 upper (used on 168-31706 only)									K,U
-1	69-31120	Former Assembly - Fuselage rear section No. 5 upper									ALL
-2	AN365-428	Nut - Self locking 250° F									ALL
-3	AN4-11A	Bolt - Aircraft 1/4-28									ALL
	52-31109	Fitting - Fuselage horizontal stabilizer front attaching LH									ALL
	52-31109-1	Fitting - Fuselage horizontal stabilizer front attaching RH									ALL
	88-31611	Frame Assembly - Fuselage rear section rear covered (used on 168-31106 only)									ALL
	168-31311	Frame Assembly - Fuselage sta 215-5/8 to sta 242-3/16 (used on 168-31706 only)									ALL
-4	AN365-428	Nut - Self locking 250° F									ALL
-5	AN960-416	Washer - Plain									ALL
-6	AN4-13A	Bolt - Aircraft 1/4-28									ALL
-7	AN4-14A	Bolt - Aircraft 1/4-28									ALL
-8	52-31107	Fitting - Fus horizontal stabilizer rear attaching LH									ALL
	52-31107-1	Fitting - Fus horizontal stabilizer rear attaching RH									ALL
-9	AN365-428	Nut - Self locking 250° F									ALL
-10	AN960-416	Washer - Plain									ALL
-11	AN4-16A	Bolt - Aircraft 1/4-28									ALL
-12	AN4-17A	Bolt - Aircraft 1/4-28									ALL
-13	55-31143-2	Block - Fuselage rear section No.8 vertical stabilizer rear spar support LH									ALL
	55-31143-3	Block - Fuselage rear section No.8 vertical stabilizer rear spar support RH									ALL

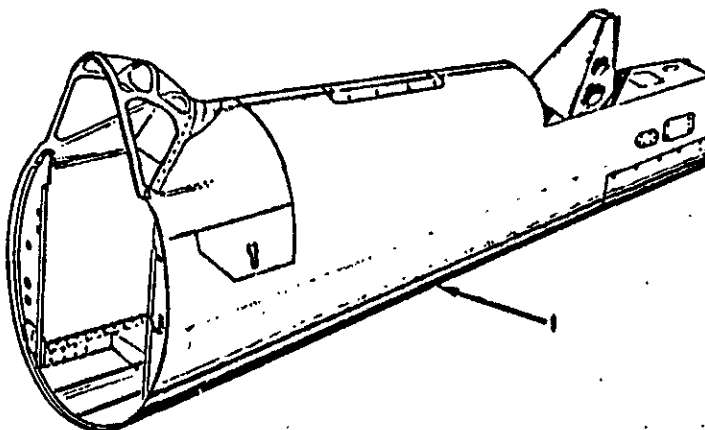




100-31-964C

FIGURE 18 - BAGGAGE COMPARTMENT DOOR AND FUSELAGE SIDE PANELS

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									FUSELAGE (Cont)		
									BAGGAGE COMPARTMENT DOOR AND FUSELAGE SIDE PANELS		
18	168-31025								Baggage Compartment Door and Fuselage Side Panels		
-1	66-31074-2								Door Assy - Fus baggage compt (see fig. 17 for next assy)	Ref	ALL
-2	AN365-1032								Latch Assy - Fus baggage compartment door complete	1	ALL
-3	4B14-3-61								Nut - Self locking 250°P	1	ALL
-4	AN3-23A								Bushing - Spacer (NA)	1	ALL
-5	54-31080								Bolt - Aircraft 10-32	1	ALL
-6	66-31077								Spring - Fus baggage compt door latch operating	1	ALL
-7	2352								Handle Assy - Fuselage baggage compartment door	1	ALL
-8	NAS221-7								Eagle Lock (UH)	1	ALL
-9	66-31071								Screw - Brazier head Phillips recess alloy steel 10-32	1	ALL
-10	4S4-4-3								Guide Assy - Fus baggage compt door latch plunger	1	ALL
-11	AN392-13								Spacer - Rivet (NA)	1	ALL
-12	54-31081								Pin - Flat head 1/8	1	ALL
-13	54-31079								Stop - Fus baggage compartment door hinge latch	1	ALL
-14	AN960-6								Spring - Fus baggage compt door latch operating	1	ALL
-15	55-31078								Washer - Plain	1	ALL
-16	168-31050								Latch Assy - Fuselage baggage compartment door	1	ALL
-17	168-31050-100								Panel Assy - Fus left side fairing (mod) (see figure 14 for next assembly)	1	ALL
-18	55-31049								Panel Assy - Fus left side fairing (mod)(see fig. 14 for next assembly)	Ref	A,K,U
-19	55-31038-4								Spring - Fuselage fire extinguisher door	Ref	Z
-20	66-31009								Door Assembly - Fuselage fire extinguisher	2	ALL
-21	AN310-3								Ventilator Assembly - Fuselage rear cockpit complete	1	ALL
-22	AN960-10								Nut - Castellated airframe	1	ALL
-23	AN960-10L								Washer - Plain	2	ALL
-24	AN3-4								Washer - Plain	2	ALL
-25	55-31301								Bolt - Aircraft 10-32	4	ALL
-26	168-31027								Cover Assy - Fus left side panel hyd tank filler access	2	ALL
-27	88-54090								Door Assembly - External power supply access	1	ALL
-28	54-31201								Boot Assembly - Fuel hose grounding jack	1	ALL
-29	B111745X								Well - Fuel hose grounding jack	1	ALL
-30	168-31120								Jack - Type CJ1 gasoline tank grounded	1	ALL
-31	168-31051-10								Tube Assembly - Cockpit drain	1	ALL
-32	168-31051-100								Panel Assy - Fuselage right side fairing (mod) (supersedes 168-31051) (see fig. 14 for next assembly)	2	Z
-33	168-31051								Panel Assy - Fuselage right side fairing (mod) (supersedes 168-31051) (see fig. 14 for next assembly)	Ref	A
-34	168-31058								Cover Assy - Fus sta 43 3/8 to 68 1/8 main power panel access	1	Z,K,U
-35	88-54090								Boot Assembly - Fuel hose grounding jack	1	ALL
-36	54-31201								Well - Fuel hose grounding jack	1	ALL
-37	B111745X								Jack - Type CJ1 gasoline tank grounded	1	ALL



168-31-064

FIGURE 19 - SPARE FUSELAGE REAR SECTION COVERED FRAME ASSEMBLY

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									FUSELAGE (Cont)		
									SPARE FUSELAGE REAR SECTION COVERED FRAME ASSEMBLY		
19	168-31906								FRAME ASSEMBLY - FUSELAGE REAR SECTION COVERED SPARE (SUPERSEDES BY AND IS INTERCHANGEABLE WITH 168-31976) . .	1	A
	168-31976								FRAME ASSEMBLY - FUSELAGE REAR SECTION COVERED SPARE (SUPERSEDES AND IS INTERCHANGEABLE WITH 168-31906) . . . .	1	A
	168-31976-100								FRAME ASSEMBLY - FUSELAGE REAR SECTION COVERED SPARE . . . . .	1	Z
	168-31976-200								FRAME ASSEMBLY - FUSELAGE REAR SECTION COVERED SPARE . . . . .	1	K,U
-1	168-31706								FRAME ASSEMBLY - FUSELAGE REAR SECTION COVERED (SUPERSEDES AND IS INTERCHANGEABLE WITH 168-31106) . .	1	A
	168-31706-100								FRAME ASSEMBLY - FUSELAGE REAR SECTION COVERED (SUPERSEDES AND IS INTERCHANGEABLE WITH 168-31106-100) .	1	Z
	168-31706-200								FRAME ASSEMBLY - FUSELAGE REAR SECTION COVERED (SUPERSEDES AND IS INTERCHANGEABLE WITH 168-31106-200) .	1	K,U
									ALL GOVERNMENT FURNISHED PROPERTY		
									WITH ADDITION OF THE FOLLOWING PARTS:		
	77-45044								CLIP - ENGINE STARTER CRANK STOWAGE . . . . .	1	ALL
	78-31010								COWLING ASSY - FUS FLEX. GUN CUTOUT (USED ON 168-31906 ONLY) .	1	A
	78-31013								COWLING ASSY - FUS GUNNER'S HOOD LH (USED ON 168-31906 ONLY) .	1	A
	78-31013-1								COWLING ASSY - FUS GUNNER'S HOOD RH (USED ON 168-31906 ONLY) .	1	A
	168-31025								DOOR ASSEMBLY - FUSELAGE BAGGAGE COMPARTMENT (SEE FIGURE 17) .	1	ALL
	58-31083								LINK ASSEMBLY - FUSELAGE BAGGAGE COMPARTMENT DOOR LOWER . . .	1	ALL
	58-31086								LINK - FUSELAGE BAGGAGE COMPARTMENT DOOR UPPER . . . . .	1	ALL
	55-31238								COVER ASSEMBLY - FUS REAR SECTION BODY ACCESS (SEE FIGURE 14) .	1	ALL
	55-31097								COVER - FUS REAR SECTION 6 TO 7 ACCESS HOLE (SEE FIGURE 14) .	1	ALL
	55-31045								COVER ASSY - FUS REAR SECT. 7 TO 8 ACCESS LH (SEE FIGURE 14) .	1	ALL
	55-31045-1								COVER ASSY - FUS REAR SECT. 7 TO 8 ACCESS RH (SEE FIGURE 14) .	1	ALL
	88-34160-2								CABLE ASSY - TAIL WHEEL STEERING CONTROL LEFT SIDE (SEE FIG. 57)	1	ALL
	88-34160-3								CABLE ASSY - TAIL WHEEL STEERING CONTROL RIGHT SIDE (SEE FIG. 57)	1	ALL
	88-34156								ROLLER - TAIL WHEEL STEERING CONTROL CABLE FRONT (SEE FIG. 57)	1	ALL
	88-34157								SPACER - TAIL WHEEL STEERING CONTROL CABLE FRONT ROLLER (SEE FIG. 57)	4	ALL
	55-31061								COWLING ASSEMBLY-- FUS TAIL WHEEL CUTOUT LH (SEE FIGURE 14) .	1	ALL
	55-31061-7								COWLING ASSEMBLY - FUS TAIL WHEEL CUTOUT RH (SEE FIGURE 14) .	1	ALL
	55-52550								FAIRLEAD - FUSELAGE REAR SECTION ELEVATOR TRIM TAB CABLE . . .	1	ALL
	55-52216								GUARD - FUSELAGE FRONT SECTION STA NO.6 ELEVATOR CABLE LH . .	1	ALL
	55-52216-1								GUARD - FUSELAGE FRONT SECTION STA NO.6 ELEVATOR CABLE RH . .	1	ALL
	6P2								PULLEY (NA) . . . . .	1	ALL
	19-34007								SPACER - TAIL WHEEL CABLE PULLEY (SEE FIGURE 27) . . . . .	2	ALL
	88-52497								ARM ASSEMBLY - RUDDER CONTROL CABLE LEFT IDLER COMPLETE (SEE FIGURE 27) . . . . .	1	ALL
	88-52498								ARM ASSEMBLY - RUDDER CONTROL CABLE RIGHT IDLER COMPLETE (SEE FIGURE 27) . . . . .	1	ALL
	88-53174								CASE ASSEMBLY - AIRCRAFT DATA (SEE FIGURE 47) . . . . .	1	ALL
	88-34013								FAIRING ASSEMBLY - TAIL WHEEL HOUSING (SEE FIGURE 57) (USED ON 168-31906 ONLY) . . . . .	1	ALL
	88-34173								BOOT ASSEMBLY - TAIL WHEEL SHOCK STRUT (SEE FIGURE 57) . . . .	1	ALL
	168-52415								FAIRLEAD - RUDDER CONTROL CABLE STATION 137 RH . . . . .	1	ALL
	168-52411								CABLE ASSEMBLY - RUDDER CONTROL AFT LH (SEE FIGURE 27) . . . .	1	ALL
	168-52412								CABLE ASSEMBLY - RUDDER CONTROL AFT RH (SEE FIGURE 27) . . . .	1	ALL

## Group Assembly Parts List

AN 01-60PPA-4

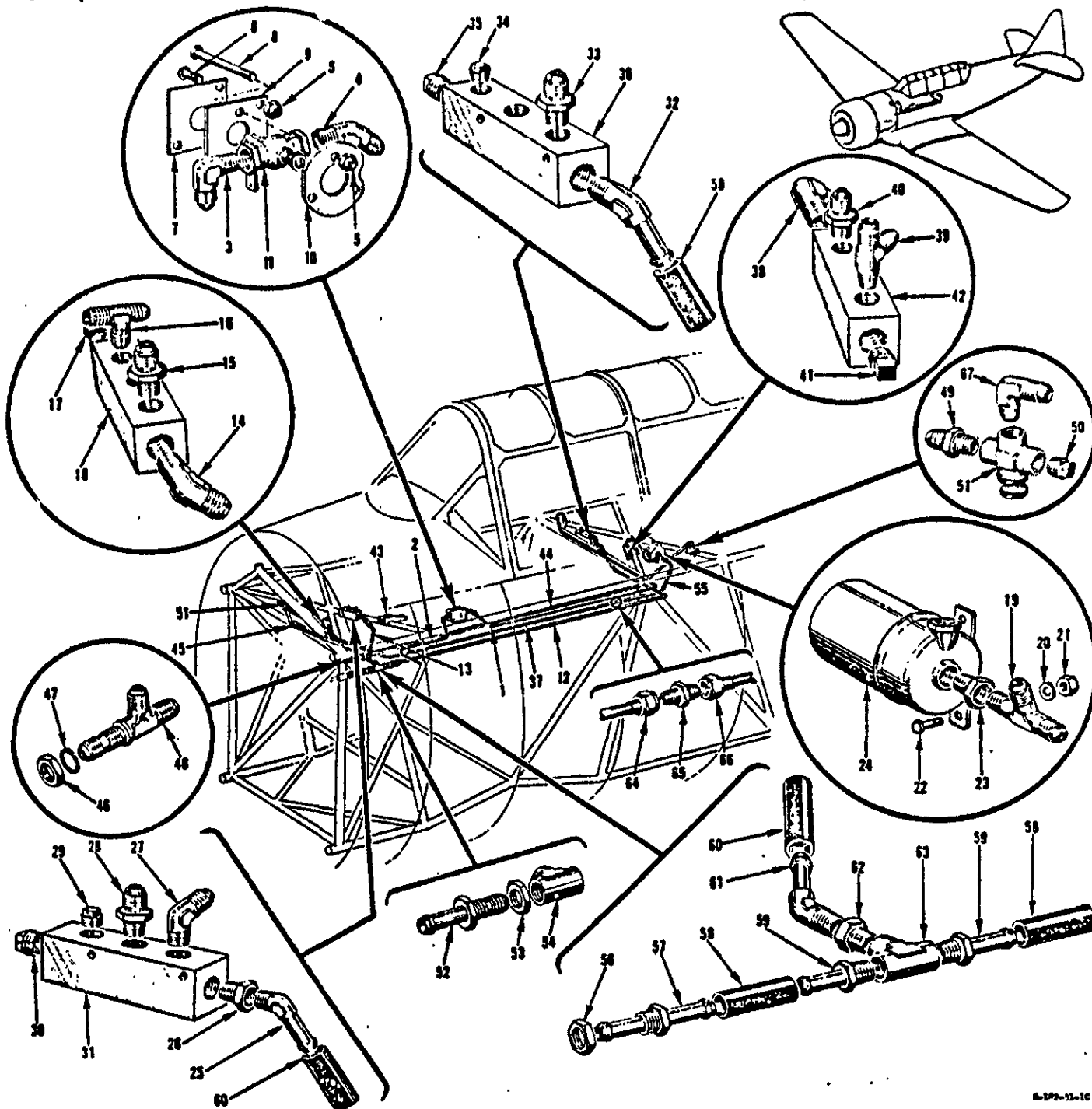


FIGURE 20 - COMPLETE INSTRUMENT EQUIPMENT

A-12-51-16

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)											
COMPLETE INSTRUMENT EQUIPMENT.											
20	168-51001	.	.	.	.	.	.	.	Instrument Equipment Installation - Complete (mod) (see figure 1 for next assembly) . . . . .	NP	ALL
	168-51040	.	.	.	.	.	.	.	Instrument Equipment Installation - Engine (mod) (see figure 23 for detail breakdown) . . . . .	NP	ALL
	168-51040-100	.	.	.	.	.	.	.	Instrument Equipment Installation - Engine (mod) (see figure 23 for detail breakdown) . . . . .	NP	ALL
	168-51031	.	.	.	.	.	.	.	Instrument Equipment Installation - Front fuselage (mod) . . . . .	NP	ALL
	No Number	.	.	.	.	.	.	.	Instrument Equipment Installation - Front fuselage right side (see figure 20A for detail breakdown) . . . . .	NP	ALL
	168-51005	.	.	.	.	.	.	.	Panel Assembly - Instrument complete (see figure 21) . . . . .	2	A1-A15
	168-51005-10	.	.	.	.	.	.	.	Panel Assembly - Instrument complete (see figure 21) . . . . .	2	A16D30
	168-51005-20	.	.	.	.	.	.	.	Panel Assembly - Instrument complete (see figure 21) . . . . .	2	D30091
	168-51005-30	.	.	.	.	.	.	.	Panel Assembly - Instrument complete aft (see figure 21) . . . . .	1	Z
	168-51005-40	.	.	.	.	.	.	.	Panel Assembly - Instrument complete forward (see fig. 21) . . . . .	1	Z
	168-51005-50	.	.	.	.	.	.	.	Panel Assembly - Instrument complete (see figure 21) . . . . .	2	K,U

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)											
COMPLETE INSTRUMENT EQUIPMENT (Cont)											
20-1	168-51801-57	.	.	.	.	.	.	.	Line - Rear manifold distributor plate to purge valve manifold pressure . . . . .	1	ALL
-2	168-51801-59	.	.	.	.	.	.	.	Line - Purge valve to overboard manifold pressure . . . . .	1	ALL
-3	AN822-4D	.	.	.	.	.	.	.	Elbow - Flared tube and pipe thread 90° . . . . .	1	ALL
-4	AN823-4D	.	.	.	.	.	.	.	Elbow - Flared tube and pipe thread 45° . . . . .	2	ALL
-5	AN365-1032	.	.	.	.	.	.	.	Nut - Self locking 250° F . . . . .	5	ALL
-6	AN526-10-8	.	.	.	.	.	.	.	Truss Head - Coarse and fine thread . . . . .	2	ALL
-7	55-51065	.	.	.	.	.	.	.	Plate - Manifold pressure gage vent control instruction . . . . .	1	ALL
-8	AN507-10-22	.	.	.	.	.	.	.	Screw - Machine flat head 100° . . . . .	3	ALL
-9	36-51050	.	.	.	.	.	.	.	Plate - Manifold pressure vent and gyro selector valve attaching . . . . .	1	ALL
-10	36-51049	.	.	.	.	.	.	.	Plate - Manifold pressure vent and gyro selector valve retaining . . . . .	1	ALL
-11	765-10	.	.	.	.	.	.	.	Cock - Shut-off (Stock No. 3850-054358-112) . . . . .	1	ALL
-12	77-51813	.	.	.	.	.	.	.	Line - Front panel tee to rear panel manifold block . . . . .	1	A
	182-51801-5	.	.	.	.	.	.	.	Line - Front panel tee to rear vacuum distribution block . . . . .	1	K,U
	168-51801-113	.	.	.	.	.	.	.	Line - Front panel tee to rear panel manifold block . . . . .	1	Z
-13	77-51806	.	.	.	.	.	.	.	Line - Front panel tee to manifold block vacuum . . . . .	1	A,Z
	182-51801-17	.	.	.	.	.	.	.	Line - Front panel tee to front vacuum distribution box . . . . .	1	K,U
-14	AN823-10D	.	.	.	.	.	.	.	Elbow - Flared tube and pipe thread 45° . . . . .	1	ALL
-15	AN816-6D	.	.	.	.	.	.	.	Nipple - Flared tube and pipe thread . . . . .	1	ALL
-16	AN823-4D	.	.	.	.	.	.	.	Elbow - Flared tube and pipe thread 45° . . . . .	1	*1
	AN826-4D	.	.	.	.	.	.	.	Tee - Flared tube with pipe thread on run . . . . .	1	ALL,*1
-17	AN913-2D	.	.	.	.	.	.	.	Plug - Square head pipe thread . . . . .	1	ALL
-18	77-51020	.	.	.	.	.	.	.	Block - Instrument vacuum distribution . . . . .	1	ALL
-19	AN826-10D	.	.	.	.	.	.	.	Tee - Flared tube with pipe thread on run . . . . .	1	A,Z
	AN825-10D	.	.	.	.	.	.	.	Tee - Flared tube with pipe thread on side . . . . .	1	K,U
-20	AN365-1032	.	.	.	.	.	.	.	Nut - Self locking 250° F . . . . .	2	K,U
-21	AN960D10	.	.	.	.	.	.	.	Washer - Plain . . . . .	2	K,U
	AN520-10R8	.	.	.	.	.	.	.	Screw - Machine round head coarse thread . . . . .	2	K,U
-22	AN4-5A	.	.	.	.	.	.	.	Bolt - Aircraft 1/4-28 . . . . .	2	A,Z
-23	AN912-7D	.	.	.	.	.	.	.	Bushing - Reducer . . . . .	1	A,Z
-24	AN5822	.	.	.	.	.	.	.	Filter - Air vacuum operated . . . . .	1	ALL
-25	AN844-8D	.	.	.	.	.	.	.	Elbow - Pipe thread and hose . . . . .	1	ALL
-26	AN912-4D	.	.	.	.	.	.	.	Bushing - Reducer . . . . .	1	ALL
-27	AN823-6D	.	.	.	.	.	.	.	Elbow - Flared tube and pipe thread 45° . . . . .	1	ALL
-28	AN816-6D	.	.	.	.	.	.	.	Nipple - Flared tube and pipe thread . . . . .	1	ALL
-29	AN913-1D	.	.	.	.	.	.	.	Plug - Square head pipe thread . . . . .	1	ALL
-30	AN913-2D	.	.	.	.	.	.	.	Plug - Square head pipe thread . . . . .	1	ALL
-31	77-51020	.	.	.	.	.	.	.	Block - Instrument vacuum distribution . . . . .	1	ALL
-32	AN844-10D	.	.	.	.	.	.	.	Elbow - Pipe thread on hose . . . . .	1	ALL
-33	AN816-4D	.	.	.	.	.	.	.	Nipple - Flared tube and pipe thread . . . . .	2	K,U
	AN816-6D	.	.	.	.	.	.	.	Nipple - Flared tube and pipe thread . . . . .	2	A,Z
-34	AN913-1D	.	.	.	.	.	.	.	Plug - Square head pipe thread . . . . .	1	ALL
-35	AN913-2D	.	.	.	.	.	.	.	Plug - Square head pipe thread . . . . .	1	ALL
-36	77-51020	.	.	.	.	.	.	.	Block - Instrument vacuum distribution . . . . .	1	ALL
-37	168-51801-65	.	.	.	.	.	.	.	Line - Filter to front panel manifold block air . . . . .	1	A
	182-51801-9	.	.	.	.	.	.	.	Line - Air distribution block to vacuum air filter . . . . .	1	K,U
-38	AN822-10D	.	.	.	.	.	.	.	Elbow - Flared tube and pipe thread . . . . .	1	ALL
-39	AN826-4D	.	.	.	.	.	.	.	Tee - Flared tube with pipe thread on run . . . . .	1	ALL
-40	AN816-6D	.	.	.	.	.	.	.	Nipple - Flared tube and pipe thread . . . . .	1	*1
	AN826-6D	.	.	.	.	.	.	.	Tee - Flared tube with pipe thread on run . . . . .	1	ALL,*1
-41	AN913-2D	.	.	.	.	.	.	.	Plug - Square head pipe thread . . . . .	1	ALL
-42	77-51020	.	.	.	.	.	.	.	Block - Instrument vacuum distribution . . . . .	1	ALL
-43	168-51017-1	.	.	.	.	.	.	.	Support Assembly - Instrument panel lower LH . . . . .	2	ALL
	168-51017-2	.	.	.	.	.	.	.	Support Assembly - Instrument panel lower RH . . . . .	2	ALL
-44	168-51801-77	.	.	.	.	.	.	.	Line Assembly - Vacuum control valve aft to firewall . . . . .	1	ALL
-45	168-51801-79	.	.	.	.	.	.	.	Line Assembly - Vacuum control valve forward to firewall . . . . .	1	ALL
-46	AN924-6D	.	.	.	.	.	.	.	Nut - Flared tube bulkhead and universal fitting . . . . .	1	ALL
-47	AN960D916	.	.	.	.	.	.	.	Washer - Plain . . . . .	1	ALL
-48	AN804T6	.	.	.	.	.	.	.	Tee - Flared tube with bulkhead on run . . . . .	1	ALL
-49	AN816-4D	.	.	.	.	.	.	.	Nipple - Flared tube and pipe thread . . . . .	1	ALL
-50	AN913-1	.	.	.	.	.	.	.	Plug - Square head pipe thread (supplies with AN5329-1) . . . . .	1	ALL
-51	AN5829-1	.	.	.	.	.	.	.	Valve - Instrument vacuum control . . . . .	1	ALL
-52	AN807-10D	.	.	.	.	.	.	.	Adapter - Hose to universal . . . . .	1	K,U
-53	AN924-10D	.	.	.	.	.	.	.	Nut - Flared tube bulkhead and universal fitting . . . . .	1	K,U
-54	AN824-10D	.	.	.	.	.	.	.	Tee - Flared tube . . . . .	1	K,U
-55	168-51801-63	.	.	.	.	.	.	.	Line - Air filter to rear panel manifold block . . . . .	1	A
	168-51801-111	.	.	.	.	.	.	.	Line - Air filter to rear panel manifold block . . . . .	1	Z
	182-51801-11	.	.	.	.	.	.	.	Line - Vacuum air filter to rear panel manifold . . . . .	1	K,U
-56	AN924-10D	.	.	.	.	.	.	.	Nut - Flared tube bulkhead and universal fitting . . . . .	1	A,Z
-57	AN849-10D	.	.	.	.	.	.	.	Connector - Hose bulkhead . . . . .	1	A,Z
-58	3H2L10-10	.	.	.	.	.	.	.	Hose (NA) . . . . .	3	A,Z
-59	AN840-10D	.	.	.	.	.	.	.	Adapter - Hose to pipe thread . . . . .	2	A,Z
-60	3H2L8-9	.	.	.	.	.	.	.	Hose (NA) . . . . .	2	A,Z
-61	AN844-8D	.	.	.	.	.	.	.	Elbow - Pipe thread and hose . . . . .	1	A,Z
-62	AN912-4D	.	.	.	.	.	.	.	Bushing - Reducer . . . . .	1	A,Z
-63	AN917-4D	.	.	.	.	.	.	.	Tee - Internal pipe thread . . . . .	1	A,Z
-64	168-51801-109	.	.	.	.	.	.	.	Line - Union to front panel manifold block air . . . . .	1	Z
-65	AN815-10D	.	.	.	.	.	.	.	Union - Flared tube . . . . .	1	Z
-66	168-51801-115	.	.	.	.	.	.	.	Line - Filter to union . . . . .	1	Z
-67	AN822-6-2D	.	.	.	.	.	.	.	Elbow - Flared tube and pipe thread 90° . . . . .	2	ALL,*1

\*1 Reworked per T. O. No. 01-60FPA-39

Section 1  
Group Assembly Parts List

AN 01-60FFA-4  
FUSELAGE (Cont)

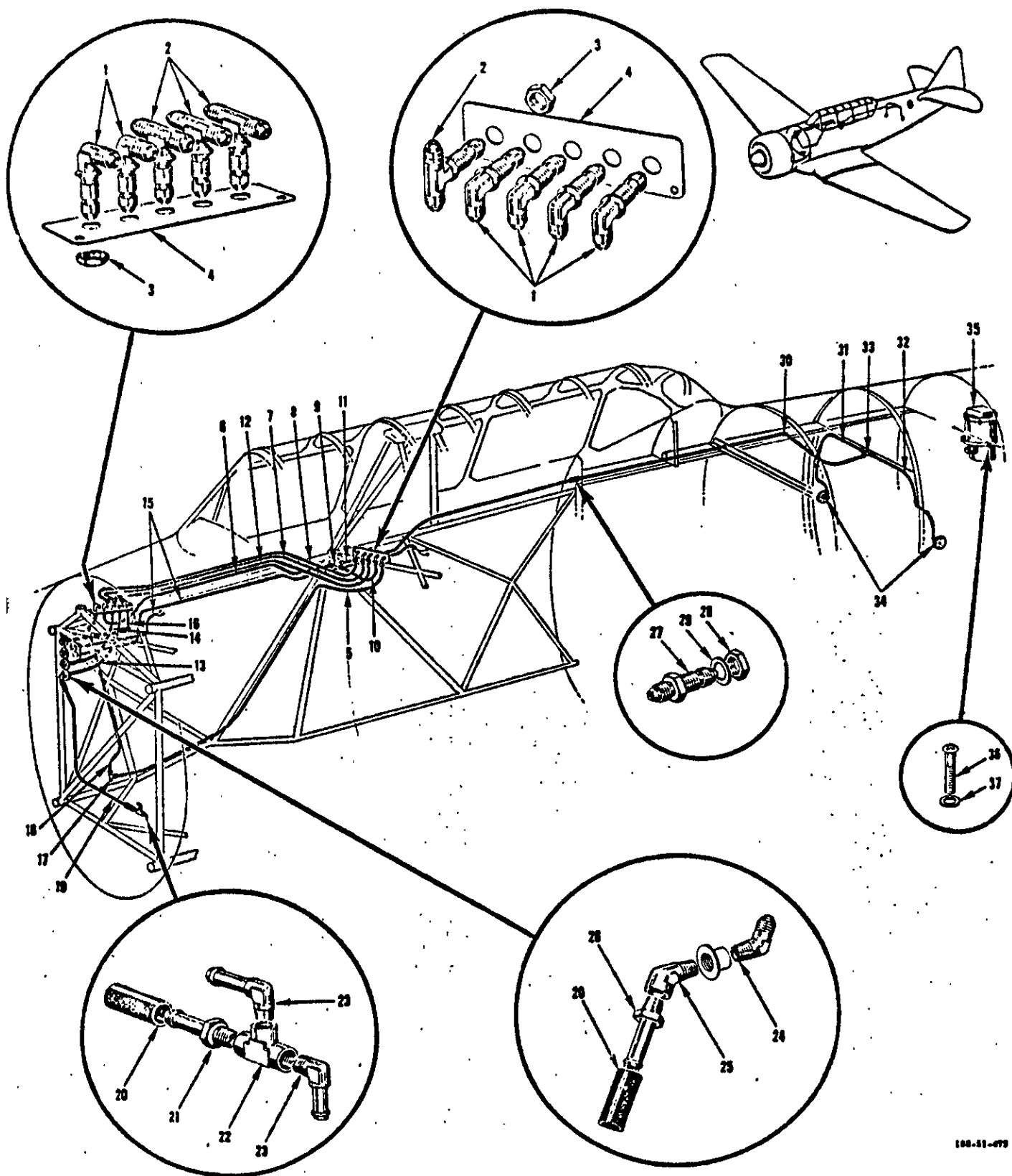


FIGURE 20A - RIGHT SIDE FRONT AND REAR FUSELAGE INSTRUMENT EQUIPMENT

Revised 25 September 1950

FIGURE A INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont.)											
RIGHT SIDE FRONT AND REAR FUSELAGE INSTRUMENT EQUIPMENT											
20A	No Number	Right Side Front and Rear Fuselage Instrument Equipment									
		Instrument Equipment Install - Front fuselage right side									
		(see fig. 20 and 20B for next assembly)									
-1	AN833-4D	.	.	.	.	.	.	.	Elbow - Flared tube bulkhead and universal fitting	NP	ALL
-2	AN834-4D	.	.	.	.	.	.	.	Tee - Bulkhead and universal flared tube	6	ALL
-3	AN924-4D	.	.	.	.	.	.	.	Nut - Flared tube bulkhead and universal fitting	4	ALL
-4	168-51007	.	.	.	.	.	.	.	Plate - Instrument lines connector	10	ALL
-5	168-51801-23	.	.	.	.	.	.	.	Line - Center wing tee to rear panel distributor plate	2	ALL
	168-51801-107	.	.	.	.	.	.	.	airspeed pitot	1	A-
-6	168-51801-11	.	.	.	.	.	.	.	Line - Center wing tee to rear panel distributor plate	1	Z
	168-51801-89	.	.	.	.	.	.	.	airspeed static	1	A1-B20
-7	168-51801-47	.	.	.	.	.	.	.	Line - Rear panel tee to front panel distributor plate	1	B21-
	168-51801-95	.	.	.	.	.	.	.	airspeed static	1	B21-
-8	168-51801-55	.	.	.	.	.	.	.	Line - Front panel distributor plate to rear panel	1	A1-B20
	168-51801-103	.	.	.	.	.	.	.	distributor plate fuel pressure	1	B21-,Z
-9	AN824-4D	.	.	.	.	.	.	.	Line - Front panel distributor plate to rear panel	1	A1-B20
-10	168-51801-17	.	.	.	.	.	.	.	distributor plate manifold pressure	1	B21-,Z
-11	168-51801-9	.	.	.	.	.	.	.	Line - Front panel distributor plate to rear panel	1	ALL
-12	168-51801-51	.	.	.	.	.	.	.	Sta 106 31/32 bulkhead to rear panel tee	1	ALL
	168-51801-99	.	.	.	.	.	.	.	airspeed static	1	ALL
-13	168-51801-45	.	.	.	.	.	.	.	Line - Front instrument panel distributor plate to rear	1	A1-B20
-14	168-51801-93	.	.	.	.	.	.	.	panel distributor plate oil pressure	1	B21-,Z
-15	168-51801-49	.	.	.	.	.	.	.	Line - Front instrument panel distributor plate to rear	1	A1-B20
-16	168-51801-97	.	.	.	.	.	.	.	panel distributor plate oil pressure	1	B21-,Z
-17	168-51801-53	.	.	.	.	.	.	.	Line - Firewall to front panel distributor plate	1	ALL
	168-51801-101	.	.	.	.	.	.	.	Line - Firewall to front distributor plate oil pressure	1	ALL
-18	168-51801-21	.	.	.	.	.	.	.	Line - Firewall to front distributor plate oil pressure	1	ALL
-19	168-51801-42	.	.	.	.	.	.	.	Line - Firewall to front panel distributor plate	1	ALL
-20	AN884-4-10	.	.	.	.	.	.	.	Line - Firewall to front panel distributor plate	1	ALL
-21	168-51013	.	.	.	.	.	.	.	Line - Firewall to front panel distributor plate	1	ALL
-22	AN917-1	.	.	.	.	.	.	.	Line - Firewall to front panel distributor plate	1	ALL
-23	AN842-4D	.	.	.	.	.	.	.	Line - Firewall to front panel distributor plate	1	ALL
-24	811CT45-4	.	.	.	.	.	.	.	Line - Firewall to front panel distributor plate	1	ALL
-25	AN915-1	.	.	.	.	.	.	.	Line - Firewall to front panel distributor plate	1	ALL
-26	AN840-4	.	.	.	.	.	.	.	Line - Firewall to front panel distributor plate	1	ALL
-27	168-51131	.	.	.	.	.	.	.	Line - Firewall to front panel distributor plate	1	ALL
-28	AN832-4D	.	.	.	.	.	.	.	Line - Firewall to front panel distributor plate	1	ALL
-29	AN924-4D	.	.	.	.	.	.	.	Line - Firewall to front panel distributor plate	1	ALL
-30	AN960D716	.	.	.	.	.	.	.	Line - Firewall to front panel distributor plate	1	ALL
-31	168-51801-7	.	.	.	.	.	.	.	Line - Firewall to front panel distributor plate	1	ALL
-32	168-51801-5	.	.	.	.	.	.	.	Line - Firewall to front panel distributor plate	1	ALL
-33	168-51801-3	.	.	.	.	.	.	.	Line - Firewall to front panel distributor plate	1	ALL
-34	AN824-4D	.	.	.	.	.	.	.	Line - Firewall to front panel distributor plate	1	ALL
-35	AN822-4D	.	.	.	.	.	.	.	Line - Firewall to front panel distributor plate	1	ALL
-36	AN5730-3	.	.	.	.	.	.	.	Line - Firewall to front panel distributor plate	1	ALL
-37	10062-1A	.	.	.	.	.	.	.	Line - Firewall to front panel distributor plate	1	ALL
	10062-1B	.	.	.	.	.	.	.	Line - Firewall to front panel distributor plate	1	ALL
	T95750	.	.	.	.	.	.	.	Line - Firewall to front panel distributor plate	1	ALL
	ATTACHING PARTS										
-36	AN515B8R16	.	.	.	.	.	.	.	Screw - Machine round head coarse thread	3	ALL
-37	AN960B8	.	.	.	.	.	.	.	Washer - Plain	3	ALL

FIGURE 20B DELETED

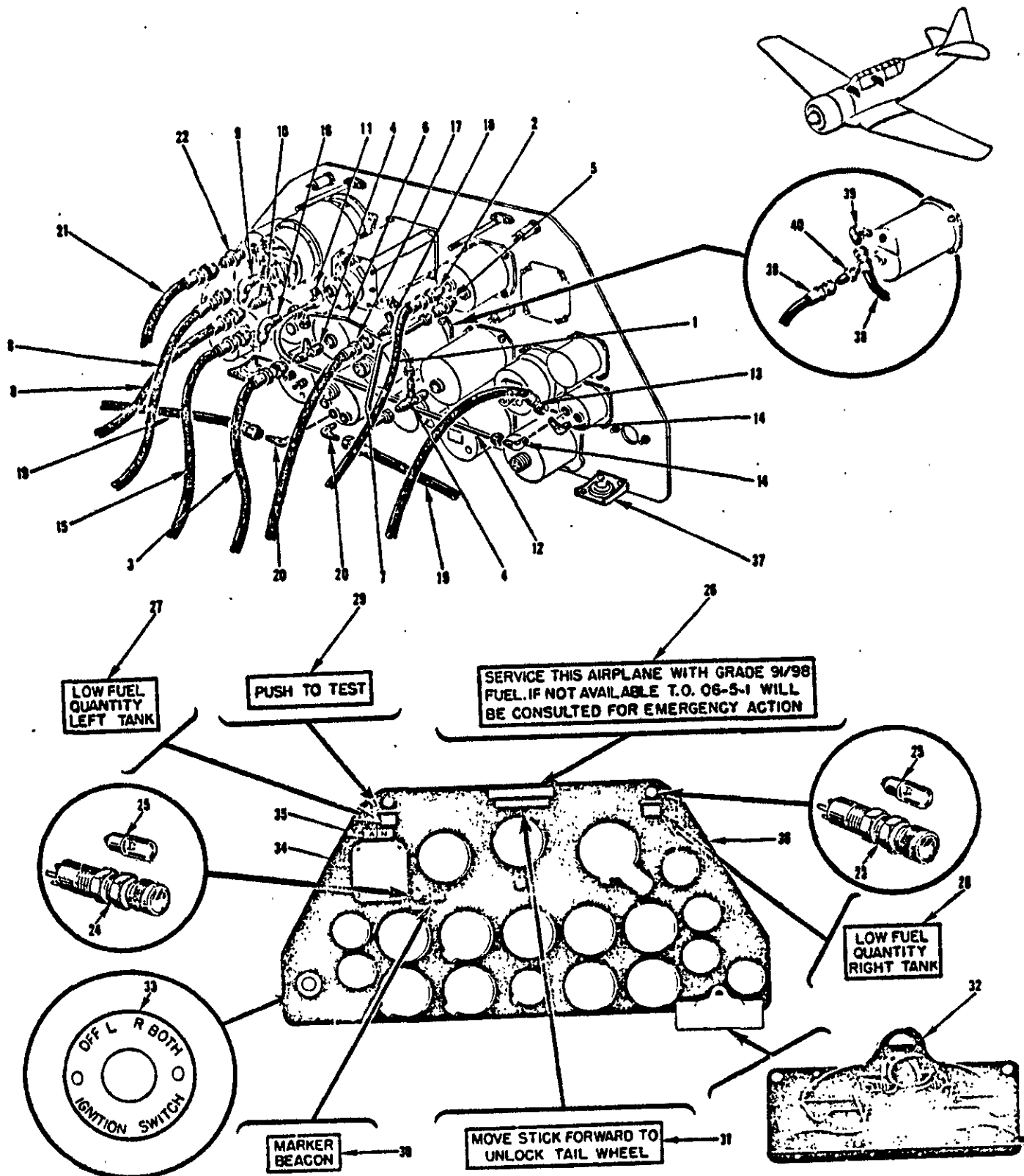


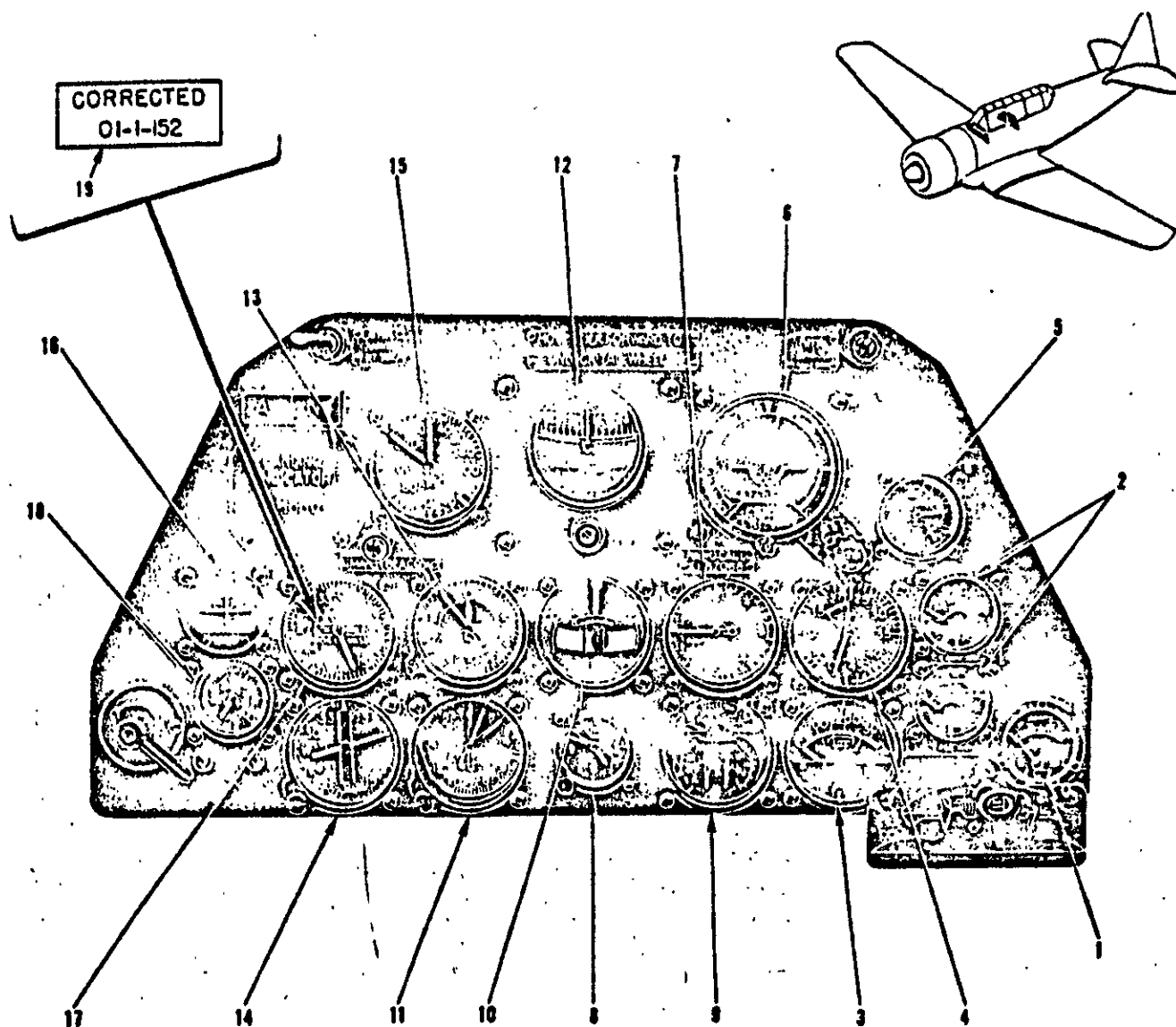
FIGURE 21 - COMPLETE INSTRUMENT PANEL ASSEMBLY



## Group Assembly Parts List

FIGURE & PART NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSelage (Cont)											
COMPLETE INSTRUMENT PANEL ASSEMBLY											
21	168-51005								Panel Assy - Instrument complete (see fig. 20 for next assy)	Ref	A1-A15
	168-51005-10								Panel Assy - Instrument complete (see fig. 20 for next assy)	Ref	A16-D30
	168-51005-20								Panel Assy - Instrument complete (see fig. 20 for next assy)	Ref	D31-091, H51-
	168-51005-30								Panel Assy - Instrument complete aft cockpit (see figure 20 for next assembly)	Ref	Z
	168-51005-40								Panel Assy - Instrument complete (see fig. 20 for next assy)	Ref	Z
	168-51005-50								Panel Assy - Instrument complete (see fig. 20B for next assy)	Ref	K,U
-1	AN6270-4-19								Hose Assy - Detachable swivel fitting low pressure	1	ALL
-2	AN816-4D								Nipple - Flared tube and pipe thread	1	ALL
-3	AN6270-4-19								Hose Assy - Detachable swivel fitting low pressure	1	ALL
-4	AN826-4D								Tee - Flared tube pipe thread on run	2	ALL
-5	AN816-4D								Nipple - Flared tube and pipe thread	1	ALL
-6	168-51801-13								Line Assy - Airspeed static altimeter to rate of climb indicator	1	A
-7	182-51801-13								Line Assy - Airspeed static indicator to altimeter	1	K,U
-8	168-51801-15								Line Assy - Airspeed static airspeed indicator to altimeter	1	ALL
-9	AN6270-6-16								Hose Assy - Detachable swivel fitting low pressure	2	ALL
-10	AN823-6D								Elbow - Flared tube and pipe thread 45°	1	ALL
-11	AN822-6D								Elbow - Flared tube and pipe thread 90°	1	ALL
-12	AN822-4-4D								Elbow - Flared tube and pipe thread 90°	1	ALL
-13	168-51801-33								Line Assy - Vacuum gyro hor indicator to suction gage	1	ALL
-14	AN6270-4-16								Hose Assy - Detachable swivel fitting low pressure	1	ALL
-15	AN823-4D								Elbow - Flared tube and pipe thread 45°	1	ALL
-16	AN6270-6-13								Hose Assy - Detachable swivel fitting low pressure	1	ALL
-17	AN823-6D								Elbow - Flared tube and pipe thread 45°	1	ALL
-18	AN6270-6-16								Hose Assy - Detachable swivel fitting low pressure	1	ALL
-19	AN822-6D								Elbow - Flared tube and pipe thread 90°	1	ALL
-20	AN6270-4-13								Hose Assy - Detachable swivel fitting low pressure	1	ALL
-21	AN823-4D								Elbow - Flared tube and pipe thread 45°	2	ALL
-22	AN6270-4-14								Hose Assy - Detachable swivel fitting low pressure	3	ALL
-23	AN816-4D								Nipple - Flared tube and pipe thread	1	ALL
	AN3157-2								Light Assy - Press to test indicator	2	A16-091, H51-
-24	AN3157-4								Light Assy - Press to test indicator	4	Z
-25	AN3121-313								Lamp - T3 1/4 Bulb single contact miniature bayonet base	1	ALL
	AN3121-313								Lamp - T3 1/4 Bulb single contact miniature bayonet base	3	A16-091, H51-
-26	168-51314								Decal - Fuel servicing	5	A16-091, H51-
-27	168-51315								Decal - Low fuel quantity left tank	1	ALL
-28	168-51316								Decal - Low fuel quantity right tank	1	ALL
-29	168-51317								Decal - Indicator lights	1	ALL
-30	168-51318								Decal - Marked beacon	1	ALL
-31	168-51319								Decal - Instrument panel tail wheel unlock	1	ALL
-32	168-53026								Holder - Radio facilities chart 1	1	A16-091, H51-
-33	168-53029								List - Pilot's check	1	Z
-34	55-54053								Plate - Ignition switch indicator	1	ALL
	168-51006								Cover - Instrument mounting hole (this provision is for instl of QFP inst landing indicator type 1-101D)	1	A16-091, H51-
-35	168-51006-3								Cover - Instrument mounting hole (this provision is for instl of QFP inst landing indicator type 1-101D)	1	K, Z,U
-36	168-51022								Indicator Assembly - Course complete	1	A16-091, H51-
	168-51003								Panel Assembly - Instrument	1	A16-091, H51-
	168-51003-10								Panel Assembly - Instrument	1	Z
	168-51003-20								Panel Assembly - Instrument	1	Z
	168-51003-30								Panel Assembly - Instrument	2	K
-37	168-53029-3								List - Pilot's check	1	Z
	168-51008								Support Assy - Instrument panel lower	1	ALL
	AN8008D10								Insulator - Vibration	1	ALL
-38	No Number								Pilot's Instruments (see fig. 22 for detail breakdown)	NP	ALL
-39	AN6270-4-12 1/2								Hose Assy - Detachable swivel fitting low pressure	2	ALL,*1
-40	AN822-4D								Elbow - Flared tube and pipe thread 90°	1	ALL,*1
	AN816-4D								Nipple - Flared tube and pipe thread	1	ALL,*1

\*1 Reworked per T. O. No. 01-60PFA-4



100-31-427A

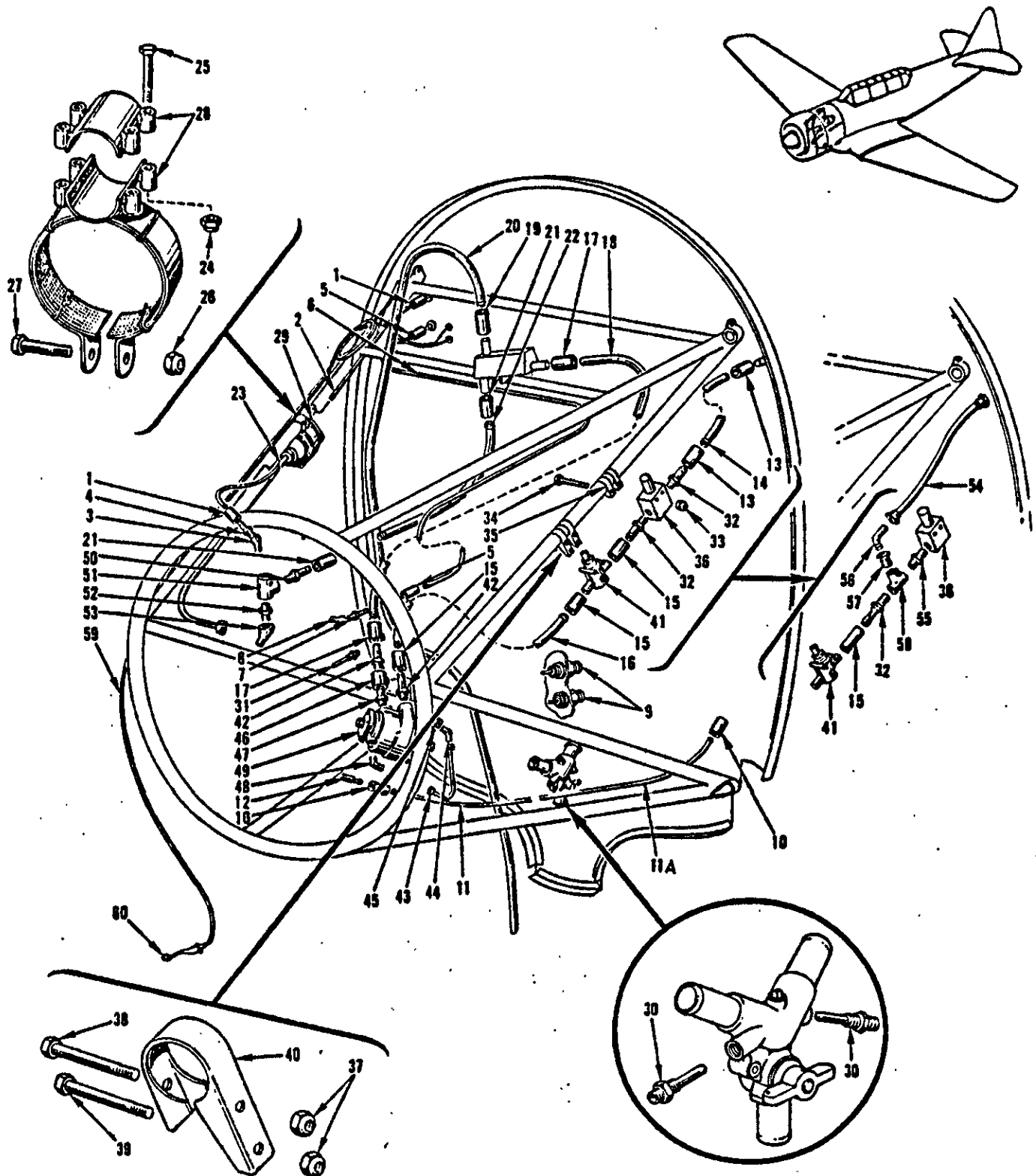
FIGURE 22 - PILOT'S INSTRUMENTS

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)											
PILOT'S INSTRUMENTS											
22	No Number	Pilot's Instruments (see figure 21 for next assembly)								NP	ALL
-1	102491	. Ammeter - Type F-1 (GFP) (Spec. No. 94-32284) (for a list of detail parts refer to AN 05-1-54) (WAH)								1	ALL
-2	AN5790-6	. Indicator Assy - Electrical resistance type thermometer single (GFP) for a list of detail parts refer to:								2	ALL
	10283A	. . . . AN 05-40B-5 (ELA)									
	10498A	. . . . AN 05-40B-5 (ELA)									
	60014	. . . . AN 05-40B-6 (HIE)									
	60014A	. . . . AN 05-40B-6 (HIE)									
	110077	. . . . AN 05-40B-12 (WAH)									
	33204	. . . . AN 05-40BA-2 (ES)									
	35350	. . . . AN 05-40BA-2 (ES)									
-3		. Indicator Assy - Cylinder head temperature type B-9 (GFP) (Spec. No. 94-27928) for a list of detail parts refer to:								1	ALL
	No Number	. . . . AN 05-40D-1 (DJA)									
	110430	. . . . AN 05-40D-5 (WAH)									
	17AT4B	. . . . AN 05-40D-2 (LEN)									

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									FUSELAGE (Cont) PILOT'S INSTRUMENTS (Cont)		
22-4									Indicator Assy - Electric tachometer type E13 (type E9A may be substituted) (GFP) (Spec. No. 94-27354) (for a list of detail parts refer to: . . . . .)	1	ALL
	8DJ13ABN								AN 05-5-4 (OE)		
	8DJ13ABN24								AN 05-5-6 (OE)		
	8DJ3ABN25								AN 05-5-6 (OE)		
	8DJ13ABN26								AN 05-5-6 (OE)		
	8DJ13ABN27								AN 05-5-6 (OE)		
	AN5530-1								Indicator may be substituted		
-5	AW1-7/8-32AF4								Gage - Absolute pressure manifold (UG)	1	ALL
-6	AN5736-1								Indicator Assy - Gyro horizontal (GFP) (for a list of detail parts refer to: . . . . .)	1	ALL
	T99100								AN 05-200N1 (TEM)	1	ALL
	JHG400A								AN 05-200C2 (JH)		
	AN5716-1A								may be substituted		
-7									Indicator Assy - Rate of climb type C2 (GFP) (Spec. No. 94-27967) (for a list of detail parts refer to: . . . . .)	1	ALL
	1636-6A-A1								AN 05-20-17 (ECP)		
	1636-6A-B1								AN 05-20-17 (ECP)		
	1636-6H-B1								AN 05-20-17 (ECP)		
	1636-6M-B1								AN 05-20-17 (ECP)		
	1636-6M-B2								AN 05-20-17 (ECP)		
	No Number								AN 05-20-27 (KO)		
	AN5825-1								may be substituted. For a list of detail parts refer to:		
	1636-6A-B1								AN 05-20-17 (ECP)		
	1636-6H-B1								AN 05-20-17 (ECP)		
-8									Clock - Aircraft type A11 (Spec. No. AN-C99) or AN5743-1 (GFP) for a list of detail parts refer to: . . . . .	1	ALL
	1776								AN 05-35A6 (EO)		
	22809A								AN 05-35A7 (WW)		
-9	AN5773-1 or -2								Gage Unit - Engine with electric thermometer (GFP) for a list of detail parts refer to: . . . . .	1	ALL
	10322A								AN 05-75AA2 (ELA)		
	Type B8 (Spec. No. 94-27423)								may be substituted		
-10	AN5819-3								Indicator - Bank and turn (GFP)	1	*1
	AN5820-1								Indicator - Bank and turn (GFP) (AN5820-2 may be substituted)	1	ALL
-11									Accelerometer - Aircraft (GFP) for a list of detail parts refer to: . . . . .	1	ALL
	381S03								AN 05-20-23 (type B3) (Spec. No. 94-27960) (KO)		
	3415-2M-A								AN 05-20-52 (AN5745-2A) (ECP)		
-12									Indicator Assy - Directional gyro (GFP) (Spec. No. AN1-28) for a list of detail parts refer to: . . . . .	1	ALL
	JH5500								AN 05-20HC1 (JH)		
	AN5735-1								AN 05-20HD4 (SPE)		
	AN5735-2 or AN5735-2A								may be substituted		
-13									Altimeter - Pressure (GFP) for a list of detail parts refer to: . . . . .	1	ALL
	671K03								AN 05-30-18 Type C12 (Spec. No. 94-27957A) (KO)		
	671BK03								AN 05-30-18 Type C12 (Spec. No. 94-27957A) (KO)		
	671BK010								AN 05-30-18 Type C12 (Spec. No. 94-27957A) (KO)		
	671BU010								AN 05-30-18 Type C12 (Spec. No. 94-27957A) (KO)		
	371K05								AN 05-30-18 Type C13 (Spec. No. 94-27958) (KO)		
	671BK07								AN 05-30-18 Type C16 (Spec. No. 94-27386) (KO)		
	671BK011								AN 05-30-18 Type C16 (Spec. No. 94-27386) (KO)		
	371K010								AN 05-30-18 AN5760-1 or AN5760-1A (KO)		
	671CK010								AN 05-30-18 AN5760-2 or AN5760-2A (KO)		
	671CKL010								AN 05-30-18 AN5760-2 or AN5760-3A (KO)		
	671CK018								AN 05-30-18 AN5760-4 or AN5760-4A (KO)		
-14	AN5730-2A, 2B, or 6A								Compass - Remote indicating magnetic (GFP) for a list of detail parts refer to: . . . . .	1	ALL
	10061-1A-A1								AN 05-15-5 (ECP)		
	10061-1D-A1								AN 05-15-5 (ECP)		
	10061-1E-A1								AN 05-15-5 (ECP)		
	T95660								AN 05-15-19 (TEM)		
-15	586BK0110								Indicator Assy - Airspeed (GFP) type C14 (Spec. No. 94-27952) for a list of detail parts refer to: AN 05-10-21 (KO)	1	ALL
-16									Compass - Pilot's stand-by type B21 (GFP) (Spec. No. 27471A) for a list of detail parts refer to: . . . . .	1	ALL
	814B								AN 05-15-30 (KO)		
	814B02								AN 05-15-30 (KO)		
	814BN5-02								AN 05-15-30 (KO)		
	AN5766-2								may be substituted		
-17	No Number								Compass - Radio type T81A	1	A, *2
-18	No Number								Compass - Radio type 1D70A/ARN6	1	K, Z, U Y
									Gage - Suction (GFP) for a list of detail parts refer to: . . . . .	1	ALL
	6704-185								T.O. 05-80-1 AN5771-5 (MMM)		
	AW1-7/8-21AK								T.O. 05-80-1 AN5771-5 (UG)		
	6704-152								T.O. 05-80-1 Type F4 (MMM)		
	18610								T.O. 05-80-1 Type F4 (MMM)		
	AW1-7/8-21Q								T.O. 05-80-1 Type F4 (UG)		
-19	159-71051								Decalcomania - Radio compass indicator calibration	2	ALL

\*1 Removed per T. O. No. 01-60PFA-39

\*2 Not used on modified airplanes coded Y



100-51-432B

FIGURE 23 - ENGINE INSTRUMENT EQUIPMENT

Revised 3 April 1951

Section II  
Group Assembly Ports List

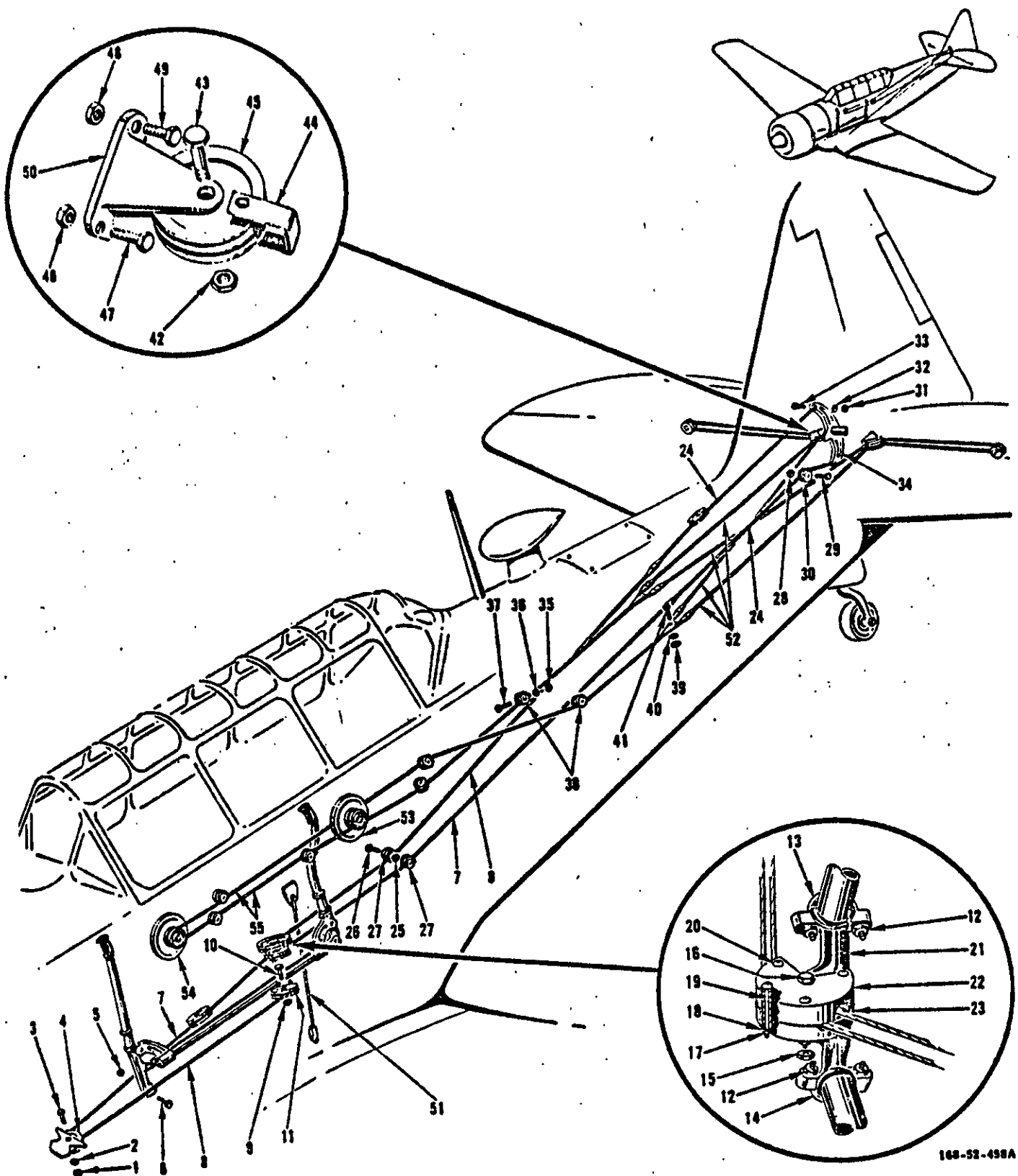
AN 01-60FFA-4

FIGURE & PART NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont) ENGINE INSTRUMENT EQUIPMENT											
23	168-51040	Instrument Equipment Installation - Engine (see figure 20 for next assembly)									NP A, Z
	168-51040-100	Instrument Equipment Installation - Engine (see figure 20 for next assembly)									NP K, U
-1	3H2-4-13	Hose (NA)									2 ALL
-2	168-51801-60	Line - Manifold pressure engine to firewall instrument									1 ALL
-3	AN915-1	Elbow - External and internal pipe thread									1 ALL
-4	AN840-4	Adapter - Hose to pipe thread									1 ALL
-5	3H2-4-13	Hose (NA)									2 ALL
-6	168-51801-72	Line - Oil pressure engine to firewall instrument									1 ALL
-7	58-51083	Adapter - Hose to pipe thread									1 ALL
-8	88-51313	Elbow - Engine oil pressure line connection									1 ALL
-9	AN5525-1	Bulb - Electrical resistance type thermometer (-70° C to -150° C) (GFP)									2 ALL
-10	3H2-4-13	Hose (NA)									2 ALL
-11	168-51801-104	Line - Fuel pressure carburetor to hose connection instrument (168-51801-104 together with 168-51801-106 supersedes 168-51801-70 for future procurement)									1 ALL
-11A	168-51801-106	Line - Fuel pressure hose connection to firewall tee instrument (168-51801-106 together with 168-51801-104 supersedes 168-51801-70 for future procurement)									1 ALL
-12	AN844-4-13	Elbow - Pipe thread and hose 45°									2 ALL
-13	3H2-10-14	Hose (NA)									1 A, Z
-14	168-51801-38	Line - Vacuum shut-off valve to firewall instrument									1 K, U
-15	182-51801-15	Line - Vacuum shut-off valve to firewall instrument									3 ALL
-16	3H2-10-14	Hose (NA)									1 *
-17	88-51876	Line - Vacuum pump to vacuum relief valve vacuum									1 ALL
-18	168-51801-87	Line Assembly - Vacuum pump to air filter									2 ALL
-19	3H2-10-14	Hose (NA)									1 ALL
-20	77-51801	Line - Oil separator to vacuum pump vacuum									1 ALL
-21	3H2-8-13	Hose (NA)									2 ALL
-22	88-51879	Line - Oil separator to engine vacuum									1 ALL
-23	AN5533-5	Shaft - Tachometer (GFP) (for a list of detail parts refer to T.O. 05-5B-2)									1 ALL
-24	AN365-1032	Nut - Self locking 250° F									4 ALL
-25	AN3-11A	Bolt - Aircraft 10-32									4 ALL
-26	AN365-428	Nut - Self locking 250° F									1 ALL
-27	AN4-11A	Bolt - Aircraft 1/4-28									1 ALL
-28	168-51047	Bracket Assembly - Tachometer generator support (supersedes 168-51045 and 168-51045-20)									1 ALL
-29	AN5531-2	Generator Assembly - Electric indicator (GFP) (for a list of detail parts refer to T.O. 05-5B-3)									1 ALL
-30	AN5525-2	Bulb - Electrical resistance type thermometer -70° C to plus 150° C (GFP)									2 ALL
-31	174N90D	Bulb - Dual carburetor air temperature (EDI)									1 ALL
-32	AN840-10D	Adapter - Hose to pipe thread									2 ALL
-33	AN365-1032	Nut - Self locking 250° F									2 ALL
-34	AN3-27A	Bolt - Aircraft 10-32									2 ALL
-35	Q901-20	Clamp (CAC)									2 ALL
-36	10171	Valve Assembly - Normally open solenoid air (Carma Mfg. Co.) 03-30AS-2									1 ALL
-37	AN365-1032	Nut - Self locking 250° F									4 ALL
-38	AN3-23A	Bolt - Aircraft 10-32									2 ALL
-39	AN3-16A	Bolt - Aircraft 10-32									2 ALL
-40	Q911-20-9	Clamp (CAC)									2 ALL
-41	No Number	Valve - Vacuum relief type B-12 (Spec. 95-28391) (GFP)									1 ALL
-42	AN840-10D	Adapter - Hose to pipe thread (1 removed per T.O. No. 01-60FFA-39)									2 ALL
-43	168-51801-30	Line - Vacuum pump by-pass assembly instrument									1 ALL
-44	811CT4D	Fitting - Solderless									1 ALL
-45	AN912-6D	Bushing - Reducer									1 ALL
-46	AN917-4D	Tee - Internal pipe thread									1 ALL
-47	AN911-4D	Nipple - Pipe thread									1 ALL
-48	28-51071	Elbow Assembly - Vacuum pump									1 ALL
-49	No Number	Pump - Vacuum type B-12 (GFP) (Spec. 28391) (for a list of detail parts refer to T.O. 03-30AH-1)									1 ALL
-50	AN840-8D	Adapter - Hose to pipe thread									1 ALL
-51	AN917-3D	Tee - Internal pipe thread									1 ALL
-52	AN911-3D	Nipple - Pipe thread									1 ALL
-53	AN915-3	Elbow - Internal and external pipe thread 45°									1 ALL
-54	168-51801-85	Line Assembly - Air filter to bulkhead fitting at firewall									1 ALL, *1
-55	AN911-4D	Nipple - Pipe thread									1 ALL, *1
-56	AN822-6-6D	Elbow - Flared tube and pipe thread 90°									1 ALL, *1
-57	AN912-4D	Bushing - Reducer									1 ALL, *1
-58	AN917-4D	Tee - Internal pipe thread									1 ALL, *1
-59	168-51081-7	Lead Assy - Cylinder head temperature instrument									1 ALL
	AN5540-2	Thermocouple - Aircraft engine gasket type									1 ALL

\*1 Reworked per T. O. No. 01-60FFA-39

Section 11  
Group Assembly Parts List

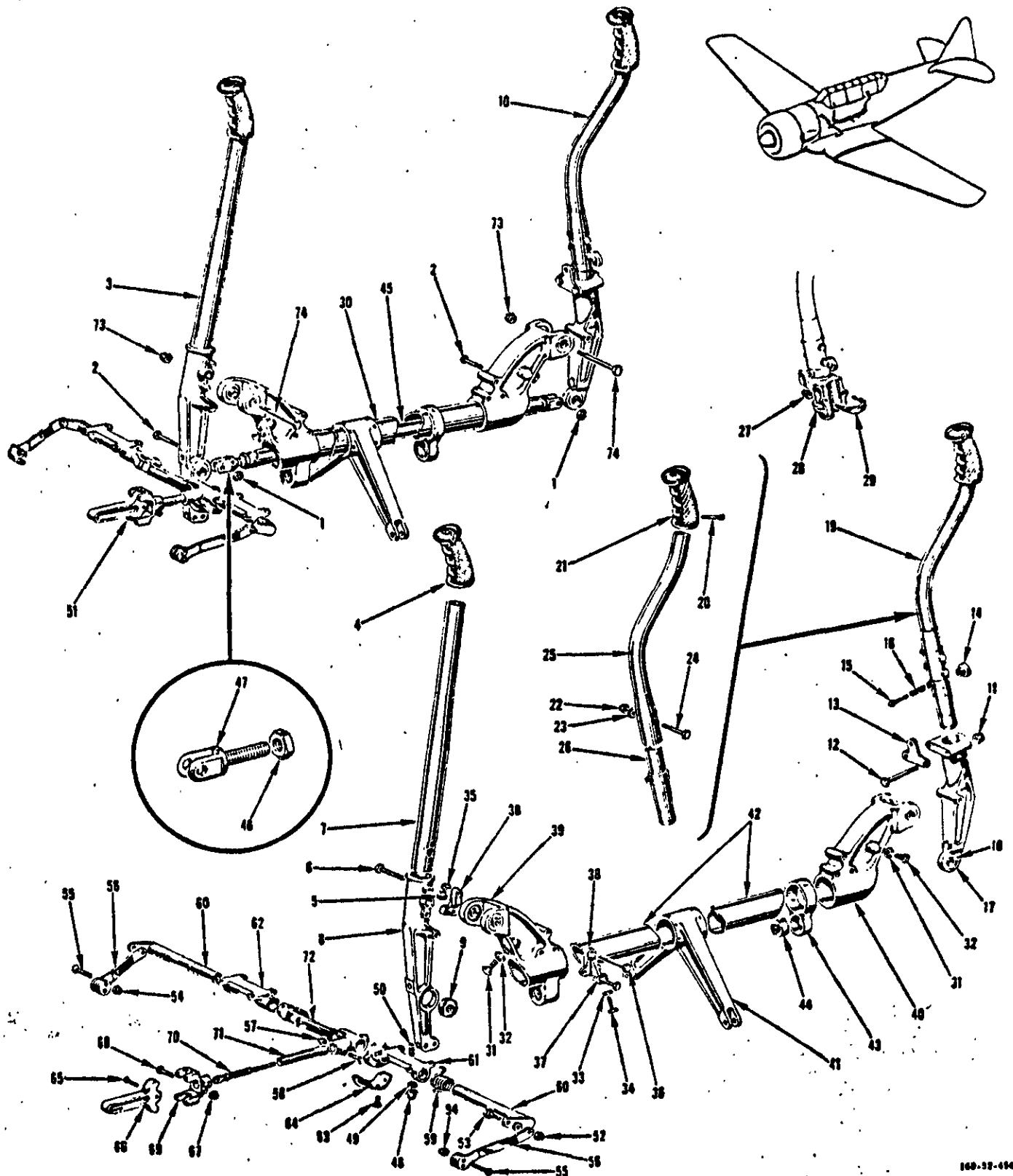
AN 01-60FPA-4  
FUSELAGE (Cont)



168-52-498A

FIGURE 24 - SURFACE CONTROLS

FIGURE & PART NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									FUSELAGE (Cont) SURFACE CONTROLS		
24	168-52031								Surface Controls Installation - Modification (see figure 1 for next assembly)	MF	ALL
	No Number								Control Stick and Lock Assembly (see figure 25 for detail breakdown)	MF	ALL
	No Number								Rudder and Rudder Trim Tab Controls (see figure 27 for detail breakdown)	MF	ALL
-1	AN310-6								Nut - Castellated airframe	1	ALL
-2	AN960-616								Washer - Plain	1	ALL
-3	AN6-13								Bolt - Aircraft 3/8-24	1	ALL
-4	AN210-5A								Pulley - Anti-friction bearing control	1	ALL
-5	AN320-3								Nut - Castle shear	2	ALL
-6	AN23-13								Bolt - Clevis 10-32	2	ALL
-7	121-52217								Cable Assembly - Elevator lower	1	ALL
-8	121-52218								Cable Assembly - Elevator upper	1	ALL
-9	AN310-4								Nut - Castellated airframe	1	ALL
-10	AN4-22								Bolt - Aircraft 1/4-28	1	ALL
-11	AN210-4A								Pulley - Anti-friction bearing control	1	ALL
-12	AN365-428								Nut - Self locking	4	ALL
-13	5B6-24								Bolt - U	1	ALL
-14	5E5-20								Bolt - U	1	ALL
-15	AN310-4								Nut - Castellated airframe	1	ALL
-16	AN4-17								Bolt - Aircraft 1/4-28	1	ALL
-17	AN365-832								Nut - Self locking	4	ALL
-18	AN960-416								Washer - Plain	4	ALL
-19	4S3D8-45								Spacer - Bolt	4	ALL
-20	AN520-10-12								Screw - Round head machine fine thread	4	ALL
-21	55-52209								Bracket - Fuselage station 5 elevator cable pulley	1	ALL
-22	55-52221								Guard - Fuselage station 5 cable pulley upper	1	ALL
-23	55-52222								Guard Assembly - Fuselage station 5 cable pulley lower	1	ALL
-24	121-52219								Cable Assembly - Elevator control front	2	ALL
-25	AN310-4								Nut - Castellated airframe	1	ALL
-26	AN4-14								Bolt - Aircraft 1/4-28	1	ALL
-27	AN210-3A								Pulley - Anti-friction bearing control	2	ALL
-28	AN310-4								Nut - Castellated airframe	1	ALL
-29	AN4-10								Bolt - Aircraft 1/4-28	1	ALL
-30	AN210-3A								Pulley - Anti-friction bearing control	1	ALL
-31	AN320-3								Nut - Castle shear	2	ALL
-32	AN960-10								Washer - Plain	2	ALL
-33	AN23-15								Bolt - Clevis 10-32	2	ALL
-34	88-52205								Horn Assembly - Elevator complete	1	ALL
-35	AN310-3								Nut - Castellated airframe	2	ALL
-36	AN960-10								Washer - Plain	2	ALL
-37	AN3-6								Bolt - Aircraft 10-32	2	ALL
-38	AN210-1A								Pulley - Anti-friction bearing control	2	ALL
-39	AN320-3								Nut - Castle shear	2	ALL
-40	AN960-10								Washer - Plain	2	ALL
-41	AN23-11								Bolt - Clevis 10-32	2	ALL
-42	AN310-3								Nut - Castellated airframe	2	ALL
-43	AN3-12								Bolt - Aircraft 10-32	2	ALL
-44	19-52524								Guard - Trim aft pulley	2	ALL
-45	AN210-2A								Pulley - Anti-friction bearing control	4	ALL
-46	AN310-5								Nut - Castellated airframe	2	ALL
-47	AN5-14								Bolt - Aircraft 5/16-24	2	ALL
-48	AN365-428								Nut - Self locking	2	ALL
-49	AN4-12A								Bolt - Aircraft 1/4-28	2	ALL
-50	55-52503								Bracket - Elevator trim tab rear left pulley	1	ALL
-51	55-52504								Bracket - Elevator trim tab rear right pulley	1	ALL
-52	168-52612								Cable Assembly - Flap position indicator	1	ALL
-53	66-52527								Cable and Drum Assembly - Elevator trim rear	Ref	
-54	55-52515-3								Wheel Assembly - Elevator trim tab control	Ref	
-55	55-52515-2								Wheel Assembly - Elevator trim tab control	Ref	
-55	66-52528								Cable Assembly - Elevator trim tab control forward	Ref	



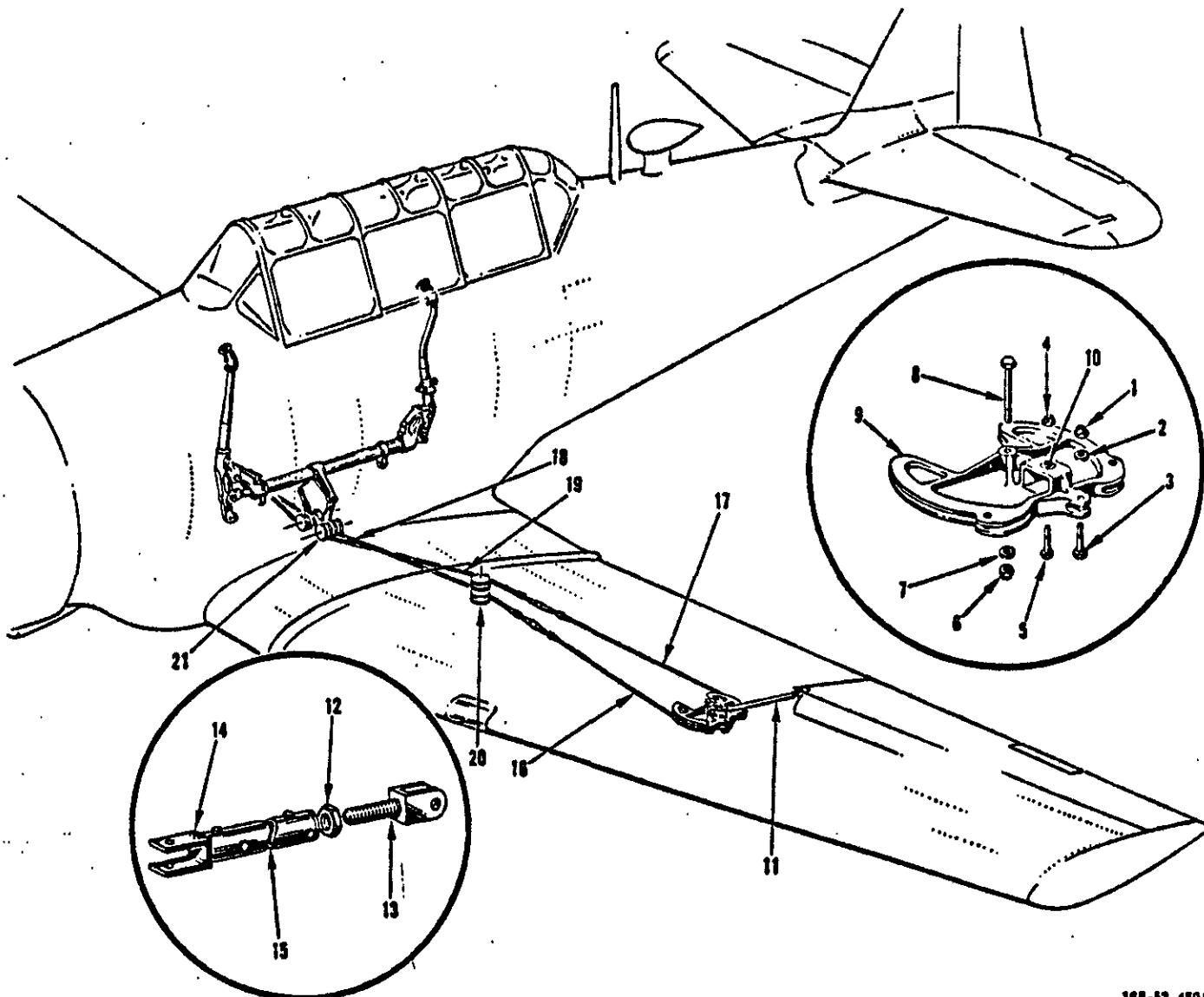
100-37-494

FIGURE - 25 CONTROL STICK AND LOCK ASSEMBLY



FIGURE 2 INDEX NUMBER		PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)												
CONTROL STICK AND LOCK ASSEMBLY												
25	No Number	Control Stick and Lock Assembly (see figure 24 for next assembly)									NP	ALL
-1	AN320-5	Nut - Castle shear									2	ALL
-2	AN25-18	Bolt - Clevis 5/16-24									2	ALL
-3	168-52103	Stick Assembly - Front cockpit control (modification)									1	A, *1
-4	168-52103-10	Stick Assembly - Front cockpit control (modification)									1	Z, Y
-5	AN8003-1	Grip - Control stick pistol type									1	A, *1
-6	No Number	Grip - Type R6 (Spec. 24901) (OPF)									1	Z, Y
-7	AN365-428	Nut - Self locking 250°P									2	ALL
-8	AN4-22A	Bolt - Aircraft 1/4-28									2	ALL
-9	19-52113-4	Stick - Cockpit control									1	ALL
-10	52-52103	Socket Assembly - Front cockpit control stick									1	ALL
-11	AN200K5	Bearing - Heavy duty ball									1	ALL
-12	168-52102	Stick Assy - Rear cockpit complete control (modification)									1	ALL
-13	AN365-1032	Nut - Self locking									2	ALL
-14	AN3-21A	Bolt - Aircraft 10-32									2	ALL
-15	19A52122	Plate - Rear cockpit stick release									1	ALL
-16	19A52119	Knob - Rear cockpit stick release									1	ALL
-17	19A52120	Plunger - Rear cockpit stick release									1	ALL
-18	19A52121	Spring - Rear cockpit stick release									1	ALL
-19	168-52104	Socket Assembly - Rear cockpit control stick									1	ALL
-20	AN200KP5	Bearing - Heavy duty ball									1	ALL
-21	168-52105	Stick Assembly - Rear cockpit control (modification)									1	ALL
-22	AN501-10-24	Screw - Fillister head fine thread									1	ALL
-23	AN8003-1	Grip - Control stick pistol type									1	ALL
-24	AN104-1032	Nut - Self locking									2	ALL
-25	AN400D10	Washer - Plain									2	ALL
-26	AN3-17A	Bolt - Aircraft 10-32									2	ALL
-27	168-52106	Stick - Rear cockpit control									1	ALL
-28	19A52118	Fitting Assembly - Rear cockpit control stick									1	ALL
-29	AN365-428	Nut - Self locking									2	ALL
-30	77-52105	Bracket - Rear cockpit control stick stowage									1	ALL
-31	5B6-20	Bolt - U									1	ALL
-32	168-52111	Tube Assy - Control stick aileron torque (modification)									1	ALL
-33	5B3-12	Bolt - Adjustment									2	ALL
-34	AN316-5R	Nut - Check									2	ALL
-35	AN316-5R	Nut - Check									2	ALL
-36	5B3-14	Bolt - Adjustment									2	ALL
-37	AN365-428	Nut - Self locking									3	ALL
-38	AN4-35A	Bolt - Aircraft 1/4-28									1	ALL
-39	AN4-31A	Bolt - Aircraft 1/4-28									2	ALL
-40	52-52107	Stop - Control stick aileron torque tube									2	ALL
-41	88-52105	Fitting Assy - Control stick aileron torque tube front									1	ALL
-42	88-52105-2	Fitting Assy - Control stick aileron torque tube aft									1	ALL
-43	88-52108	Arm - Control stick aileron torque tube									1	ALL
-44	168-52111-3	Tube - Control stick aileron torque (modification)									1	ALL
-45	19-52107	Hinge - Stick control aileron torque tube									1	ALL
-46	AN200K5	Bearing - Heavy duty ball									1	ALL
-47	168-52112	Tube Assy - Elevator control stick connecting (modification)									1	ALL
-48	AN316-8R	Nut - Check									1	ALL
-49	52-52116	Clevis - Elevator control stick connecting tube adjustable									1	ALL
-50	AN365-1032	Nut - Self locking									8	ALL
-51	2W1-13-16-32	Washer - Plain									8	ALL
-52	NAS221-16	Screw - Brazier head Phillips recess alloy steel 10-32									8	ALL
-53	55-52118-2	Lock Assembly - Surface controls									1	ALL
-54	AN310-3	Nut - Castellated airframe									2	ALL
-55	AN23-10	Bolt - Clevis 10-32									2	ALL
-56	AN365-832	Nut - Self locking									4	ALL
-57	NAS220-14	Screw - Brazier head Phillips recess alloy steel 8-32									4	ALL
-58	19-52455	Link - Rudder pedal lock									2	ALL
-59	AN365-428	Nut - Self locking									2	ALL
-60	AN4-13A	Bolt - Aircraft 1/4-28									2	ALL
-61	55-52119	Spring - Surface control lock									1	ALL
-62	19-52454	Lever Assembly - Rudder pedal lock									2	ALL
-63	19-52120	Bearing - Control surface lock LH									1	ALL
-64	19-52121	Bearing - Control surface lock RH									1	ALL
-65	AN501A416-8	Screw - Fillister head fine thread									3	ALL
-66	55-52126	Plate Assembly - Control surface lock									1	ALL
-67	AN372-17	Pin - Flat head 1/8									1	ALL
-68	23-52123	Release - Control surface lock handle									1	ALL
-69	AN365-1032	Nut - Self locking									1	ALL
-70	AN3-12A	Bolt - Aircraft 10-32									1	ALL
-71	23-52128	Fitting - Control surface handle release attaching									1	ALL
-72	23-52122	Plunger Assembly - Control surface lock									1	ALL
-73	23-52124	Handle - Control surface lock									1	ALL
-74	19-52119	Housing - Control surface lock									1	ALL
-75	168-52506	Shelf Assembly - Controls complete (modification) (see figure 29 for detail breakdown)									1	ALL
-76	AN310-5	Nut - Castellated airframe									2	ALL
-77	AN5-35	Bolt - Aircraft 5/16-24									2	ALL

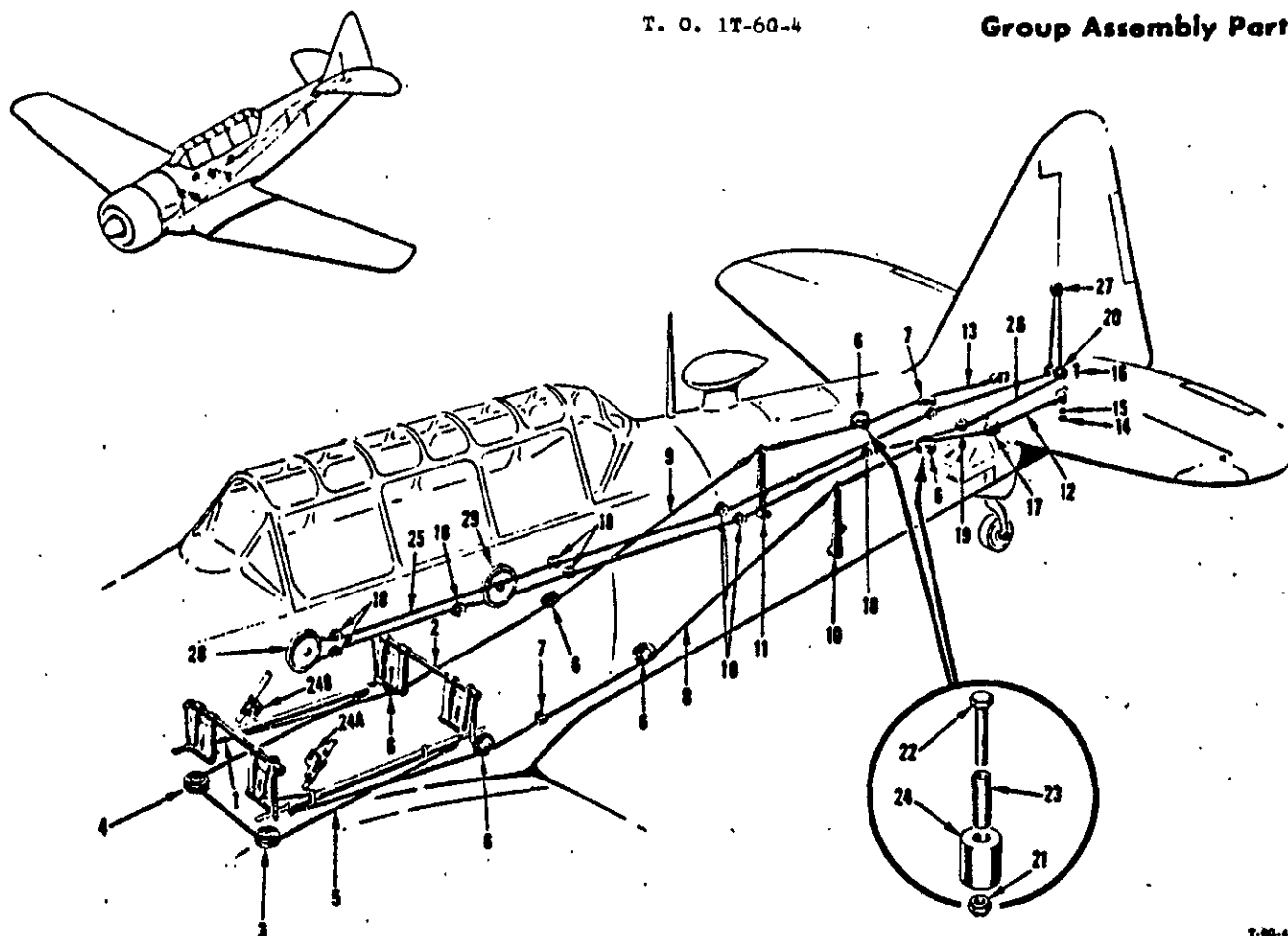
\*1 Not used on modified airplanes coded Y



100-32-459A

FIGURE - 26 AILERON CONTROLS

FIGURE & RIGHT NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									FUSELAGE (Cont)		
									AILERON CONTROLS		
26	No Number								Aileron Controls		
									Outer Wing Aileron Control Equipment (see figure 3 for next assembly)	NP	ALL
-1	AN365-1032								Nut - Self locking	1	ALL
-2	AN960-10L								Washer - Plain	1	ALL
-3	AN3-10A								Bolt - Aircraft 10-32	1	ALL
-4	AN310-4								Nut - Castellated airframe	1	ALL
-5	AN4-11								Bolt - Aircraft 1/4-28	1	ALL
-6	AN310-4								Nut - Castellated airframe	1	ALL
-7	AN960-416								Washer - Plain	1	ALL
-8	AN4-27								Bolt - Aircraft 1/4-28	1	ALL
-9	88-52304								Quadrant Assembly - Outer wing aileron control	1	ALL
-10	AN200K34								Bearing - Heavy duty ball	1	ALL
-11	88-52315								Rod Assembly - Outer wing aileron control	1	ALL
-12	AN316-7R								Nut - Check	1	ALL
-13	55-52316-3								Clevis - Outer wing aileron control rod	1	ALL
-14	88-52314								Clevis - Outer wing control	1	ALL
-15	88-52315-2								Tube - Outer wing control rod	1	ALL
-16	121-52312								Cable Assembly - Aileron control outer wing front	1	ALL
-17	121-52313								Cable Assembly - Aileron control outer wing rear	1	ALL
	No Number								Wing Center Section Aileron Control Cables (see figure 6 for next assembly)	NP	ALL
-18	121-52310								Cable Assembly - Wing center section aileron control front	1	ALL
-19	121-52311								Cable Assembly - Wing center section aileron control rear	1	ALL
-20	AN210-3A								Pulley - Anti-friction bearing control	4	ALL
-21	AN210-4A								Pulley - Anti-friction bearing control	4	ALL

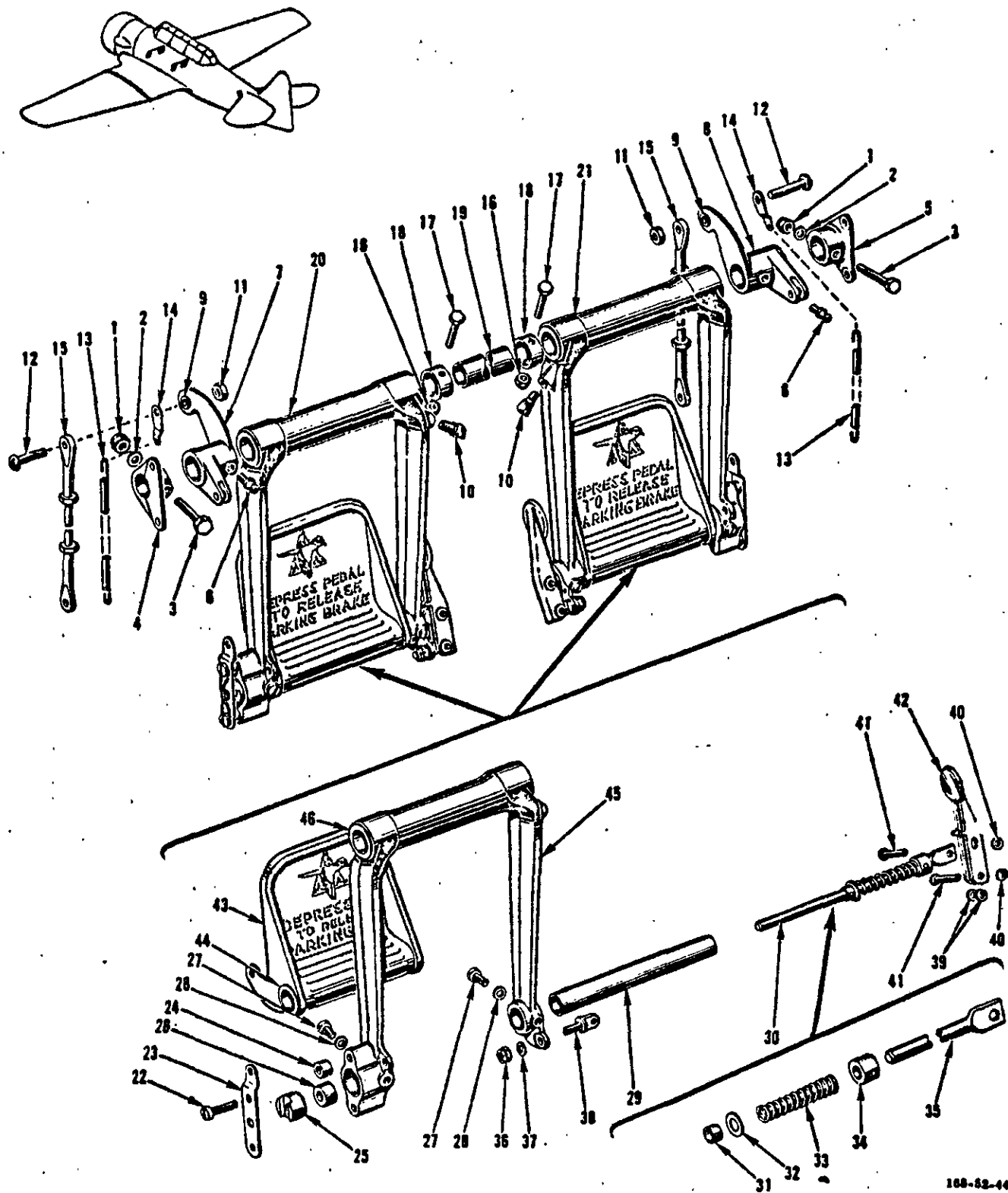


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FIGURE - 27 RUDDER AND RUDDER TRIM TAB CONTROLS

FIGURE & WATER NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)											
RUDDER AND RUDDER TRIM TAB CONTROLS											
27	No Number								Rudder and Rudder Trim Tab Controls (see figure 24 for next assembly)	NP	ALL
-1	168-52403-3								• Pedal Assembly - Cockpit rudder complete (front) (see figure 28 for detail breakdown)	1	ALL
-2	168-52403-5								• Pedal Assembly - Cockpit rudder complete (rear) (see figure 28 for detail breakdown)	1	ALL
-3	AN210-2A								• Pulley - Anti-friction bearing control	1	ALL
	55-52424								• Guard - Rudder pedal balance cable pulley LH	1	ALL
-4	AN210-2A								• Pulley - Anti-friction bearing control	1	ALL
	55-52424								• Guard - Rudder pedal balance cable pulley RH	1	ALL
-5	88-52461								• Cable Assembly - Rudder balance	1	ALL
-6	AN210-3A								• Pulley - Anti-friction bearing control	6	ALL
-7	36-52448								• Clamp Assembly - Fuselage station 5 rudder cable fairlead	1	ALL
-8	168-52413								• Cable Assembly - Rudder control front LH	1	ALL
-9	168-52414								• Cable Assembly - Rudder control front RH	1	ALL
-10	88-52497								• Arm Assembly - Rudder control cable left idler complete	1	ALL
-11	88-52498								• Arm Assembly - Rudder control cable right idler complete	1	ALL
-12	168-52411								• Cable Assembly - Rudder control aft LH	1	ALL
-13	168-52412								• Cable Assembly - Rudder control aft RH	1	ALL
-14	AN320-3								• Nut - Castle shear	2	ALL
-15	AN960-10								• Washer - Plain	2	ALL
-16	AN23-15								• Bolt - Clevis 10-32	2	ALL
-17	19-34007								• Spacer - Tail wheel cable pulley	2	ALL
-18	AN210-1A								• Pulley - Anti-friction bearing control	9	ALL
-19	AN210-3A								• Pulley - Anti-friction bearing control	1	ALL
-20	AN210-2A								• Pulley - Anti-friction bearing control	2	ALL
-21	AN310-3								• Nut - Castellated airframe	2	ALL
-22	AN3-16								• Bolt - Aircraft 10-32	2	ALL
-23	88-34157								• Spacer - Tail wheel steering cable front roller	2	ALL
-24	88-34156								• Roller - Tail wheel steering control cable front	2	ALL
-24A	54SAB20L	*1							• Fairlead - Rudder balance cable LH	1	ALL
-24B	54SAB20R	*1							• Fairlead - Rudder balance cable RH	1	ALL
-25	168-52525								• Cable Assembly - Rudder trim tab front	Ref	
-26	66-52527								• Cable Assembly - Rudder trim tab rear	Ref	
-27	19-52510								• Drum Assembly - Control surfaces trim tab	Ref	
-28	55-52519-2								• Wheel Assembly - Rudder trim tab control	Ref	
-29	55-52519-3								• Wheel Assembly - Rudder trim tab control	Ref	

\*1 Refer to T.O. 1T-60-203



100-82-446

FIGURE - 28 COMPLETE FRONT AND REAR COCKPIT RUDDER PEDAL ASSEMBLIES

## Group Assembly Parts List

GROUP & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)											
COMPLETE FRONT AND REAR COCKPIT RUDDER PEDAL ASSEMBLIES											
28	168-52403-3	Pedal Assembly - Cockpit rudder complete (front) (see figure 27 for next assembly)									Ref ALL
	168-52403-5	Pedal Assembly - Cockpit rudder complete (rear) (see figure 27 for next assembly)									Ref ALL
-1	AN365-428	Nut - Self locking									2 ALL
-2	AN960-416	Washer - Plain									2 ALL
-3	AN4-20A	Bolt - Aircraft 1/4-28 (used on 168-52403-3)									2 ALL
	AN4-21A	Bolt - Aircraft 1/4-28 (used on 168-52403-5)									2 ALL
-4	19-52407	Support - Front cockpit rudder pedal LH (used on 168-52403-3)									1 ALL
-5	19-52407-1	Support - Front cockpit rudder pedal RH (used on 168-52403-3)									1 ALL
	36-52406	Support - Rear cockpit rudder pedal (used on 168-52403-5)									2 ALL
-6	AN286-1	Fitting - Lubricator pressure grip type PT									2 ALL
-7	168-52416-1	Lever Assembly - Rudder pedal brake operating front cockpit LH (modification)									1 ALL
-8	168-52416-2	Lever Assembly - Rudder pedal brake operating front cockpit RH (modification)									1 ALL
	168-52418-1	Lever Assembly - Rudder pedal brake operating rear cockpit LH (modification)									1 ALL
	168-52418-2	Lever Assembly - Rudder pedal brake operating rear cockpit RH (modification)									1 ALL
-9	4B19S4-006	Bushings - Press fit plain									1 ALL
-10	AN286-3	Fitting - Lubricator pressure grip type PT									2 ALL
-11	AN320-4	Nut - Castle shear									4 ALL
-12	AN24-12	Bolt - Clevis 1/4-28									4 ALL
-13	19-33449	Spring - Brake cable									2 ALL
-14	19-33448	Clip - Brake cable spring									2 ALL
-15	55-52428	Rod Assembly - Rudder pedal brake operating									2 ALL
-16	AN365D428	Nut - Self locking									2 ALL
-17	AN4-17A	Bolt - Aircraft 1/4-28									2 ALL
-18	19-52450	Collar - Rudder pedal spacer									2 ALL
-19	168-52406	Tube - Rudder pedal support (used on 58-52403-2)									1 ALL
	168-52407	Tube - Rudder pedal support (used on 58-52403-3)									1 ALL
-20	58-52402	Pedal Assembly - Cockpit rudder LH									1 ALL
-21	58-52402-1	Pedal Assembly - Cockpit rudder RH									1 ALL
-22	AN501A416-14	Screw - Fillister head fine thread									2 ALL
-23	19-52437	Plate - Rudder pedal adjustment plate retaining									1 ALL
-24	19-52438	Spacer - Rudder pedal adjustment retaining plate									2 ALL
-25	19-52432	Guide - Rudder pedal adjustment plate									1 ALL
-26	19-52414	Bearing - Rudder pedal adjustment plunger									1 ALL
-27	AN501A416-10	Screw - Fillister head fine thread									2 ALL
-28	AN960-416	Washer - Plain									2 ALL
-29	19-52434	Tube - Rudder pedal cross									1 ALL
-30	88-52423	Plunger Assembly - Rudder pedal adjustment									1 ALL
-31	19-52436	Collar - Rudder pedal adjustment plunger									1 ALL
-32	2W1A121-22-64	Washer - Plain									1 ALL
-33	15-52414	Spring - Pilot's rudder pedal release									1 ALL
-34	19-52414	Bearing - Rudder pedal adjustment plunger									1 ALL
-35	19-52435	Plunger - Rudder pedal adjustment									1 ALL
-36	AN310-4	Nut - Castellated airframe									1 ALL
-37	AN960-416	Washer - Plain									1 ALL
-38	AN43-5	Bolt - 1/4-28 for 3/16 pin eye									1 ALL
-39	AN940-316	Washer - Burr									2 ALL
-40	AN960-10	Washer - Plain									2 ALL
-41	AN393-19	Pin - Flat head 3/16									2 ALL
-42	19-52411	Lever - Rudder pedal adjustment									1 ALL
-43	73-52405	Pedal Assembly - Pilot's brake LH									1 ALL
	73-52405-1	Pedal Assembly - Pilot's brake RH									1 ALL
-44	15-52415	Bearing - Brake pedal									1 ALL
-45	66-52404	Fork Assembly - Rudder pedal									1 ALL
-46	15-52420	Bearing - Pilot's rudder pedal									2 ALL

Section II  
Group Assembly Parts List

AN 01-60PFA-4

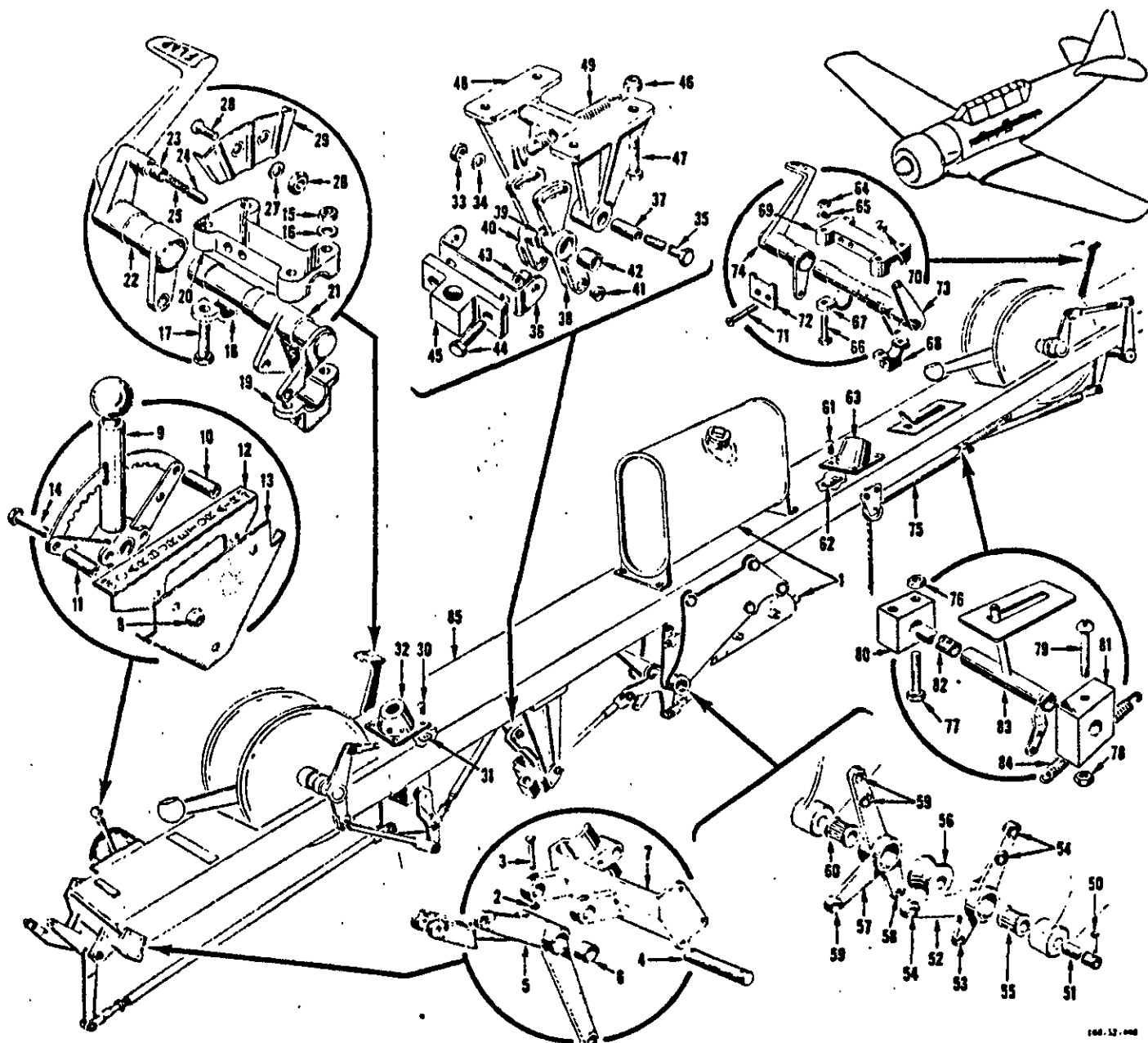


FIGURE - 29 COMPLETE CONTROLS SHELF ASSEMBLY

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)											
COMPLETE CONTROLS SHELF ASSEMBLY											
29	168-52506								Shelf Assembly - Controls complete (modification) (see figure 25 for next assembly)	Ref	ALL
	No Number								Control Shelf Linkage (see figure 31 for detail breakdown)	NP	ALL
	No Number								Control Shelf Control Equipment (see figure 32 for detail breakdown)	NP	ALL
	No Number								Control Shelf Trim Tab Cables and Pulleys (see figure 30 for detail breakdown)	NP	ALL
-1	No Number								Hydraulic Reservoir and Selector Valve Equipment (see figure 33 for detail breakdown)	NP	ALL
-2	AN960-6								Washer - Plain	2	ALL
-3	AN392-29								Pin - Flat head 1/8	2	ALL
-4	36-33564								Shaft - LG lock control rod bellcrank supporting	1	ALL
-5	36-33510								Bellcrank Assembly - Landing gear lock control rod	1	ALL
-6	D88P								Bearing - Open end needle (TOR)	2	ALL
-7	36-33511								Bracket - Landing gear lock control rod bellcrank	1	ALL

FIGURE & NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									FUSELAGE (Cont)		
									COMPLETE CONTROLS SHELF ASSEMBLY (Cont)		
29-8	AN365-1032								Nut - Self locking 250° F.		
-9	19-43025								Quadrant - Control (made from AN4010)	3	ALL
-10	NAS43C3-28								Spacer - Bolt	1	ALL
-11	NAS43C3-32								Spacer - Bolt	2	ALL
-12	19-43023								Plate - Carburetor air control quadrant name	1	ALL
-13	36-52520								Bracket - Control shelf carburetor air control quadrant supporting	1	ALL
-14	AN3-12A								Bolt - Aircraft 10-32	1	ALL
-15	AN365-428								Nut - Self locking 250° F.	1	ALL
-16	AN960-416								Washer - Plain	4	ALL
-17	AN4-14A								Bolt - Aircraft 1/4-28	4	ALL
-18	55-52616								Cap - Flap control and landing gear lever front bracket right bearing	4	ALL
-19	55-52626								Bearing - Flap control and landing gear lever left front	1	ALL
-20	168-52624								Bracket - Flap control and landing gear lever front	1	ALL
-21	168-52609								Shaft Assembly - Flap control alighting gear lever front	1	ALL
-22	168-52602								Handle Assembly - Flap control front cockpit	1	ALL
-23	168-52620								Bushing - Flap control handle front cockpit	1	ALL
-24	168-52653								Plunger - Wing flap control handle lock spring (modification)	1	ALL
-25	168-52441								Spring - Compression	1	ALL
-26	AN365-1032								Nut - Self locking 250° F.	1	ALL
-27	AN960-416								Washer - Plain	2	ALL
-28	AN507-1032R8								Screw - 100° Flat head machine fine thread	2	ALL
-29	55-52628								Sector - Flap control front cockpit	2	ALL
-30	AN520-10R10								Screw - Machine coarse thread	1	ALL
-31	AN365-1032								Nut - Self locking 250° F.	4	ALL
-32	16-48034								Support Assembly - Front cockpit fuel clock dial	4	ALL
-33	AN3-12A								Nut - Castle nut	1	ALL
-34	168-52624								Washer - Plain (NA)	1	ALL
-35	AN3-12A								Bolt - Clevis 1/4-28	2	ALL
-36	168-52624								Support - Fuel selector rod bearing	1	ALL
-37	168-58614								Shaft - Hydraulic selector valve power control bellcrank	1	ALL
-38	168-58612-1								Bellcrank Assy - Hydraulic selector valve power control LH	1	ALL
-39	2W1-24-24-48								Washer - Plain (NA)	1	ALL
-40	168-58612-2								Bellcrank Assy - Hydraulic selector valve power control RH	1	ALL
-41	4B2033-004								Bushing - Corrosive resistant	1	ALL
-42	B610								Bearing - Open end needle (TOR)	1	ALL
-43	AN365-1032								Nut - Self locking 250° F.	1	ALL
-44	AN3-5A								Bolt - Aircraft 10-32	2	ALL
-45	168-48016								Bearing - Fuel selector rod	2	ALL
-46	AN365-1032								Nut - Self locking 250° F.	1	ALL
-47	AN3-4A								Bolt - Aircraft 10-32	4	ALL
-48	168-58613								Bracket - Hydraulic selector valve power control bellcrank	4	ALL
-49	55-58196								Spring - Pressure control return	1	ALL
-50	AN392-41								Pin - Flat head 1/8	1	ALL
-51	54-58044								Shaft - Landing gear and flap selector valve control bellcrank	2	ALL
-52	168-58610								Bellcrank Assy - Hydraulic selector valve landing gear control	1	ALL
-53	4B1983-006								Bushing - Press fit plain (NA)	1	ALL
-54	4B1983-008								Bushing - Press fit plain (NA)	1	ALL
-55	B1212								Bearing - Open end needle (TOR)	3	ALL
-56	54-58084								Spacer - Landing gear and flap selector valve bellcrank	1	ALL
-57	168-58611								Bellcrank Assembly - Hydraulic selector valve flap control	1	ALL
-58	4B1983-006								Bushing - Press fit plain (NA)	1	ALL
-59	4B1983-008								Bushing - Press fit plain (NA)	1	ALL
-60	B1212								Bearing - Open end needle (TOR)	3	ALL
-61	AN520-10R8								Screw - Machine coarse thread	1	ALL
-62	AN365-1032								Nut - Self locking 250° F.	4	ALL
-63	36-48036-2								Support Assembly - Rear cockpit fuel clock dial	4	ALL
-64	AN365-428								Nut - Self locking 250° F.	1	ALL
-65	AN960-416								Washer - Plain	4	ALL
-66	AN4-14A								Bolt - Aircraft 1/4-28	4	ALL
-67	55-52616-3								Cap - Flap control and landing gear lever front bracket right bearing	4	ALL
-68	55-52626-3								Bearing - Flap control and landing gear lever left front	1	ALL
-69	55-52614-3								Bracket - Flap control and landing gear lever	1	ALL
-70	AN365-832								Nut - Self locking 250° F.	1	ALL
-71	AN509-8-11								Screw - Flat head structural	2	ALL
-72	168-52526								Fairlead - Elevator trim tab control cable	2	ALL
-73	168-52613								Shaft Assembly - Flap control alighting gear lever rear	1	ALL
-74	168-52603								Handle Assembly - Flap control rear cockpit	1	ALL
-75	168-52608								Cable Assembly - Flap position indicator aft	1	ALL
-76	AN365-1032								Nut - Self locking 250° F.	1	ALL
-77	AN3-10A								Bolt - Aircraft 10-32	2	ALL
-78	AN365-832								Nut - Self locking 250° F.	2	ALL
-79	AN515-8-16								Screw - Round head machine coarse thread	1	ALL
-80	36-33530-2								Bearing - Landing gear and flap position indicator arm shaft	1	ALL
-81	36-33530-3								Bearing - Landing gear and flap position indicator arm shaft	1	ALL
-82	36-33529								Shaft Assembly - Landing gear and flap position indicator arm	1	ALL
-83	168-52604								Arm Assembly - Flap position indicator pointer	1	ALL
-84	36-33531								Spring - Landing gear and flap position indicator arm	1	ALL
-85	168-52505								Shelf Assembly - Control (modification)	1	ALL

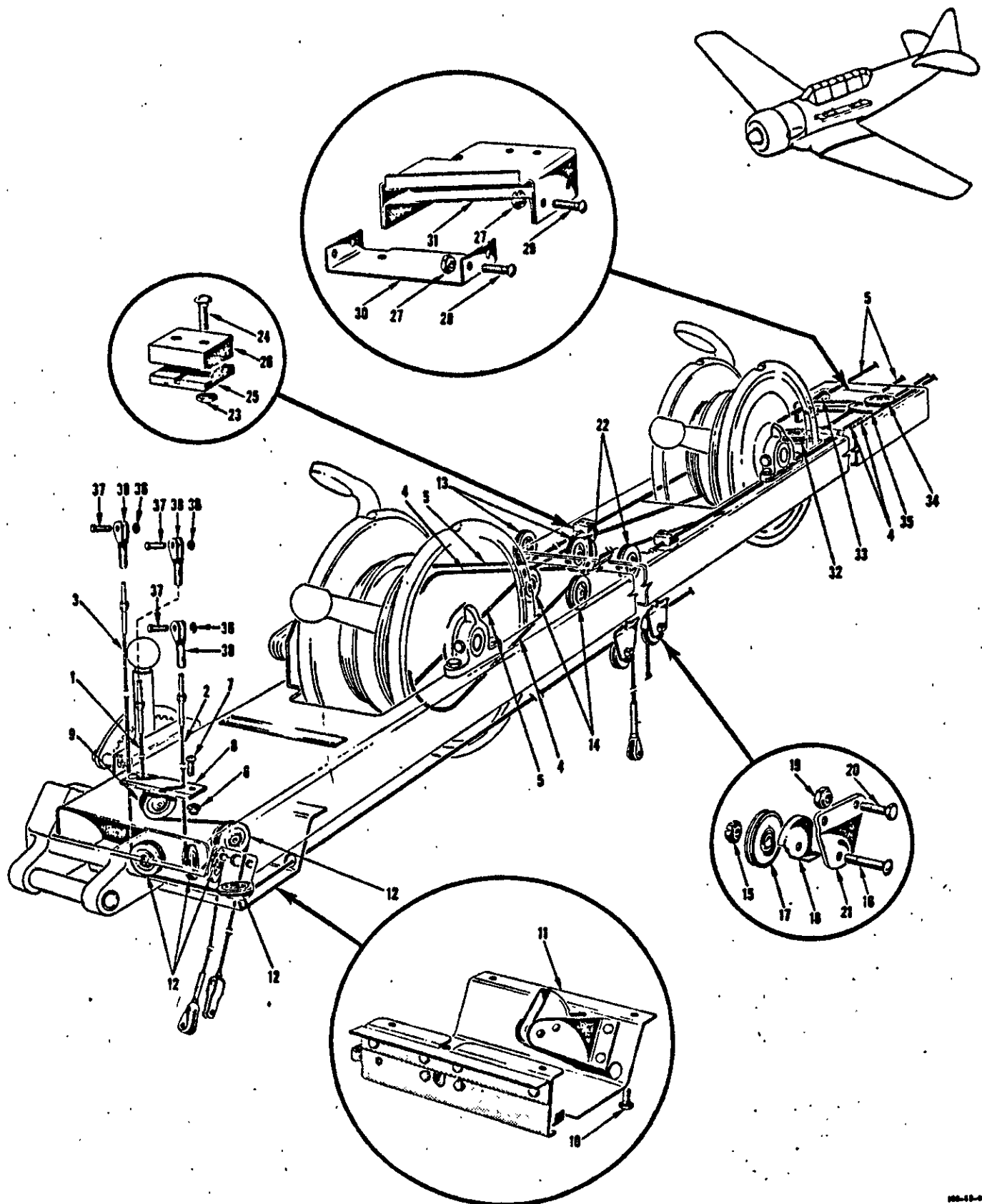


FIGURE 30 - CONTROL SHELF TRIM TAB CABLES AND PULLEYS



FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)											
CONTROL SHELF TRIM TAB CABLES AND PULLEYS											
30	No Number	Control Shelf Trim Tab Cables and Pulleys (see figure 29 for next assembly)									
-1	168-33515	.	.	.	.	.	.	.	Cable Assembly - Alighting gear position indicator LH	NP	ALL
-2	168-33516	.	.	.	.	.	.	.	Cable Assembly - Alighting gear position indicator RH	1	ALL
-3	168-52607	.	.	.	.	.	.	.	Cable Assembly - Flap position indicator forward	1	ALL
-4	168-52525	.	.	.	.	.	.	.	Cable Assembly - Rudder trim tab front	1	ALL
-5	66-52528	.	.	.	.	.	.	.	Cable Assembly - Elevator trim tab front	1	ALL
-6	AN365-832	.	.	.	.	.	.	.	Nut - Self locking 250°F	2	ALL
-7	AN515-8R10	.	.	.	.	.	.	.	Screw - Round head machine coarse thread	2	ALL
-8	168-33541	.	.	.	.	.	.	.	Fairlead - Alighting gear indicator cable	1	ALL
-9	AN210-1A	.	.	.	.	.	.	.	Pulley - Anti-friction bearing control	1	ALL
	AN320-3	.	.	.	.	.	.	.	Nut - Castle shear	1	ALL
	AN23-11	.	.	.	.	.	.	.	Bolt - Clevis 10-32	1	ALL
-10	AN3-3A	.	.	.	.	.	.	.	Bolt - Aircraft 10-32	1	ALL
-11	168-33538	.	.	.	.	.	.	.	Bracket Assembly - Alighting gear indicator cable pulley	1	ALL
-12	AN210-1A	.	.	.	.	.	.	.	Pulley - Anti-friction bearing control	5	ALL
	AN320-3	.	.	.	.	.	.	.	Nut - Castle shear	5	ALL
	AN23-9	.	.	.	.	.	.	.	Bolt - Clevis 10-32	5	ALL
-13	AN210-1A	.	.	.	.	.	.	.	Pulley - Anti-friction bearing control	2	ALL
	AN320-3	.	.	.	.	.	.	.	Nut - Castle shear	2	ALL
	AN23-14	.	.	.	.	.	.	.	Bolt - Clevis 10-32	2	ALL
-14	AN210-1A	.	.	.	.	.	.	.	Pulley - Anti-friction bearing control	2	ALL
	AN320-3	.	.	.	.	.	.	.	Nut - Castle shear	2	ALL
	AN23-16	.	.	.	.	.	.	.	Bolt - Clevis 10-32	2	ALL
-15	AN320-3	.	.	.	.	.	.	.	Nut - Castle shear	2	ALL
-16	AN23-12	.	.	.	.	.	.	.	Bolt - Clevis 10-32	2	ALL
-17	AN210-1A	.	.	.	.	.	.	.	Pulley - Anti-friction bearing control	2	ALL
-18	19-53906-2	.	.	.	.	.	.	.	Guard - 1 1/4 Diameter pulley (aft)	1	ALL
	19-53906-3	.	.	.	.	.	.	.	Guard - 1 1/4 Diameter pulley (forward)	1	ALL
-19	AN365-1032	.	.	.	.	.	.	.	Nut - Self locking 250°F	4	ALL
-20	AN3-4A	.	.	.	.	.	.	.	Bolt - Aircraft 10-32	4	ALL
-21	36-52627	.	.	.	.	.	.	.	Bracket - Flap position indicator cable pulley	2	ALL
-22	AN210-1A	.	.	.	.	.	.	.	Pulley - Anti-friction bearing control	2	ALL
	AN320-3	.	.	.	.	.	.	.	Nut - Castle shear	2	ALL
	AN23-14	.	.	.	.	.	.	.	Bolt - Clevis 10-32	2	ALL
-23	AN365-832	.	.	.	.	.	.	.	Nut - Self locking 250°F	4	ALL
-24	AN515-8-20	.	.	.	.	.	.	.	Screw - Round head machine coarse thread	4	ALL
-25	36-52521-2	.	.	.	.	.	.	.	Fairlead - Elevator and rudder trim tab cable front	2	ALL
-26	36-52521-3	.	.	.	.	.	.	.	Fairlead - Elevator and rudder trim tab cable front	2	ALL
-27	AN365-832	.	.	.	.	.	.	.	Nut - Self locking 250°F	8	ALL
-28	AN515-8-8	.	.	.	.	.	.	.	Screw - Round head machine coarse thread	4	ALL
-29	AN515-8-7	.	.	.	.	.	.	.	Screw - Round head machine coarse thread	4	ALL
-30	55-52546	.	.	.	.	.	.	.	Bracket Assembly - Control shelf elevator trim tab pulley	1	ALL
-31	55-52547	.	.	.	.	.	.	.	Bracket Assembly - Control shelf rudder and elevator trim tab pulley	1	ALL
-32	AN210-1A	.	.	.	.	.	.	.	Pulley - Anti-friction bearing control	1	ALL
	AN320-3	.	.	.	.	.	.	.	Nut - Castle shear	1	ALL
	2W1-12-10-31	.	.	.	.	.	.	.	Washer - Plain (NA)	1	ALL
	AN23-11	.	.	.	.	.	.	.	Bolt - Clevis 10-32	1	ALL
-33	AN210-1A	.	.	.	.	.	.	.	Pulley - Anti-friction bearing control	1	ALL
	AN320-3	.	.	.	.	.	.	.	Nut - Castle shear	1	ALL
	AN23-11	.	.	.	.	.	.	.	Bolt - Clevis 10-32	1	ALL
-34	AN210-1A	.	.	.	.	.	.	.	Pulley - Anti-friction bearing control	1	ALL
	AN320-3	.	.	.	.	.	.	.	Nut - Castle shear	1	ALL
	AN960-10	.	.	.	.	.	.	.	Washer - Plain	1	ALL
	AN23-17	.	.	.	.	.	.	.	Bolt - Clevis 10-32	1	ALL
	4S3D10-10	.	.	.	.	.	.	.	Spacer - Bolt (NA)	1	ALL
-35	AN210-1A	.	.	.	.	.	.	.	Pulley - Anti-friction bearing control	1	ALL
	AN320-3	.	.	.	.	.	.	.	Nut - Castle shear	1	ALL
	AN23-16	.	.	.	.	.	.	.	Bolt - Clevis 10-32	1	ALL
-36	AN960-10	.	.	.	.	.	.	.	Washer - Plain	3	ALL
-37	AN393-11	.	.	.	.	.	.	.	Pin - Flat head 3/16	3	ALL
-38	AN665-21R	.	.	.	.	.	.	.	Terminal - Thread clevis type tie rod	3	ALL

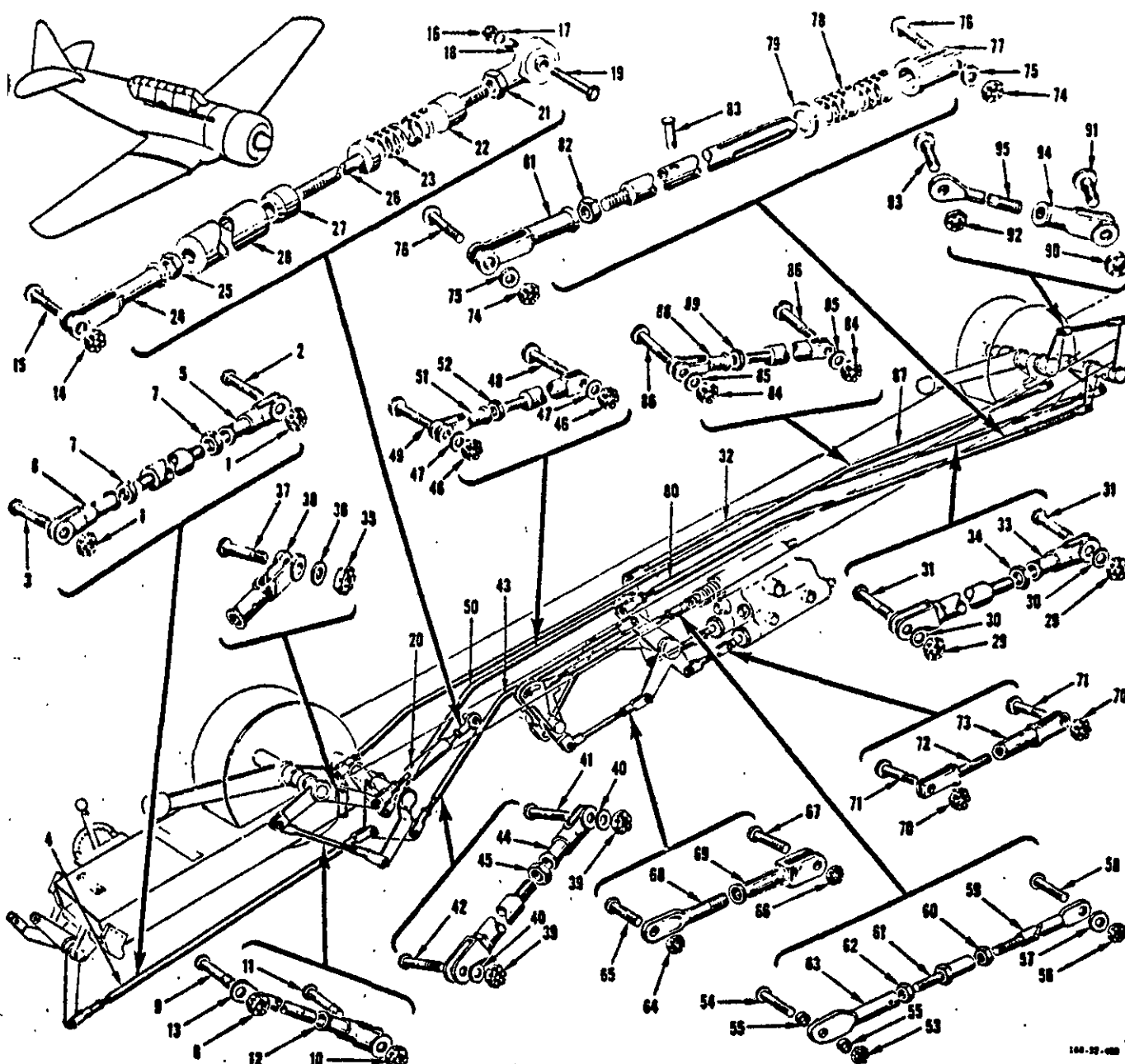


FIGURE 31 - CONTROL SHELF LINKAGE

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)											
CONTROL SHELF LINKAGE											
31	No Number								Control Shelf Linkage (see figure 29 for next assembly)	NP	ALL
-1	AN320-4								• Nut - Castle shear	2	ALL
-2	AN24-12								• Bolt - Clevis 1/4-28	1	ALL
-3	AN24-9								• Bolt - Clevis 1/4-28	1	ALL
-4	88-33516								• Rod Assembly - Landing gear downlock pin operating	1	ALL
-5	AN486-1								• Clevis - Rod end adjusting	1	ALL
-6	AN486-2								• Clevis - Rod end adjusting	1	ALL
-7	AN316-4R								• Nut - Check	2	ALL
-8	AN320-3								• Nut - Castle shear	1	ALL
-9	AN23-14								• Bolt - Clevis 10-32	1	ALL
-10	AN320-4								• Nut - Castle shear	1	ALL
-11	AN24-10								• Bolt - Clevis 1/4-28	1	ALL
-12	AN486-2								• Clevis - Rod end adjusting	1	ALL
-13	168-58014-7								• Rod - Hydraulic selector valve power bellcrank actuating	1	ALL
-14	AN320-3								• Nut - Castle Shear	1	ALL
-15	AN23-9								• Bolt - Clevis 10-32	1	ALL
-16	AN365-428								• Nut - Self locking 250°F	1	ALL
-17	AN960D416								• Washer - Plain	1	ALL

## Group Assembly Parts List

FIGURE A INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									FUSELAGE (Cont)		
									CONTROL SHELF LINKAGE (Cont)		
31-18	NA33300-2								Spacer - Bolt	1	ALL
-19	AN4-14A								Bolt - Aircraft 1/4-28	1	ALL
-20	168-33548								Bungee Assy - Alighting gear front cockpit control handle	1	ALL
-21	RE4F5								Rod End (PAF)	1	ALL
-22	168-33529								End - Alighting gear front cockpit connect handle bungee	1	ALL
-23	160-31875								Spring - Canopy sliding panel mechanism bungee	1	ALL
-24	AN486-2								Clevis - Rod end adjusting	1	ALL
-25	AN316-4R								Nut - Check	1	ALL
-26	160-31859								Rod - Canopy sliding panel mechanism bungee	1	ALL
-27	160-31862								Bearing - Canopy sliding panel mechanism bungee	1	ALL
-28	168-33548-3								Bungee Assy - Alighting gear front cockpit control handle	1	ALL
-29	AN320-4								Nut - Castle shear	2	ALL
-30	AN960-416L								Washer - Plain	2	ALL
-31	AN24-13								Bolt - Clevis 1/4-28	2	ALL
-32	168-48030								Rod Assy - Hand fuel pump control rear (modification)	1	ALL
-33	AN486-1								Clevis - Rod end adjusting	1	ALL
-34	AN316-4R								Nut - Check	1	ALL
-35	AN320-4								Nut - Castle shear	1	ALL
-36	AN960-416L								Washer - Plain	1	ALL
-37	AN24-13								Bolt - Clevis 1/4-28	1	ALL
-38	AN486-1								Clevis - Rod end adjusting	1	ALL
-39	AN320-4								Nut - Castle shear	1	ALL
-40	AN960-416L								Washer - Plain	2	ALL
-41	AN24-10								Bolt - Clevis 1/4-28	2	ALL
-42	AN24-13								Bolt - Clevis 1/4-28	1	ALL
-43	88-33590								Rod Assembly - Landing gear selector valve control	1	ALL
-44	AN486-2								Clevis - Rod end adjusting	1	ALL
-45	AN316-4R								Nut - Check	1	ALL
-46	AN320-4								Nut - Castle shear	1	ALL
-47	AN960-416L								Washer - Plain	2	ALL
-48	AN24-10								Bolt - Clevis 1/4-28	2	ALL
-49	AN24-13								Bolt - Clevis 1/4-28	1	ALL
-50	168-58022								Rod Assy - Hydraulic wing flap selector valve control (mod)	1	ALL
-51	AN486-2								Clevis - Rod end adjusting	1	ALL
-52	AN316-4R								Nut - Check	1	ALL
-53	AN320-3								Nut - Castle shear	1	ALL
-54	AN23-13								Bolt - Clevis 10-32	1	ALL
-55	432183-006								Bushing - Spacer	2	ALL
-56	AN320-3								Nut - Castle shear	1	ALL
-57	2W1-16-16-28								Washer - Plain	1	ALL
-58	AN23-10								Bolt - Clevis 10-32	1	ALL
-59	168-58023								Rod - Hydraulic pressure control valve (mod) (168-58023 together with 168-58015 supersede 168-58018)	1	ALL
-60	AN316-4L								Nut - Check	1	ALL
-61	168-58015								Turnbuckle - Hydraulic selector valve timing valve actuating rod adjustment (168-58015 together with 168-58023 supersede 168-58018)	1	ALL
-62	AN316-4R								Nut - Check	1	ALL
-63	168-58019								Rod End - Hydraulic pressure control valve	1	ALL
-64	AN320-3								Nut - Castle shear	2	ALL
-65	AN23-14								Bolt - Clevis 10-32	2	ALL
-66	AN320-4								Nut - Castle shear	2	ALL
-67	AN24-12								Bolt - Clevis 1/4-28	2	ALL
-68	168-58014-5								Rod - Hyd selector valve power bellcrank actuating (outboard)	1	ALL
-69	168-58014-3								Rod - Hyd selector valve power bellcrank actuating (inboard)	1	ALL
-70	AN486-1								Clevis - Rod end adjusting	2	ALL
-71	AN310-3								Nut - Castellated airframe	4	ALL
-72	AN23-11								Bolt - Clevis 10-32	4	ALL
-73	168-33543								Link - Alighting gear selector valve control adjustment forward	2	ALL
-74	168-33544								Link - Alighting gear selector valve control adjustment aft	2	ALL
-75	AN320-4								Nut - Castle shear	2	ALL
-76	AN960-416L								Washer - Plain	2	ALL
-77	AN24-13								Bolt - Clevis 1/4-28	2	ALL
-78	88-58301								Sleeve - Hydraulic landing gear rear cockpit control rod	1	ALL
-79	88-58302								Spring - Hydraulic landing gear rear cockpit control rod	1	ALL
-80	2W1-34-28-50								Washer - Plain	1	ALL
-81	88-58314								Rod Assembly - Hydraulic landing gear and flap selector valve rear cockpit control	1	ALL
-82	AN486-1								Clevis - Rod end adjusting	1	ALL
-83	AN316-4R								Nut - Check	1	ALL
-84	AN392-17								Pin - Flat head 1/8	1	ALL
-85	AN320-4								Nut - Castle shear	2	ALL
-86	AN960-416L								Washer - Plain	2	ALL
-87	AN24-13								Bolt - Clevis 1/4-28	2	ALL
-88	88-58182								Rod Assy - Hydraulic flap selector valve rear cockpit control	1	ALL
-89	AN486-1								Clevis - Rod end adjusting	1	ALL
-90	AN316-4R								Nut - Check	1	ALL
-91	AN320-4								Nut - Castle shear	1	ALL
-92	AN24-12								Bolt - Clevis 1/4-28	1	ALL
-93	AN320-3								Nut - Castle shear	1	ALL
-94	AN23-14								Bolt - Clevis 10-32	1	ALL
-95	AN486-1								Clevis - Rod end adjusting	1	ALL
-96	168-58014-7								Rod - Hydraulic selector valve power bellcrank actuating	1	ALL

Section II  
Group Assembly Parts List

AN 01-60PFA-4  
FUSELAGE (Cont)

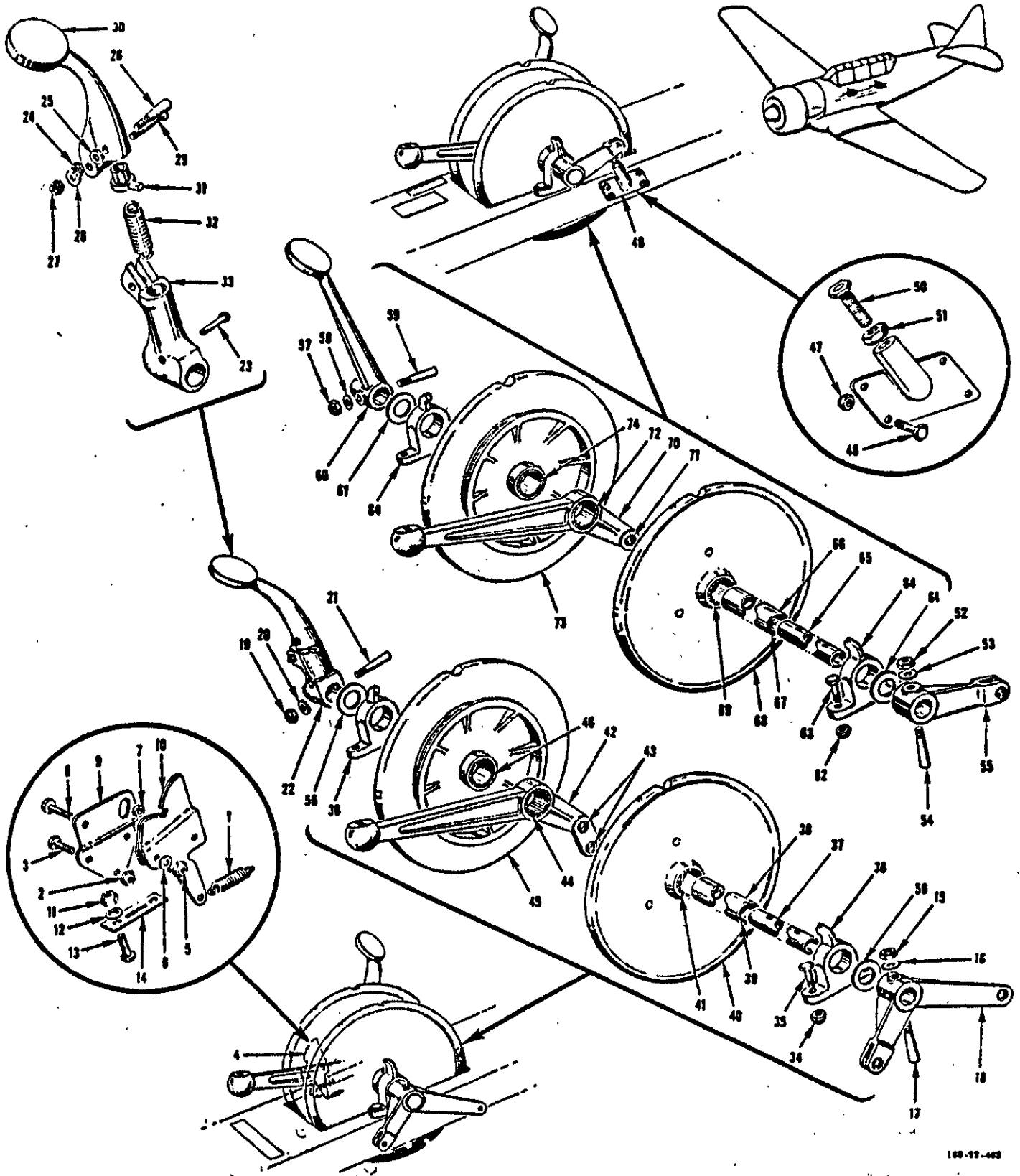


FIGURE - 32 CONTROL SHELF CONTROL EQUIPMENT

## Group Assembly Parts List

HOUSE & INSTR. NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									FUSELAGE (Cont)		
									CONTROL SHELF CONTROL EQUIPMENT		
32	No Number								Control Shelf Control Equipment (see figure 29 for next assy)	NP	ALL
-1	168-33536								Spring - Tension	1	ALL
-2	AN365-1032								Nut - Self locking 250°F	3	ALL
-3	AN3-4A								Bolt - Aircraft 10-32	3	ALL
-4	168-33533								Sector Assy - Alighting gear cockpit control complete	1	ALL
-5	AN365-1032								Nut - Self locking 250°F	1	ALL
-6	AN960-10								Washer - Plain	1	ALL
-7	168-33535								Spacer - Alighting gear cockpit control sector	1	ALL
-8	NAS221-10								Screw - Brazier head Phillips recess alloy steel 10-32	1	ALL
-9	168-33534								Support - Alighting gear cockpit control sector	1	ALL
-10	168-33505								Sector Assembly - Alighting gear cockpit control	1	ALL
-11	AN365-632								Nut - Self locking 250°F	1	ALL
-12	AN960-6								Washer - Plain	2	ALL
-13	AN515-6R8								Screw - Round head machine coarse thread	4	ALL
-14	168-33537								Strip - Alighting gear cockpit control sector guide	2	ALL
-15	AN364-1032								Nut - Self locking thin 250°F	1	ALL
-16	AN975-3								Washer - Taper pin	1	ALL
-17	AN386-1-8								Pin - Threaded taper	1	ALL
-18	168-33506								Bellcrank Assy - Landing gear cockpit control handle operating	1	ALL
-19	AN364-1032								Nut - Self locking thin 250°F	1	ALL
-20	AN975-3								Washer - Taper pin	1	ALL
-21	AN386-1-8								Pin - Threaded taper	1	ALL
-22	168-33502								Handle Assembly - Alighting gear control front cockpit	1	ALL
-23	AN392-31								Pin - Flat head 1/8	1	ALL
-24	AN320-3								Nut - Castle shear	1	ALL
-25	AN975-3								Washer - Taper pin	1	ALL
-26	AN386-1-8								Pin - Threaded taper	1	ALL
-27	AN320-3								Nut - Castle shear	1	ALL
-28	AN960-10								Washer - Plain	1	ALL
-29	AN23-23								Bolt - Clevis 10-32	1	ALL
-30	168-33504								Grip - Landing gear control handle front cockpit	1	ALL
-31	168-33511								Key Assembly - Alighting gear control front cockpit (supersedes 88-33543)	1	ALL
-32	168-33549								Spring - Tension	1	ALL
-33	168-33503								Socket - Landing gear cockpit control handle front	1	ALL
-34	AN465-1032								Nut - Self locking 250°F	1	ALL
-35	AN3-5A								Bolt - Aircraft 10-32	1	ALL
-36	46-52507-2								Block - Control quadrant shaft support	4	ALL
-37	168-33508								Shaft - Alighting gear control handle	2	ALL
-38	168-52508								Shaft Assembly - Trim tab control wheel	1	ALL
-39	B108								Bearing - Open end needle (TOR)	1	ALL
-40	55-52519-2								Wheel Assembly - Rudder trim tab front control	2	ALL
-41	B1616P								Bearing - Open end needle (TOR)	1	ALL
-42	168-48010-3								Handle Assembly - Fuel pump	1	ALL
-43	4B16CP4-8								Bushing	1	ALL
-44	B1616								Bearing - Open end needle (TOR)	2	ALL
-45	55-52515-2								Wheel Assembly - Elevator trim tab control	1	ALL
-46	B1616P								Bearing - Open end needle (TOR)	1	ALL
-47	AN365-1032								Nut - Self locking 250°F	1	ALL
-48	AN3-4A								Bolt - Aircraft 10-32	4	ALL
-49	168-33532								Stop Assy - Alighting gear rear cockpit control handle	1	ALL
-50	5B21-428-22								Bolt - Adjustable stop	1	ALL
-51	AN364-428								Nut - Self locking thin 250°F	1	ALL
-52	AN364-1032								Washer - Taper pin	1	ALL
-53	AN975-3								Pin - Threaded taper	1	ALL
-54	AN386-1-8								Bellcrank Assembly - Alighting gear rear cockpit control handle operating	1	ALL
-55	168-33507								Washer - Plain	1	ALL
-56	2W1-40-40-64								Nut - Self locking thin 250°F	2	ALL
-57	AN364-1032								Washer - Taper pin	1	ALL
-58	AN975-3								Pin - Threaded taper	1	ALL
-59	AN386-1-8								Handle - Alighting gear control rear cockpit	1	ALL
-60	168-33512								Washer - Plain	1	ALL
-61	2W1-40-40-64								Nut - Self locking 250°F	2	ALL
-62	AN365-1032								Bolt - Aircraft 10-32	4	ALL
-63	AN3-5A								Block - Control quadrant shaft support	4	ALL
-64	36-52507-3								Shaft - Alighting gear control handle	2	ALL
-65	168-33508								Shaft Assembly - Trim tab control wheel	1	ALL
-66	168-52508								Bearing - Open end needle (TOR)	1	ALL
-67	B108								Wheel Assembly - Rudder trim tab rear control	2	ALL
-68	55-52519-3								Bearing - Open end needle (TOR)	1	ALL
-69	B1616P								Handle Assembly - Fuel pump	1	ALL
-70	168-48010-5								Bushing	1	ALL
-71	4B16CP4-8								Bearing - Open end needle (TOR)	1	ALL
-72	B1616								Wheel Assembly - Elevator trim tab control	1	ALL
-73	55-52515-3								Bearing - Open end needle (TOR)	1	ALL
-74	B1616P									1	ALL

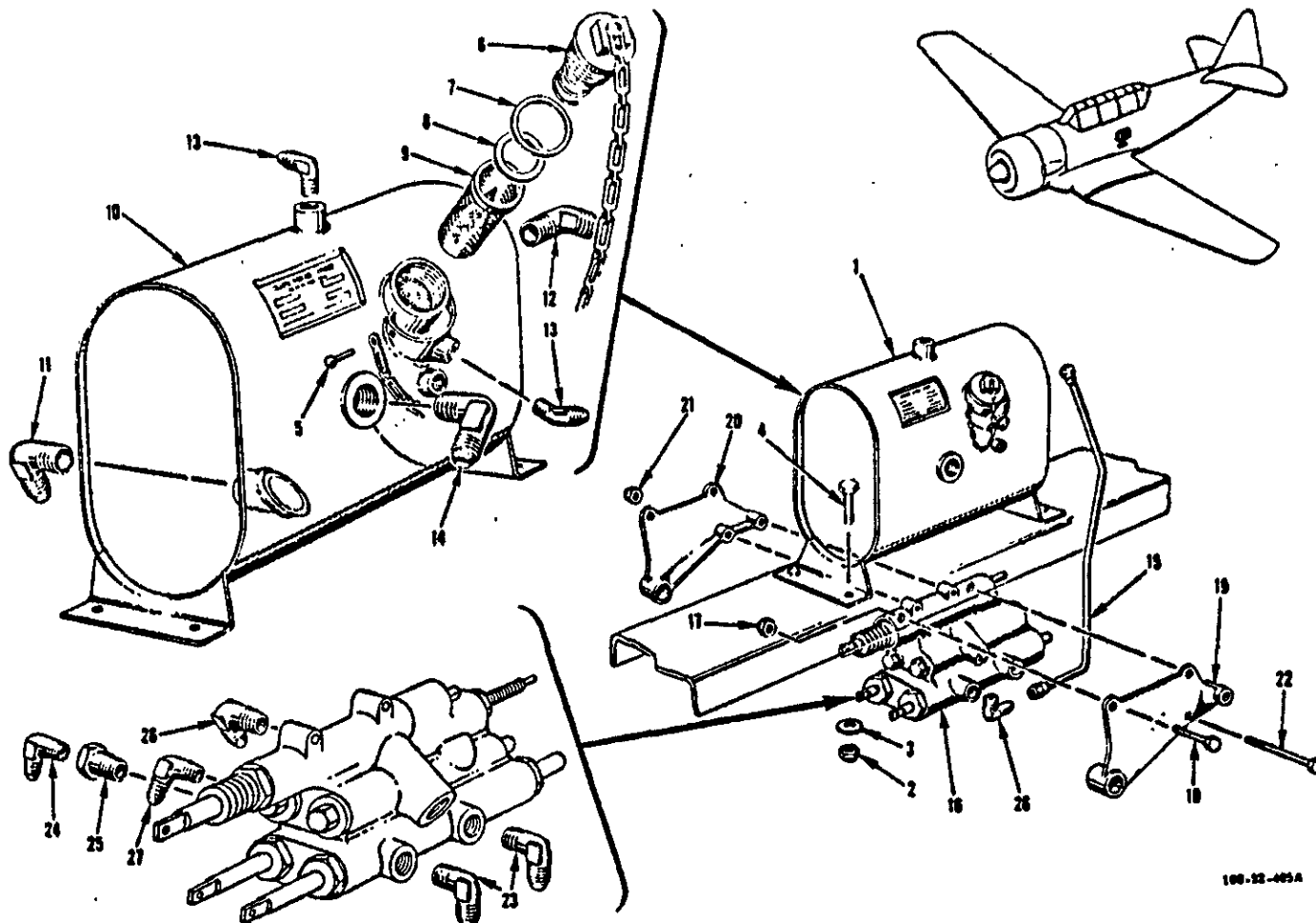
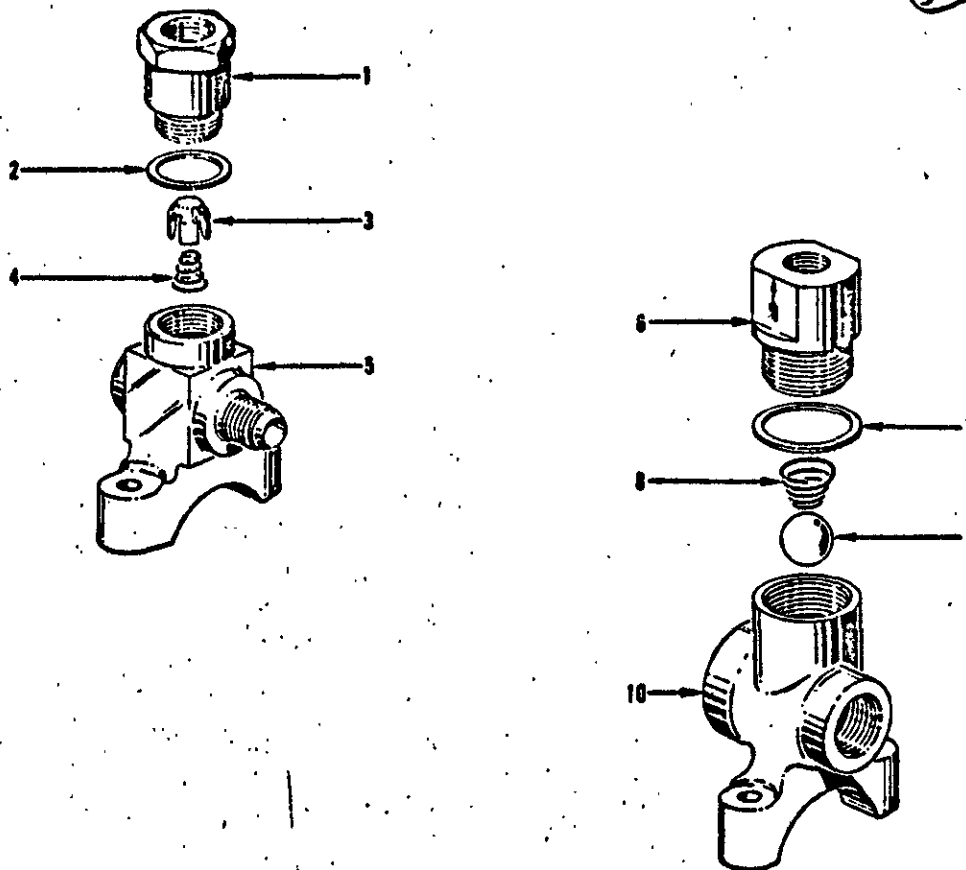


FIGURE 33 - HYDRAULIC RESERVOIR AND SELECTOR VALVE EQUIPMENT

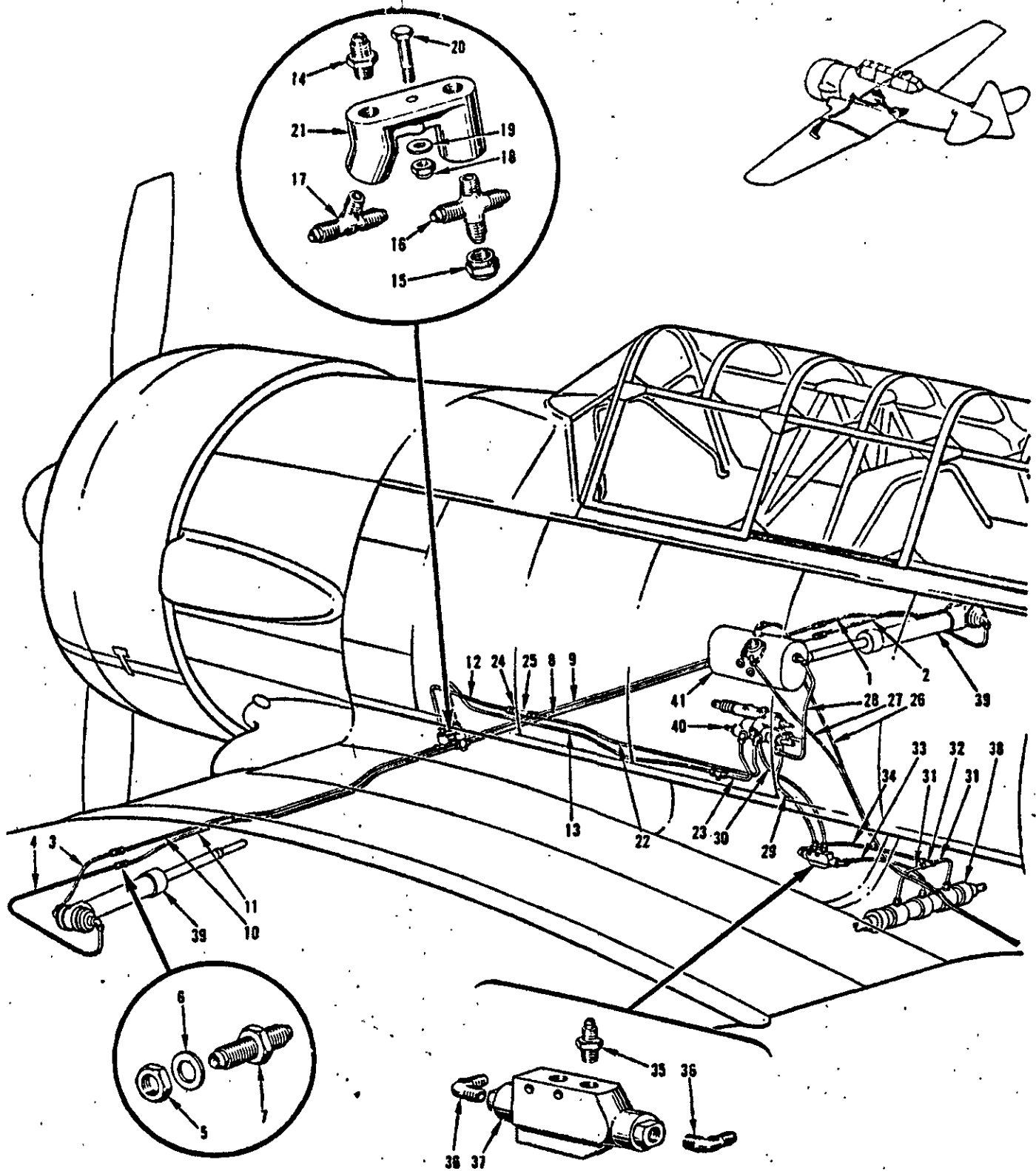
FIGURE 33 - HYDRAULIC RESERVOIR AND SELECTOR VALVE EQUIPMENT										UNITS PER ASSY.	APPLICATION CODE
FIGURE & GROUP NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE		
FUSELAGE (Cont)											
HYDRAULIC RESERVOIR AND SELECTOR VALVE EQUIPMENT											
33	No Number	Hydraulic Reservoir and Selector Valve Equipment (see figure 35 and figure 29 for next assembly)								NP	ALL
-1	121-58025	Reservoir Assembly - Hydraulic fluid								1	ALL
ATTACHING PARTS											
-2	AN365-1032	Nut - Self locking 250°F								4	ALL
-3	2W1-14-20-63	Washer - Plain (NA)								4	ALL
-4	AN3-4A	Bolt - Aircraft 10-32								4	ALL
-5	55-58051	Reservoir Assembly - Hydraulic fluid								1	ALL
-6	AN530-6-6	Screw - Sheet metal round head								1	ALL
-7	36-58053	Plug Assembly - Hydraulic fluid reservoir filler								1	ALL
-8	AN900-20	Gasket - Copper asbestos annular								1	ALL
-9	2W1B48-36-64	Washer - Plain								1	ALL
-10	26-58080	Strainer Assembly - Hydraulic system reservoir								1	ALL
-11	55-58116	Tank Assembly - Hydraulic system reservoir								1	ALL
-12	811CT8	Fitting - Solderless								1	ALL
-13	811CT6	Fitting - Solderless								2	ALL
-14	811CT4	Fitting - Solderless								1	ALL
-15	811CT10	Fitting - Solderless								1	ALL
-16	168-58801-19	Line Assy - Hydraulic valve assembly to reservoir return								1	ALL
-17	88-58011-10	Valve Assy - Hydraulic landing gear and flap selector								1	ALL
ATTACHING PARTS											
-18	AN365-428	Nut - Self locking 250°F								4	ALL
-19	AN4-5A	Bolt - Aircraft 1/4-28								4	ALL
-20	66-58206	Bracket - Landing gear & flap selector valve support outbd								1	ALL
-21	55-58160	Bracket - Landing gear & flap selector valve support inbd								2	ALL
-22	AN365-1032	Nut - Self locking 250°F								2	ALL
-23	AN3-40A	Bolt - Aircraft 10-32								2	ALL
-24	811CT6	Fitting - Solderless								2	ALL
-25	811CT5	Fitting - Solderless								2	ALL
-26	AN912-1	Bushing - Reducer								2	ALL
-27	811CT6	Fitting - Solderless								1	ALL
-28	811CT5	Fitting - Solderless								1	ALL



188-38-1394

FIGURE - 34 HYDRAULIC ENGINE PUMP PRESSURE AND SUCTION DISCONNECT BLOCK ASSEMBLIES

FIGURE & ORDER NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)											
HYDRAULIC ENGINE PUMP PRESSURE AND SUCTION DISCONNECT BLOCK ASSEMBLIES											
34		Hydraulic Engine Pump Pressure and Suction Disconnect Block Assemblies									
	77-58175	Block Assembly - Hydraulic engine pump pressure line disconnect (see figure 36 for next assembly)									Ref ALL
-1	77-58208	Seat - Hydraulic check small valve									1 ALL
-2	2W1K42-28-18	Washer - Plain									1 ALL
-3	77-58209	Valve - Hydraulic check small									1 ALL
-4	77-58179	Spring - Hydraulic engine pump pressure line disconnect block									1 ALL
-5	77-58181	Body - Hydraulic engine pump pressure line disconnect fitting									1 ALL
	88-58176	Block Assembly - Hydraulic engine pump suction line disconnect (see figure 36 for next assembly)									Ref ALL
-6	77-58206	Retainer - Hydraulic check large valve									1 ALL
-7	2W1K58-36-18	Washer - Plain									1 ALL
-8	73-58325	Spring - Hydraulic engine section disconnect block suction valve									1 ALL
-9	Comm	Ball - 9/16 Steel									1 ALL
-10	77-58180	Block - Hydraulic engine pump suction line disconnect									1 ALL



100-60-1395

FIGURE - 35 HYDRAULIC EQUIPMENT

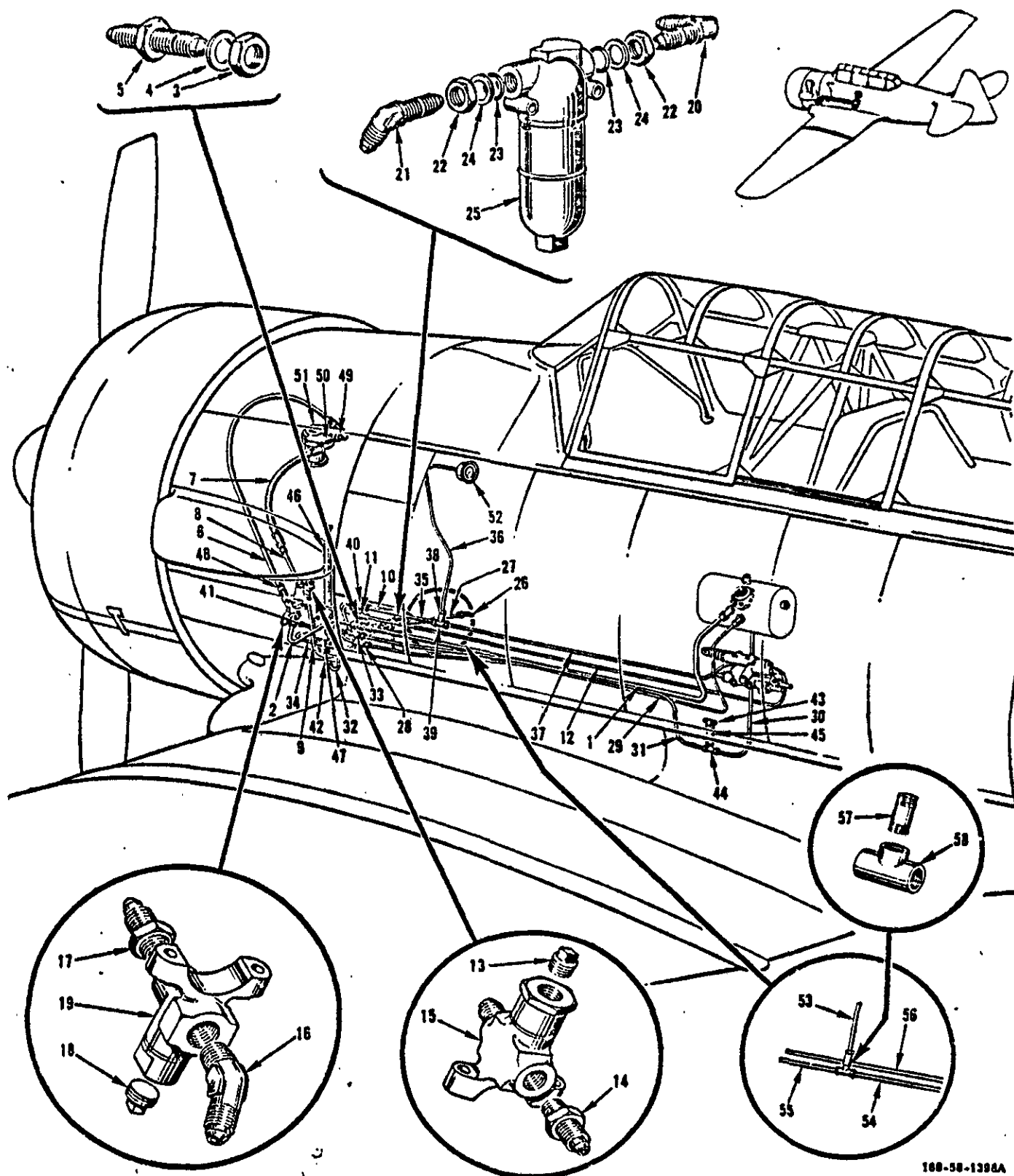


FIGURE & INCHES NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									FUSelage (Cont) HYDRAULIC EQUIPMENT		
35	168-58001								Hydraulic Equipment Installation - (Modification) (see figure 1 for next assembly)	NP	ALL
	No Number								Hydraulic Engine Driven Pump, Hand Pump and Pressure Gage Equipment (see figure 36 for detail breakdown)	NP	ALL
-1	55-58531								Line Assembly - Hydraulic union to right landing gear operating strut up	1	ALL
-2	55-58525								Line Assembly - Hydraulic union to right landing gear operating strut down	1	ALL
-3	55-58523								Line Assembly - Hydraulic union to left landing gear operating strut down	1	ALL
-4	55-58529								Line Assembly - Hydraulic union to left landing gear operating strut up	1	ALL
-5	11-1039-1-5								Lock Nut (PA)	4	ALL
-6	2W1-37-32-4								Washer - Plain (NA)	4	ALL
-7	3115-1HT6								Fitting - Bulkhead union	4	ALL
-8	77-58524								Line Assembly - Hydraulic outboard port wing block to bottom right union landing gear down	1	ALL
-9	77-58530								Line Assembly - Hydraulic inboard port wing block to upper right union landing gear up	1	ALL
-10	77-58522								Line Assembly - Hydraulic outboard port to wing block to top union landing gear down	1	ALL
-11	77-58528								Line Assembly - Hydraulic inboard port wing block to lower union landing gear up	1	ALL
-12	168-58801-33	*1							Line Assembly - Gear up restrictor valve LH side to disconnect block	1	ALL
-13	168-58801-35	*1							Line Assembly - Gear down tee to outboard port wing block	1	ALL
-14	811FT6								Fitting - Reducer	2	ALL
-15	6PMT								Fitting - Cap (PA)	1	ALL
-16	6KST								Fitting - Cross (FA)	1	ALL
-17	811ST6								Fitting - Tee	1	ALL
-18	AN365-1032								Nut - Self locking 250°F	1	ALL
-19	AN960-10								Washer - Plain	1	ALL
-20	AN3-7A								Bolt - Aircraft 10-32	1	ALL
-21	55-58170								Block - Landing gear hydraulic lines disconnecting	1	ALL
-22	168-58801-37	*1							Line Assembly - Gear up port selector valve to restrictor valve	1	ALL
-23	77-58520								Line Assembly - Hydraulic landing gear down fore outboard port of selector valve to tee	1	ALL
-24	811FT6								Fitting - Reducer	2	ALL
-25	62-58084-7								Valve Assembly - Hydraulic restrictor	1	ALL
-26	55-58518								Line Assembly - Hydraulic reservoir vent	1	ALL
-27	55-58519								Line Assembly - Hydraulic reservoir filler drain	1	ALL
-28	168-58801-19								Line Assembly - Hydraulic return valve assembly to reservoir	1	ALL
-29	77-58532								Line Assembly - Hydraulic rear inboard port selector valve to bottom of ratchet valve flaps down	1	ALL
-30	77-58536								Line Assembly - Hydraulic front inboard port selector valve to top of ratchet valve flaps up	1	ALL
-31	69-58507								Line Assembly - Hydraulic tee to flap operating strut end port down	2	ALL
-32	811JTS								Fitting - Tee	1	ALL
-33	72-58510								Line Assembly - Hydraulic reservoir to upper tee pump	1	ALL
-34	72-58508								Line Assembly - Hydraulic front port ratchet valve to tee flap down	1	ALL
-35	811FT								Fitting - Nipple	2	ALL
-36	811CT5								Fitting - Elbow 90°	2	ALL
-37	88-58070								Valve Assembly - Hydraulic wing flap ratchet	1	ALL
	No Number								Hydraulic Reservoir & Selector Valve Fittings (see figure 33 for detail breakdown)	NP	ALL
-38	55-58032								Strut Assembly - Hydraulic wing flap operating	Ref	
-39	66-58026-2								Strut Assembly - Hydraulic landing gear operating	Ref	
-40	88-58011-10								Valve Assembly - Hydraulic landing gear and flap selector	Ref	
-41	121-58025								Reservoir Assembly - Hydraulic fluid	1	

\*1 Refer to T. O. 1T-6G 211.

Section 11  
Group Assembly Parts List

AN 01-60PPH  
FUELAGE (Cont.)



100-58-1302A

FIGURE 36 - HYDRAULIC ENGINE DRIVEN PUMP, HAND PUMP AND PRESSURE GAGE EQUIPMENT



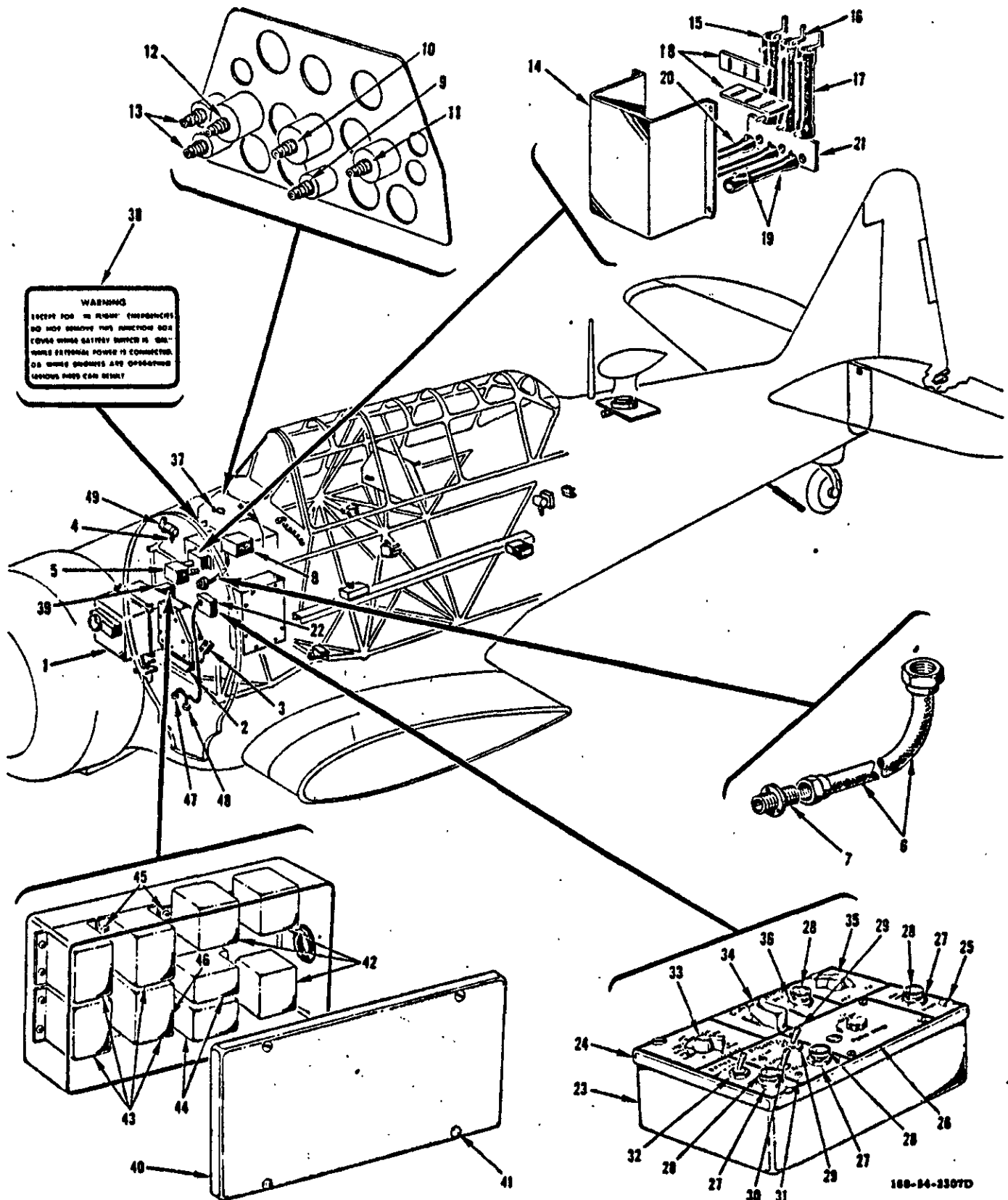


FIGURE 37 - ELECTRICAL EQUIPMENT

FIGURE & INDEX NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER ASSY.	UNITS CIRCUIT
		ELECTRICAL EQUIPMENT		
37	168-54001	Electrical Equipment Installation (see fig. 1 for next assy)	NP	
	168-54002	Wiring Diagram	1	A1-E30
	182-54002	Wiring Diagram	1	K, U
	168-54004	Wiring Diagram	1	Z
	168-54003	Wiring Diagram	1	E31-J57
	168-54014-1	Electrical Equipment Installation - Wing outer panel LH (see figure 41 for detail breakdown)	NP	ALL
	168-54014-2	Electrical Equipment Installation - Wing outer panel RH (see figure 41 for detail breakdown)	NP	ALL
	168-54040	Electrical Equipment Installation - Power Plant (see figure 6) for detail breakdown)	NP	ALL
	168-54131	Electrical Equipment Installation - Fuselage sta 106 31/32 to 275 27/32 (see figure 37A for detail breakdown)	NP	ALL
	182-54031	Electrical Equipment Installation - Fuselage station 1 to 106 31/32 (see figure 42A for detail breakdown)	NP	K, U
	168-54031	Electrical Equipment Installation - Fuselage station 1 to 106 31/32	NP	A, Z
	No Number	Fuselage Station 31 to 106 31/32 miscellaneous Electrical Equipment (see figure 37A for detail breakdown)	NP	A, Z
-1	No Number	Battery Equipment (see figure 39 for detail breakdown)	NP	A, Z
-2	No Number	Main Power Panel Connector Relay Box Assembly (see figure 42 for detail breakdown)	NP	A, Z
-3	No Number	Generator Control and Throttle Switch Boxes (see figure 40 for detail breakdown)	NP	A, Z
-4	AN3054-4	Nut - Conduit coupling	NP	A, Z
-5	450250-0-3	Flasher Assembly - Position light (for a list of detail parts refer to T.C. 03-5-55) (PCI)	1	A, Z
-6	AN3057-6	Adapter - Electrical accessory to cable.	1	A, Z
-7	25-54080-3AE94	Conduit Assembly - Flexible.	1	A, Z
-8	E1156-3-10	Socket Assembly - Multiple circuit connector (BC).	1	A, Z
-9	168-54030	Switch Installation - Ignition (mod) (see figure 38)	NP	A, Z
-10	AN3106-14S2S	Plug - Electric connector straight (eng gage).	2	A, Z
	AN3057-6	Adapter - Electrical connector straight (turn and bank)	2	A, Z
	AN3106-10SL13	Plug - Electrical connector straight (compass)	2	A, Z
-11	AN3057-4	Plug - Electrical connector straight (tach indicator)	2	A, Z
-12	AN3106-14S2S	Plug - Electrical connector straight (free air temp)	2	A, Z
-13	AN3106-14S1S	Adapter - Electrical accessory to cable.	8	A, Z
-14	AN3057-6	Cover - Electrical resistor mounting	1	A, Z
-15	168-54047	Resistor - Vitreous enameled (ABZUG 15 ohm 50 w with No. 6101 mounting) (CM)	1	A, Z
-16	No Number	Resistor - Vitreous enameled (ABZUG 15 ohm 50 w with No. 6101 mounting) (CM)	2	A, Z
-17	0200B	Resistor (with No. 5101 mounting bracket and bolts for 4 inch resistor)	1	D31-, Z
-18	168-54048-5	Spacer - Electrical resistor mounting.	2	A, Z
-19	No Number	Resistor - Vitreous enameled (ASYCU 20 ohm 10 w) (CM)	2	A, Z
-20	No Number	Resistor - Vitreous enameled (ASYCU 10 ohm 20 w) (CM)	1	A, Z
-21	168-54048-3	Box Assembly - Electrical armament control compartment	1	Z, Y
-22	168-54053	Cover Assembly - Electrical armament control box.	1	Z, Y
-23	168-54055	Stud (IZ)	1	Z, Y
-24	168-54054	Projector Release (Spec. 24975) (GFP)	4	Z, Y
-25	A4-25	Light Assembly - Press to test indicator.	3	Z, Y
-26	Type A3	Lamp - T3 1/4 bulb SC miniature bayonet base.	1	Z, Y
-27	AN3157-3	Switch - Toggle single pole one hole mtg (rocket arming)	1	Z, Y
-28	AN3121-313	Switch - Toggle four pole three hole mtg (rocket sel)	1	Z, Y
-29	AN3021-1	Screw - Machine round head coarse thread.	4	Z, Y
-30	AN3227-3	Switch - One hole mtg double pole toggle (bomb arming).	1	Z, Y
-31	AN515-6R4	Switch - Rotary selector (master selector).	1	Z, Y
-32	AN3027-1	Switch - Three hole mtg three hole toggle	1	Z, Y
-33	AN3211-4	Guard (CUT)	1	Z, Y
-34	AN3226-1	Rheostat - Aircraft power (sight brightness cont).	1	Z, Y
-35	8716K689	Light - Press to test indicator (AN3157-6 may be substituted).	1	Z, Y
-36	AN3155-200	Light Assembly - Direct instrument	1	Z, Y
-37	AN3157-9	Detail Marking	2	A, Z
-38	AN3034-2	Box Assembly - Electrical relay armament (complete).	1	A, Z
-39	1E138	Cover Assembly - Electrical relay armament box.	1	Z, Y
-40	168-54086	Stud (IZ)	1	Z, Y
-41	168-54085	Relay (LR)	4	Z, Y
-42	A4-25	Relay - 10 amp 3 pdt.	3	Z, Y
-43	237EAU	Relay - 25 amp spst	4	Z, Y
-44	AN3316-2	Screw - Machine round head coarse thread.	22	Z, Y
-45	AN3320-1	Screw - Machine round head coarse thread.	4	Z, Y
-46	AN515-8R8	Plug - Electrical connector straight	1	Z, Y
-47	AN515-8R14	Receptacle - Electrical connector wall mounting.	1	Z, Y
-48	AN3106-10SLAP	Valve Assembly - Solenoid.	Ref	
-49	AN3100-18-1S			
-50	3716210			

NCTE: • Items listed thus for both front and rear cockpits.

Revised 29 June 1962

Section II  
Group Assembly Parts List

AN 01-60FFA-4

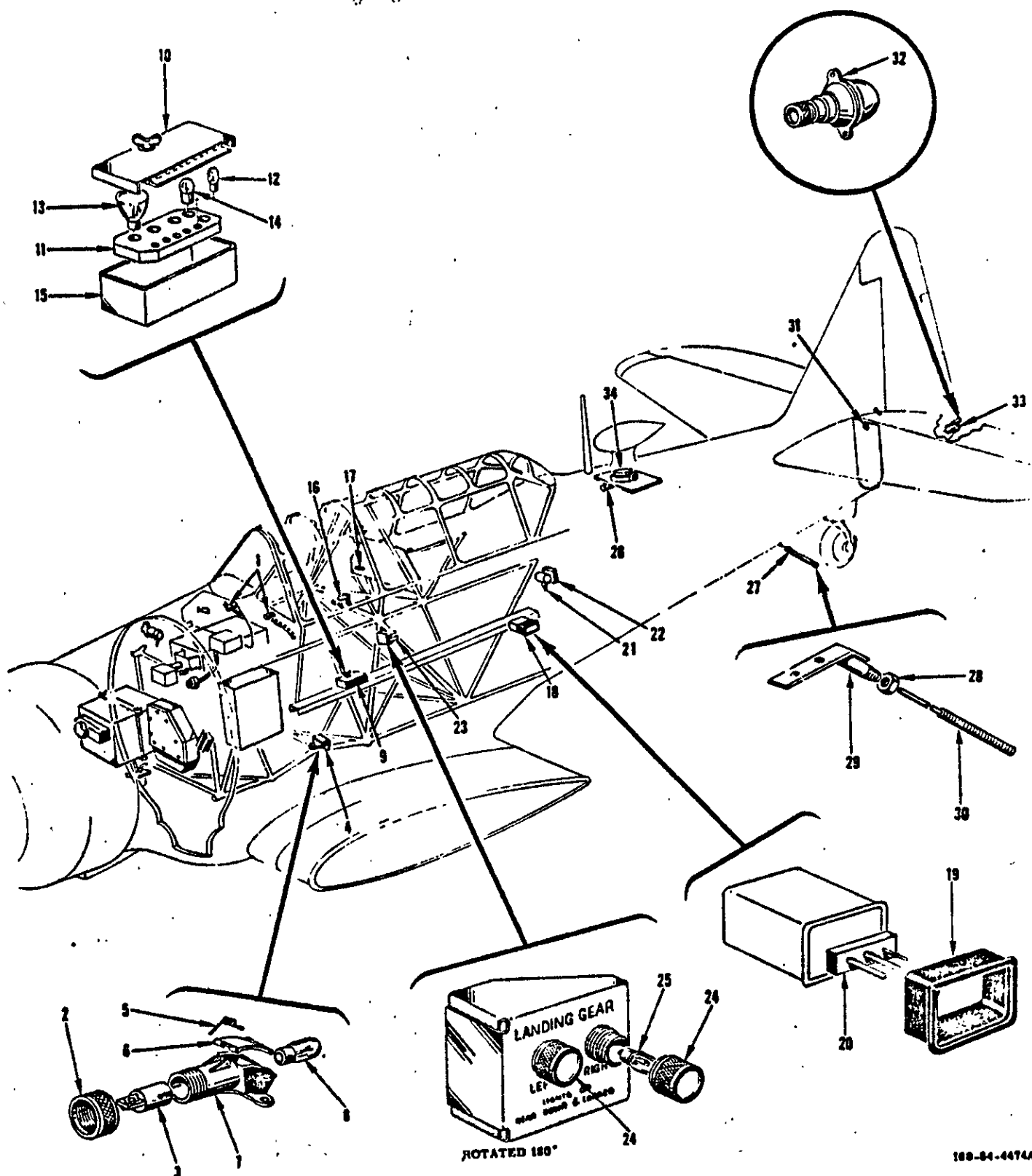
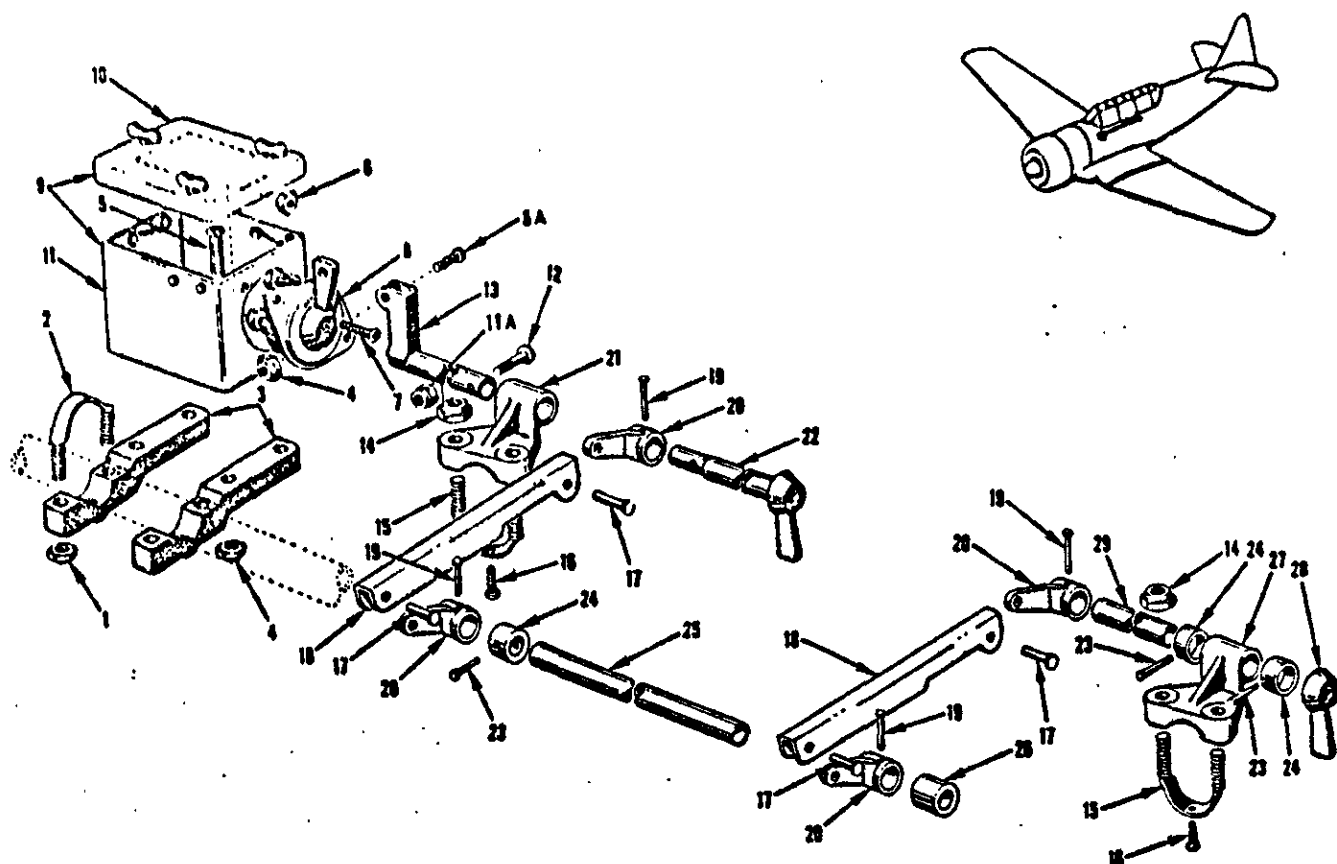


FIGURE 37A - ELECTRICAL EQUIPMENT STATION 31 TO 275 27/32

## Group Assembly Parts List

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	USABLE ON CODE
ELECTRICAL EQUIPMENT STATION 31 TO 275 27/32											
37A	No Number	Electrical Equip Fus Station 31 to Station 275 27/32									
-1	B2930A	Fuselage Station 31 to 106 31/32 Miscellaneous Electrical Equipment (see figure 37 and 42A for next assembly)								NP	ALL
-2	36A2212-3	Light Assembly - Fluorescent ultra-violet (GMC) (spec 32451A) (type C8) (front and rear cockpit)								4	ALL
-3	32A1981	Nut - Flexible conduit ferrule coupling								2	ALL
-4	37A4527	Socket Assembly - Double pole electrical								2	AL-A19
-5	25-54052	Socket Assembly - Single pole electrical								2	A20-
-6	146-31334	Light Assembly - Tank fluid gage								2	ALL
-7	19-54036	Spring - Fuel gage light								1	ALL
-8	19-54021	Reflector - Fuel gage light								1	ALL
-9	AN3141-301	Shield - Fuel gage light								1	ALL
-10	AN3123-301	Lamp - G-5 bulb single contact candelabra bayonet base (AN3123-301 may be substituted)								2	A1-A19
-11	168-54095	Lamp - T4 1/4 bulb single contact candelabra bayonet base								2	A20-
-12	77-54114	Box Assembly - Spare lamps (mod)								1	ALL
-13	168-54095-3	Cover Assembly - Spare lamp box								1	ALL
-14	AN3121-313	Pad - Spare lamps								1	ALL
-15	AN3125-1	Lamp - T-3 1/4 bulb single contact miniature bayonet base								4	ALL
-16	AN3141-301	Lamp - RPL2 bulb double contact fluorescent								2	ALL
-17	77-54096	Lamp - G-5 double contact candelabra bayonet base								1	ALL
-18	No Number	Shield Assembly - Spare lamp box								1	ALL
-19	AN3034-2	Horn - Warning type J-2 (Spec No. 32462)								1	ALL
-20	168-54350	Light Assembly - Direct instrument								2	ALL
-21	168-54350-5	Box Assembly - Electrical ext power receptacle								1	ALL
-22	AN2552A3A	Seal - Electrical ext power receptacle								1	ALL
-23	AN3106-1233S	Receptacle - Ext power 28 volt DC								1	ALL
-24	AN3057-4	Plug - Electrical connector straight								1	ALL
-25	No Number	Adapter - Electrical accessory to cable								1	ALL
-26	AN520-10R8	Inverter - Rotary 400 cycles (Spec No. 94-32270A) (GPP)								1	ALL
-27	AN060D10	Screw - Machine round head fine thread								4	*1
-28	168-54038	Washer - Plain								4	*1
-29	AN3157-3	Bracket - Electrical alighting gear indicator lights								1	ALL
-30	AN3121-313	Light Assembly - Press to test indicator								2	ALL
-31	168-54131	Lamp - T3 1/4 bulb single contact miniature bayonet base								2	ALL
-32	AN3106-1432S	Electrical Equip Installation - Fus sta 106 to 275 (see figure 37 for next assembly)								NP	ALL
-33	AN3057-6	Plug - Electrical connector straight								1	ALL
-34	88-54414	Adapter - Electrical accessory to cable								1	ALL
-35	88-54415	Ground Assembly - Electrical static								1	ALL
-36	88-54416	Nut - Electrical static ground wire attaching								1	ALL
-37	442-21	Plate Assembly - Electrical static ground wire								1	ALL
-38	AN3436-2-2	Wire Assembly - Static ground								1	ALL
-39	AN515-4R7	Terminal Block Assembly - Electrical								1	ALL
-40	AN960D4	Screw - Machine round head coarse thread								2	ALL
-41	AN365-440	Washer - Plain								2	ALL
-42	AN3158-2	Nut - Self locking 250° F								2	ALL
-43	AN3158-1	Light Assembly - Tail position (yellow) (see figure 13)								Ref	
-44	AN5730-3	Light Assembly - Tail position (white) (see figure 13)								Ref	
-45		Compass - Remote indicating magnetic (see figure 20A)								Ref	

\*1 Added per T. O. No. 01-60PFA-50.



168-54-33798

FIGURE 38 - IGNITION SWITCH

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									FUSELAGE (Cont)		
									IGNITION SWITCH		
38	168-54030								Switch Installation - Ignition (modification) (see fig. 37 & 42A for next assembly)	NP	ALL
-1	AN365-428								• Nut - Self locking 250°F	4	ALL
-2	5B6-18								• Bolt - U (NA)	2	ALL
-3	23-54055								• Bracket - Ignition switch box	2	ALL
-4	AN365-1032								• Nut - Self locking 250°F	5	ALL
-5	NAS221-12								• Screw - Brazier head Phillips recess alloy steel 10-32	4	ALL
-5A	NAS221-10								• Screw - Brazier head Phillips recess alloy steel 10-32	1	ALL
-6	AN365-632								• Nut - Self locking 250°F	2	ALL
-7	AN515-6-5								• Screw - Round head machine coarse thread	2	ALL
-8	28-54057								• Switch - Ignition (altered from type A7) (Spec. 94-32090)	1	ALL
-9	55-54054								• Box Assembly - Ignition switch	1	ALL
	55-54054-3								• Cover Sub-Assembly - Ignition switch	1	ALL
-10	55-54056								• Cover Assembly - Ignition switch box	1	ALL
	55-54054-2								• Shield Sub-Assembly - Ignition switch	1	ALL
-11	55-54055								• Shield Assembly - Ignition switch box	1	ALL
-11A	AN365-832								• Nut - Self locking 250°F	1	ALL
-12	NAS220-12								• Screw - Brazier head Phillips recess alloy steel 8-32	1	ALL
-13	168-54017								• Arm Assembly - Ignition switch actuating	1	ALL
-14	AN365-428								• Nut - Self locking 250°F	4	ALL
-15	5B6-16								• Bolt - U (NA)	2	ALL
-16	AN530-6-8								• Screw - Sheet metal round head	2	ALL
-17	AN393-11								• Pin - Flat head 3/16	4	ALL
-18	55-54059								• Link - Ignition switch handle connecting	2	ALL
-19	AN392-23								• Pin - Flat head 1/8	4	ALL
-20	49-54045								• Bellcrank - Ignition switch	4	ALL
-21	55-54083								• Bracket - Front ignition switch handle support	1	ALL
-22	55-54102								• Handle Assembly - Front cockpit ignition switch	1	ALL
-23	AN392-21								• Pin - Flat head 1/8	3	ALL
-24	19-54056								• Collar - Ignition switch rod	3	ALL
-25	19-54069-2								• Tube - Ignition switch control	1	ALL
-26	484D616-22								• Spacer - Bolt (NA) (used only when modifying 55-54030)	1	ALL
-27	168-54009								• Bracket - Rear ignition switch handle support	1	ALL
-28	19-54046								• Handle Assembly - Ignition switch	1	ALL
-29	49-54191-4								• Tube - Ignition switch control (used only when modifying 55-54030)	1	ALL



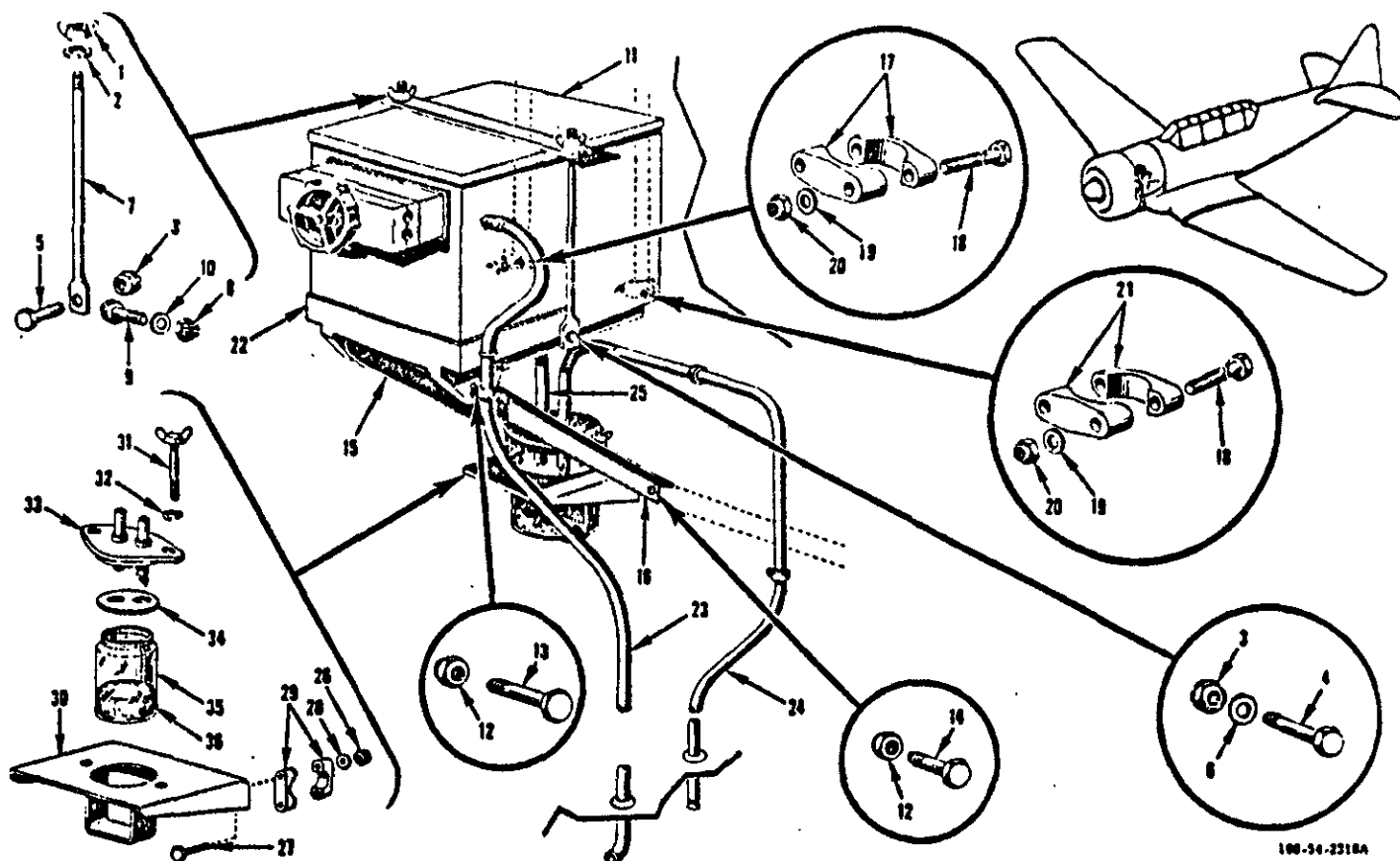


FIGURE 39 - BATTERY EQUIPMENT

FIGURE 39 PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
								FUSELAGE (Cont)		
								BATTERY EQUIPMENT		
39	No Number							Battery Equipment (see figure 37 and 42A for next assembly).	NP	ALL
-1	AN350-6							Nut - Wing	2	ALL
-2	AN960-616							Washer - Plain	2	ALL
-3	AN310-4							Nut - Castellated airframe	2	ALL
-4	AN4-11							Bolt - Aircraft 1/4-28	1	ALL
-5	AN4-6							Bolt - Aircraft 1/4-28	1	ALL
-6	AN960-416							Washer - Plain	1	ALL
-7	168-54016-3							Rod - Battery holddown	2	ALL
-8	AN310-5							Nut - Castellated airframe	1	ALL
-9	AN44-14							Bolt - Eye 5/16-24 for 1/4 pin	1	ALL
-10	AN960-516							Washer - Plain	1	ALL
-11	AN3150A							Battery - 24 Volt 34 amp hour shielded storage (with CED No. 11749 receptacle and No. 11751 plug) (GFP)	1	ALL
-12	AN365-428							Nut - Self locking 250°P	4	ALL
-13	AN4-10A							Bolt - Aircraft 1/4-28	2	ALL
-14	AN4-5A							Bolt - Aircraft 1/4-28	2	ALL
-15	88-54374							Brace - Battery support right	1	ALL
-16	88-54375							Brace - Battery support left	1	ALL
-17	5C1							Clamp (NA)	2	ALL
-18	AN4-33A							Bolt - Aircraft 1/4-28	4	ALL
-19	AN960-416							Washer - Plain	4	ALL
-20	AN365-428							Nut - Self locking 250°P	4	ALL
-21	5C1							Clamp (NA)	2	ALL
-22	88-54005							Support - Battery	1	ALL
-23	88-54840							Tube Assembly - Battery vent intake	1	ALL
-24	88-54828							Tube Assembly - Battery sump to vent outlet	1	A,K,U
-25	168-54828							Tube Assembly - Battery sump to vent outlet	1	Z
-26	88-54819							Tube Assembly - Battery to sump	1	ALL
-27	AN365-1032							Nut - Self locking 250°P	4	ALL
-28	AN3-15A							Bolt - Aircraft 10-32	4	ALL
-29	AN960-416							Washer - Plain	4	ALL
-30	5C1-2							Clamp (NA)	4	ALL
-31	88-54307							Support Assembly - Battery vent outlet sump	1	ALL
-32	73-54162							Bolt Assembly - Battery vent outlet sump holddown	2	ALL
-33	AN935-10							Washer - Spring lock	2	ALL
-34	8c5							Cover Assy - Battery vent outlet sump (NA) (supersedes 99-54161)	1	ALL
-35	99-54163							Seal - Battery vent outlet sump	1	ALL
-36	3504							Jar (GLS)	1	ALL
-37	88-54311							Sponge - Battery vent sump	1	ALL

## Group Assembly Parts List

T. O. 17-10-4

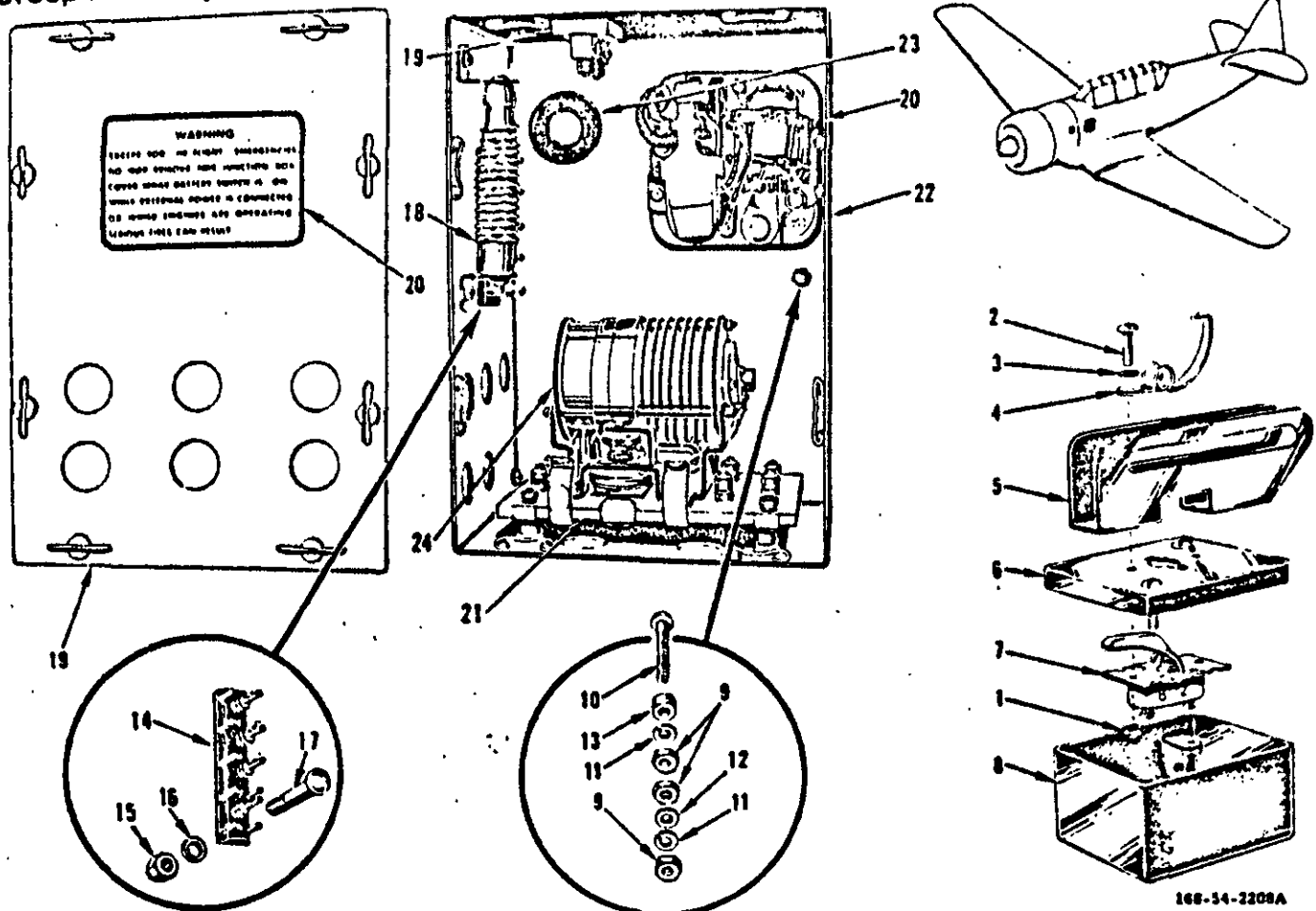


FIGURE 40 - GENERATOR CONTROL AND THROTTLE SWITCH BOXES

168-54-2208A

FIGURE 40 PART NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									FUSELAGE (Cont)		
									GENERATOR CONTROL AND THROTTLE SWITCH BOXES		
40	No Number								Generator Control & Throttle Switch Boxes (see figs. 37 & 42A for next assy)	NP	ALL
	55-54139-4								Box Assembly - Throttle switch	1	ALL
	55-54139-3								Box Sub-Assembly - Throttle switch	2	ALL
-1	AN365-832								Nut - Self locking	2	ALL
-2	AN515-8-10								Screw - Round head machine coarse thread	2	ALL
-3	AN960-8								Washer - Plain	1	ALL
-4	51-54147								Spring - Throttle switch	1	ALL
-5	55-54140								Guide - Throttle switch	1	ALL
-6	55-54138								Cover Assembly - Throttle switch box	1	ALL
-7	34A6066								Switch Assembly - Toggle (type B-12)	1	ALL
	55-54139-5								Box Sub-Assembly - Throttle switch	1	ALL
-8	55-54137								Shield Assembly - Throttle switch box	1	ALL
	168-54068								Box Assembly - Generator control panel complete	1	A1-K87, H51-
	168-54068-10								Box Assembly - Generator control panel complete	1	K88-L94
	168-54068-20								Box Assembly - Generator control panel complete	1	L95-
									ATTACHING PARTS		
-9	AN341-416								Nut - Hexagon (for electrical use)	3	ALL
-10	AN520B416R24								Screw - Round head machine fine thread	1	ALL
-11	AN935-416								Washer - Spring lock	2	ALL
-12	AN960B416								Washer - Plain	1	ALL
-13	4S3B416-8								Spacer - Bolt	1	ALL
-14	AN3436-4-4								Terminal Block Assembly - Electrical	1	ALL
-15	AN365-440								Nut - Self locking 250° F.	2	ALL
-16	AN960D4								Washer - Plain	2	ALL
-17	AN515-4R7								Screw - Machine round head coarse thread	2	ALL
	AN3433-4-2								Bus - Terminal block	2	ALL
-18	No Number								Resistor - Corrugated ribbon (COABE with No. 6101 mtg) (OM)	1	A1-L94
	No Number								Resistor - Corrugated ribbon (COIEK with No. 6107 mtg) (OM)	1	L95-
-19	No Number								Shunt - Ammeter external 50 millivolt (Spec 94-32284) (OFF)	1	ALL
-20	AN3025-1								Cutout - Reverse current 28 volt DC system (GFP)	1	ALL
-21	168-54067								Cover Assembly - Electrical generator control panel	1	K, U
	182-54070								Cover - Battery charging resistor	1	A1-K87, H51-
	168-54069								Box Assembly - Electrical generator control panel	1	K88-L94
	168-54069-10								Box Assembly - Electrical generator control panel	1	L95-
	168-54069-20								Box Assembly - Electrical generator control panel	1	ALL
-23	AN931-16-72								Grommet - Elastic	1	ALL
-24	No Number								Box Assy - Voltage carbon pile type P-1 (Spec 94-32276) (OFF)	1	ALL

\*1 Refer to T. O. 811-3-1-501.

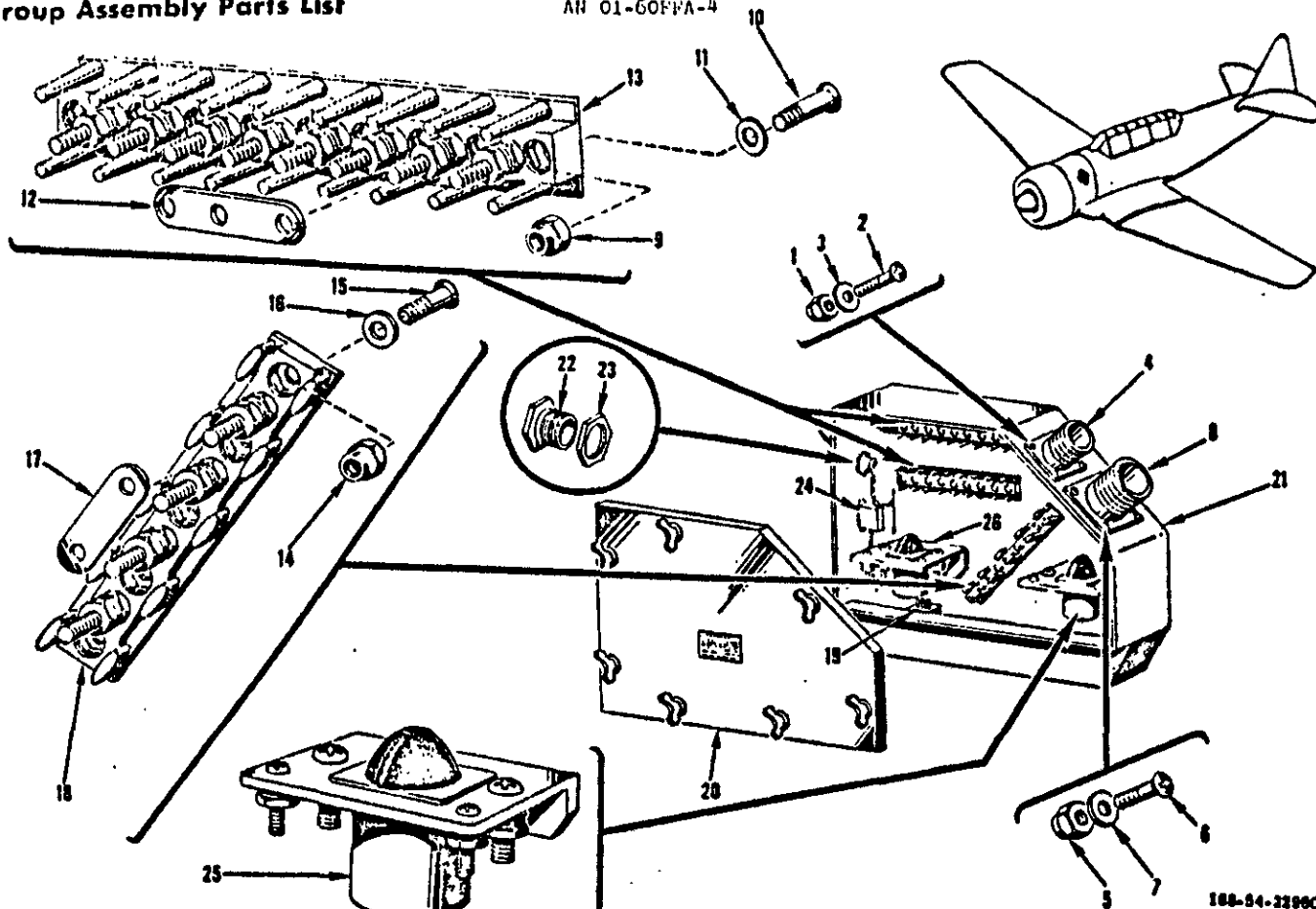


Revised: 29 June 1962

GROUP & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	USEABLE ON CODE
FUSELAGE (Cont)											
WING OUTER PANEL ELECTRICAL EQUIPMENT											
41	168-54014-1	Electrical Equipment Installation - Wing outer panel LH (see figure 37 for next assembly).								NP	ALL
	168-54014-2	Electrical Equipment Installation - Wing outer panel RH (see figure 37 for next assembly).								NP	ALL
-1	168-54020	Bracket - Wing tip position light.								1	ALL
-2	AN3033-3	Light Assembly - Wing position wing tip LH.								1	ALL
	AN3033-4	Light Assembly - Wing position wing tip RH.								1	ALL
-3	AN5816-2	Tube - Electric heated pitot static (RH only) (QFP) (see fig. 3).								Ref	ALL
-4	811HT4C	Fitting - Solderless (union).								1	ALL
-5	88-54408	Panel Assembly - Wing tip connector.								1	ALL
-6	AN340-8	Nut - Light hexagon coarse thread.								2	ALL
-7	AN515-8-10	Screw - Round head machine coarse thread.								1	ALL
-8	AN335-8	Washer - Spring lock.								2	ALL
-9	AN260-8	Washer - Plain.								2	ALL
-10	78-54027	Insulator - Two post connector panel.								1	ALL
-11	78-54013	Panel Assembly - Post connector.								1	ALL
-12	AN340-8	Nut - Light hexagon coarse thread.								4	ALL
-13	AN506-832-16	Screw - 100° flat head machine coarse thread.								2	ALL
-14	AN335-8	Washer - Spring lock.								4	ALL
-15	AN260-8	Washer - Plain.								1	ALL
-16	78-54012	Panel - Two post connector.								1	ALL
-17	76A2212-3	Nut - Flexible conduit (LH only).								1	ALL
-18	37L4865	Lamp Assembly - Running (type B3) (LH only).								1	ALL
-19	AN3133-311	Lamp - S11 Bulb sc candelabra bayonet base (LH only).								1	ALL
-20	77-54061	Support Assembly - Running lamp (LH only).								1	ALL
-21	CM1356	Adapter - Sealed beam (AW).								1	ALL
-22	4541	Lamp Assembly - PAR 56 450 watt 28 volt (Mazda) (OE).								1	ALL
-23	88-54409	Panel Assembly - Landing light connector.								1	ALL
-24	AN340-8	Nut - Light hexagon coarse thread.								2	ALL
-25	NAS220-12	Screw - Brazier head Phillips recess alloy steel 8-32.								1	ALL
-26	AN335-8	Washer - Spring lock.								2	ALL
-27	AN260-8	Washer - Plain.								2	ALL
-28	88-54320	Panel Assembly - Eight post connector.								1	ALL
-29	AN340-8	Nut - Light hexagon coarse thread.								16	ALL
-30	AN335-8	Washer - Spring lock.								16	ALL
-31	AN260-8	Washer - Plain.								16	ALL
-32	AN507-832-16	Screw - 100° flat head machine coarse thread.								16	ALL
-33	88-54319	Panel - Eight post connector.								1	ALL
-34	84-54190	Insulator - Six post connector panel.								1	ALL
-35	811HT4C	Fitting - Solderless (RH only).								1	ALL
-36	82-51006	Sump - Airspeed line (RH only).								1	ALL
-37	811T4CS	Fitting - Solderless (RH only).								1	ALL
-38	811JT4C	Fitting - Solderless (RH only).								1	ALL
-39	88-541817	Line Assembly - Airspeed pressure outer panel (RH only).								1	ALL
-40	168-54004	Ring - Landing light shock absorber.								1	Z.Y
-41	AN3436-2-6	Terminal Block Assembly - Electrical.								1	Z.Y
-42	AN3436-2-16	Terminal Block Assembly - Electrical.								1	Z.Y
-43	AN3106A10323	Plug - Electrical connector straight.								1	Z.Y
	AN3057-3	Adapter - Electrical accessory to cable.								1	Z.Y
-44	AN3107B1AS28	Plug - Electrical connector quick disc.								2	Z.Y
	AN3057-6	Adapter.								2	Z.Y
	159-63011	Collar - Bomb rack electrical disc. plug.								2	Z.Y
-45	AN3100A18-18	Receptacle - Electrical connector wall mounting.								3	Z.Y
	AN3057-10	Adapter.								3	Z.Y
-46	102-0	Plug - (BTO) (on LH only for camera).								2	Z.Y

Group Assembly Parts List

AN 01-60FFA-4



100-84-2290C

FIGURE 42 - MAIN POWER PANEL CONNECTOR RELAY BOX

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									FUSELAGE (Cont)		
									MAIN POWER PANEL CONNECTOR RELAY BOX		
42	No Number								Main Power Panel Connector Relay Box (see figure 37 and 42A for next assembly)	NP	All
	166-54072								Box Assembly - Main power panel connector (mod)	1	A1-A50
	168-54072-10								Box Assembly - Main power panel connector (mod)	1	A51-G91,K,U
	168-54072-20								Box Assembly - Main power panel connector (mod)	1	Z,H51-J57
-1	AN365-440								Nut - Self locking 250°F	4	ALL
-2	AN515-4R6								Screw - Machine round head coarse thread	4	ALL
-3	AN960-4								Washer - Plain	4	ALL
-4	AN3102-22-12P								Receptacle - Electric connector straight	1	ALL
-5	AN365-632								Nut - Self locking 250°F	4	ALL
-6	AN515-6R6								Screw - Machine round head coarse thread	4	ALL
-7	AN960-6								Washer - Plain	4	ALL
-8	2065-26								Receptacle - Box mounting (CED)	1	ALL
-9	AN365-440								Nut - Self locking 250°F	4	ALL
-10	AN507-44OR7								Screw - Machine flat head 100°	4	ALL
-11	AN960D4								Washer - Plain	4	ALL
-12	AN3433-4-3								Bus - Terminal block	1	ALL
-13	AN3436-4-8								Terminal Block Assembly - Electrical	2	ALL
-14	AN365-632								Nut - Self locking 250°F	3	ALL
-15	AN507-632R7								Screw - Machine flat head 100°	3	ALL
-16	AN960D6								Washer - Plain	3	ALL
-17	AN3433-6-2								Bus - Terminal block	1	ALL
-18	AN3436-6-4								Terminal Block Assembly - Electrical	1	ALL
-19	CA275X								Capacitor - Direct current (JAN-C25) (CP53B2EB4OSK) (MAL)	1	ALL
-20	168-54036								Cover Assembly - Main power panel connector box	1	A1-A50
	168-54036-10								Cover Assembly - Main power panel connector box	1	A51-J57,K,U
-21	168-54034								Shield Assembly - Main power panel connector box	1	A1-A50
	168-54034-10								Shield Assembly - Main power panel connector box	1	A51-J57,K,U
	168-54034-20								Shield Assembly - Main power panel connector box	1	Z,H51-J57
-22	AN3064-4								Connector - Conduit box	1	Z,H51-J57
-23	AN3066-4								Nut - Lock conduit coupling	1	Z,H51-J57
-24	JX55P-RF								Filter - Radio noise filter 4 amp (Sprague)(type JX55C & F)	1	ALL, *1
	AN659-1								Terminal - Electric crimp style copper	2	Z,H51-J57
-25	No Number								Relay - Current spst 24 volts 200 amp (type B4) (Spec No. 94-32324) (GFP) (battery system)	1	ALL
-26	168-54091	*1							Relay Assy - Electrical starter circuit	1	A1-B20
	168-54090	*1							Plate - Electrical relay mounting adapter	1	A1-B20
	AN3371-1	*1,*2							Relay - 200 amp spst intermittent (type D8 Spec 94-32424)	1	A1-B20
	No Number								Relay - (type D8) (Spec 94-32424) (starter system)	1	B21-
	*1 Refer to T. O. 1T-60-48.										
	*2 Type D8 relays manufactured by Autolite Electric are not acceptable.										

## Group Assembly Parts List

T. O. 1T-6G-4

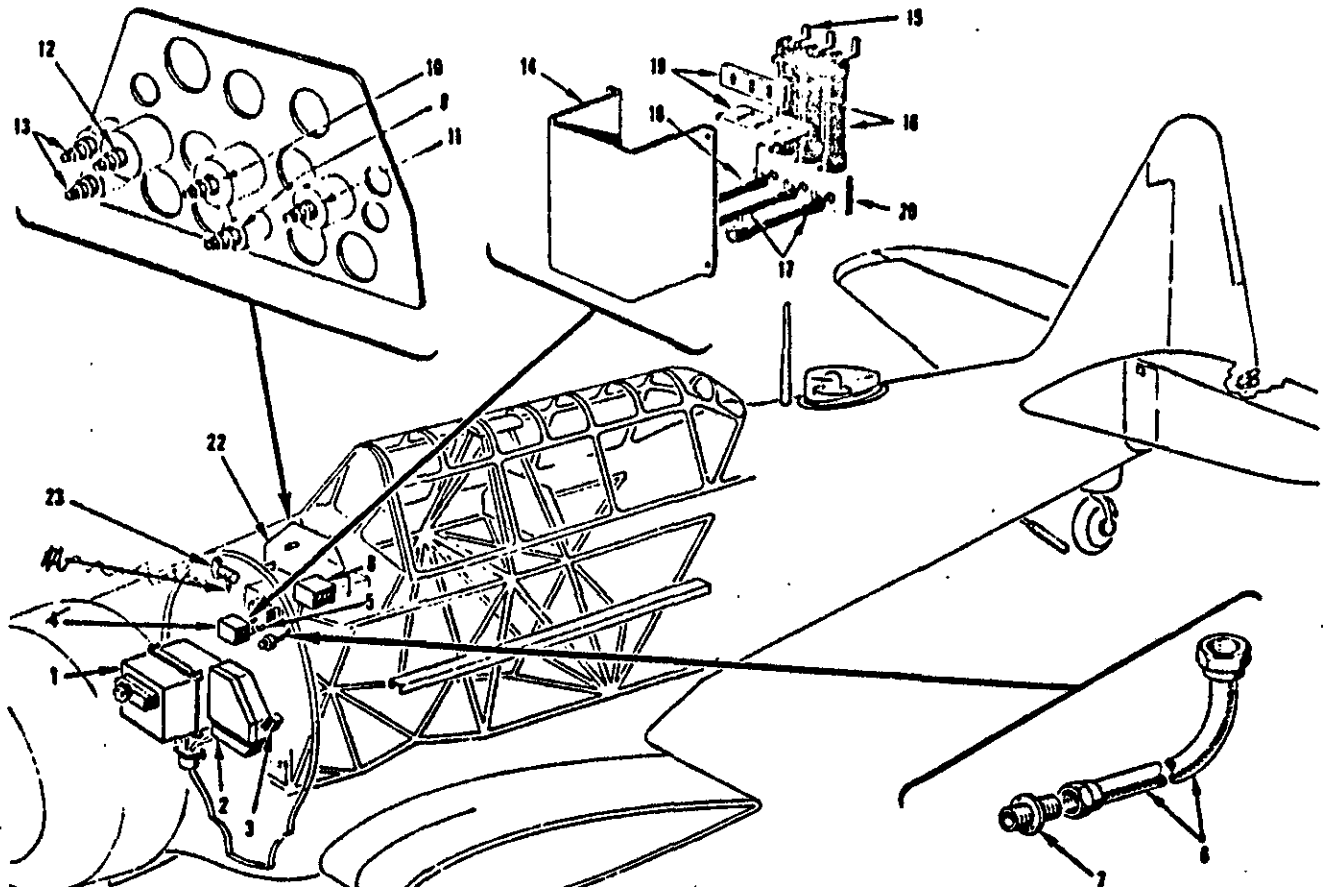
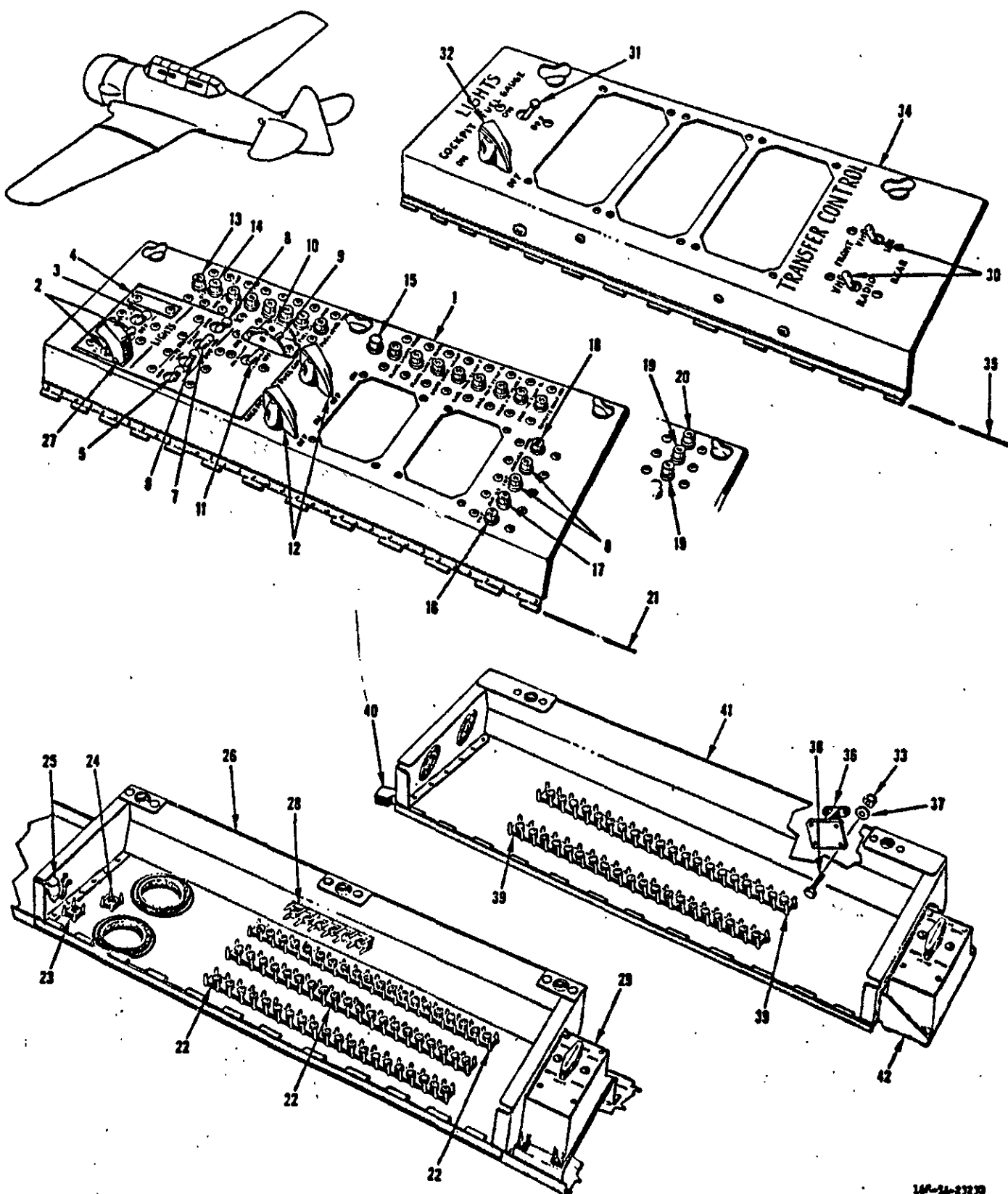


FIGURE 42A - ELECTRICAL EQUIPMENT COMPLETE STATION 1 TO 106-21/36

H-102-34-3

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	USEABLE ON CODE
									FUSELAGE (Cont)		
									FUSELAGE STATION 1 TO 106-21/36 ELECTRICAL EQUIPMENT COMPLETE		
42A	182-54031								Electrical Installation - Fuselage station 1 to 106-21/32 (see figure 37 for next assembly).	NP	K,U
	No Number								Fuselage Station 31 to 106 31/32 Misc Electrical Equipment (see fig. 37A for detail breakdown)	NP	K,U
-1	No Number								Battery Equipment (see figure 39 for detail breakdown).	NP	K,U
-2	No Number								Main Power Panel Connector Relay Box Assembly (see figure 42 for detail breakdown).	NP	K,U
-3	No Number								Generator Control and Throttle Switch Boxes (see figure 40 for detail breakdown).	NP	K,U
-4	1055-1								Flasher - Position light (SEAE) (Type C2)	1	K,U
-5	AN3057-10								Adapter - Electrical accessory to cable	1	K,U
-6	25-54080-3AE94								Conduit Assembly - Flexible	1	K,U
-7	E1156-3-10								Socket Assembly - Multiple circuit connector (EC)	1	K,U
-8	168-54030								Switch Installation - Ignition (mod) (see figure 38).	NP	K,U
-9	AN3106-14S2S								Plug - Electrical connector straight (engine gage)	2	K,U
	AN3057-6								Adapter - Electrical accessory to cable	2	K,U
-10	AN3106-10SL3S								Plug - Electrical connector straight (turn and bank)	2	K,U
	AN3057-4								Adapter - Electrical accessory to cable	2	K,U
-11	AN3106-14S2S								Plug - Electrical connector straight (compass)	2	K,U
-12	AN3106-14S1S								Plug - Electrical connector straight (Tach indicator)	2	K,U
-13	AN3106-14S2S								Plug - Electrical straight (free air temp)	4	K,U
	AN3057-6								Adapter - Electrical accessory to cable	8	K,U
-14	168-54047								Cover - Electrical resistor mounting	1	K,U
-15	0200B								Resistor (with No. 5101 mounting brackets and bolts for 4 inch resistor).	1	K,U
-16	No Number								Resistor - Vitreous enameled (ABZUG 15 ohm 50 w with No. 6101 mounting) (OM)	2	K,U
-17	No Number								Resistor - Vitreous enameled (ACYOU 20 ohm 10 w with No. 6101 mounting) (OM)	2	K,U
-18	No Number								Resistor - Vitreous enameled (ACYOU 10 ohm 10 w with No. 6101 mounting) (OM)	1	K,U
-19	168-54048-5								Spacer - Electrical resistor mounting	2	K,U
-20	168-54048-3								Spacer - Electrical resistor mounting	2	K,U
-21	AN7074-2								Light Assembly - Direct instrument	4	K,U
-22	AN7054-4								Nut - Conduit coupling	1	K,U
-23	37D6210								Valve Assembly - Solenoid	Ref	
									NOTE: Items listed thus for both front and rear cockpits		



16A-24-23230

FIGURE 43 - FRONT AND REAR ELECTRICAL CONSOLES

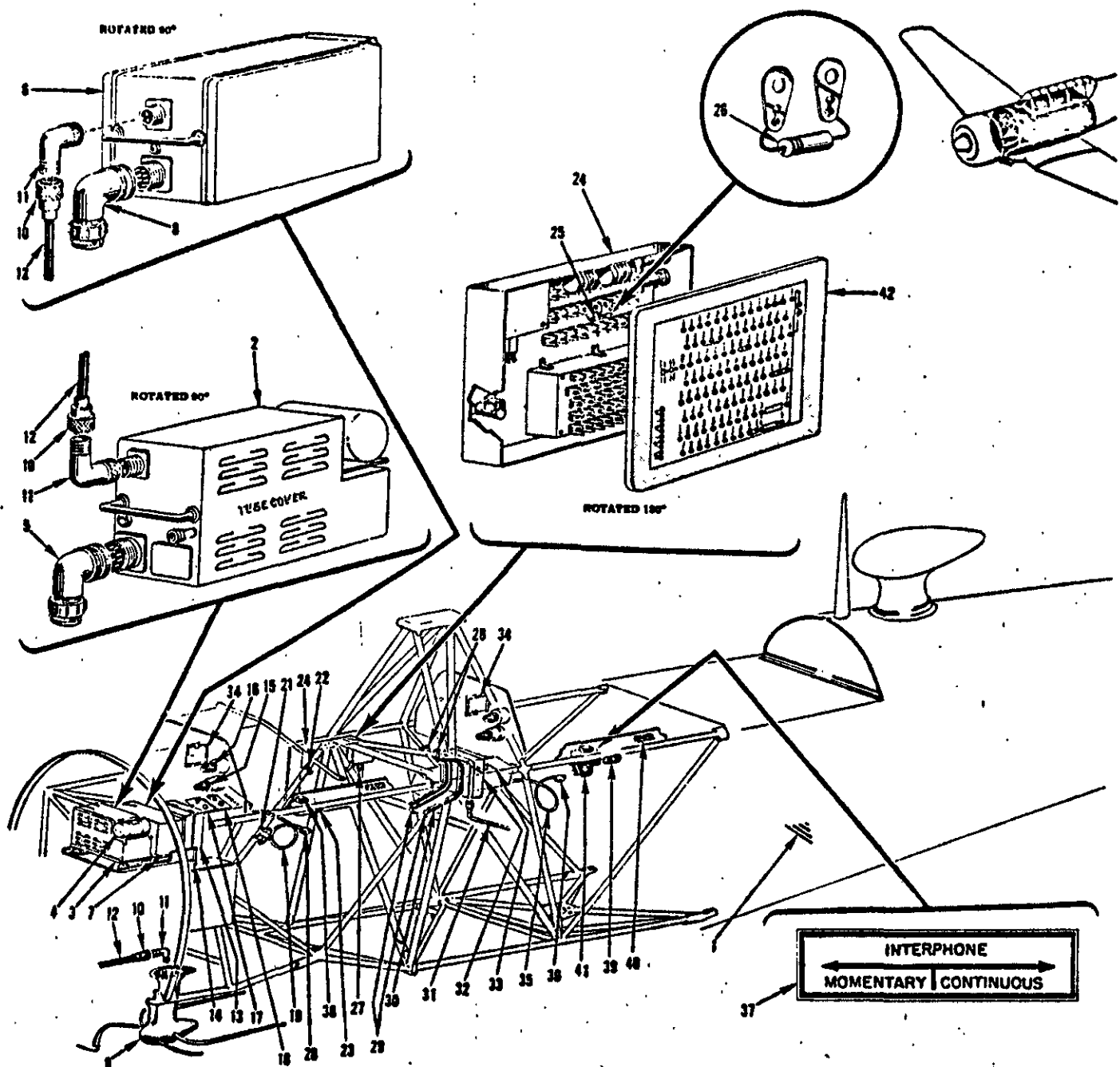
AN 01-60FFA

## Group Assembly Parts List

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)											
FRONT AND REAR ELECTRICAL CONSOLES											
Front and Rear Electrical Consoles											
43	168-54005	.	.	.	.	.	.	.	Console Assembly - Electric and radio front cockpit (see figure 15 for next assembly) . . . . .	Ref	A1-A15
	168-54005-10	.	.	.	.	.	.	.	Console Assembly - Electric and radio front cockpit (see figure 15 for next assembly) . . . . .	Ref	A16-A85
	168-54005-20	.	.	.	.	.	.	.	Console Assembly - Electric and radio front cockpit (see figure 15 for next assembly) . . . . .	Ref	A86-D30
	168-54005-30	.	.	.	.	.	.	.	Console Assembly - Electric and radio front cockpit (see figure 15 for next assembly) . . . . .	Ref	D31-J57
-1	168-54011	.	.	.	.	.	.	.	Cover Assembly - Electric and radio cockpit . . . . .	1	A1-A15
	168-54011-10	.	.	.	.	.	.	.	Cover Assembly - Electric and radio cockpit . . . . .	1	A16-A85
	168-54011-20	.	.	.	.	.	.	.	Cover Assembly - Electric and radio cockpit . . . . .	1	A86-D30
	168-54011-30	.	.	.	.	.	.	.	Cover Assembly - Electric and radio cockpit . . . . .	1	D31-J57
-2	AN3022-2	.	.	.	.	.	.	.	Switch - Three hole mounting single pole toggle . . . . .	2	A
-3	AN3160-5	.	.	.	.	.	.	.	Circuit Breaker - Switch type non-trip free . . . . .	1	A
-4	168-54011-9	.	.	.	.	.	.	.	Plate - Cover . . . . .	1	ALL,*1
-5	AN3160-10	.	.	.	.	.	.	.	Circuit Breaker - Switch type non-trip free . . . . .	1	A1-D30
	AN3227-1	.	.	.	.	.	.	.	Switch - Toggle four pole three hole mounting . . . . .	1	D31-J57
-6	AN3160-5	.	.	.	.	.	.	.	Circuit Breaker - Switch type non-trip free . . . . .	1	A1-D30
	AN3022-2	.	.	.	.	.	.	.	Switch - One hole mounting double pole toggle . . . . .	1	D31-J57
-7	AN3022-2	.	.	.	.	.	.	.	Switch - Toggle single pole three hole mounting . . . . .	1	A1-D30
	AN3160-5	.	.	.	.	.	.	.	Circuit Breaker - Switch type non-trip free . . . . .	1	D31-J57
-8	AN3160-5	.	.	.	.	.	.	.	Circuit Breaker - Switch type non-trip free . . . . .	3	A
-9	AN3160-10	.	.	.	.	.	.	.	Circuit Breaker - Switch type non-trip free . . . . .	1	A
-10	168-54033	.	.	.	.	.	.	.	Guard - Pitot heat switch . . . . .	1	A
-11	AN3022-8	.	.	.	.	.	.	.	Switch - Three hole mounting single pole toggle . . . . .	1	A
-12	AN3155-25-200	.	.	.	.	.	.	.	Rheostat - Aircraft power . . . . .	2	A
-13	AN3161P15	.	.	.	.	.	.	.	Circuit Breaker - Push button non-trip free . . . . .	1	A
-14	AN3161P5	.	.	.	.	.	.	.	Circuit Breaker - Push button non-trip free . . . . .	15	A1-D30
	AN3161P5	.	.	.	.	.	.	.	Circuit Breaker - Push button non-trip free . . . . .	14	D31-J57
-15	AN3161P10	.	.	.	.	.	.	.	Circuit Breaker - Push button non-trip free . . . . .	1	D31-J57
-16	AN3161P20	.	.	.	.	.	.	.	Circuit Breaker - Push button non-trip free . . . . .	1	A
-17	AN3161P10	.	.	.	.	.	.	.	Circuit Breaker - Push button non-trip free . . . . .	1	A
-18	AN3161P35	.	.	.	.	.	.	.	Circuit Breaker - Push button non-trip free . . . . .	1	A1-D30
	AN3161P5	.	.	.	.	.	.	.	Circuit Breaker - Push button non-trip free . . . . .	1	D31-J57
-19	AN3161P5	.	.	.	.	.	.	.	Circuit Breaker - Push button non-trip free . . . . .	2	D31-J57
-20	AN3161P35	.	.	.	.	.	.	.	Circuit Breaker - Push button non-trip free . . . . .	1	D31-J57
-21	AN253-2-1969	.	.	.	.	.	.	.	Pin - Hinge . . . . .	1	A1-A85
-22	NAS45-6-20	.	.	.	.	.	.	.	Panel Assembly - Electrical connector . . . . .	3	A
	NAS44A6-2	.	.	.	.	.	.	.	Bus Bar - Electrical . . . . .	3	A
	NAS44A6-5	.	.	.	.	.	.	.	Bus Bar - Electrical . . . . .	1	A
-23	NAS45-10-2	.	.	.	.	.	.	.	Panel Assembly - Electrical connector . . . . .	1	A
	NAS44A10-2	.	.	.	.	.	.	.	Bus Bar - Electrical . . . . .	1	A
-24	NAS45-6-2	.	.	.	.	.	.	.	Panel Assembly - Electrical connector . . . . .	1	A
-25	AS44B2	.	.	.	.	.	.	.	Switch - Mercury (MH) . . . . .	1	A
-26	168-54013	.	.	.	.	.	.	.	Support Assy - Elec and radio front cockpit cover (mod) . . . . .	1	A
	168-54013-10	.	.	.	.	.	.	.	Support Assy - Elec and radio front cockpit cover (mod) . . . . .	1	A86-J57
-27	45A21662	.	.	.	.	.	.	.	Guard - Toggle switch . . . . .	1	A
-28	NAS45-6-6	.	.	.	.	.	.	.	Panel Assembly - Electrical connector . . . . .	1	A
-29	FL30C	.	.	.	.	.	.	.	Filter (GFP) . . . . .	1	A1-A85
	168-54006	.	.	.	.	.	.	.	Console Assembly - Elec and radio cockpit (see figure 15 for next assembly) . . . . .	Ref	A1-A85
	168-54006-10	.	.	.	.	.	.	.	Console Assembly - Elec and radio cockpit (see figure 15 for next assembly) . . . . .	Ref	A86-J57
-30	AN3227-3	.	.	.	.	.	.	.	Switch - Three hole mounting four pole toggle . . . . .	2	A1-A85
-31	AN3022-8	.	.	.	.	.	.	.	Switch - Three hole mounting single pole toggle . . . . .	1	A
-32	AN3155-25-200	.	.	.	.	.	.	.	Rheostat - Aircraft power . . . . .	1	A
-33	AN365-1032	.	.	.	.	.	.	.	Nut - Self locking 250°F . . . . .	4	A
-34	168-54010	.	.	.	.	.	.	.	Cover Assembly - Elec and radio rear cockpit . . . . .	1	A1-A85
	168-54010-10	.	.	.	.	.	.	.	Cover Assembly - Electric and radio rear cockpit . . . . .	1	A86-J57
-35	AN253-2-1543	.	.	.	.	.	.	.	Pin - Hinge . . . . .	1	A
-36	168-54008	.	.	.	.	.	.	.	Support - Electric and radio console rear cockpit aft . . . . .	1	A
-37	AN960-10	.	.	.	.	.	.	.	Washer - Plain . . . . .	4	A
-38	NAS221-10	.	.	.	.	.	.	.	Bolt - Aircraft 10-32 . . . . .	4	A
-39	NAS45-6-16	.	.	.	.	.	.	.	Panel Assembly - Electrical connector . . . . .	2	A
-40	168-54007	.	.	.	.	.	.	.	Support - Elec and radio console rear cockpit forward . . . . .	1	A
-41	168-54012	.	.	.	.	.	.	.	Support Assy - Elec and radio rear cockpit cover . . . . .	1	A1-A85
	168-54012-10	.	.	.	.	.	.	.	Support Assy - Elec and radio rear cockpit cover . . . . .	1	A86-J57
-42	FL30C	.	.	.	.	.	.	.	Filter (GFP) . . . . .	1	A

\*1 Reworker Per T. O. No. 01-60FFA-4





100-71-492A

FIGURE 44 - COMPLETE FUSELAGE RADIO EQUIPMENT

## Group Assembly Parts List

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	USEABLE ON CODE
COMPLETE FUSELAGE RADIC EQUIPMENT											
44	168-71001	Radio Equipment Installation - Fuselage complete (see figure 1 for next assembly).									NP A,*2
-1	No Number	Fuselage Station 106.268 to station 242.19 Radio Equipment (see figure 45 for detail breakdown).									NP A,*2
-2	BU733C	Receiver - Localizer (Govt furnished and installed).									Ref A,*2
-3	ST203A	Mounting - Receiver (GFP).									1 A,*2
-4	TM53A	Dynamotor (Govt furnished and installed).									Ref A,*2
-5	AN3057-12	Plug - Electric connector angle 90°.									1 A,*2
-6	AN3057-12	Adapter - Electrical accessory to cable (GFP).									1 A,*2
-7	H944/ARNFA	Receiver - Guide path (Govt furnished and installed).									Ref A,*2
-8	MT28/ARN5	Mounting - Receiver (GFP).									1 A,*2
-9	AN3108-19-1S	Plug - Electric connector angle 90°.									1 A,*2
-10	AN3057-10	Adapter - Electric accessory to cable.									1 A,*2
-11	AS27A/ARN5	Antenna (Govt furnished and installed).									Ref A,*2
-12	FL234	Plug - Twin connector (GFP).									4 A,*2
-13	FL233	Plug - Twin angle 90° (GFP).									4 A,*2
-14	R022/A	Cable - Twinax (GFP).									15 ft. A,*2
-15	168-71017	Control Box Assembly - Radio (altered from C4/ARN7).									1 A,*2
-16	LA1564-76	Shaft Assembly - Tuning (SWTM).									1 A,*2
-17	PL118	Plug (GFP).									2 A,*2
-18	AN3054-10	Nut - Coupling.									2 A,*2
-19	AN3106-14S2S	Plug - Electric connector straight (GFP).									2 A,*2
-20	AN3057-6	Adapter - Electrical accessory to cable.									2 A,*2
-21	168-71012	Panel Assy - Radio VHF console (see fig. 46 for breakdown).									2 A1-A85.
-22	168-71061	Panel Assy - Radio VHF console front cockpit (see fig. 46A).									1 A86-J57
-23	168-71061-10	Panel Assy - Radio VHF console rear cockpit (see fig. 46A).									1 A86-J57
-24	168-71016	Panel Assy - Radio VAR-ILS console (see fig. 46 for bkdn).									2 A1-A85.
-25	168-71063	Panel Assy - Radio VAR-ILS console front cockpit (see figure 46A for detail breakdown).									1 A86-J57
-26	168-71063-10	Panel Assy - Radio VAR-ILS console rear cockpit (see figure 46A for detail breakdown).									1 A86-J57
-27	WFS/A	Cordage (USR).									54 in. A,*2
-28	U61/A	Plug (Moulded Insulation Company).									1 A,*2
-29	NC203A	Coupling (GFP).									1 A,*2
-30	Q902-20	Clip (CAC).									1 A,*2
-31	Q902-24	Clip (CAC).									2 A,*2
-32	168-71021	Box Assy - Radio Junction (see fig. 44C for detail breakdown).									1 A1-A85.
-33	168-71021-10	Box Assy - Radio Junction (see fig. 44C for detail breakdown).									1 A86-J55
-34	168-71021-20	Box Assy - Radio Junction (see fig. 44C for detail breakdown).									1 B56-J57
-35	168-71036	Resistor Assembly - Interphone.									1 A,*2
-36	168-71036-3	Resistor Assembly - Interphone.									1 A,*2
-37	168-71036-5	Resistor Assembly - Interphone.									1 A86-J57
-38	No Number	Resistor - 10 KCHMS (RC21AE103M) (JAN-R11) (used on 168-71036).									1 A,*2
-39	No Number	Resistor - 150 KCHMS (RC21AE154M) (JAN-R11) (used on 168-71036-3).									1 A,*2
-40	No Number	Resistor - 180 CHMS (RC20AE181K) (JAN-R11) (used on 168-71036-5).									1 A86-J57
-41	S306CCT	Socket (GFP).									1 A,*2
-42	Q902-16	Clip (CAC).									2 A,*2
-43	Q902-20	Clip (CAC).									2 A,*2
-44	168-71011	Bracket Assy - C4/ARN7 Radio compass control box aft.									1 A,*2
-45	LA1564-39	Shaft Assembly - Tuning (SWTM).									1 A,*2
-46	168-71013	Control Box Assembly - Radio (altered from C4/ARN7).									1 A,*2
-47	168-71014	Panel Assembly - Radio interphone console (see figure 46).									1 A1-A85.
-48	168-71014-10	Panel Assembly - Radio interphone console (see figure 46).									1 A86-J57
-49	153-71054	Guard - Frequency instruction card.									2 A,*2
-50	153-71172	Card - Frequency channel designation.									2 A,*2
-51	WFS/A	Cordage (USR).									56 in. A,*2
-52	U61/A	Plug (Moulded Insulation Company).									1 A,*2
-53	168-71037	Local - Radio interphone switch.									2 A,*2
-54	AN3023-6	Switch - Toggle double pole three hole mounting.									2 A,*2
-55	PL108	Plug Assembly - Electrical connector.									2 A,*2
-56	AN3054-6	Nut - Coupling.									2 A,*2
-57	NA345-6-7	Panel Assembly - Electrical connector.									2 A,*2
-58	168-43006	Control Assembly - Rear cockpit engine (see figure 70).									Ref
-59	168-71024	Cover Assy - Radio Junction box (see fig. 44D).									Ref
-60	168-71024-10	Cover Assy - Radio Junction box (see fig. 44D).									Ref
-61	168-71024-20	Cover Assy - Radio Junction box (see fig. 44E).									Ref

NOTE: \*1 Items marked thus for both front and rear cockpits.  
 \*2 Not used on modified airplanes coded Y, see fig. 44A.

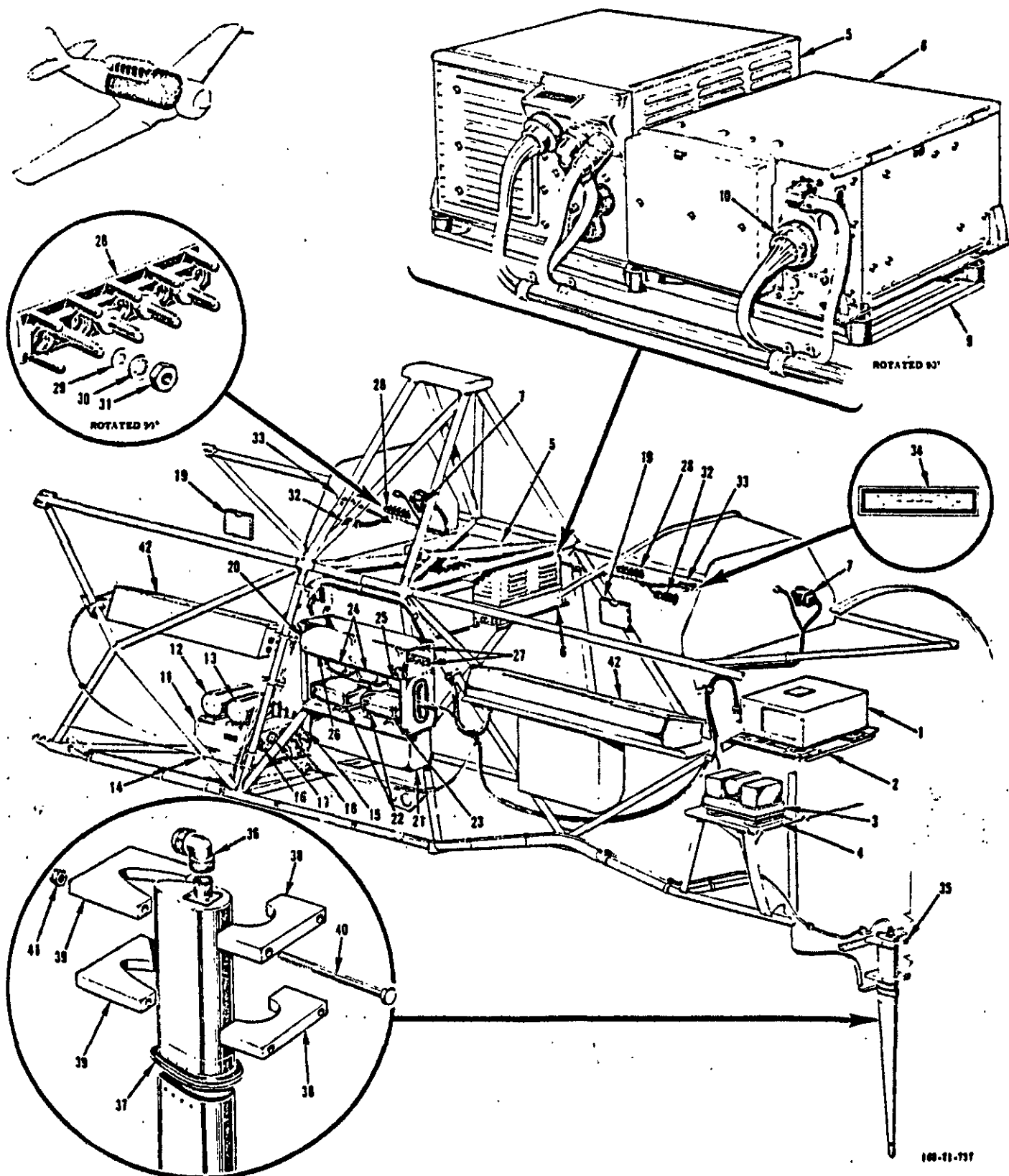
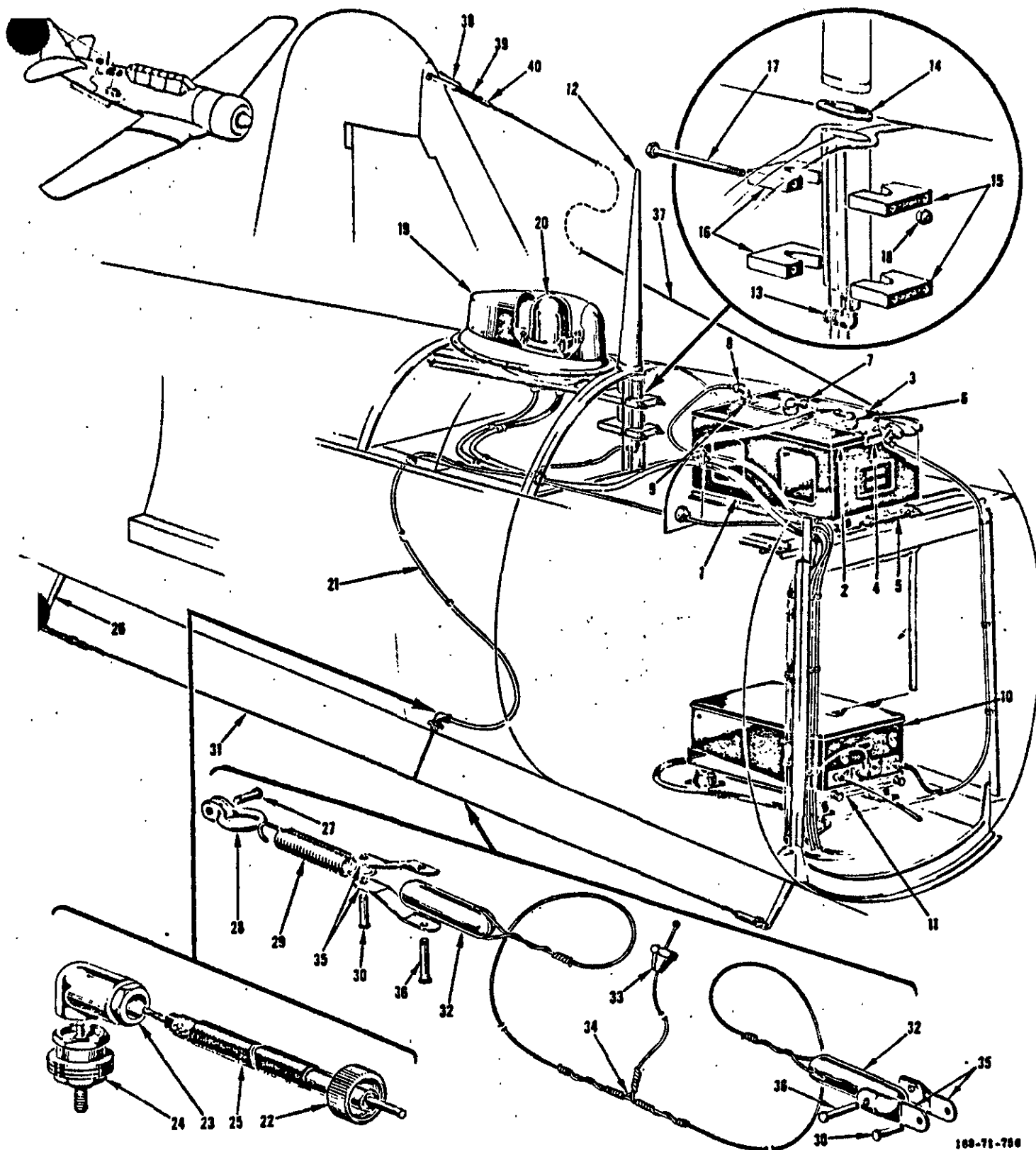


FIGURE 44A - RADIO EQUIPMENT

FIGURE & PART NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASY	APPLICATION CODE
									FUSELAGE (CONT.) RADIO EQUIPMENT		
44A	168-71101								Radio System Equipment Installation - Complete (see Figure 1 for next assembly)	NP	Z,Y
	No Number								Fuselage Station 106.5 to 242.19 Radio Equipment (see Figure 44B for detail breakdown)	NP	Z,Y
-1	FE04C								Dynamotor Unit (GFP)	1	Z,Y
-2	PT108								Mounting (GFP)	1	Z,Y
	PL-Q171								Plug (GFP)	1	Z,Y
	PL-Q172								Plug (GFP)	1	Z,Y
-3	AM300/AIC								Amplifier - Interphone (GFP)	1	Z,Y
-4	MT677/AIC								Mounting (GFP)	1	Z,Y
-5	T67/ARC3								Transmitter (GFP)	1	Z,Y
-6	MT238/ARC3								Mounting (GFP)	1	Z,Y
	CRIA/AR								Crystal Unit (7550 K.C.) (GFP)	1	Z,Y
	CRIA/AR								Crystal Unit (7010 K.C.) (GFP)	1	Z,Y
	CRIA/AR								Crystal Unit (6750 K.C.) (GFP)	1	Z,Y
	CRIA/AR								Crystal Unit (7660 K.C.) (GFP)	1	Z,Y
	CRIA/AR								Crystal Unit (7450 K.C.) (GFP)	1	Z,Y
	CRIA/AR								Crystal Unit (7600 K.C.) (GFP)	1	Z,Y
-7	AN3106A14S28								Plug - Electrical connector straight	2	Z,Y
	AN3057-6								Adapter - Electrical accessory to cable	2	Z,Y
-8	R77A/ARC3								Receiver (GFP)	1	Z,Y
	168-71082								Shelf Assy - Radio and transmitter	1	Z,Y
	CRIA/AR								Crystal Unit (8200 K.C.) (GFP)	1	Z,Y
	CRIA/AR								Crystal Unit (8155 K.C.) (GFP)	1	Z,Y
	CRIA/AR								Crystal Unit (8392.00 K.C.) (GFP)	1	Z,Y
	CRIA/AR								Crystal Unit (8423.08 K.C.) (GFP)	1	Z,Y
	CRIA/AR								Crystal Unit (8320.00 K.C.) (GFP)	1	Z,Y
	CRIA/AR								Crystal Unit (8140.00 K.C.) (GFP)	1	Z,Y
-9	MT237A/ARC3								Mounting (GFP)	1	Z,Y
-10	PL153								Plug	1	Z,Y
-11	J68/ARC3								Junction Box - Power (GFP)	1	Z,Y
-12	DY21/ARC3								Dynamotor (GFP)	1	Z,Y
-13	DY22/ARC3								Dynamotor (GFP)	1	Z,Y
-14	MT236/ARC3								Mounting (GFP)	1	Z,Y
-15	PL153A								Plug	1	Z,Y
-16	PL148A								Plug	1	Z,Y
-17	U15/U								Plug	1	Z,Y
-18	U16/U								Plug	1	Z,Y
-19	159-71055								Holder - Radio frequency instrument cord	2	Z,Y
	159-71054								Guard - Radio frequency instrument cord	2	Z,Y
	153-71172								Cord - Frequency channel designation	2	Z,Y
	168-71078								Box Assembly - Radio junction box	1	Z,Y
-20	168-71079								Shield Assembly - Radio junction box	1	Z,Y
-21	168-71080								Cover Assembly - Radio junction box	1	Z,Y
-22	AM142/AIC								Amplifier - Mixer (GFP)	2	Z,Y
-23	MT556/AIC								Mount (GFP)	2	Z,Y
-24	F21/ARA9								Filter (GFP)	2	Z,Y
-25	M299								Adapter - Microphone (GFP)	1	Z,Y
-26	AN3102M20-278								Receptacle - Electrical connector box mounting	2	Z,Y
	AN3303-1								Relay - 3 Amp 4 PDT connector mounting sealed	2	Z,Y
-27	AN3436-2-16								Terminal Block Assembly - Electrical	2	Z,Y
-28	AN3436-2-7								Terminal Block Assembly - Electrical	2	Z,Y
-29	AN961-6								Washer - Plain for electrical use	14	Z,Y
-30	AN936A6B								Washer - Tooth lock	14	Z,Y
-31	AN341-6								Nut - Hexagon for electrical use	14	Z,Y
-32	PL108								Plug (GFP)	2	Z,Y
	AN3054-6								Nut - Coupling	2	Z,Y
-33	AN3023-8								Switch - Toggle double pole three hole mounting (AN3023-7 may be used)	2	Z,Y
-34	168-71067								Decal - Radio interphone switch	2	Z,Y
-35	AN104B								Antenna Mast (GFP)	1	Z,Y
-36	M359A								Adapter (GFP)	1	Z,Y
-37	109-71025								Seal - AN104B Antenna mast	1	Z,Y
-38	168-71033-3								Support - VHF Antenna mast	2	Z,Y
-39	168-71033-5								Support - VHF Antenna mast	2	Z,Y
-40	AN4-47A								Bolt - Aircraft 1/4-28	4	Z,Y
-41	AN365-428								Nut - Self locking 250°P	4	Z,Y
-42	No Number								Front and Rear Cockpit RH Radio Console Panels (see Figure 44C for detail breakdown)	NP	Z,Y

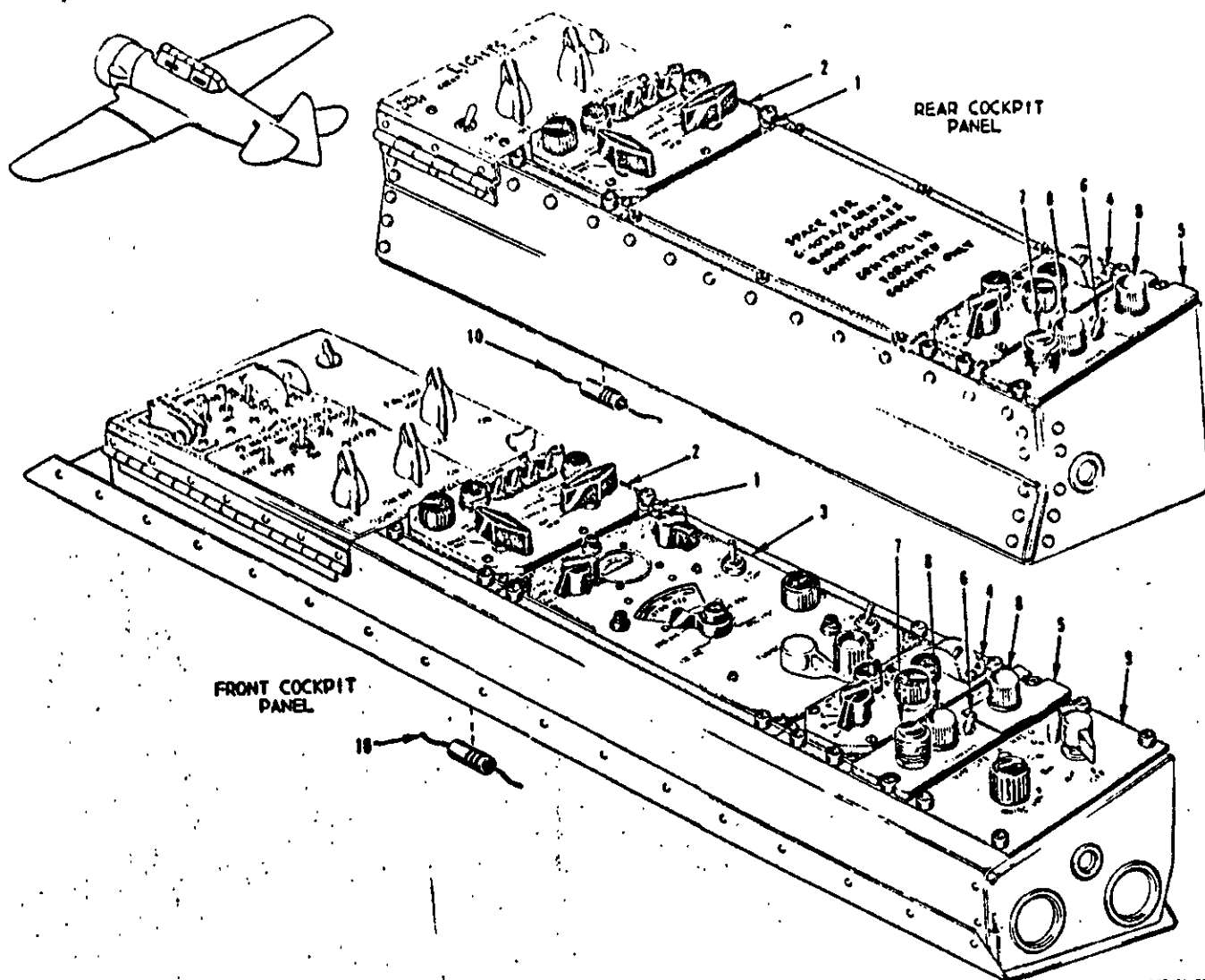


100-71-700

FIGURE 44B - FUSELAGE STATION 106.5 TO 214.19 RADIO EQUIPMENT

FIGURE A PART NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)											
FUSELAGE STATION 106.5 TO 242.19 RADIO EQUIPMENT											
44B	No Number	Fuselage Station 106.5 to 242.19 Radio Equipment (see figure 44A for next assembly)									
-1	CS80C	.	.	.	.	.	.	.	Case - Transmitter receiver (GFP)	NP	Z.Y
	DC11A	.	.	.	.	.	.	.	Crystal Unit (7810 K.C.) (GFP)	1	Z.Y
	DC11A	.	.	.	.	.	.	.	Crystal Unit (7010 K.C.) (GFP)	1	Z.Y
	DC11A	.	.	.	.	.	.	.	Crystal Unit (7660 K.C.) (GFP)	1	Z.Y
	DC11A	.	.	.	.	.	.	.	Crystal Unit (6750 K.C.) (GFP)	1	Z.Y
	DC11A	.	.	.	.	.	.	.	Crystal Unit (8036.25 K.C.) (GFP)	1	Z.Y
	DC11A	.	.	.	.	.	.	.	Crystal Unit (8155.71 K.C.) (GFP)	1	Z.Y
	DC11A	.	.	.	.	.	.	.	Crystal Unit (8392 K.C.) (GFP)	1	Z.Y
	DC11A	.	.	.	.	.	.	.	Crystal Unit (8423.08 K.C.) (GFP)	1	Z.Y
-2	BC625AM	.	.	.	.	.	.	.	Transmitter (GFP)	1	Z.Y
-3	RC624C	.	.	.	.	.	.	.	Receiver (GFP) (BC624AM may be substituted) (GFP)	1	Z.Y
-4	PT244A	.	.	.	.	.	.	.	Rack (GFP)	1	Z.Y
-5	PT488	.	.	.	.	.	.	.	Mount (GFP)	1	Z.Y
-6	PLQ169	.	.	.	.	.	.	.	Plug (GFP)	1	Z.Y
-7	PLQ170	.	.	.	.	.	.	.	Plug (GFP)	1	Z.Y
-8	M359A	.	.	.	.	.	.	.	Adapter (GFP)	1	Z.Y
-9	PL271	.	.	.	.	.	.	.	Plug (GFP)	1	Z.Y
-10	R101A/ARN6	.	.	.	.	.	.	.	Radio Compass (GFP)	1	Z.Y
-11	MT273B/ARN6	.	.	.	.	.	.	.	Mounting (GFP)	1	Z.Y
-12	AN104B	.	.	.	.	.	.	.	Antenna Mast (GFP)	1	Z.Y
-13	M359A	.	.	.	.	.	.	.	Adapter (GFP)	1	Z.Y
-14	109-71025	.	.	.	.	.	.	.	Seal - AN104B Antenna mast	1	Z.Y
-15	168-71033-3	.	.	.	.	.	.	.	Support - VHF Antenna mast	2	Z.Y
-16	168-71033-7	.	.	.	.	.	.	.	Support - VHF Antenna mast	2	Z.Y
-17	168-71087	.	.	.	.	.	.	.	Bolt - Radio antenna support	4	Z.Y
-18	AN365-428	.	.	.	.	.	.	.	Nut - Self locking 250°F	4	Z.Y
-19	168-71402	.	.	.	.	.	.	.	Housing (GFP)	1	Z.Y
-20	AS313A/ARN6	.	.	.	.	.	.	.	Antenna - Loop (GFP) (AS313B/ARN6 (GFP) may be substituted)	1	Z.Y
-21	88-71271-7	.	.	.	.	.	.	.	Cable Assembly - Marker beacons receiving equipment	1	Z.Y
-22	PL219	.	.	.	.	.	.	.	Plug (GFP)	1	Z.Y
-23	MC277	.	.	.	.	.	.	.	Coupling (GFP)	1	Z.Y
-24	TM201	.	.	.	.	.	.	.	Terminal (GFP)	1	Z.Y
-25	RG8/U	.	.	.	.	.	.	.	Cable (GFP)	72 in.	Z.Y
-26	168-71055	.	.	.	.	.	.	.	Mast - Marker beacon antenna	2	Z.Y
-27	AN392-7	.	.	.	.	.	.	.	Pin - Clevis 1/8	1	Z.Y
-28	AN115-32	.	.	.	.	.	.	.	Shackle - Cable	1	Z.Y
-29	147-54746	.	.	.	.	.	.	.	Spring - Antenna	1	Z.Y
-30	AN392-9	.	.	.	.	.	.	.	Pin - Clevis 1/8	1	Z.Y
-31	82-71719-5	.	.	.	.	.	.	.	Antenna Assembly - Marker beacon receiving	1	Z.Y
-32	IN88	.	.	.	.	.	.	.	Insulator (GFP)	2	Z.Y
-33	M275	.	.	.	.	.	.	.	Nut - Lead-in (GFP)	1	Z.Y
-34	W106A	.	.	.	.	.	.	.	Wire - Antenna (GFP)	10 ft.	Z.Y
-35	216-2	.	.	.	.	.	.	.	Lug - Insulator attaching (NA)	4	Z.Y
-36	AN392-19	.	.	.	.	.	.	.	Pin - Clevis 1/8	2	Z.Y
-37	W106A	.	.	.	.	.	.	.	Wire - Antenna (Copper Mold Steel Co.)	12 ft.	Z.Y
-38	168-71031	.	.	.	.	.	.	.	Link - Antenna insulator to vertical stabilizer attaching	2	Z.Y
-39	168-71077	.	.	.	.	.	.	.	Spring Assy - Radio antenna attaching	1	Z.Y
-40	IN88	.	.	.	.	.	.	.	Insulator (GFP)	1	Z.Y

## Group Assembly Parts List



168-71-758A

FIGURE 44C - FRONT AND REAR COCKPIT RADIO CONSOLE PANEL ASSEMBLIES

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	USEABLE ON CODE
FUSELAGE (Cont)											
FRONT AND REAR COCKPIT RADIO CONSOLE PANEL ASSEMBLIES											
44C	No Number	Front and Rear Cockpit Radio Console Panels RH (see figure 44A for next assembly)									NP Z,Y
-1	AN515-6R7	Screw - Machine round head coarse thread.									24 Z,Y
	AN362-632	Nut - Plate self locking non-countersunk 550°P.									24 Z,Y
-2	G695/AIC	Panel - Interphone control (OFF).									2 Z,Y
	159-71090	Adapter Assembly - Radio interphone control panel									2 Z,Y
	PF3 1-2 -38	Fastener (DZ).									2 Z,Y
	PS3 1-2	Spring (DZ).									2 Z,Y
	PC3 1-2	Cup (DZ).									2 Z,Y
-3	C403A/A	Panel - Control (OFF) front cockpit only.									
	168-71090	Plate Assy - Radio compass console control close out (aft cockpit only)									1 Z,Y
	157-71041	Adapter Assy - AN/ARN6 Radio compass control panel.									4 Z,Y
	PF3 1-2 -38	Fastener (DZ).									3 Z,Y
	PS3 1-2	Spring (DZ).									3 Z,Y
	PC3 1-2	Cup (DZ).									3 Z,Y
-4	C404A/A	Panel - VHF Command control. (OFF)									2 Z,Y
	157-71042	Adapter Assy - AN/ARC3 Radio control panel.									2 Z,Y
	PF3 1-2 -38	Fastener (DZ).									2 Z,Y
	PS3 1-2	Spring (DZ).									2 Z,Y
	PC3 1-2	Cup (DZ).									2 Z,Y
-5	171-71028-11	Panel Assy - Transfer control edge-lighted radio.									2 Z,Y
-6	AN3021-3	Switch - Toggle single pole one hole mounting.									2 Z,Y
-7	AN3121-313	Lamp - T3 1/4 Bulk single contact miniature bayonet base.									2 Z,Y
-8	AN3502-2A	Light Assy - Control panel plastic lighting plate.									2 Z,Y
	GE327	Bulb (GE).									
-9	168-71077	Panel Assy - Radio VHF console complete (fwd cockpit only) (see figure 44A for detail breakdown)									1 Z,Y
-10	CP29A10P103M	Capacitor (SPR)									2 Z,Y

## Group Assembly Parts List

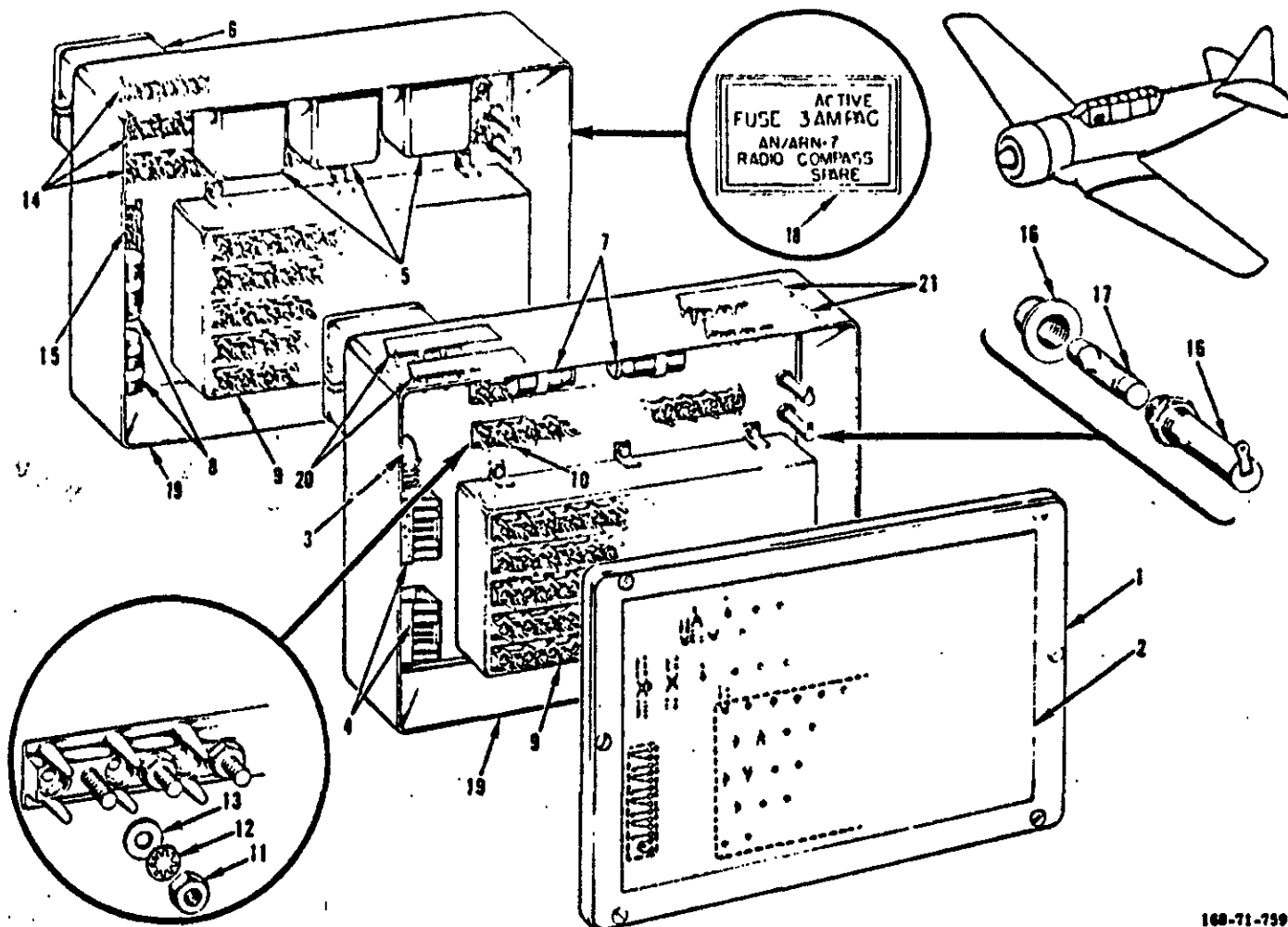


FIGURE 44D - RADIO JUNCTION BOX ASSEMBLY

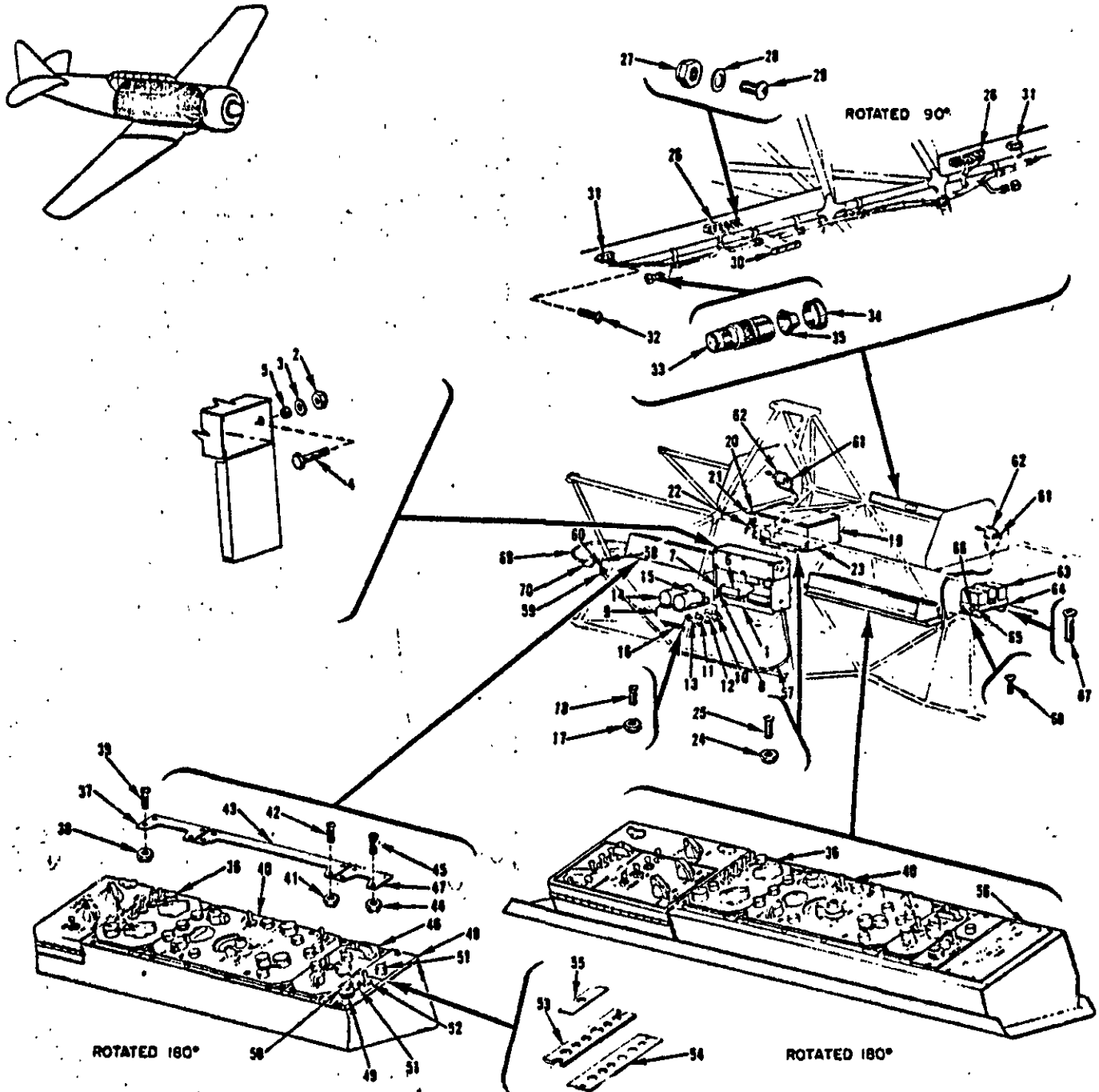
168-71-739

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)											
RADIO JUNCTION BOX ASSEMBLY											
44D	168-71021								Box Assy - Radio junction (see fig. 44 for next assembly)	NP	A1-B55, *1
	168-71021-10								Box Assy - Radio junction (see fig. 44 for next assembly)	NP	A86-B55, *1
	168-71021-20								Box Assy - Radio junction (see fig. 44 for next assembly)	NP	B56-J57, *1
-1	168-71024								Cover Assembly - Radio junction box	1	A1-B55
	168-71024-10								Cover Assembly - Radio junction box	1	A86-B55
	168-71024-20								Cover Assembly - Radio junction box	1	B56-J57
-2	168-71025								Chart - Radio junction box	1	A1-B55
	168-71034								Chart - Radio junction box	1	A86-B55
	168-71043								Chart - Radio junction box	1	B56-J57
-3	A8116-1								Relay (ADE) (2 req 237EAU may be substituted) (LR)	1	A1-B55
	A8116-1								Relay (ASE) (2 req 237EAU may be substituted) (LR)	1	A86-B55
-4	1029A7SW								Relay (SD)	2	A86-B55
-5	182ADX57								Relay (SD)	3	B56-J57
-6	M299-( )								Adapter - Microphone (H43B14392) (GFP)	1	A
-7	3DBK1250								Capacitor - Electrolytic (signal corps) (AD3606) (GFP)	2	A1-B50
-8	3DBK1250								Capacitor - Electrolytic (signal corps) (AD3606) (GFP)	2	B51-J57
-9	BK22E								Relay (AD3572) (GFP)	1	A
-10	NAS45-6-14								Panel Assembly - Electrical connector	3	A1-B55
-11	AN340-6								Nut - Light hexagon coarse thread	42	A1-B55
-12	AN936A6								Washer - Tooth lock	42	A1-B55
-13	AN960-6								Washer - Plain	42	A1-B55
-14	NAS45-6-20								Panel Assembly - Electrical connector	3	B56-J57
-15	NAS45-6-10								Panel Assembly - Electrical connector	1	B56-J57
	AN340-6								Nut - Light hexagon coarse thread	70	B56-J57
	AN936A6								Washer - Tooth lock	70	B56-J57
	AN960-6								Washer - Plain	70	B56-J57
-16	342001								Mount - Fuse holder (LTF)	2	A
-17	3A0								Fuse (LTF)	2	A
-18	168-71022								Decal - Radio junction box fuse identification	1	A
-19	168-71023								Shield Assembly - Radio junction box	1	A1-B55
	168-71023-10								Shield Assembly - Radio junction box	1	A86-B55
	168-71026								Shield Assembly - Radio junction box	1	B56-J57
-20	NAS45-6-6								Panel Assembly - Electrical connector	1	A86-B55
-21	NAS45-6-7								Panel Assembly - Electrical connector	1	A86-B55
*1 Not used on modified airplanes coded Y.											



Section II  
Group Assembly Parts List

AN 01-60PFA-4



16-100-70-2A

FIGURE 44E - COMPLETE FUSELAGE RADIO EQUIPMENT

Revised 1 May 1952

GROUP & PART NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY	APPLICATION CODE
FUSELAGE (Cont)											
COMPLETE FUSELAGE RADIO EQUIPMENT											
13K	182-71001								Radio Equipment Installation - Fuselage complete (see figure 1 for next assembly) . . . . .	NP	K,V,*1
	197-71001								Radio Equipment Installation - Fuselage complete (see figure 1 for next assembly) . . . . .	NP	W,*1
	No Number								Fuselage Radio Equipment - Fuselage station 106 1/2 to station 158 1/4 (see fig. 44P for detail breakdown) . . . . .	NP	K-,*1
-1	168-71078-10								Box Assembly - Radio junction box (see figure 46C for detail breakdown) . . . . .	1	K-,*1
-2	AN365-1032								Nut - Self locking 250° F . . . . .	4	K-,*1
-3	AN960D10								Washer - Plain . . . . .	4	K-,*1
-4	AN3-10A								Bolt - Aircraft 10-32 . . . . .	4	K-,*1
-5	NA343DD3-28								Spacer - Screw and bolt . . . . .	4	K-,*1
-6	AM142/A1C								Mixer Amplifier (GFP) . . . . .	2	K-,*1
-7	AN3057-6A								Adapter - Electric accessory to cable . . . . .	2	K-,*1
	AN3420-6								Bushing - Cable clamp telescoping . . . . .	2	K-,*1
-8	AN3108B14S2S								Plug - Electrical connector angle 90° . . . . .	2	K-,*1
-9	J68/ARC3								Power Junction Box - (GFP) . . . . .	1	K-,*1
-10	PL153A								Plug - Power junction box (GFP) . . . . .	1	K-,*1
-11	U15/U								Plug - Power junction box (CED) . . . . .	1	K-,*1
-12	U16/U								Plug - Power junction box (CED) . . . . .	1	K-,*1
-13	PL148A								Plug - Power junction box (BFE) . . . . .	1	K-,*1
	144-54071-10								Cover Assy - Electrical connector plug . . . . .	4	K-,*1
-14	DY21/ARC3								Dynamotor Unit - Power junction box (GFP) . . . . .	1	K-,*1
-15	DY22/ARC3								Dynamotor Unit - Power junction box (GFP) . . . . .	1	K-,*1
-16	MT236A/ARC3								Mounting Base - Power junction box (GFP) . . . . .	1	K-,*1
-17	AN365-1032								Nut - Self locking 250° F . . . . .	4	K-,*1
-18	AN520-10R8								Screw - Machine round head fine thread . . . . .	4	K-,*1
-19	R77A/ARC3								Receiver - VHF (GFP) . . . . .	1	K-,*1
	CR1A/AR								Crystal - A band 8200 KC . . . . .	1	K-,*1
	CR1A/AR								Crystal - B band 8155.71 KC . . . . .	1	K-,*1
	CR1A/AR								Crystal - C band 8392 KC . . . . .	1	K-,*1
	CR1A/AR								Crystal - D band 8423.08 KC . . . . .	1	K-,*1
	CR1A/AR								Crystal - G band 8320 KC . . . . .	1	K-,*1
	CR1A/AR								Crystal - H band 8140 KC . . . . .	1	K-,*1
-20	PL259A								Plug - Receiver (AMP) . . . . .	1	K-,*1
-21	M359A								Adapter - Receiver (AMP) . . . . .	1	K-,*1
-22	PL153A								Plug - Receiver . . . . .	1	K-,*1
-23	MT237B/ARC3								Mounting Base (GFP) (may be substituted by MT237A/ARC3) . . . . .	1	K-,*1
-24	AN365-1032								Nut - Self locking 250° F . . . . .	8	K-,*1
-25	AN520-10R8								Screw - Machine round head fine thread . . . . .	8	K-,*1
-26	AN3436-2-7								Terminal Block Assembly - Electrical . . . . .	2	K-,*1
-27	AN365-440								Nut - Self locking 250° F . . . . .	4	K-,*1
-28	AN960D4L								Washer - Plain . . . . .	4	K-,*1
-29	AN515-4R6								Screw - Machine round head coarse thread . . . . .	4	K-,*1
-30	AN3433-2-2								Bus - Terminal block . . . . .	2	K-,*1
-31	AN3023-8								Switch - Toggle double pole three hole mounting . . . . .	2	K-,*1
-32	AN515-6R7								Screw - Machine round head coarse thread . . . . .	4	K-,*1
-33	PL108								Plug - (Bendix Radio, Baltimore, Maryland) . . . . .	2	K-,*1
-34	AN3054-6								Nut - Conduit coupling . . . . .	2	K-,*1
-35	AF28								Ferrule (female portion only) (SIE) . . . . .	2	K-,*1
-36	C695/A1C								Control Panel - Interphone (GFP) . . . . .	2	K-,*1
-37	159-71090								Adapter Assembly - Radio interphone control panel . . . . .	4	K-,*1
-38	AN365-832								Nut - Self locking 250° F . . . . .	8	K-,*1
-39	AN515-8R8								Screw - Machine round head coarse thread . . . . .	8	K-,*1
-40	C403A/A								Control Panel - Compass (GFP) . . . . .	2	K,V,*1
	168-71090								Plate - Radio compass console control closeout . . . . .	1	W,*1
-41	AN365-832								Nut - Self locking 250° F . . . . .	8	K,V,*1
-42	AN515-8R10								Screw - Machine round head coarse thread . . . . .	8	K,V,*1
-43	157-71041								Adapter Assembly - AN/ARN6 radio compass control panel . . . . .	2	K-,*1
-44	AN365-832								Nut - Self locking 250° F . . . . .	8	K-,*1
-45	AN515-8R8								Screw - Machine round head coarse thread . . . . .	8	K-,*1
-46	C404A/A								Control Panel - VHF (GFP) . . . . .	2	K-,*1
-47	157-71042								Adapter Assembly - AN/ARC3 radio control panel . . . . .	4	K-,*1
-48	171-71028-11								Panel Assembly - Transfer control edge lighted radio . . . . .	2	K-,*1
-49	AN3157-3								Light Assembly - Press to test indicator . . . . .	1	K-,*1
-50	AN3121-313								Lamp - T-3 1/4 bulb single contact miniature bayonet base . . . . .	1	K-,*1
-51	AN3502-2A								Light Assembly - Control panel plastic lighting plate . . . . .	2	K-,*1
	GE327								Bulb - Light assembly (GE) . . . . .	2	K-,*1
-52	AN3021-3								Switch - Toggle single pole one hole mounting . . . . .	1	K-,*1
-53	171-71027								Plate - Radio transfer control plastic lighting . . . . .	1	K-,*1
-54	171-71026								Plate Assembly - Radio transfer control . . . . .	1	K-,*1
-55	171-71029-3								Cover - Radio transfer control edge lighted panel . . . . .	1	K-,*1
-56	182-71029								Panel Assembly - Radio control (C790/ARA26) . . . . .	1	K-,*1
	CP29A1DF103M								Capacitor - Console assembly . . . . .	2	K-,*1
-57	LA1564-(76)								Tuning Shaft - (ARN-6) forward cockpit console (SWTM) . . . . .	1	K-,*1
-58	LA1564-(23 1/2)								Tuning Shaft - (ARN-6) rear cockpit console (SWTM) . . . . .	1	K-,*1
-59	MC203								Tee Coupling - Tuning shaft (GFP) . . . . .	1	K,V,*1
-60	Q901-16								Clamp (CTA) . . . . .	1	K,V,*1
	AN365-1032								Nut - Self locking 250° F . . . . .	1	K,V,*1
	AN3-14A								Bolt - Aircraft . . . . .	1	K,V,*1
-61	AN3106A14S2S								Plug - Indicator . . . . .	2	K,V,*1
	PL118								Plug . . . . .	1	W,*1
-62	AN3057-6A								Adapter - Electrical accessory to cable . . . . .	2	K-,*1

## Group Assembly Parts List

AN 01-60PFA-4

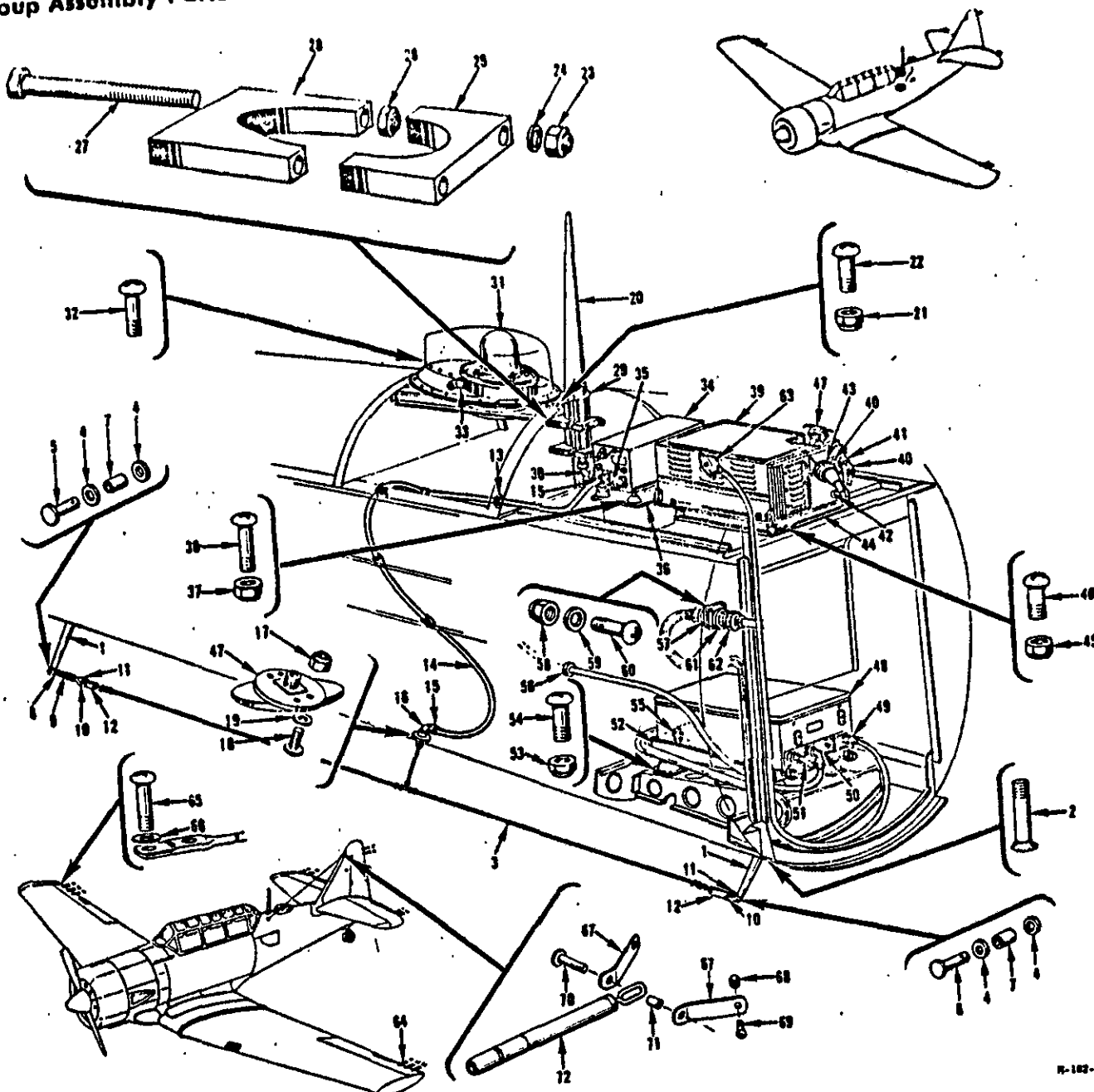
FIGURE 5 WAVE NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)											
COMPLETE FUSELAGE RADIO EQUIPMENT											
44E-63	AM300/A1C	.	.	.	.	.	.	.	Interphone Amplifier - (GFP) . . . . .	1	K1-Q13, S12-,*1
	AM26/A1C	.	.	.	.	.	.	.	Interphone Amplifier - (GFP) . . . . .	1	Q14-S11
-64	MT677/A1C	.	.	.	.	.	.	.	Mounting Base - interphone amplifier (GFP) . . . . .	1	K1-Q13, S12-,*1
	AN365-632	.	.	.	.	.	.	.	Nut - Self locking 250° F . . . . .	16	K1-Q13, S12-,*1
	AN960D6L	.	.	.	.	.	.	.	Washer - Plain . . . . .	16	K1-Q13, S12-,*1
	MT28/ARNS	.	.	.	.	.	.	.	Mounting Base (GFP) . . . . .	1	Q14-S11
	182-71041	.	.	.	.	.	.	.	Mounting Adapter - AM26/A1C interphone amplifier . . . . .	1	Q14-S11
-65	AN3108A16S13	.	.	.	.	.	.	.	Plug - Electrical connector angle 90° . . . . .	1	K1-Q13, S12-,*1
-66	AN3057-8A	.	.	.	.	.	.	.	Adapter - Electrical accessory to cable . . . . .	1	K1-Q13, S12-,*1
	PL152A	.	.	.	.	.	.	.	Plug . . . . .	1	Q14-S11
-67	AN515-6R8	.	.	.	.	.	.	.	Screw - Machine round head coarse thread . . . . .	8	K-,*1
-68	AN515-6R10	.	.	.	.	.	.	.	Screw - Machine round head coarse thread . . . . .	8	K-,*1
-69	WP-F/U	.	.	.	.	.	.	.	Cord . . . . .	2	K-,*1
-70	U61/U	.	.	.	.	.	.	.	Plug . . . . .	2	K-,*1

\*1 Reworked Per T. O. No. 01-60PFA-47

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Section 11  
Group Assembly Parts List

AN 01-COPFA-4



R-102-71-1A

FIGURE 44F - RADIO EQUIPMENT FUSELAGE STATION 106 1/2 TO STATION 158 1/2

FIGURE & PHOTO NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)											
FUSELAGE STATION 106 1/2 TO STATION 158 1/4 FUSELAGE RADIO EQUIPMENT											
44F	No Number								Fuselage Radio Equipment - Fuselage station 106 1/2 to station 158 1/4 (see figure 44E for next assembly)	NP	K-,*1
-1	168-71055								Mast - Market beacon antenna	2	K-,*1
-2	NAS221-11								ATTACHING PARTS Screw - Brazier head Phillips recess alloy steel 10-32	8	K-,*1
-3	82-71719-5								Antenna Assembly - Market beacon receiving	1	K-,*1
-4	AN960D4L								ATTACHING PARTS Washer - Plain	4	K-,*1
-5	AN392-7								Pin - Flat head 1/8	1	K-,*1
-6	AN392-17								Pin - Flat head 1/8	2	K-,*1
-7	NAS42DD4-8								Spacer - Rivet	1	K-,*1
-8	AN115-32								Shackle - Cable	1	K-,*1
-9	147-54746								Spring - Electric circuit breaker reset control	1	K-,*1
-10	AN392-19								Pin - Flat head 1/8	2	K-,*1
-11	2L6-2								Thimble - (NA)	1	K-,*1
-12	182-71036								Adapter - Antenna mounting	1	K-,*1

Revised 14 May 1974

## Group Assembly Parts List

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)											
FUSELAGE, STATION 103 1/2 TO STATION 158 1/4 FUSELAGE RADIO EQUIPMENT (Cont)											
44P-13	AN931-14326	.	.	.	.	.	.	.	Grommet - Elastic	1	K-,*1
	182-71271	.	.	.	.	.	.	.	Cable Assembly - Marker beacon receiving equipment	1	K-,*1
-14	RG31U	.	.	.	.	.	.	.	Cable - (AMP)	77 in.	K-,*1
-15	PL259A	.	.	.	.	.	.	.	Plug - (AMP)	2	K-,*1
-16	M359A	.	.	.	.	.	.	.	Adapter - (AMP)	1	K-,*1
-17	AN365-632	.	.	.	.	.	.	.	Nut - Self locking 250° F coarse thread	4	K-,*1
-18	AN515-6R14	.	.	.	.	.	.	.	Screw - Round head	4	K-,*1
-19	AN960D6L	.	.	.	.	.	.	.	Washer - Plain	4	K-,*1
-20	AN104B	.	.	.	.	.	.	.	Antenna - VHF	1	K-,*1
-21	AN365-632	.	.	.	.	.	.	.	Nut - Self locking 250° F	6	K-,*1
-22	AN515-6R8	.	.	.	.	.	.	.	Screw - Round head coarse thread	6	K-,*1
-23	AN365-428	.	.	.	.	.	.	.	Nut - Self locking 250° F	4	K-,*1
-24	AN960C416L	.	.	.	.	.	.	.	Washer - Plain	4	K-,*1
-25	168-71033-7	.	.	.	.	.	.	.	Support - VHF antenna mast	2	K-,*1
-26	AN364-428	.	.	.	.	.	.	.	Nut - Self locking thin 250° F	4	K-,*1
-27	168-71087	.	.	.	.	.	.	.	Bolt - Radio antenna support	4	K-,*1
-28	168-71033-9	.	.	.	.	.	.	.	Support - VHF antenna mast	2	K-,*1
-29	109-81025	.	.	.	.	.	.	.	Grommet - AN104A antenna mast	1	K-,*1
-30	PL259A	.	.	.	.	.	.	.	Plug - Antenna (AMP)	1	K-,*1
	M359A	.	.	.	.	.	.	.	Adapter - Antenna (AMP)	1	K-,*1
-31	AS313A/ARN6	.	.	.	.	.	.	.	Compass Loop - (GFP)	1	K,V,*1
	LP21LM	.	.	.	.	.	.	.	Compass Loop	1	W-,*1
-32	AN520-10R10	.	.	.	.	.	.	.	Screw - Machine round head fine thread	14	K,V,*1
-33	AN3108A16S1S	.	.	.	.	.	.	.	Plug - Electrical connector angle 90°	1	K,V,*1
	AN3057-8A	.	.	.	.	.	.	.	Adapter - Electrical accessory to cable	1	K,V,*1
	AN3420-8	.	.	.	.	.	.	.	Bushing - Cable clamp telescoping	1	K,V,*1
-34	R122/ARN12	.	.	.	.	.	.	.	Receiver - Marker beacon (GFP)	1	K-,*1
-35	AN3106B18-9S	.	.	.	.	.	.	.	Plug - Electrical connector angle 90°	1	K-,*1
	AN3057-10A	.	.	.	.	.	.	.	Adapter - Electrical accessory to cable	1	K-,*1
	AN3420-10	.	.	.	.	.	.	.	Bushing - Cable clamp telescoping	1	K-,*1
-36	MT589/ARN12	.	.	.	.	.	.	.	Mounting Base - Marker beacon receiver (GFP)	1	K-,*1
-37	AN365-632	.	.	.	.	.	.	.	Nut - Self locking 250° F	8	K-,*1
-38	AN515-6R8	.	.	.	.	.	.	.	Screw - Machine round head fine thread	8	K-,*1
-39	T67/ARC3	.	.	.	.	.	.	.	Transmitter - VHF (GFP)	1	K-,*1
-40	PL259A	.	.	.	.	.	.	.	Plug - (AMP)	1	K-,*1
-41	M359A	.	.	.	.	.	.	.	Adapter - (AMP)	1	K-,*1
	CR1A/AR	.	.	.	.	.	.	.	Crystal - A band 7550 kc (GFP)	1	K-,*1
	CR1A/AR	.	.	.	.	.	.	.	Crystal - B band 7010 kc	1	K-,*1
	CR1A/AR	.	.	.	.	.	.	.	Crystal - C band 7660 kc	1	K-,*1
	CR1A/AR	.	.	.	.	.	.	.	Crystal - D band 6750 kc	1	K-,*1
	CR1A/AR	.	.	.	.	.	.	.	Crystal - G band 7600 kc	1	K-,*1
	CR1A/AR	.	.	.	.	.	.	.	Crystal - H band 7450 kc	1	K-,*1
-42	PL151A	.	.	.	.	.	.	.	Plug - (GFP)	1	K-,*1
-43	U15/U	.	.	.	.	.	.	.	Plug - (CED)	1	K-,*1
	144-54071-10	.	.	.	.	.	.	.	Cover Assembly - Electrical connector plug	1	K-,*1
-44	MT238/ARC3	.	.	.	.	.	.	.	Mounting Base - Transmitter (GFP)	1	K-,*1
-45	AN365-1032	.	.	.	.	.	.	.	Nut - Self locking 250° F	8	K-,*1
-46	AN520-10R8	.	.	.	.	.	.	.	Screw - Machine round head fine thread	8	K-,*1
-47	CU65/ARN6	.	.	.	.	.	.	.	Coupling Unit - (GFP)	2	K,V,*1
-48	R101A/ARN6	.	.	.	.	.	.	.	Receiver - Radio compass (GFP)	1	K,V,*1
	R5A/ARN7	.	.	.	.	.	.	.	Compass Receiver	1	W-,11
	FT213(A)	.	.	.	.	.	.	.	Mounting	1	W-,11
	PL122	.	.	.	.	.	.	.	Plug	1	W-,11
	118-1-1000	.	.	.	.	.	.	.	Coupling Nut	1	W-,*1
	LA1564-93	.	.	.	.	.	.	.	Tuning Shaft	1	W-,*1
	MC136	.	.	.	.	.	.	.	Coupling	1	W-,*1
-49	CQ405/ARN6	.	.	.	.	.	.	.	Sense Antenna Cord - (GFP)	1	K,V,*1
-50	CQ132/ARN6	.	.	.	.	.	.	.	Loop Cord - (GFP)	1	K,V,*1
-51	LAL564-(31 1/2)	.	.	.	.	.	.	.	Tuning Shaft Receiver - (ARN-6) (SWTH)	1	K,V,*1
-52	MT273B/ARN6	.	.	.	.	.	.	.	Mounting Base - Receiver (GFP)	1	K,V,*1
-53	AN365-832	.	.	.	.	.	.	.	Nut - Self locking 250° F	16	K,V,*1
-54	AN515-8R8	.	.	.	.	.	.	.	Screw - Machine round head coarse thread	16	K,V,*1
-55	AN931-10-14	.	.	.	.	.	.	.	Grommet - Elastic	3	K,V,*1
-56	AN931-10S20	.	.	.	.	.	.	.	Grommet - Elastic	1	K,V,*1
-57	AN3100A36-7P	.	.	.	.	.	.	.	Receptacle - Electrical connector wall mounting	1	K-,*1
-58	AN365-832	.	.	.	.	.	.	.	Nut - Self locking 250° F	4	K-,*1
-59	AN960D8L	.	.	.	.	.	.	.	Washer - Plain	4	K-,*1
-60	AN515-8R10	.	.	.	.	.	.	.	Screw - Machine round head coarse thread	4	K-,*1
-61	AN3106B36-7S	.	.	.	.	.	.	.	Plug - Electrical connector straight	1	K-,*1
-62	AN3057-24	.	.	.	.	.	.	.	Adapter - Electrical accessory to cable	2	K-,*1
-63	CU65/ARN6	.	.	.	.	.	.	.	Coupling Unit - (GFP)	1	K,V,*1
-64	AN-ASA3	.	.	.	.	.	.	.	Static Discharger - (Frederick Plader)	12	K-,*1
-65	AN515-6R10	.	.	.	.	.	.	.	Screw - Machine round head coarse thread	24	K-,*1
-66	AN961-6	.	.	.	.	.	.	.	Washer - Flat electrical	24	K-,*1
-67	168-71031	.	.	.	.	.	.	.	Link - Antenna insulator to vent. stabilizer attaching	2	K-,*1
-68	AN365-832	.	.	.	.	.	.	.	Nut - Self locking 250° F	2	K-,*1
-69	AN515-8R7	.	.	.	.	.	.	.	Screw - Machine round head coarse thread	2	K-,*1
-70	AN392-7	.	.	.	.	.	.	.	Pin - Flat head 1/8	1	K-,*1
-71	493-8-4	.	.	.	.	.	.	.	Spacer - Bolt (NA)	1	K-,*1
-72	IL5/U	.	.	.	.	.	.	.	Strain Insulator - (Dayton Aircraft)	1	K,V,*1
	IN-88	.	.	.	.	.	.	.	Insulator (Pacific Clay Products)	1	W-,*1

\*1 Reworked Per T. O. No. 01-60FFA-47

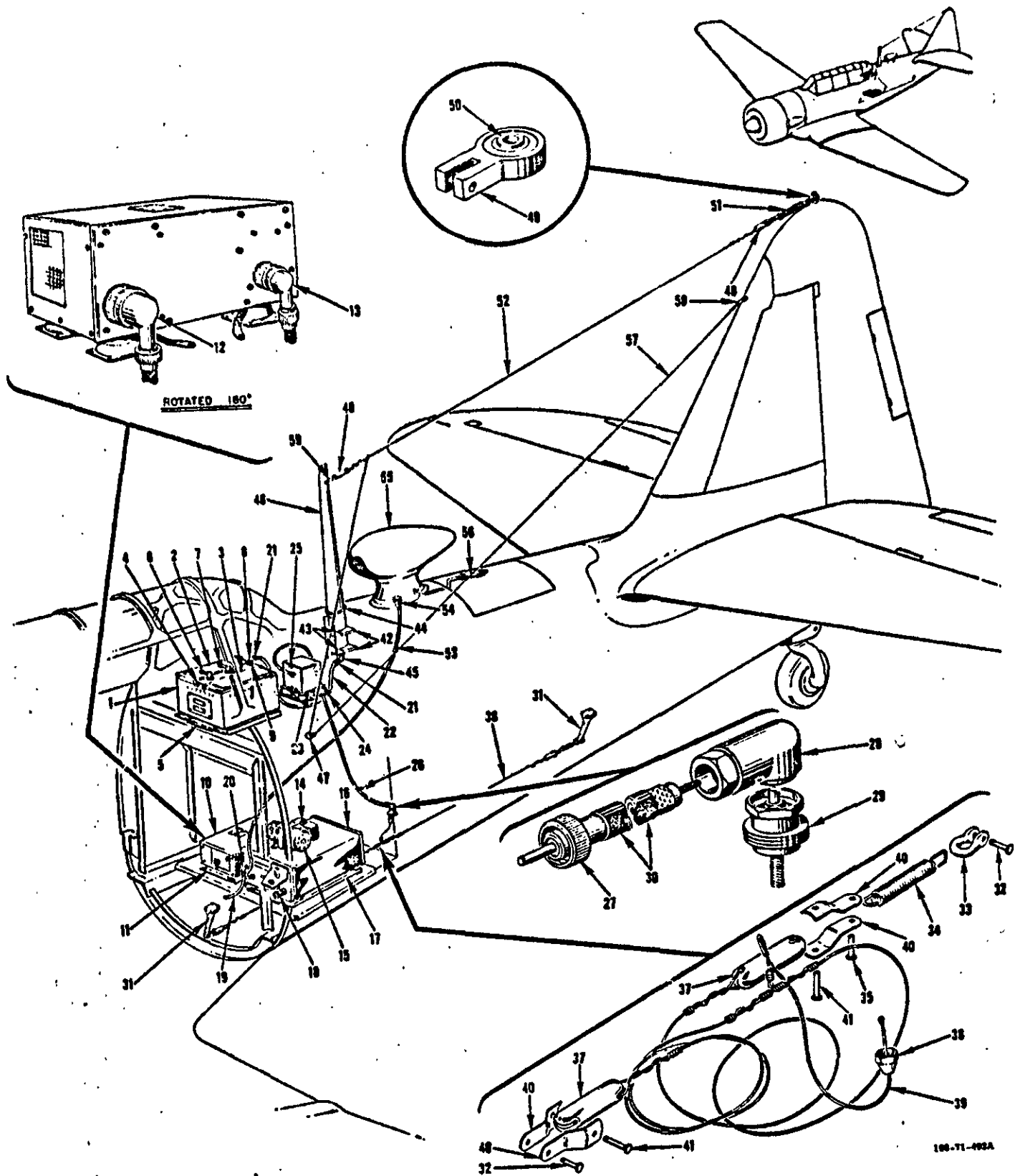


FIGURE 45 - PUCKLACK STATION 106.268 TO STATION 242.19 RADIO EQUIPMENT  
Revised 23 September 1955

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	USEABLE ON CODE
FUSELAGE (Cont)											
FUSELAGE STATION 106.268 TO STATION 242.19 RADIO EQUIPMENT											
45	No Number	Fuselage Station 106.268 to Station 242.19 Radio Equipment (see Figure 44 for next assembly).									NP A,*1
-1	CSHOC	Cone - Transmitter receiver (GFP)									1 A,*1
	DC11A	Crystal Unit (7550KC) (GFP)									1 A,*1
	DC11A	Crystal Unit (7010KC) (GFP)									1 A,*1
	DC11A	Crystal Unit (7660KC) (GFP)									1 A,*1
	DC11A	Crystal Unit (6750KC) (GFP)									1 A,*1
	DC11A	Crystal Unit (8200KC) (GFP)									1 A,*1
	DC11A	Crystal Unit (8155.71KC) (GFP)									1 A,*1
	DC11A	Crystal Unit (8392KC) (GFP)									1 A,*1
	DC11A	Crystal Unit (8423.08KC) (GFP)									1 A,*1
-2	BC625AM	Transmitter (GFP)									1 A,*1
-3	BC624C	Receiver (GFP)									1 A,*1
-4	FT244A	Rack (GFP)									1 A,*1
-5	FT488	Mount (GFP)									1 A,*1
-6	PL-Q169	Plug (GFP)									1 A,*1
-7	PL-Q170	Plug (GFP)									1 A,*1
-8	M359A	Adapter (GFP)									1 A,*1
-9	PL271	Adapter (GFP)									1 A,*1
-10	PE94C	Dynamotor Unit (GFP)									1 A,*1
-11	FT498	Mount (GFP)									1 A,*1
-12	PL-Q171	Plug (GFP)									1 A,*1
-13	PL-Q172	Plug (GFP)									1 A,*1
-14	AN3106-20-4S	Plug - Electrical connector straight.									1 A,*1
	AN3057-12	Adapter - Electrical accessory to cable									1 A,*1
-15	778-4B	Inverter (GFP)									1 A,*1
-16	R5A/ARN7	Receiver - Compass (GFP) (R5/ARN7 may be substituted)									1 A,*1
-17	FT213(A)	Mounting (GFP)									1 A,*1
-18	PL122	Plug (GFP)									1 A,*1
	118-1-1000	Nut - Coupling (BC)									1 A,*1
-19	LA1564-93	Shaft Assembly - Tuning (SWM)									1 A,*1
-20	MC136	Coupling (GFP)									1 A,*1
-21	PL259A	Plug - Safetying (GFP)									2 A,*1
-22	RGB/U	Cable - Co-axial.									36 in. A,*1
-23	168-71071	Receiver Assembly - BC1033B Radio									1 A1-F5,*1
	CAN15	Capacitor - Carnell Rublier (Kierulff and Co.)									1 A1-F5,*1
	168-71071-5	Receiver (made from BC1033B) (GFP)									1 A1-F5,*1
	168-71071-3	Receiver (made from BC1033B) (GFP)									1 A1-F5,*1
	BC1033B	Receiver (GFP)									1 P6-J57,*1
-24	FT161	Mount (GFP)									1 A,*1
-25	PL108	Plug (GFP)									1 A,*1
-26	88-71271-7	Cable Assembly - Marker beacon receiving equipment.									1 A,*1
-27	PL219	Plug (GFP)									1 A,*1
-28	MC277	Coupling (GFP)									1 A,*1
-29	TM201	Terminal (GFP)									1 A,*1
-30	RGB/U	Cable (AMP)									72 in. A,*1
-31	168-71055	Mast - Marker beacon antenna.									2 A,*1
-32	AN392-7	Pin - Clevis 1/8.									2 A,*1
-33	AN115-32	Shackle - Cable									1 A,*1
-34	147-54746	Spring - Antenna									1 A,*1
-35	AN392-9	Pin - Clevis 1/8.									1 A,*1
-36	82-71719-5	Antenna Assembly - Marker beacon receiving.									1 A,*1
-37	IN88	Insulator (GFP)									2 A,*1
-38	M275	Nut - Lead-in (GFP)									1 A,*1
-39	W106A	Wire - Antenna (GFP)									10 ft. A,*1
-40	2L6-2	Lug - Insulator attaching (NA)									4 A,*1
-41	AN392-19	Pin - Clevis 1/8.									2 A,*1
-42	168-71033-5	Support - VHF Antenna mast.									2 A,*1
-43	168-71033-3	Support - VHF Antenna mast.									2 A,*1
-44	109-71025	Grommet - AN104A Antenna mast									1 A,*1
-45	M359A	Adapter (GFP)									1 A,*1
-46	AN104B	Antenna Mast (GFP)									1 A,*1
-47	IN79	Insulator (Pacific Clay Products Co.)									1 A,*1
-48	IN88	Insulator (GFP)									2 A,*1
-49	88-71080	Link Assembly - Radio antenna rear.									1 A1-A85,*1
-50	AN200K3L	Bearing - Heavy duty ball.									1 A1-A85,*1
-51	68-71077	Spring Assembly - Radio antenna attaching									1 A,*1
-52	W106A	Wire - Antenna (Copperweld Steel Co.)									18 ft. A1-A85,*1
-53	CD365	Cordage (GFP)									1 A,*1
-54	PL112	Plug (GFP)									1 A,*1
	AN3054-10	Nut - Coupling.									1 A,*1
-55	LP21LM	Loop - Compass (GFP)									1 A,*1
-56	No Number	Dehydrator (GFP)									1 A,*1
-57	W106A	Wire - Antenna (Copperweld Steel Co.)									12 ft. A86-J57,*1
-58	168-71031	Link - Antenna insulator to vertical stabilizer attaching									2 A86-J57,*1
-59	168-71006	Link - VHF Radio antenna mast to insulator.									2 A1-A85,*1

\*1 Not used on modified airplanes coded Y, see fig. 44A.



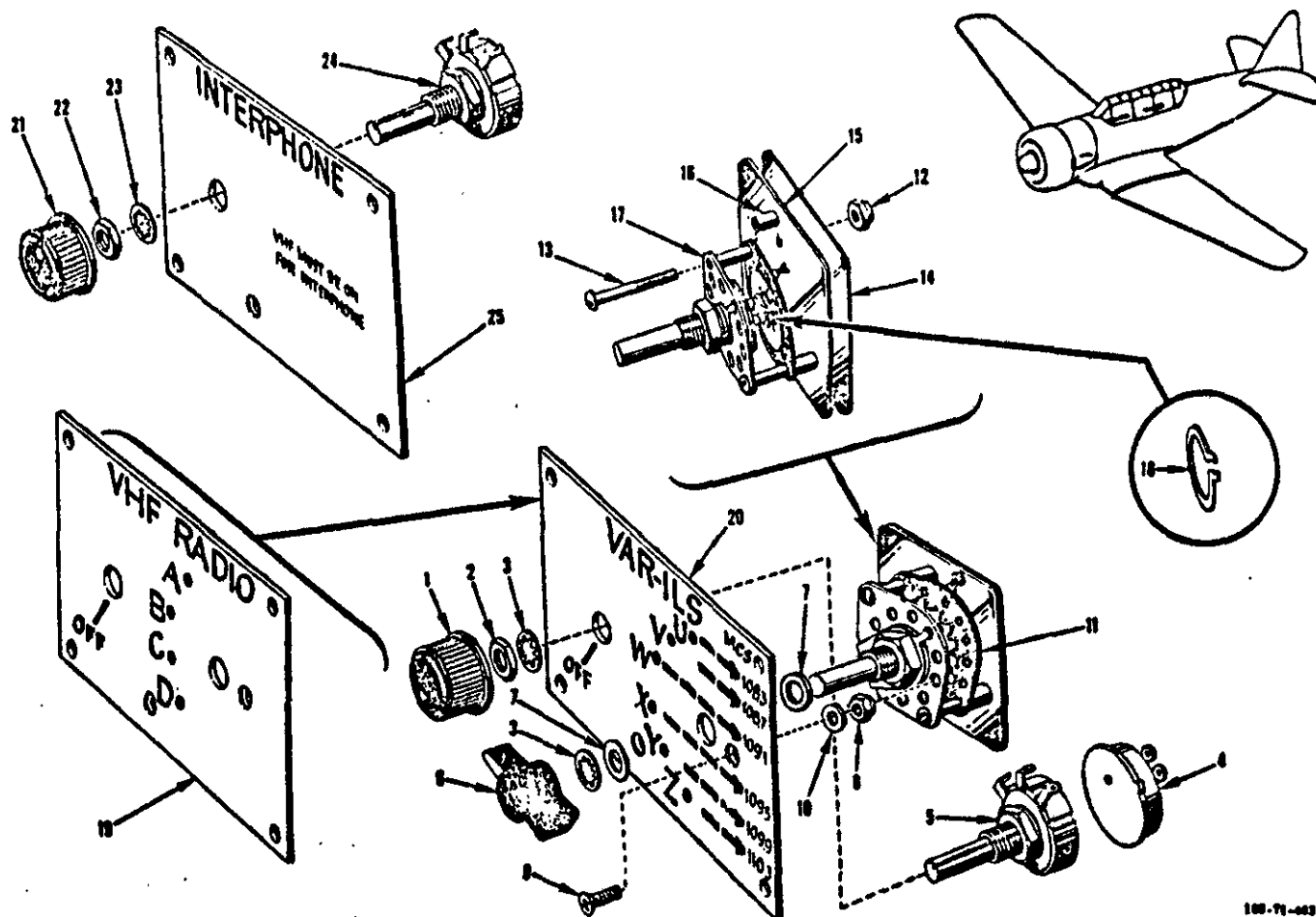
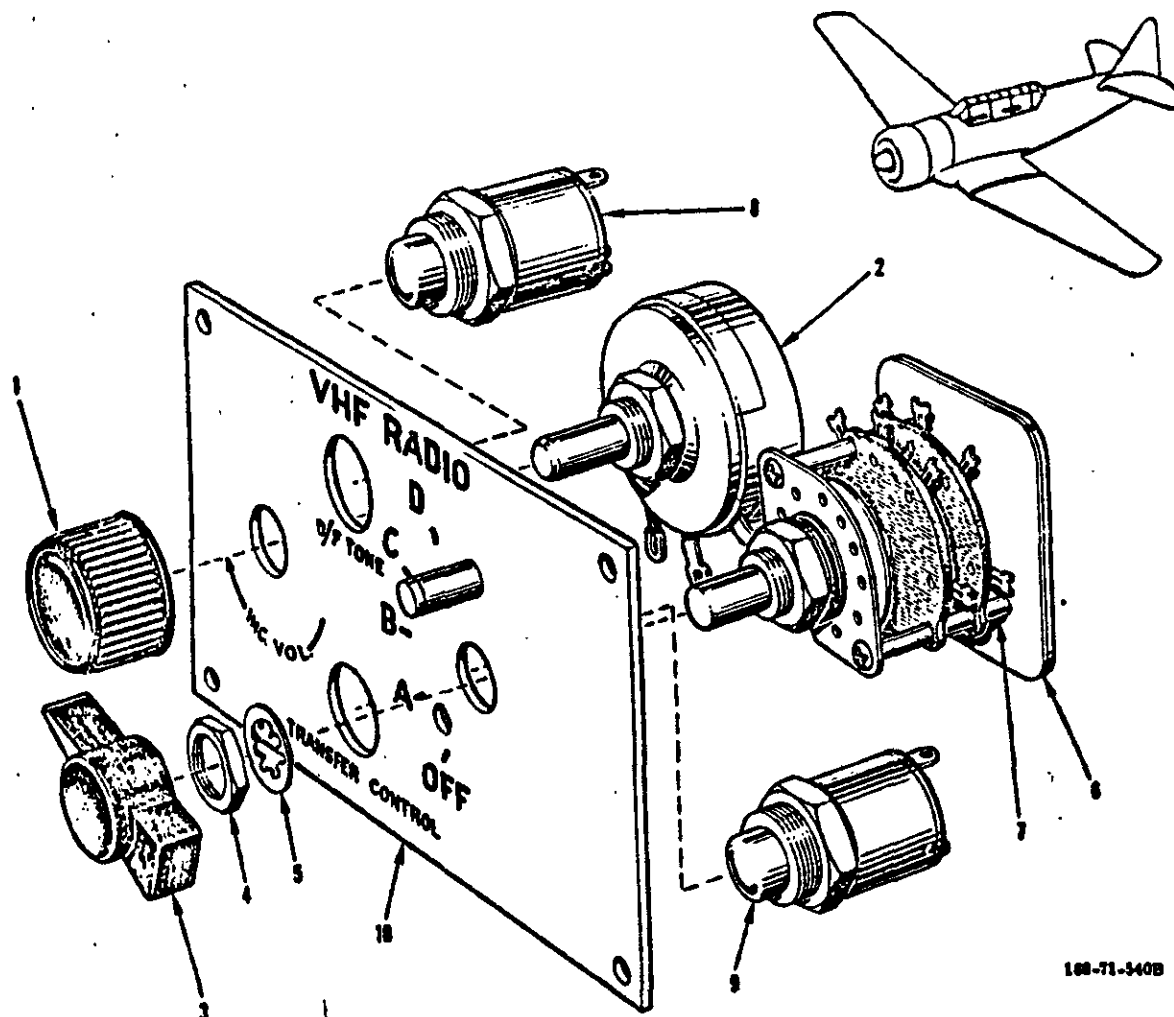


FIGURE 46 - RADIO CONSOLE PANELS

FIGURE & PART NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									FUSELAGE (Cont)		
									RADIO CONSOLE PANELS		
46	168-71012								Radio Console Panels		
	168-71016								Panel Assembly - Radio VHF console (see figure 44 for next assembly)	Ref	A1-A85,*1
-1	HR10								Panel Assembly - Radio VAR-ILS console (see figure 44 for next assembly)	Ref	A1-A85,*1
-2	3531								Knob (National Radio Products)	1	A1-A85
-3	AN936A616								Nut - Mounting (Walsco Products)	1	A1-A85
-4	K-10								Washer - Internal teeth lock	2	A1-A85
-5	V137								Switch Cover - SPDT (CN)	1	A1-A85
-6	HRB-10								Control - Wire wound (CN)	1	A1-A85
-7	AN960-616								Knob - Pointer (National Radio Products)	1	A1-A85
-8	AN365-632								Washer - Plain	2	A1-A85
-9	AN507-632R7								Nut - Self locking 250° F.	1	A1-A85
-10	AN960-6								Screw - Drilled fillister head machine fine thread	1	A1-A85
-11	168-71047								Washer - Plain	1	A1-A85
-12	AN365-440								Switch Assembly - Radio channel selector	1	A1-A85
-13	AN515-4R24								Nut - Self locking 250° F.	2	A1-A85
-14	168-71049								Screw - Round head machine coarse thread	2	A1-A85
-15	168-71048								Guard - Radio selector switch	1	A1-A85
-16	NAS42DD4-18								Insulator - Radio selector switch guard	1	A1-A85
-17	1401-395486386								Spacer - Rivet	2	A1-A85
-18	NAS51-21								Switch - Rotary selector (CN)	1	A1-A85
-19	168-71013								Ring - External retainer	1	A1-A85
-20	168-71017								Panel - Radio VHF console (used on 168-71012)	1	A1-A85
	168-71014								Panel - Radio ILS-VAR console (used on 168-71016)	1	A1-A85
	168-71014-10								Panel Assembly - Radio interphone console (see figure 44 for next assembly)	Ref	A1-A85,*1
-21	HR10								Panel Assembly - Radio interphone console (see figure 44 for next assembly)	Ref	A86-J57,*1
-22	3531								Knob (National Radio Products)	1	A1-J57
-23	AN936A616								Nut - Mounting (Walsco Products)	1	A1-J57
-24	V137								Washer - Internal teeth lock	1	A1-A85
	JU1031P3048								Control - Wire wound (CN)	1	A1-J57
-25	168-71015								Control (AB)	1	A86-J57
									Panel - Radio interphone console	1	A1-J57

\*1 Not used on modified airplanes coded Y.

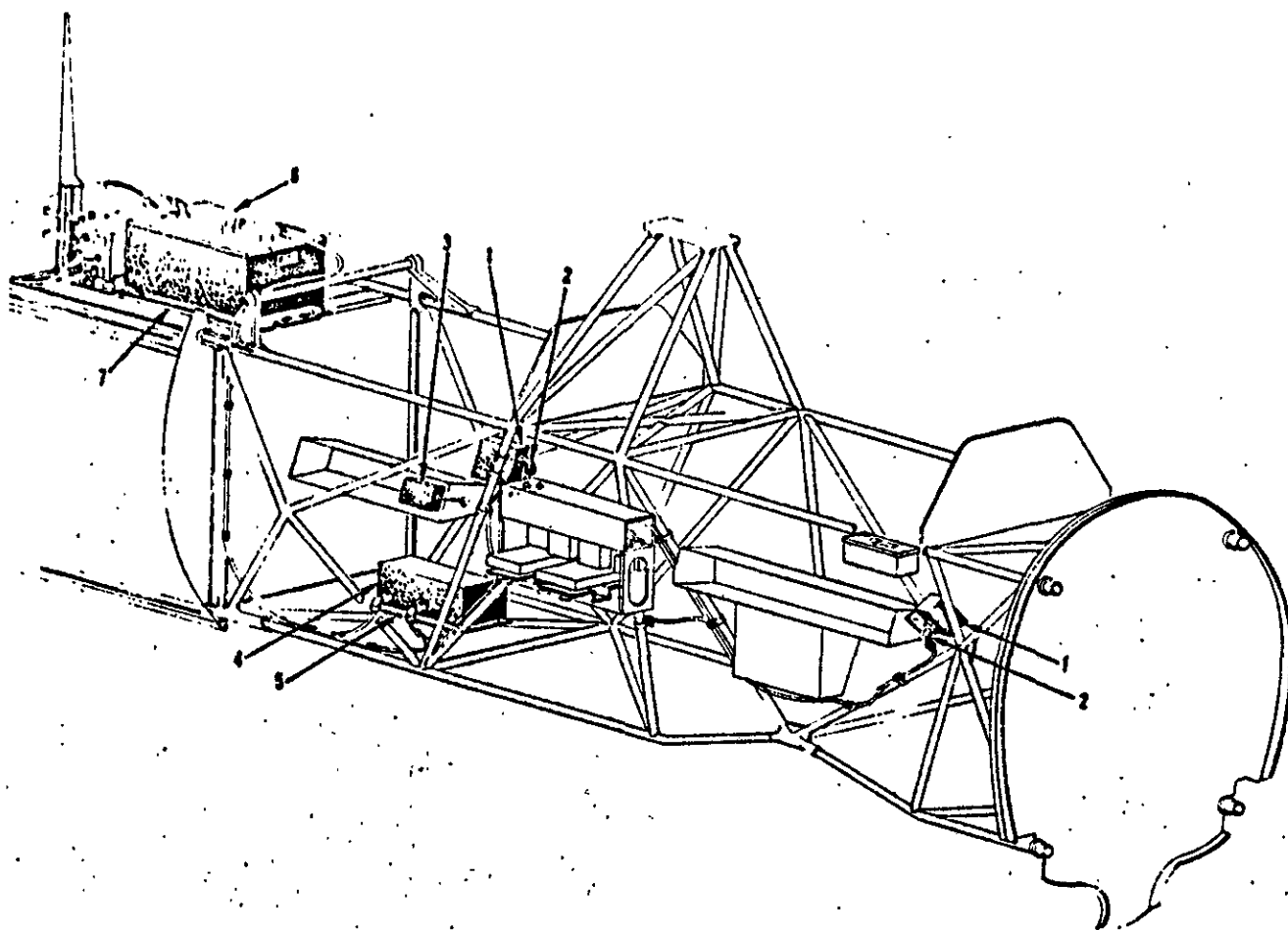


168-71-340B

FIGURE 46A - RADIO CONSOLE PANELS

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	USEABLE ON CODE
									FUSELAGE (Cont)		
									RADIO CONSOLE PANELS		
46A	168-71061								Radio Console Panels		
	168-71061-10								Panel Assembly - Radio VHF console front cockpit (see figure 44 for next assembly)	Ref	A86-J57, *1
	168-71063								Panel Assembly - Radio VHF console rear cockpit (see figure 44 for next assembly)	Ref	A86-J57, *1
	168-71063-10								Panel Assembly - Radio VAR-ILS console front cockpit (see figure 44 for next assembly)	Ref	A86-J57, *1
	168-71077								Panel Assembly - Radio VAR-ILS console rear cockpit (see figure 44 for next assembly)	Ref	A86-J57, *1
-1	HR10								Panel Assembly - VHF Radio console complete (fwd ckpt) (see figure 44C for next assembly)	Ref	Z, Y
-2	JU1031								Knob (National Radio Products)	1	A86-,Z
	JU1031P3048								Resistor - Continuously adjustable (AB)	1	A86-J57
-3	HRB10								Potentiometer (R. V. Weatherford Co.)	1	Z, Y
-4	3531								Knob - Pointer (National Radio Products)	1	A86-,Z
-5	AN13GA616								Nut - Mounting (Walasco Products)	1	Z, Y
-6	168-71065								Washer - Tooth lock	1	Z, Y
	44004H2								Switch Assembly - Radio channel selector	1	A86-,Z
-7	168-71065-3								Switch Assembly - Selector (OAK)	1	A86-,Z
-8	C1006								Spacer - Radio channel selector	1	A86-,Z
									Switch (used on 168-71061, 168-71061-10 and 168-71077 only) (RHS)	1	A86-,Z
-9	C1006								Switch (used on 168-71061 and 168-71063 only) (RHS)	1	A86-,Z
	C31006								Switch (used on 168-71063-10) (RHS)	1	A86-,Z
-10	168-71062								Panel Assy - Radio VHF console (used on 168-71061 only)	1	A86-J57
	168-71062-10								Panel Assy - Radio VHF console (used on 168-71061-10)	1	A86-J57
	168-71064								Panel Assy - Radio VAR-ILS console (used on 168-71063)	1	A86-J57
	168-71064-10								Panel Assy - Radio VAR-ILS console (used on 168-71063-10)	1	A86-J57
	168-71076								Panel Assy - VHF Radio console (used on 168-71077)	1	Z, Y

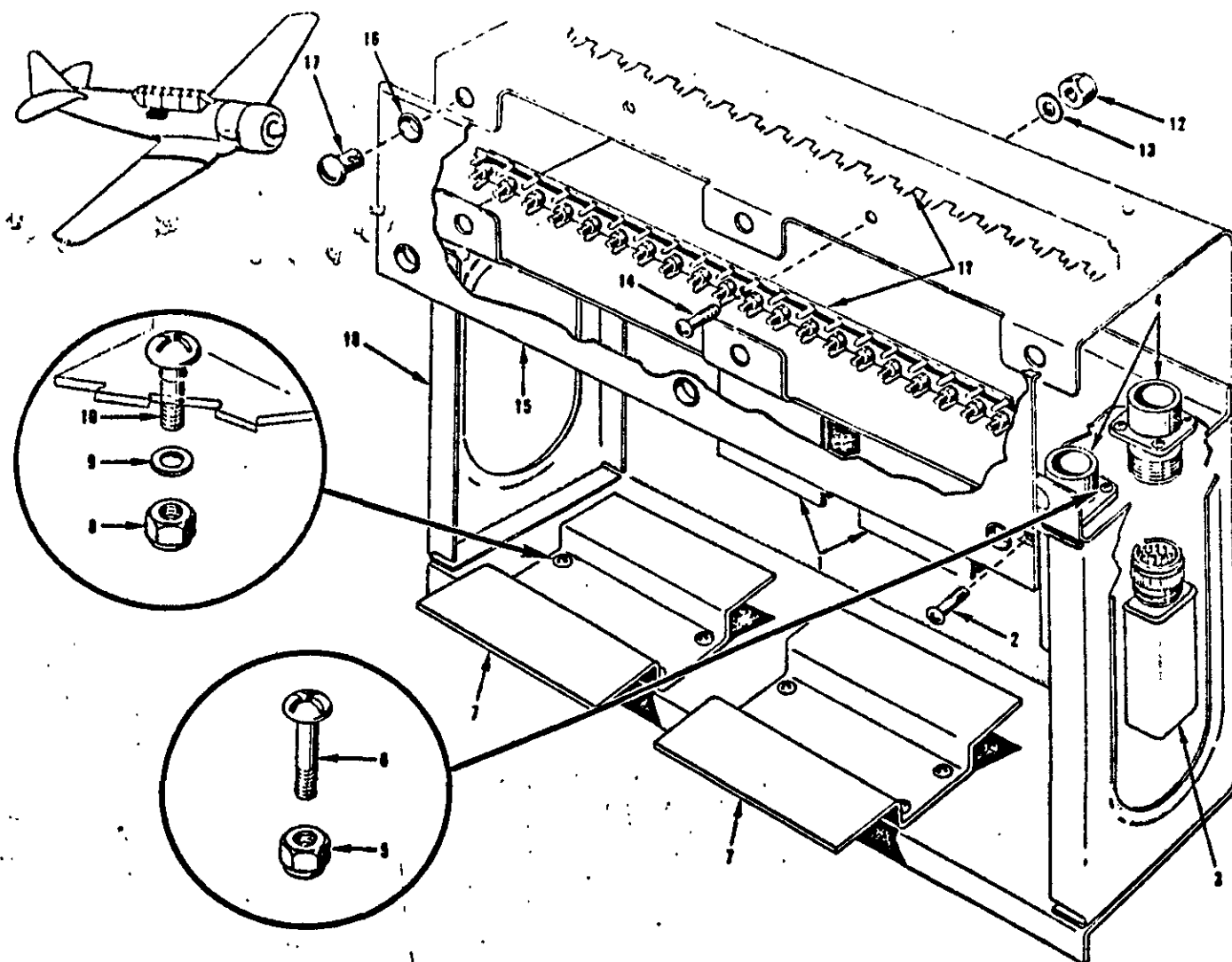
\*1 Not used on modified airplanes coded Y.



B-100-71-0

FIGURE 46B - SCR 522 RADIO COMPLETE

FIGURE & PART NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)											
SCR522 RADIO COMPLETE											
46B	182-71004	Radio SCR522 Installation - Complete (see fig. 1 for next assy).								NP	K,*1
-1	BC602-( )	Control Box (GFP)								2	K,*1
	182-71031	Bracket - Radio control box front cockpit mounting								1	K,*1
	182-71030	Bracket - Radio control box front cockpit mounting								1	K,*1
-2	PL-Q169	Plug - Right angle (GFP)								2	K,*1
-3	M299	Adapter - Microphone (GFP)								1	K,*1
	S306CCT	Receptacle (GFP)								1	K,*1
-4	PE94-( )	Dynamotor (GFP)								1	K,*1
-5	FT498	Mounting Plate (GFP)								1	K,*1
	182-71052	Shelf - Radio dynamotor unit SCR522								1	K,*1
-6	CS80-( )	Trans-ciever Case (GFP)								1	K,*1
	BC625-( )	Receiver (GFP)								1	K,*1
	FT244A	Rack (GFP)								1	K,*1
	DC11A	Crystal Unit (7550KC) (GFP)								1	K,*1
	DC11A	Crystal Unit (7010KC) (GFP)								1	K,*1
	DC11A	Crystal Unit (7660KC) (GFP)								1	K,*1
	DC11A	Crystal Unit (6750KC) (GFP)								1	K,*1
	DC11A	Crystal Unit (8200KC) (GFP)								1	K,*1
	DC11A	Crystal Unit (8155.71KC) (GFP)								1	K,*1
	DC11A	Crystal Unit (8392KC) (GFP)								1	K,*1
	DC11A	Crystal Unit (8423.08KC) (GFP)								1	K,*1
	PL-Q169	Plug (GFP)								1	K,*1
	PL-Q170	Plug (GFP)								1	K,*1
	PL271	Plug (GFP)								1	K,*1
-7	FT488	Mounting Plate (GFP)								1	K,*1
	182-71005	Wiring Diagram And Chart - SCR522A radio								1	K,*1
*1 Removed Per T. O. No. 01-60PFA-47											



R-102-72-11

FIGURE 46C - RADIO JUNCTION BOX ASSEMBLY

FIGURE & WIDE NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)											
RADIO JUNCTION BOX ASSEMBLY											
46C	168-71078-10								Box Assembly - Radio junction (see fig. 44E for next assembly)	Ref	K-,*1
-1	F21/ARA9								Filter (GFP)	2	K-,*1
	ATTACHING PARTS										
-2	AN515-8R8								Screw - Machine round head coarse thread	8	K-,*1
-3	AN3303-1								Relay - 3 amp 4 pole double throw connector mounting sealed	2	K-,*1
-4	AN3102M20-27S								Receptacle - Electrical connector box mounting	2	K-,*1
	ATTACHING PARTS										
-5	AN365-440								Nut - Self locking 250° P	8	K-,*1
-6	AN515-4R6								Screw - Machine round head coarse thread	8	K-,*1
-7	MT556/A1C								Mounting Plate (GFP)	2	K-,*1
	ATTACHING PARTS										
-8	AN365-832								Nut - Self locking 250° P	8	K-,*1
-9	AN960-8								Washer - Plain	8	K-,*1
-10	AN515-8R8								Screw - Machine round head coarse thread	8	K-,*1
-11	AN3436-2-20								Terminal Block Assembly - Electrical	2	K-,*1
	ATTACHING PARTS										
-12	AN365-440								Nut - Self locking 250° P	3	K-,*1
-13	AN960-8								Washer - Plain	3	K-,*1
-14	AN515-4R7								Screw - Machine round head coarse thread	3	K-,*1
-15	AN3433-2-2								Bus - Terminal Block	1	K-,*1
-16	168-71080								Cover Assembly - Radio junction box	1	K-,*1
-17	QA5-312								Grommet (DZ)	6	K-,*1
-17	A5-35								Stud (DZ)	6	K-,*1
-18	168-71079-10								Shield Assembly - Radio junction box	1	K-,*1
	*1 Reworked per T. O. No. 01-60PPA-47										

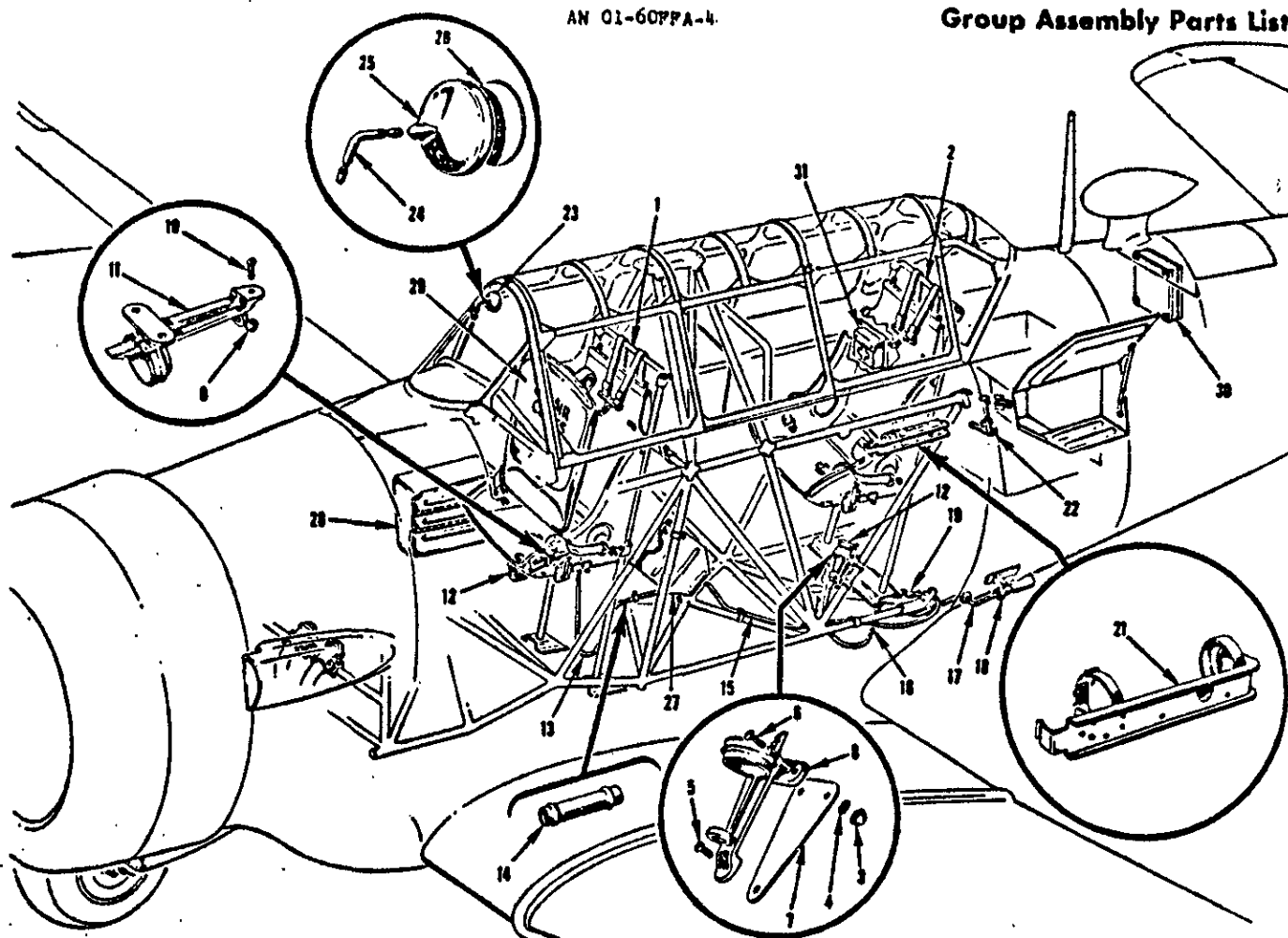
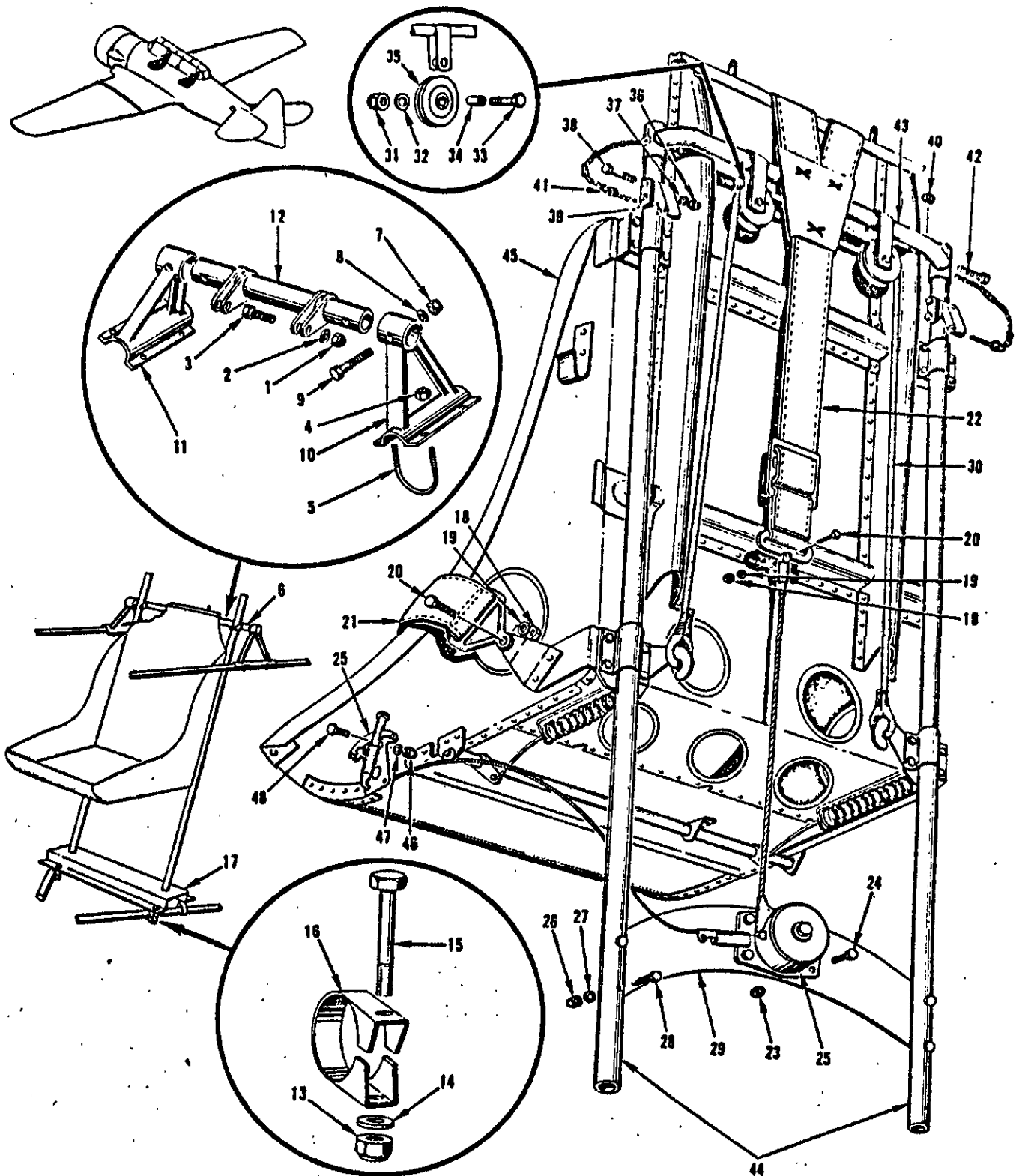


FIGURE 47 FURNISHINGS

148-57-4702

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									FUSELAGE (Cont) FURNISHINGS		
47	168-53031								Furnishings Installation - Modification (see figure 1 for next assembly)	NP	ALL
	55-53301								Heating and Ventilating System Installation (see figure 50 for detail breakdown)	NP	ALL
-1	168-53002								Seat Assembly - Complete front (see figure 48 for detail breakdown)	1	ALL
-2	168-53002-3								Seat Assembly - Complete rear (see figure 48 for detail breakdown)	1	ALL
-3	AN365-1032								Nut - Self locking	3	ALL
-4	AN960D10								Washer - Plain	3	ALL
-5	AN520-10R10								Screw - Round head machine fine thread	1	ALL
-6	AN520-10R12								Screw - Round head machine fine thread	2	ALL
-7	168-53055								Plate - Pilot's relief tube	1	ALL
-8	AN8020-1								Bracket - Flyer's relief horizontal	1	ALL
-9	AN365-832								Nut - Self locking	3	ALL
-10	AN515-8R10								Screw - Round head machine coarse thread	3	ALL
-11	AN8020-1								Bracket - Flyer's relief horizontal	1	ALL
-12	AN8018-1								Horn - Flyer's relief tube	2	ALL
-13	168-53054-5								Tube - Pilot's relief	1	ALL
-14	159-53038								Coupling - Pilot's relief tube	1	ALL
-15	168-53054-3								Tube - Pilot's relief	1	ALL
-16	168-53054-7								Tube - Rear pilot's relief	1	ALL
-17	168-53054-9								Tube - Exit relief	1	ALL
-18	41A9177								Venturi Assembly - Flyer's relief tube	1	ALL
-19	AN8019-1								Tee - Flyer's relief tube	1	ALL
-20	Deleted									1	ALL
-21	AN8000								Bracket - Fire extinguisher	1	ALL
-22	42-725								Crank - Starter	1	ALL
-23	58-53081								Mirror Assembly - Rear view	1	ALL
-24	35-53089								Arm - Rear view mirror support	1	ALL
-25	58-53082								Case - Rear view mirror	1	ALL
-26	58-53085								Mirror - Rear view	1	ALL
-27	25-53102-5								Holder Assembly - Data	1	ALL
-28	168-53047								Case Assembly - Map and data	1	ALL
-29	AN7501								Cushion - Aircraft type A-3 (OFF)	1	ALL
-30	88-53174								Case Assembly - Aircraft data	1	ALL
-31	9-196-650								Kit - First aid (OFF)	1	ALL

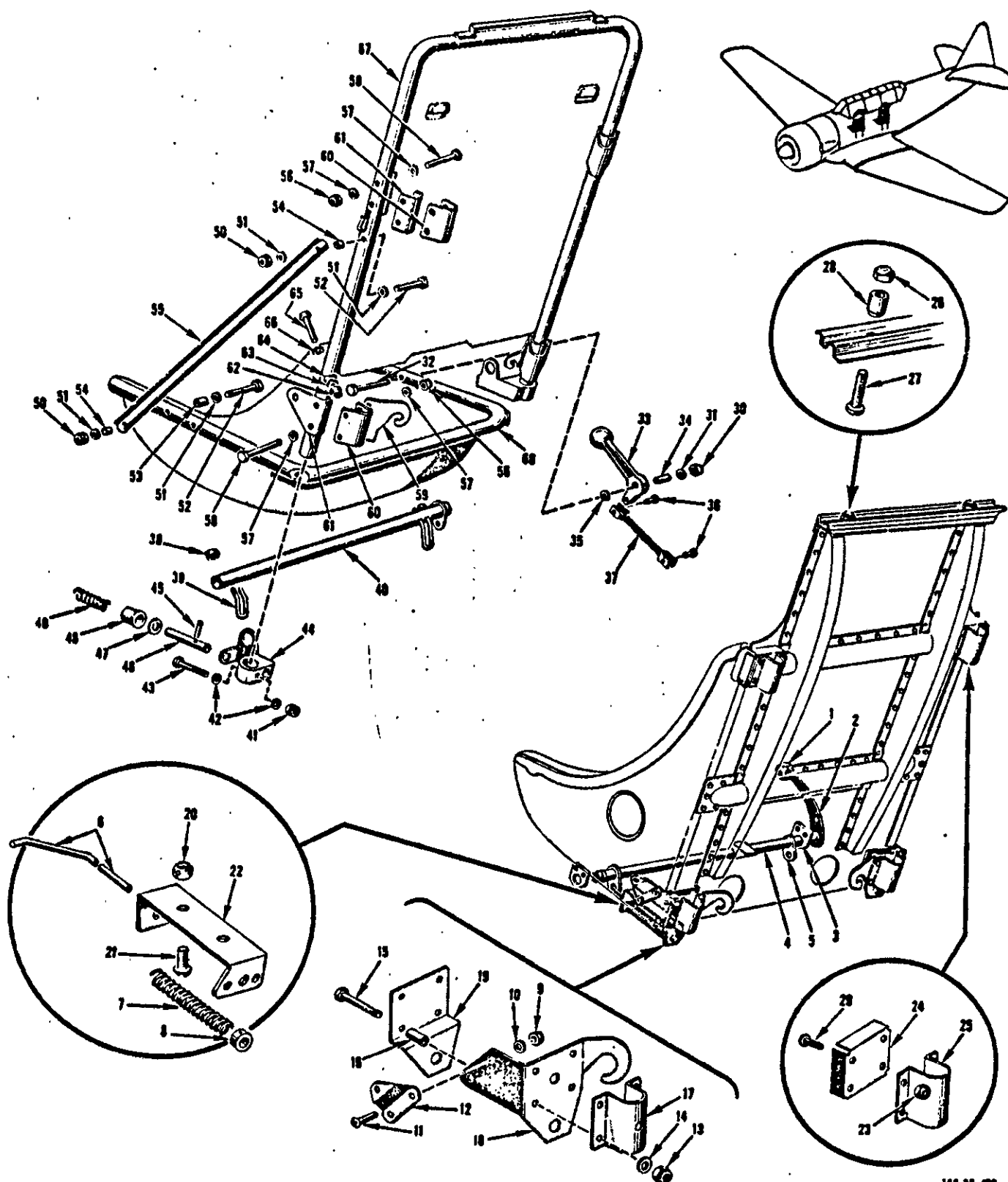


100-63-421 A

FIGURE 48 - COMPLETE SEAT ASSEMBLY

## Group Assembly Parts List

FIGURE & PART NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)											
COMPLETE SEAT ASSEMBLY											
48	168-53002	Seat Assembly - Complete front (see figure 47 for next assembly)								Ref	ALL
	168-53002-3	Seat Assembly - Complete rear (see figure 47 for next assembly)								Ref	ALL
ATTACHING PARTS											
-1	AN365-428	Nut - Self locking 250° F. (front seat)								4	ALL
	AN365-428	Nut - Self locking 250° F. (rear seat)								2	ALL
-2	AN960-416	Washer - Plain (front seat)								4	ALL
	AN960-416	Washer - Plain (rear seat)								2	ALL
-3	AN4-16A	Bolt - Aircraft 1/4-28 (front seat)								4	ALL
	AN4-16A	Bolt - Aircraft 1/4-28 (rear seat)								2	ALL
-4	AN365-428	Nut - Self locking 250° F.								8	ALL
-5	586-18	Bolt - U (NA)								4	ALL
-6	168-53004	Support Assembly - Rear cockpit seat tube upper								1	ALL
-7	AN365-428	Nut - Self locking 250° F.								2	ALL
-8	AN960D416L	Washer - Plain								2	ALL
-9	AN4-22A	Bolt - Aircraft 1/4-28								2	ALL
-10	168-53013-1	Fitting - Rear cockpit seat support upper LH								1	ALL
-11	168-53013-2	Fitting - Rear cockpit seat support upper RH								1	ALL
-12	168-53006	Tube Assembly - Rear cockpit seat support								1	ALL
-13	AN365-1032	Nut - Self locking 250° F.								4	ALL
-14	AN960-10	Washer - Plain								4	ALL
-15	AN3-16A	Bolt - Aircraft 10-32 (magnetic inspected)								4	ALL
-16	Q901-16S	Clamp (CAC)								4	ALL
-17	168-53020	Bracket - Rear cockpit seat support lower								1	ALL
-18	AN365-428	Nut - Self locking 250° F.								3	ALL
-19	2W1-16-20-63	Washer - Plain (NA)								3	ALL
-20	AN4-7A	Bolt - Aircraft 1/4-28 (magnetic inspected)								3	ALL
-21	4405437	Belt Assembly - Lap safety type B-14								1	ALL
-22	4405443	Belt Assembly - Safety shoulder harness type B-15								1	ALL
-23	AN365-1032	Nut - Self locking 250° F.								4	ALL
-24	AN3-5A	Bolt - Aircraft 10-32 (magnetic inspected)								4	ALL
-25	O-3903-101	Reel - Inertia (American Seating Company)								1	ALL
-26	AN365-1032	Nut - Self locking 250° F.								4	ALL
-27	AN960-10	Washer - Plain								8	ALL
-28	AN3-14A	Bolt - Aircraft 10-32								4	ALL
-29	168-53018	Support - Cockpit seat inertia reel								1	ALL
-30	168-53010	Cord Assembly - Rear seat shock (modification)								1	ALL
	168-53010-20	Cord Assembly - Front seat shock (mod) (used on 168-53002-3)								1	ALL
-31	AN365-1032	Nut - Self locking 250° F.								2	ALL
-32	AN960-10	Washer - Plain								2	ALL
-33	NAS221-21	Screw - Brazier head Phillips recess alloy steel 10-32								2	ALL
-34	433-10-24	Spacer - Bolt (NA)								2	ALL
-35	6P1	Pulley (NA)								2	ALL
-36	AN365-1032	Nut - Self locking 250° F. (use with 168-53002 only)								4	ALL
-37	AN960-10	Washer - Plain (use with 168-53002 only)								4	ALL
-38	AN3-22A	Bolt - Aircraft 10-32 (use with 168-53002 only)								4	ALL
-39	168-53014	Bracket - Front cockpit seat tube upper support (use with 168-53002 only)								2	ALL
-40	AN365-1032	Nut - Self locking 250° F.								2	ALL
-41	AN365-428	Nut - Self locking 250° F.								2	A1-A15
	AN4-16A	Bolt - Aircraft 1/4-28								2	A1-A15
	168-53028	Pin Assembly - Rear cockpit seat upper attaching (used on 168-53002-3 only)								2	A16-
	168-53027	Pin - Rear cockpit seat upper attachment								2	A16-
-42	AN3-14A	Bolt - Aircraft 10-32								2	ALL
-43	168-53011	Support Assembly - Cockpit seat shock cord pulley (used on 168-53002 only)								1	ALL
	168-53011-10	Support Assembly - Cockpit seat shock cord pulley (used on 168-53002-3 only)								1	ALL
-44	168-53016	Tube - Front seat support (used on 168-53002 only)								1	ALL
	168-53019-1	Tube - Rear seat support adj LH (used on 168-53002-3 only)								1	ALL
	168-53019-2	Tube - Rear seat support adj RH (used on 168-53002 only)								1	ALL
-45	168-53005	Seat Assembly - Pilot's (modification) (see figure 49 for detail breakdown)								1	ALL
-46	AN365-1032	Nut - Self locking 250° F.								2	ALL
-47	AN960D10	Washer - Plain								2	ALL
-48	AN3-4	Bolt - Aircraft 10-32								2	ALL



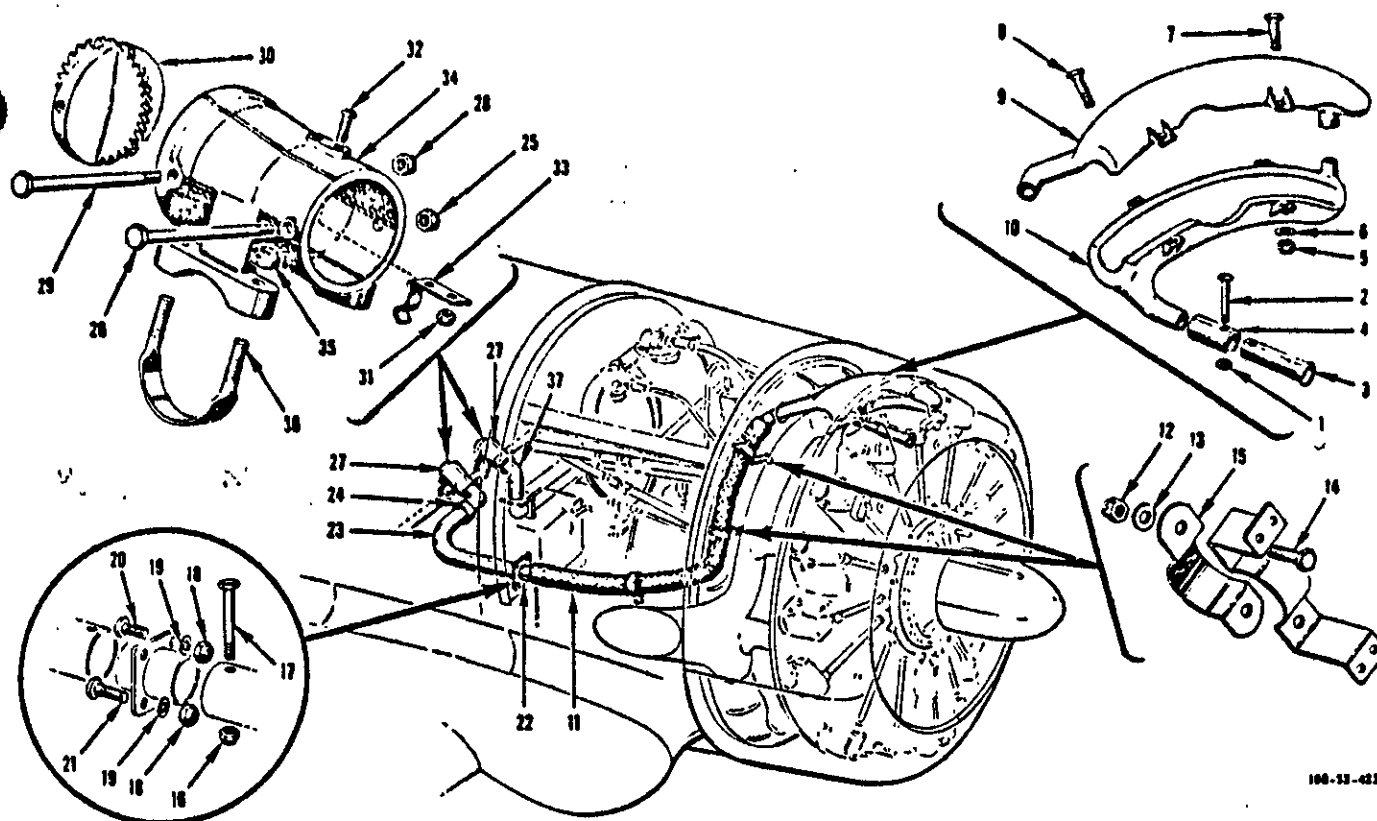
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FIGURE 49 - PILOT'S SEAT ASSEMBLY



FIGURE & INCH NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									FUSELAGE (Cont.)		
									PILOT'S SEAT ASSEMBLY		
49	168-53005								Seat Assy - Pilot's (mod) (see fig. 48 for next assembly)	Ref	ALL
	95-100								Seat Assembly - Complete (SJC) (modified per 168-53005)	1	ALL
-1	95-100-22C								Knob - Adjusting lever (SJC)	1	ALL
-2	95-100-22A								Arm - Adjusting lever (SJC)	1	ALL
-3	95-100-18C								Clip - Mounting lever (SJC)	2	ALL
-4	95-100-22								Shaft - Adjusting lever (SJC)	1	ALL
-5	95-100-22D								Cnm - Adjusting lever (SJC)	2	ALL
-6	95-100-26								Bolt - Adjusting (SJC)	2	ALL
-7	95-100-27								Spring - Adjusting bolt (SJC)	2	ALL
-8	95-100-39								Washer - Cotter pin (SJC)	2	ALL
-9	AN365D428								Nut - Self locking 250°F	4	ALL
-10	AN960-416								Washer - Plain	4	ALL
-11	SK71-428-12								Screw - Brazier head (SJC)	4	ALL
-12	95-100-16								Fitting - Bolt (SJC)	2	ALL
-13	AN365D1032								Nut - Self locking 250°F	8	ALL
-14	AN960-316								Washer - Burr	8	ALL
-15	AN3-11A								Bolt - Aircraft 10-32	8	ALL
-16	95-100-14C								Spacer - Bracket (SJC)	8	ALL
-17	95-100-14								Strap - Mounting (SJC)	2	ALL
-18	95-100-14LH								Bracket - LH (SJC)	1	ALL
	95-100-14RH								Bracket - RH (SJC)	1	ALL
-19	95-100-14ALH								Bracket - Spacer LH (SJC)	1	ALL
	95-100-14ARRH								Bracket - Spacer RH (SJC)	1	ALL
-20	AN365-1032								Nut - Self locking 250°F	4	ALL
-21	SK71-1032-8								Screw - Brazier head (SJC)	4	ALL
-22	95-100-14B								Support - Bracket bolt (SJC)	2	ALL
-23	AN365D1032								Nut - Self locking 250°F	8	ALL
-24	95-100-17								Spacer (SJC)	2	ALL
-25	95-100-15								Strap - Mounting (SJC)	2	ALL
-26	AN365D1032								Nut - Self locking 250°F	2	ALL
-27	SK97-1032-14								Screw - Binding head (SJC)	2	ALL
-28	95-100-42								Spacer (SJC)	2	ALL
-29	AN4-16A								Bolt - Aircraft 1/4-28	8	ALL
	243B-AS1								Seat Assembly (Warren-McArthur) (modified per 168-53005)	1	ALL
-30	AN364-1032								Nut - Self locking thin 250°F	1	ALL
-31	AN960A10								Washer - Plain	2	ALL
-32	AN23-30A								Bolt - Clevis 10-32	1	ALL
-33	243AS2R								Handle Assembly - Elevation lock (Warren-McArthur)	1	ALL
-34	243-13								Spacer (Warren-McArthur)	1	ALL
-35	184-16								Washer (Warren-McArthur)	1	ALL
-36	AN393-9								Pin - Flat head 3/16	2	ALL
-37	243AS3								Link Assembly - Elevation lock (Warren-McArthur)	1	ALL
-38	AN364-1032								Nut - Self locking thin	2	ALL
-39	241-28L								Lift Arm - Elevation lock LH (Warren-McArthur)	1	ALL
	241-28R								Lift Arm - Elevation lock RH (Warren-McArthur)	1	ALL
-40	243B-AS4R								Lock Tube and Lift Assembly (Warren-McArthur)	1	ALL
-41	AN364-1032								Nut - Self locking thin 250°F	2	ALL
-42	AN960A10								Washer - Plain	4	ALL
-43	AN3-17A								Bolt - Aircraft 10-32	2	ALL
-44	243AS8L								Bracket Assembly - Elevation LH (Warren-McArthur)	1	ALL
	243AS8R								Bracket Assembly - Elevation RH (Warren-McArthur)	1	ALL
-45	162-16								Lock Pin (Warren-McArthur)	2	ALL
-46	241-14								Pin - Lock elevation (Warren-McArthur)	2	ALL
-47	AN940D416								Washer - Burr	2	ALL
-48	163-52								Washer - Cup (Warren-McArthur)	2	ALL
-49	162-62								Spring - Elevation lock (Warren-McArthur)	2	ALL
-50	AN364-428								Nut - Self locking thin 250°F	4	ALL
-51	AN960A416								Washer - Plain	8	ALL
-52	AN4-16A								Bolt - Aircraft 1/4-28	2	ALL
-53	243B4								Spacer - Seat frame (Warren-McArthur)	2	ALL
-54	238-32								Bushing - Side support (Warren-McArthur)	4	ALL
-55	168-53005-3								Support - Pilot's seat (mod)	2	ALL
-56	AN365-1032								Nut - Self locking 250°F	8	ALL
-57	AN960A10								Washer - Plain	16	ALL
-58	AN3-22A								Bolt - Aircraft 10-32	8	ALL
-59	243B6L								Hook - Shock cord LH (Warren-McArthur)	1	ALL
	243B6R								Hook - Shock cord RH (Warren-McArthur)	1	ALL
-60	241-7								Clip - Stanchion (Warren-McArthur)	4	ALL
-61	241-9L								Guide - Stanchion lower LH (Warren-McArthur)	1	ALL
	241-9R								Guide - Stanchion lower RH (Warren-McArthur)	1	ALL
	241-8R								Guide - Stanchion upper (Warren-McArthur)	2	ALL
-62	AN365-428								Nut - Self locking 250°F	2	ALL
-63	AN960A10								Washer - Plain	4	ALL
-64	241-34								Washer (Warren-McArthur)	2	ALL
-65	AN24-44A								Bolt - Clevis 1/4-28	2	ALL
-66	241-37								Washer (Warren-McArthur)	2	ALL
-67	243AS5								Back Assembly (Warren-McArthur)	1	ALL
-68	243BAS3								Pan Assembly - Seat (Warren-McArthur)	1	ALL
	1152A100								Seat Assembly (General Development Corporation)	1	ALL
	1153C100								Seat Assembly (General Development Corporation) (may be used without modification)	1	ALL

NOTE: • 95-100 (SJC) 243B-AS1 (Warren-McArthur) and 1152A100 (General Development) Seat Assemblies are interchangeable and used as alternate assemblies on T-60 Aircraft.



100-11-423

FIGURE - 50 HEATING AND VENTILATING SYSTEM

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
FUSELAGE (Cont)											
HEATING AND VENTILATING SYSTEM											
50	55-53301	Heating and Ventilating System Installation (See figure 47 for next assembly)								NP	ALL
-1	AN320-3	Nut - Castle shear								1	ALL
-2	AN23-38	Bolt - Clevis 10-32								1	ALL
-3	55-53330	Tube - Heating system air intake to heater								1	ALL
-4	55-53331	Tube - Hot air intake to heater								1	ALL
-5	AN310-4	Nut - Castellated airframe								4	ALL
-6	AN960-416	Washer - Plain								4	ALL
-7	AN4-14	Bolt - Aircraft 1/4-28								2	ALL
-8	AN4-15	Bolt - Aircraft 1/4-28								2	ALL
-9	88-53305	Heater - Upper								1	ALL
-10	88-53306	Heater Assembly - Cockpit lower								1	ALL
-11	55-53308	Tube Assembly - Heating system heater to firewall								4	ALL
-12	AN310-3	Nut - Castellated airframe								4	ALL
-13	AN960-10	Washer - Plain								4	ALL
-14	AN3-4	Bolt - Aircraft 10-32								2	ALL
-15	55-53329	Clamp - Heating system heater to firewall tube								2	ALL
-16	AN365-1032	Nut - Self locking								2	ALL
-17	AN3-22A	Bolt - Aircraft 10-32								4	ALL
-18	AN365-1032	Nut - Self locking								4	ALL
-19	AN960-10	Washer - Plain								3	ALL
-20	NAS221-10	Screw - Brazier head Phillips recess alloy steel 10-32								1	ALL
-21	NAS221-12	Screw - Brazier head Phillips recess alloy steel 10-32								1	ALL
-22	55-53306-2	Fitting - Heating system firewall tube								1	ALL
-23	55-53338	Tube Assembly - Heating system firewall to valve outboard								1	ALL
-24	88-53339	Tube Assembly - Heating system firewall to valve inboard								2	ALL
-25	AN365-1032	Nut - Self locking								2	ALL
-26	AN3-25A	Bolt - Aircraft 10-32								1	ALL
-27	55-53335-4	Valve Assembly - Cockpit hot and cold air ventilating system								1	ALL
-27	55-53335-5	Valve Assembly - Cockpit hot and cold air ventilating system								1	ALL
-28	AN365-1032	Nut - Self locking								1	ALL
-29	AN3-32A	Bolt - Aircraft 10-32								1	ALL
-30	55-53337-2	Valve - Cockpit hot air ventilating system								1	ALL
-30	55-53337-3	Valve - Cockpit hot air ventilating system								2	ALL
-31	AN365-440	Nut - Self locking								2	ALL
-32	AN515-4-7	Screw - Round head machine coarse thread								1	ALL
-33	55-53341	Clip - Heating and ventilating system valve spring								1	ALL
-34	55-53336	Fitting - Ventilator exhaust attaching parts								8	ALL
-35	AN365-428	Nut - Self locking								4	ALL
-36	586-16	Bolt - "U"								1	ALL
-37	55-53340	Tube - Ventilating system wing fitting to valve								1	ALL

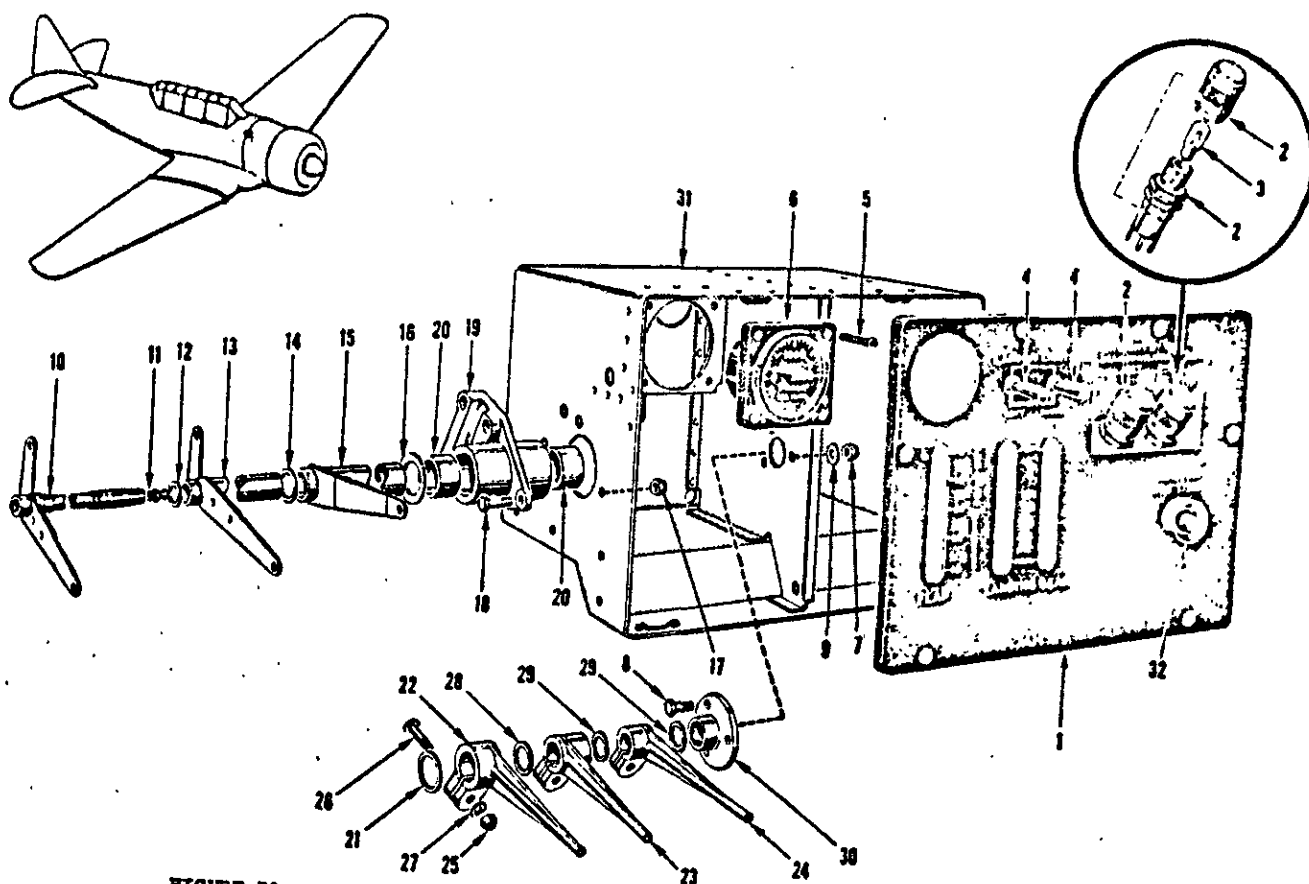


FIGURE 51 - COMPLETE ALIGHTING GEAR POSITION INDICATOR BOX ASSEMBLY

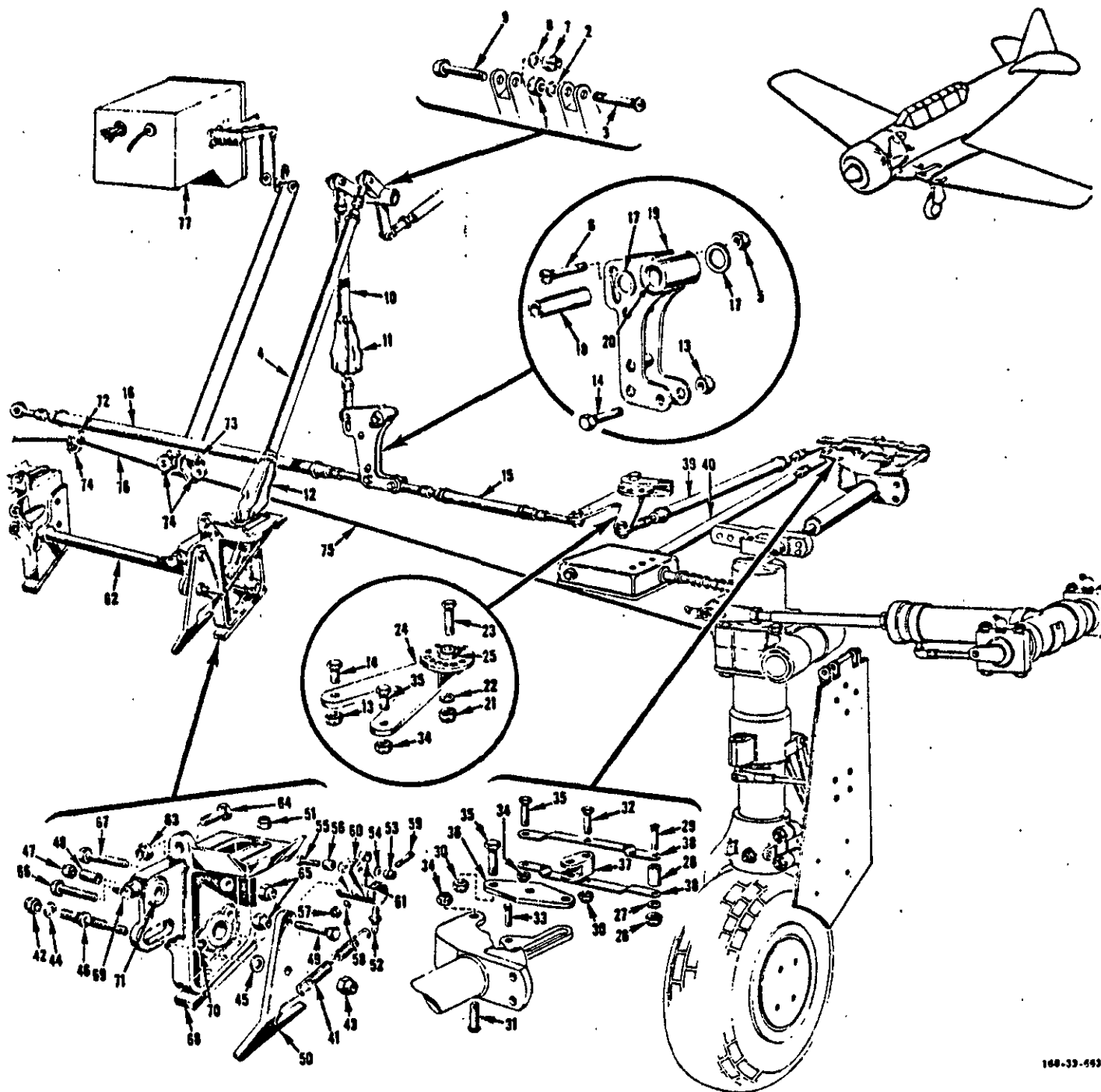
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FIGURE 51 INDEX NUMBER	PART NUMBER	NOMENCLATURE	UNITS PER ASSY.	USEABLE ON CODE
		COMPLETE ALIGHTING GEAR POSITION INDICATOR BOX ASSEMBLY		
51	168-33523	Box Assembly - Alighting gear position indicator complete	Ref	A-
	168-33523-10	Box Assembly - Alighting gear position indicator complete	Ref	A-
-1	168-33525	(see figure 15 for next assembly)	1	Z
-2	168-33525-10	(see figure 15 for next assembly)	1	A-
-3	AN3157-3	Cover Assembly - Alighting gear position indicator box	1	Z
-4	AN3121-313	Cover Assembly - Alighting gear position indicator box	1	ALL
-5	AN3160-35	Light Assembly - Press to test indicator	1	ALL
-6	AN526-8R12	Lamp - T3 1/4 Bulb ac miniature bayonet base	1	ALL
-7	AN5771-4	Circuit Breaker - Switch type non-trip free	1	ALL
-8	AN365-1032	Screw - Machine truss head	1	ALL
-9	AN3-5A	Gage - Single 1 7/8 dial pressure (OPF)	1	ALL
-10	2W1AL13-18-32	Nut - Self locking 250°F	1	ALL
-11	168-33518	Bolt - Aircraft 10-32	1	ALL
-12	NAS2-101	Washer - Plain (NA)	1	ALL
-13	2W1C33-22-.020	Shaft Assembly - Alighting gear position LH indicator	1	ALL
-14	168-33517	Fitting - Lubrication	1	ALL
-15	2W1C41-28-.020	Washer - Plain (NA)	1	ALL
-16	168-52610	Shaft Assembly - Alighting gear position LH indicator	1	ALL
-17	2W1C49-34-.020	Washer - Plain (NA)	1	ALL
-18	AN365-1032	Shaft Assembly - Flap position front cockpit indicator	1	ALL
-19	AN3-5A	Washer - Plain (NA)	1	ALL
-20	168-33522	Nut - Self locking 250°F	1	ALL
-21	4B19B12-015	Bolt - Aircraft 10-32	1	ALL
-22	2W1C49-34-.020	Support Assy - Alighting gear position indicator shaft	1	ALL
-23	168-52606	Bushing - Press fit plain (NA)	1	ALL
-24	168-33513	Washer - Plain (NA)	1	ALL
-25	168-33514	Indicator Assembly - Flap position front cockpit	1	ALL
-26	AN365-832	Indicator Assembly - Alighting gear position LH	1	ALL
-27	NAS220-16	Indicator Assembly - Alighting gear position RH	1	ALL
-28	AN960D8L	Nut - Self locking 250°F	1	ALL
-29	2W1C41-30-.020	Screw - Brazier head Phillips recess alloy steel 8-32	1	ALL
-30	2W1C33-26-.020	Washer - Plain	1	ALL
-31	168-33520	Washer - Plain (NA)	1	ALL
-32	168-33524	Washer - Plain (NA)	1	ALL
	A2001RCUR	Bearing - Alighting gear position indicator shaft	1	ALL
		Box Assembly - Alighting gear position indicator	1	ALL
		Switch Assembly (HET)	1	ALL

Issued 31 January 1952

Section II  
Group Assembly Parts List

AN 01-60FFA-4



168-33-5934

FIGURE 52 - MAIN LANDING GEAR

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									ALIGHTING GEAR (Cont) MAIN LANDING GEAR		
52	77-33001								Landing Gear Installation - Main (see fig. 1 for next assy).	NP	ALL
	No Number								• Main Landing Gear Pairing and Chassis Equipment (see figure 53 for detail breakdown)	NP	ALL
	No Number								• Main Landing Gear Lock Equipment (see figure 56 for detail breakdown)	NP	ALL
	168-33564								• Lock Instl - Alighting gear emergency down (see fig. 56A for detail breakdown)	NP	C61-
-1	AN320-4								• Nut - Castle shear	2	ALL
-2	AN960-416								• Washer - Plain	2	ALL
-3	AN24-13								• Bolt - Clevis 1/4-28	1	ALL
-4	88-33539								• Rod Assembly - Landing gear up position latch control	1	ALL
-5	AN320-3								• Nut - Castle shear	1	ALL

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FIGURE & UNION NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									ALIGNING GEAR (Cont)		
									MAIN LANDING GEAR (Cont)		
52-6	AN31-14								Bolt - Clevis 10-32	1	ALL
-7	AN110-3								Nut - Castellated airframe	1	ALL
-8	AN960-10								Washer - Plain	1	ALL
-9	AN3-11								Bolt - Aircraft 10-32	1	ALL
-10	68-33591								Rod Assy - Landing gear fuselage to center section control	1	ALL
-11	36-33546								Root - Landing gear lock mechanism bellcrank housing	1	ALL
-12	36-33545								Root - Landing gear retracted position retainer support	1	ALL
-13	AN110-3								Nut - Castellated airframe	4	ALL
-14	AN4-7								Bolt - Aircraft 10-32	4	ALL
-15	88-33593								Rod Assy - Landing gear lock center section left control	1	ALL
-16	88-33565								Rod Assy - Landing gear lock control push	1	ALL
-17	AN960-816								Washer - Plain	2	ALL
-18	36-33554								Shaft - Landing gear lock mechanism bellcrank	1	ALL
-19	55-33544								Bellcrank Assy - Landing gear lock mechanism bellcrank	1	ALL
-20	B812P								Bearing (TOR)	2	ALL
-21	AN310-4								Nut - Castellated airframe	1	ALL
-22	AN960-416								Washer - Plain	2	ALL
-23	AN4-16								Bolt - Aircraft 1/4-28 (LH only)	1	ALL
	AN4-17								Bolt - Aircraft 1/4-28 (RH only)	1	ALL
-24	36-33549								Bellcrank Assy - LH Landing gear lock pin control rod outboard	1	ALL
	55-33550								Bellcrank Assy - RH Landing gear lock pin control rod outboard	1	ALL
-25	3-1135-4								Bearing (FAP) (BC4W9 may be substituted) (Used on LH only)	1	ALL
	BCU4								Bearing (FAP) (Used on RH only)	2	ALL
-26	AN320-4								Nut - Castle shear	2	ALL
-27	AN960-416								Washer - Plain	2	ALL
-28	4B21S4-12								Bushing - Spacer	2	ALL
-29	AN24-14								Bolt - Clevis 1/4-28	4	ALL
-30	AN310-4								Nut - Castellated airframe	2	ALL
-31	AN24-16								Bolt - Clevis 1/4-28	2	ALL
-32	AN4-12								Bolt - Aircraft 1/4-28	2	ALL
-33	AN392-13								Pin - Flat head 1/8	2	ALL
-34	AN310-3								Nut - Castellated airframe	6	ALL
-35	AN3-7								Bolt - Aircraft 10-32	6	ALL
-36	36-33521								Link - Landing gear position indicator switch lock pin	2	ALL
-37	36-33517								Link - Landing gear locking control rod support	2	ALL
-38	55-33548								Arm - Left landing gear lock pin push rod support link	1	ALL
	55-33563								Arm - Right landing gear lock pin push rod support link LH	1	ALL
	55-33563-1								Arm - Right landing gear lock pin push rod support link RH	1	ALL
-39	88-33594								Rod Assy - Landing gear lock pin left control	1	ALL
	88-33592								Rod Assy - Landing gear lock pin right control	1	ALL
-40	36-54028								Rod Assy - Landing gear position indicator switch actuating	2	ALL
-41	36-33553								Spring - Landing gear lock mechanism latch	2	ALL
-42	AN310-4								Nut - Castellated airframe	2	ALL
-43	AN310-3								Nut - Castellated airframe	2	ALL
-44	2W1-13-22-40								Washer - Plain	2	ALL
-45	AN960C10								Washer - Plain	2	ALL
-46	36-33542								Bolt - Landing gear locking mechanism latch spring attaching	2	ALL
-47	AN310-5								Nut - Castellated airframe	2	ALL
-48	4B14R5-37								Bushing - Spacer	2	ALL
-49	AN5-16								Bolt - Aircraft 5/16-24	1	ALL
-50	36-33515								Latch - Landing gear locking mechanism cam LH	1	ALL
	36-33515-1								Latch - Landing gear locking mechanism cam RH	1	ALL
-51	AN310-3								Nut - Castellated airframe	2	ALL
-52	AN42-4								Bolt - 10-32 for 3/16 pin eye	2	ALL
-53	AN320-4								Nut - Castle shear	2	ALL
-54	AN960-416								Washer - Plain	2	ALL
-55	AN24-18								Bolt - Clevis 1/4-28	2	ALL
-56	36-33552								Roller - Landing gear locking mechanism latch operating	4	ALL
-57	AN320-3								Nut - Castle shear	4	ALL
-58	AN775-3								Washer - Taper pin	4	ALL
-59	36-33514								Arm Assembly - Landing gear locking mechanism roller LH	1	ALL
-60	36-33514-1								Arm Assembly - Landing gear locking mechanism roller RH	1	ALL
-61	4B2R8								Bushing	1	ALL
-62	36-33558								Shaft - Landing gear retracted position lock torque	1	ALL
-63	AN365-524								Nut - Self locking	2	ALL
-64	AN5-6A								Bolt - Aircraft 5/16-24	4	ALL
-65	AN365-428								Nut - Self locking	2	ALL
-66	AN4-20A								Bolt - Aircraft 1/4-28	2	ALL
-67	AN4-22A								Bolt - Aircraft 1/4-28	1	ALL
-68	66-33509								Support Assy - Landing gear retracted position retainer LH	1	ALL
	66-33509-1								Support Assy - Landing gear retracted position retainer RH	1	ALL
-69	NAS2-301								Fitting - Lubrication	1	ALL
-70	NAS2-101								Fitting - Lubrication	1	ALL
-71	4B5R35								Bushing	1	ALL
-72	36-33551								Bracket - Right landing gear position indicator cable pulley	1	ALL
-73	36-33543								Bracket - Landing gear position indicator cable pulley	1	ALL
-74	AN210-1A								Pulley - Anti-friction bearing control	3	ALL
-75	168-33515								Cable Assembly - Alighting gear position indicator LH	Ref	
-76	168-33516								Cable Assembly - Alighting gear position indicator RH	Ref	
-77	168-33523								Box Assembly - Alighting gear position indicator complete	Ref	

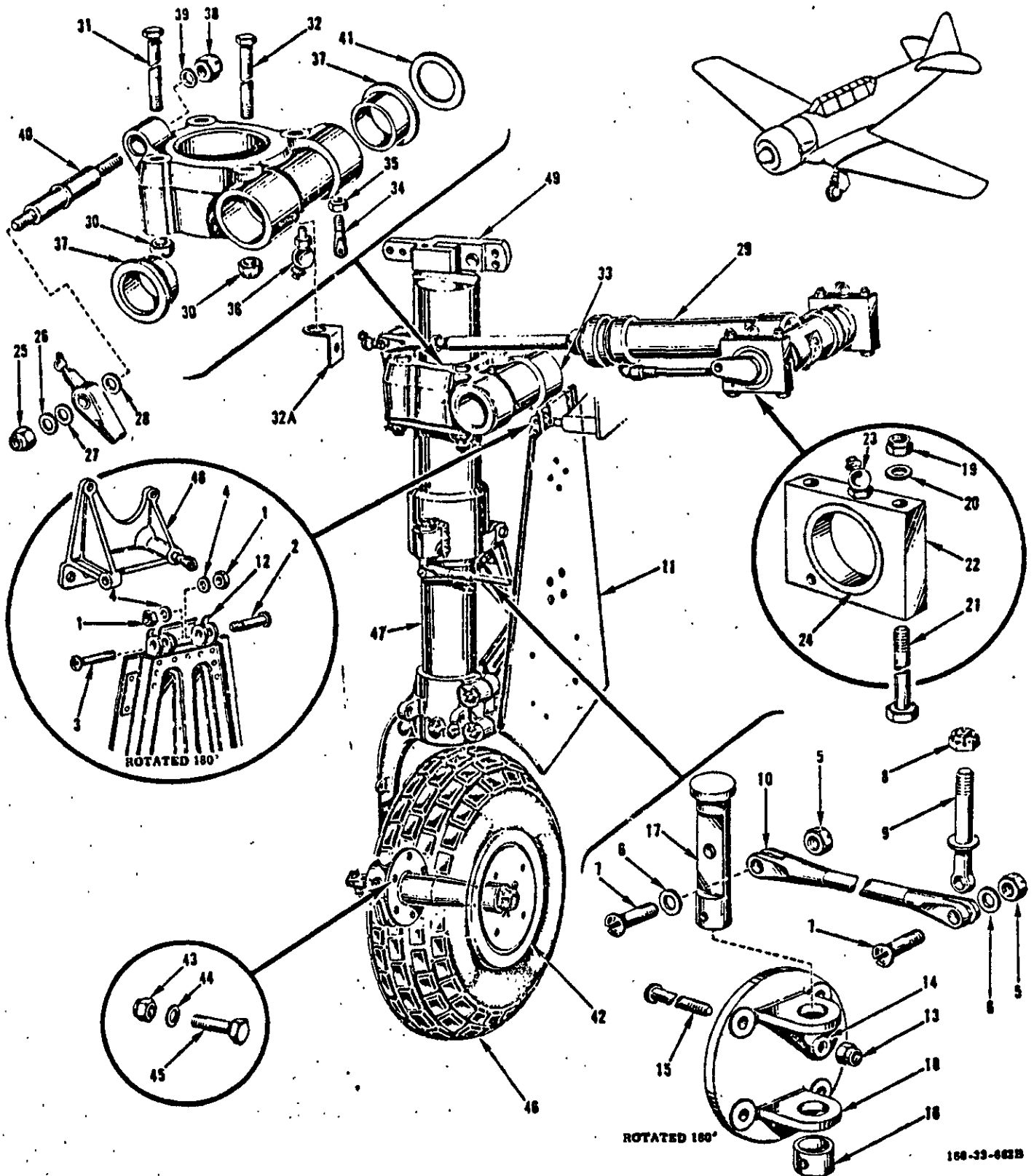
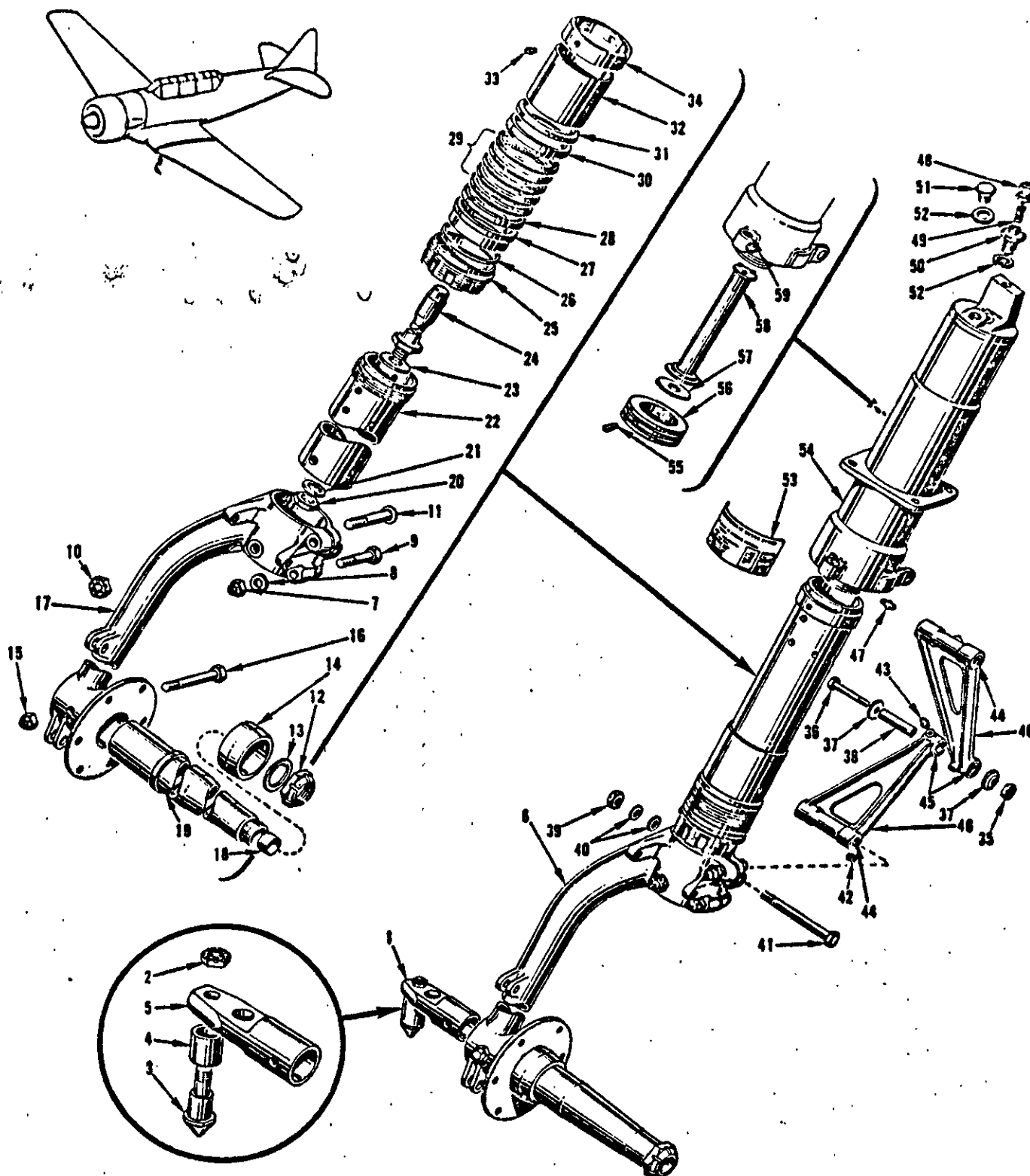


FIGURE 53 - MAIN LANDING GEAR FAIRING AND CHASSIS EQUIPMENT

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
ALIGNING GEAR (Cont)											
MAIN LANDING GEAR FAIRING AND CHASSIS EQUIPMENT											
53	No Number	Main Landing Gear Fairing and Chassis Equipment (see fig. 52 for next assembly)								NP	ALL
-1	AN320-3	Nut - Castle shear								4	ALL
-2	AN23-24	Bolt - Clevis 10-32								2	ALL
-3	AN23-25	Bolt - Clevis 10-32								2	ALL
-4	AN960-10	Washer - Plain								4	ALL
-5	AN320-4	Nut - Castle shear								4	ALL
-6	AN960L416	Washer - Plain								4	ALL
-7	AN24-12	Bolt - Clevis 1/4-28								4	ALL
-8	AN320-6	Nut - Castle shear								2	ALL
-9	36-33309	Bolt - Landing gear oleo fairing attaching								2	ALL
-10	66-33578	Rod Assembly - Landing gear fairing door actuating								2	ALL
-11	66-33305	Fairing Assembly - Landing gear LH								1	ALL
	66-33305-1	Fairing Assembly - Landing gear RH								1	ALL
-12	66-33307	Hinge - Landing gear fairing								1	ALL
-13	AN365-1012	Nut - Self locking 250°P								4	ALL
-14	AN960-10	Washer - Plain								4	ALL
-15	NAS22-11	Screw - Bracket head Phillips recess alloy steel 10-32								4	ALL
	36-33310	Fitting Assembly - Landing gear fairing link attaching								1	ALL
-16	36-33313	Collar - Landing gear fairing link attaching fitting								1	ALL
-17	36-33315	Shaft - Landing gear fairing link attaching fitting								1	ALL
-18	36-33317	Bracket - Landing gear fairing link attaching fitting								1	ALL
-19	AN365-524	Nut - Self locking 250°P								8	ALL
-20	AN960-516	Washer - Plain								8	ALL
-21	AN5-33A	Bolt - Aircraft 5/16-24								8	ALL
-22	54-33583	Bearing Assembly - Landing gear operating strut								4	ALL
-23	NAS2-201	Fitting - Lubrication								1	ALL
-24	25-33536	Bearing - Landing gear operating strut								1	ALL
-25	AN310-6	Nut - Castellated airframe								2	ALL
-26	AN960-616	Washer - Plain								2	ALL
-27	2W1-25-32-63	Washer - Plain (NA)								2	ALL
-28	AN960-1016	Washer - Plain								AR	ALL
-29	66-58026-2	Strut Assembly - Hydraulic landing gear operating								2	ALL
-30	AN310-7	Nut - Castellated airframe								8	ALL
-31	AN7-50	Bolt - Aircraft 7/16-20								4	ALL
-32	AN7-41	Bolt - Aircraft 7/16-20								4	ALL
-32A	168-33420	Clip - Hydraulic brake line support								2	PHO-
-33	66-33118	Fitting Assy - Landing gear retracting oleo attaching LH								1	ALL
	66-33118-1	Fitting Assy - Landing gear retracting oleo attaching RH								1	ALL
-34	36-33559	Bolt - Landing gear position indicator cable attaching								1	ALL
-35	AN316-4R	Nut - Check								1	ALL
-36	AN286-2	Fitting - Lubricator pressure grip type PT								1	ALL
-37	36-33119	Bushing - Landing gear retracting oleo attaching fitting								2	ALL
-38	AN310-5	Nut - Castellated airframe								1	ALL
-39	2W1-21-30-125	Washer - Plain (NA)								1	ALL
-40	66-33109	Pin - Landing gear retracting arm attaching								1	ALL
-41	2W1C122-92-38	Washer - Plain (NA)								AR	ALL
	2W1C122-92-31	Washer - Plain (NA)								AR	ALL
	2W1C122-92-20	Washer - Plain (NA)								AR	ALL
	2W1C122-92-16	Washer - Plain (NA)								AR	ALL
	2W1C122-92-10	Washer - Plain (NA)								AR	ALL
	2W1C122-92-8	Washer - Plain (NA)								AR	ALL
	2W1C122-92-6	Washer - Plain (NA)								AR	ALL
	2W1C122-92-4	Washer - Plain (NA)								AR	ALL
	2W1C122-92-2	Washer - Plain (NA)								AR	ALL
-42	No Number	Wheel - Main landing gear (Spec. AN-W-6) (GFP)								2	ALL
	H2-584L	Brake Assembly - Main aligning gear LH (168-33402-1)(Goodrich) (includes (AMB) #64 lining 1 req (OR D27-276 Goodrich) (WAE) FC8344 cup 2 req and (WAE) FC9031 boot 2 req)								1	ALL
	H2-584R	Brake Assembly - Main aligning gear RH (168-33402-2)(Goodrich) (includes (AMB) #64 lining 1 req (OR D27-276 Goodrich) (WAE) FC8344 cup 2 req and (WAE) FC9031 boot 2 req)								1	ALL
ATTACHING PARTS											
-43	AN365-524	Nut - Self locking 250°P								12	ALL
-44	AN960-516	Washer - Plain								12	ALL
-45	AN5-7A	Bolt - Aircraft 5/16-24								12	ALL
-46	No Number	Casing - 27" Smooth contour (Spec. AN-C-55) type I (GY) (GFP)								2	ALL
	No Number	Tube - 27" Inner (Spec. AN-I-14) type I (GY) (GFP)								2	ALL
-47	65810	Strut Assembly - Main LG shock LH (BX) (NA No. 78-33102) (see figure 54 for detail breakdown)								1	ALL
	65811	Strut Assembly - Main LG shock RH (BX) (NA No. 78-33102) (see figure 54 for detail breakdown)								1	ALL
	77-33401	Brake Controls Instl (see figure 55 for detail breakdown)								NP	ALL
-48	77-33315	Hinge Assembly - Landing gear fairing front								Ref	
-49	44-33534-2	Fitting - Landing gear lock and hoist								Ref	

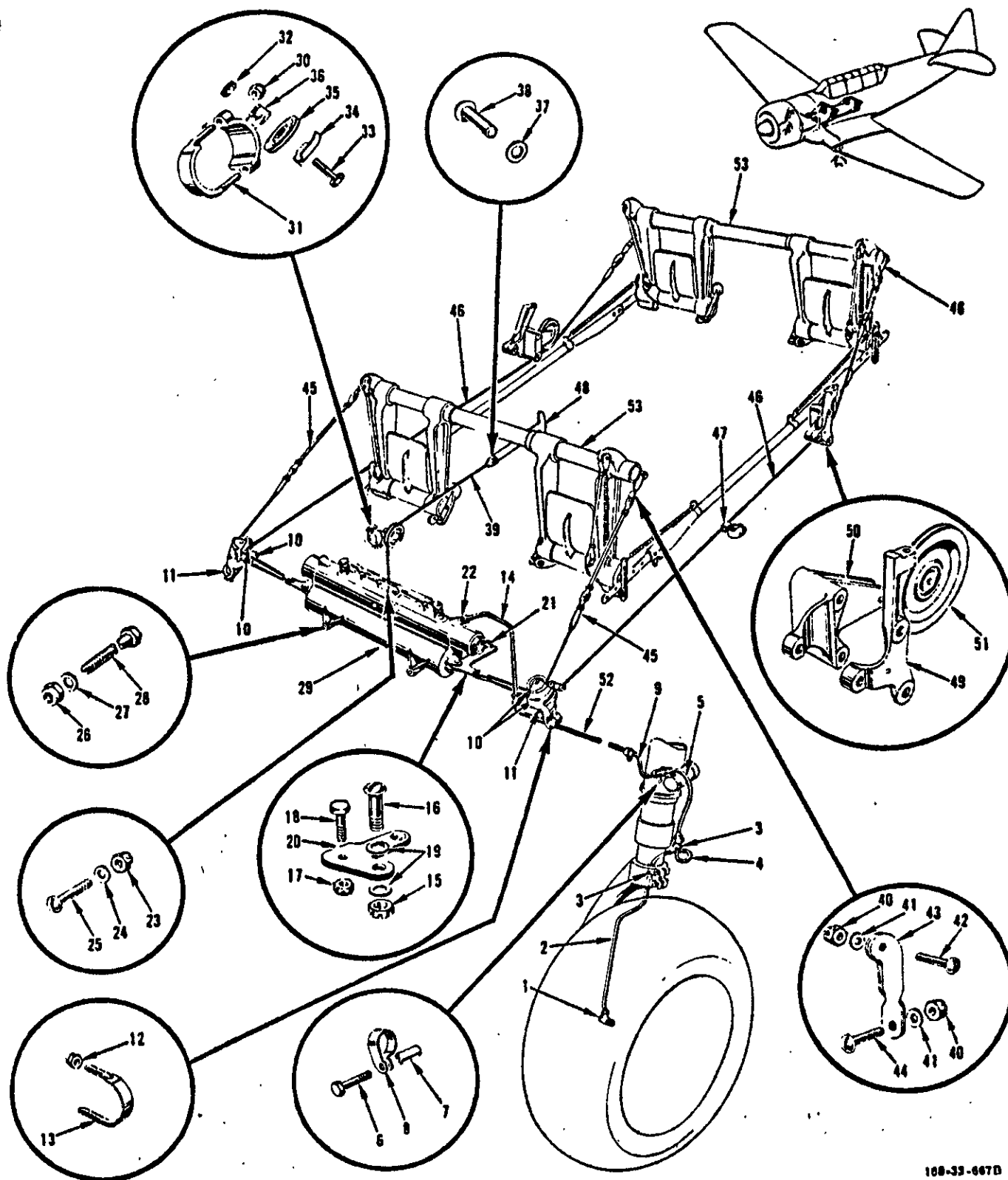


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FIGURE - 54 MAIN LANDING GEAR SHOCK STRUT ASSEMBLIES



FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
ALIGNING GEAR (Cont)											
MAIN LANDING GEAR SHOCK STRUT ASSEMBLIES											
54	65810	Strut Assy - Main landing gear shock LH (BX) (NA Spec. no. 78-33102) (see figure 53 for next assembly)									Ref ALL
	65811	Strut Assy - Main landing gear shock RH (BX) (NA Spec. no. 78-33102) (see figure 53 for next assembly)									Ref ALL
-1	65174	Lug Assy - Landing gear axle and towing LH (BX)									1 ALL
	65175	Lug Assy - Landing gear axle and towing RH (BX)									1 ALL
-2	AN320-8	Nut - Castle shear									1 ALL
-3	65179	Bolt - Landing gear axle jack (BX)									1 ALL
-4	65178	Roller - Landing gear retaining hook (BX)									1 ALL
-5	65176	Lug - Landing gear jack and towing LH									1 ALL
	65177	Lug - Landing gear jack and towing RH									1 ALL
-6	53883	Cylinder and Axle Assy - Lower end fitting inner LH (BX)									1 ALL
	53884	Cylinder and Axle Assy - Lower end fitting inner RH (BX)									1 ALL
-7	AN310-9	Nut - Castellated airframe									1 ALL
-8	AN960-916	Washer - Plain									AR ALL
-9	AN9-30	Bolt - Aircraft 9/16-18									2 ALL
-10	AN320-10	Nut - Castle shear									2 ALL
-11	AN30-70	Bolt - Clevis 5/8-18									1 ALL
-12	AN7502-1	Nut - Wheel bearing retaining									1 ALL
-13	AN7503-1	Washer - Wheel bearing retaining									1 ALL
-14	34A15-2	Retainer - Inner bearing (BX part no. 50430)									1 ALL
	53875	Fork and Axle Assembly - Landing gear shock strut (BX)									1 ALL
-15	AN310-6	Nut - Castellated airframe									1 ALL
-16	AN6-31	Bolt - Aircraft 3/8-24									1 ALL
-17	53862	Fork and Flange Assembly (BX)									1 ALL
	439S3	Axle and Grease Retainer Cup Assembly (BX)									1 ALL
-18	51422	Retainer - Landing wheel stub axle grease (BX)									1 ALL
-19	55475	Axle - Landing wheel									1 ALL
	53863	Inner Cylinder and Metering Pin - LG shock strut (BX)									1 ALL
-20	AN315-6R	Nut - Plain airframe									1 ALL
-21	AN936A616	Washer - Internal teeth lock									1 ALL
-22	53864	Inner Cylinder and Diaphragm Assembly (BX)									1 ALL
-23	40B887-012G102-20	Gasket - Metering pin (BX part no. 53051)									1 ALL
-24	53890	Pin - Metering (BX)									1 ALL
-25	67652	Nut - Bearing (BX)									1 ALL
-26	AN6231-31	Ring - Hydraulic piston rod									1 ALL
-27	67649	Bearing - Lower (BX)									1 ALL
-28	AN6228-42	Ring - Packing outer (BX part no. 66144)									1 ALL
-29	AN6225-42	Packing - "V" Ring hydraulic									5 ALL
-30	66146	Adapter - Packing male (BX)									1 ALL
	53850	Spacer Tube Assembly (BX)									1 ALL
-31	53852	Washer - Bearing (BX)									1 ALL
-32	53851	Tube - Spacer pneudraulic LG shock strut (BX)									1 ALL
-33	54153	Screw - Lock (BX)									2 ALL
-34	53874	Bearing - Upper (BX)									1 ALL
-35	AN310-6	Nut - Castellated airframe									1 ALL
-36	AN6-25	Bolt - Aircraft 3/8-24									1 ALL
-37	53801	Washer - Torsion arm pneudraulic LG shock strut									2 ALL
-38	53878	Bushing - Pneudraulic shock strut (BX)									1 ALL
-39	AN310-8	Nut - Castellated airframe									2 ALL
-40	AN960-816	Washer - Plain									4 ALL
-41	AN8-47	Bolt - Aircraft 1/2-20									2 ALL
-42	286-3	Fitting - Lubricator pressure grip type PT									2 ALL
-43	286-4	Fitting - Lubricator pressure grip type PT									2 ALL
	53879	Link Assembly - Torsion pneudraulic LG shock strut (BX)									1 ALL
-44	53876	Bushing (BX)									2 ALL
-45	53877	Bushing - Pneudraulic shock strut (BX)									2 ALL
-46	53842	Link - Torsion pneudraulic LG shock strut (BX)									2 ALL
-47	53885	Lubricator (BX)									2 ALL
-48	AN813-1	Cap - High pressure air valve									1 ALL
-49	AN809-1	Core - High pressure air valve									1 ALL
-50	AN812-1	Body - High pressure air valve									1 ALL
-51	53272	Plug (BX)									1 ALL
-52	AN901-50	Gasket - Metal tube connection seal									2 ALL
-53	66154	Plate - Instruction									1 ALL
-54	65426	Piston and Snubber Assembly - Outer cylinder LH (BX)									1 ALL
	65427	Piston and Snubber Assembly - Outer cylinder RH (BX)									1 ALL
-55	53856	Screw - Pneudraulic shock strut lock (BX)									1 ALL
-56	53853	Piston - Pneudraulic shock strut (BX)									1 ALL
-57	53854	Insert - Piston pneudraulic shock strut (BX)									1 ALL
-58	53855	Snubber Assembly - Pneudraulic shock strut (BX)									1 ALL
-59	53882	Bushing - Side lug pneudraulic LG shock strut (BX)									1 ALL



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FIGURE 55 - BRAKE CONTROLS

Revised 2 January 1951

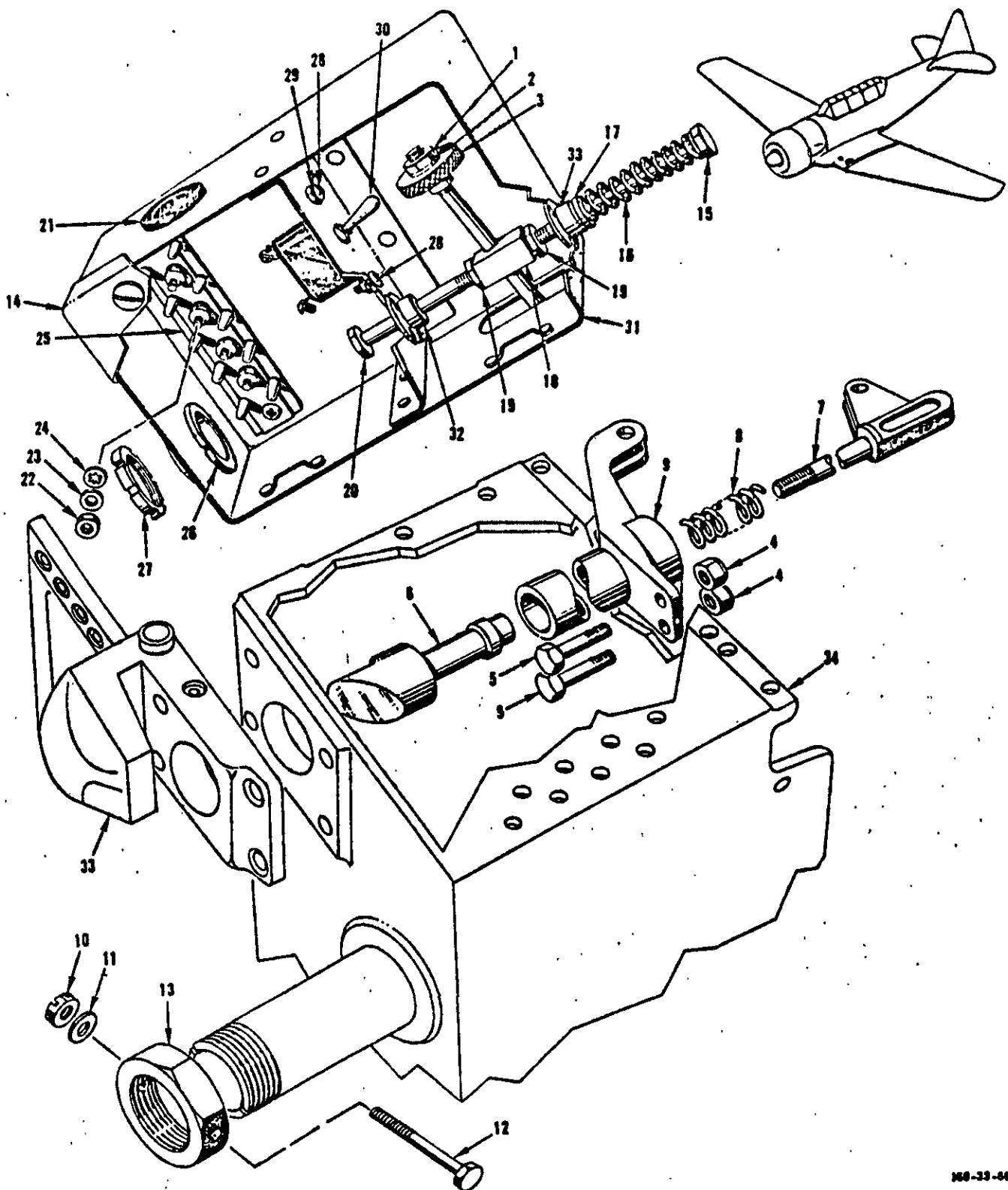
## Group Assembly Parts List

AN 01-60PFA-4

FIGURE & PART NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
ALIGNING OEAR (Cont)											
BRAKE CONTROLS											
55	77-33401	Brake Controls Installation (see figure 53 for next assembly)								NP	ALL
-1	51097	Fitting Assembly (BX)								2	ALL
-2	55-33460	Line Assy - Brake control flexible line to brake left								1	ALL
	55-33461	Line Assy - Brake control flexible line to brake right								1	ALL
-3	55-33454	Clamp - To brake right								2	ALL
-4	1248185	Line - Flexible (BX)								2	ALL
-5	77-33456	Line Assembly - Brake control upper to lower flexible left oleo attaching								1	ALL
	77-33455	Line Assembly - Brake control upper to lower flexible right oleo attaching								1	ALL
-6	AN4H5A	Bolt - Aircraft 1/4-28								2	ALL
-7	4S3-416-6	Spacer - Bolt (NA)								2	ALL
-8	55-33472	Clamp - Landing gear strut brake flexible line LH								1	ALL
	55-33472-1	Clamp - Landing gear strut brake flexible line RH								1	ALL
-9	1248180	Line - Flexible (BX)								2	ALL
-10	AN210-4A	Pulley - Anti-friction bearing control								4	ALL
-11	55-33406	Bracket - Brake cable pulley front LH								1	ALL
	55-33406-1	Bracket - Brake cable pulley front RH								1	ALL
-12	AN365-428	Nut - Self locking 250°P								4	ALL
-13	5B6-14	Bolt - U (NA)								2	ALL
-14	77-33452	Line Assembly - Brake master cylinder to wing union								2	ALL
-15	AN320-4	Nut - Castle shear								2	ALL
-16	AN24-17	Bolt - Clevis 1/4-28								2	ALL
-17	AN310-3	Nut - Castellated airframe								2	ALL
-18	AN3-6	Bolt - Aircraft 10-32								2	ALL
-19	AN960-416	Washer - Plain								4	ALL
-20	55-33468	Link - Brake cable and spring attaching								2	ALL
-21	55-33467	Spring - Brake cylinder external								1	ALL
-22	811GT450-5	Fitting - Solderless								2	ALL
-23	AN320-3	Nut - Castle shear								1	ALL
-24	AN960-10	Washer - Plain								1	ALL
-25	AN23-10	Bolt - Clevis 10-32								1	ALL
-26	AN365-428	Nut - Self locking 250°P								2	ALL
-27	AN960-416	Washer - Plain								2	ALL
-28	AN4-34A	Bolt - Aircraft 1/4-28								2	ALL
-29	25-33402-30	*1	Cylinder Assembly - Master brake (for a list of detail parts refer to AN 03-250BD-3)						1	ALL	
-30	AN365-428	Nut - Self locking 250°P								2	ALL
-31	5B6-20	Bolt - U (NA)								1	ALL
-32	AN310-3	Nut - Castellated airframe								1	ALL
-33	AN3-11	Bolt - Aircraft 10-32								1	ALL
-34	19-53906-3	Guard - 1 1/4 inch diameter pulley								1	ALL
-35	AN210-1A	Pulley - Anti-friction bearing control								1	ALL
-36	36-33404	Bracket - Parking brake control cable pulley								1	ALL
-37	AN960-8	Washer - Plain								1	ALL
-38	PC2891	Pin - Clevis 5/32 x 3/8								1	ALL
-39	77-33450	Cable Assembly - Parking brake								10	ALL
-40	AN320-4	Nut - Castle shear								10	ALL
-41	AN960-416	Washer - Plain								4	ALL
-42	AN24-13	Bolt - Clevis 1/4-28								4	ALL
-43	55-33469	Link - Brake cable turnbuckle attaching								6	ALL
-44	AN24-12	Bolt - Clevis 1/4-28								2	ALL
-45	66-33477	Cable Assy - Front rudder pedal to master brake cylinder								2	ALL
-46	88-33476	Cable Assy - Rear rudder pedal to master brake cylinder								2	ALL
-47	55-33436	Clamp Assy - Fuselage station 3 brake cable fairlead								1	ALL
-48	36-33440	Handle Assembly - Parking brake								1	ALL
-49	55-33434	Bracket - Brake cable pulley rear LH								1	ALL
	55-33434-1	Bracket - Brake cable pulley rear RH								1	ALL
-50	55-52422	Bracket - Fuselage station 4 rudder cable pulley								1	ALL
	55-33435	Clamp - Brake cable pulley right rear bracket								2	ALL
-51	AN210-4A	Pulley - Anti-friction bearing control								1	ALL
-52	77-33454	Line Assy - Brake control left wing union to flexible line								1	ALL
	77-33453	Line Assy - Brake control right wing union to flexible line								1	ALL
-53	168-52403-3	Pedal Assembly - Cockpit rudder complete (front)								Ref	
	168-52403-5	Pedal Assembly - Cockpit rudder complete (rear)								Ref	
*1 Refer to T.O. 1T-60-34											

Section XX  
Group Assembly Parts List

AN 01-GOFFA-4  
ALIGNING GEAR (Cont)

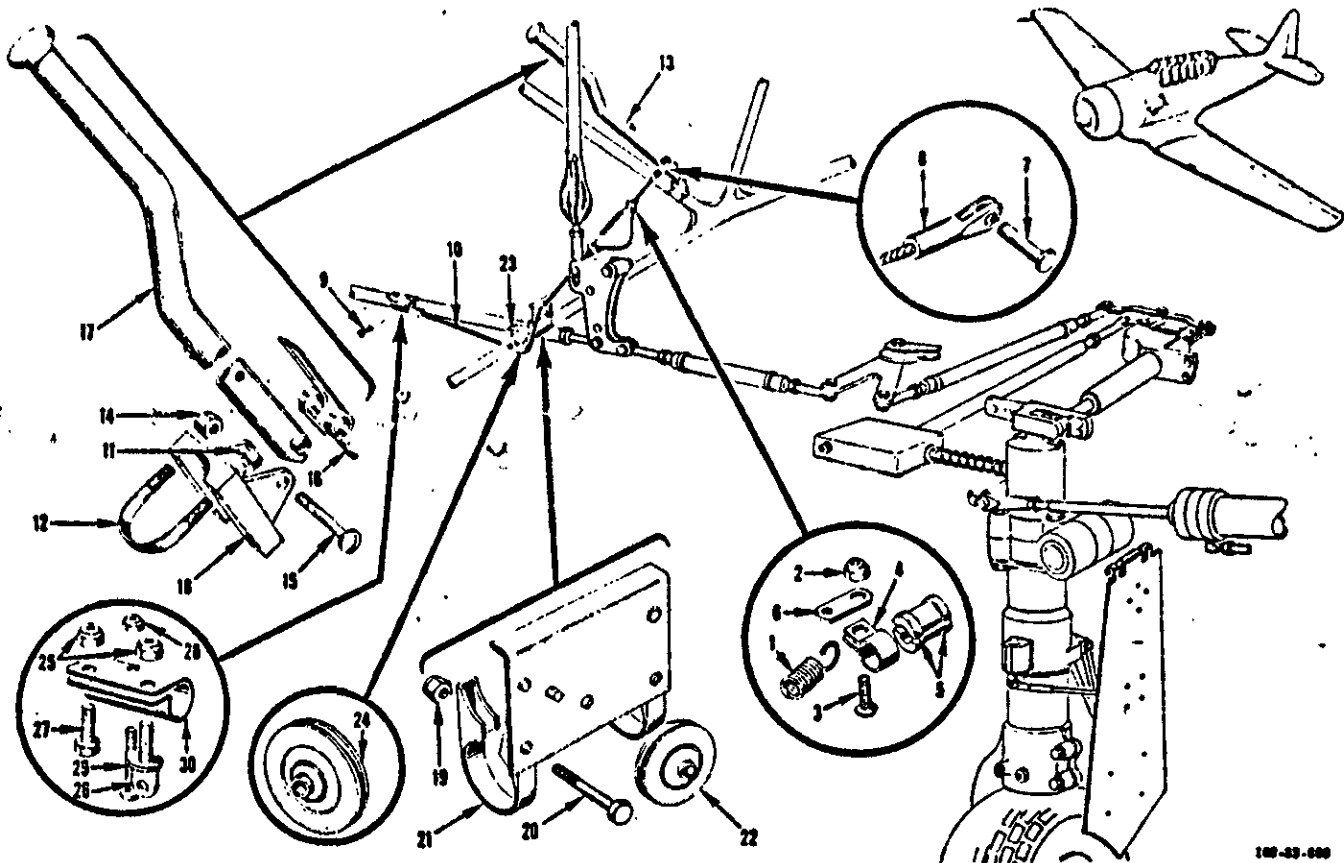


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FIGURE 56 - MAIN LANDING GEAR LOCK EQUIPMENT AND POSITION INDICATOR SWITCH BOX

Revised 2 July 1950

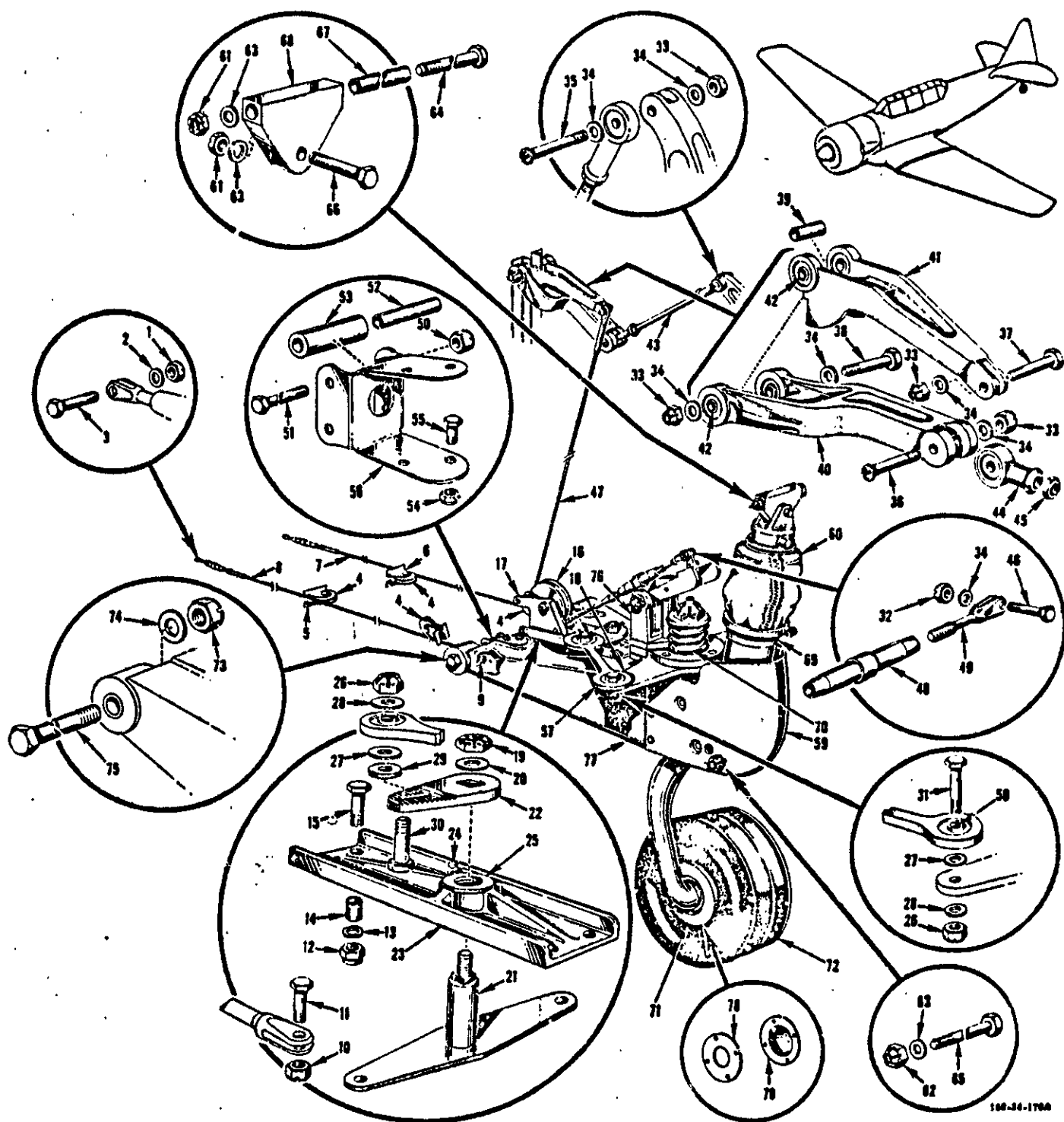
FIGURE A		PART							NOMENCLATURE		UNITS	APPLICATION
INDEX NUMBER		NUMBER									PER ASSY.	CODE
ALIGHTING GEAR (Cont)												
MAIN LANDING GEAR LOCK EQUIPMENT AND POSITION INDICATOR SWITCH BOX												
Main Landing Gear Lock Equipment and Position Indicator Switch Box												
No Number		Main Landing Gear Lock Equipment (see figure 52 for next assembly)									NP	ALL
-1	AN316-4R	Nut - Check									2	ALL
-2	AN935-416L	Washer - Medium spring lock									2	ALL
-3	36-54027	Disc - Landing gear position indicator switch actuating									2	ALL
-4	AN365-428	Nut - Self locking									4	ALL
-5	AN4-11A	Bolt - Aircraft 1/4-28									4	ALL
	55-33504	Pin Assembly - Landing gear lock LH									1	ALL
	55-33504-1	Pin Assembly - Landing gear lock RH									1	ALL
-6	55-33525	Pin - Landing gear lock									1	ALL
-7	36-33541	Rod - Landing gear lock pin push									1	ALL
-8	36-33520	Spring - Landing gear lock pin									1	ALL
-9	55-33513	Support Assembly - Landing gear lock pin mechanism									1	ALL
-10	AN310-3	Nut - Castellated airframe									4	ALL
-11	AN960-10	Washer - Plain									4	ALL
-12	AN3-27	Bolt - Aircraft 10-32									4	ALL
-13	36-33120	Nut - Landing gear pivot pin									4	ALL
	168-54025-1	Box Assy - Electrical alighting gear position indicator switch LH (mod) (see figure 6 for next assembly)									Ref	ALL
	168-54025-2	Box Assy - Electrical alighting gear position indicator switch RH (mod) (see figure 6 for next assembly)									Ref	ALL
-14	84-54058	Cover Assy - Landing gear position indicator switch box LH									1	ALL
	84-54058-1	Cover Assy - Landing gear position indicator switch box RH									1	ALL
-15	AN4-21A	Bolt - Aircraft 1/4-28									1	ALL
-16	36-54032	Spring - Landing gear position indicator switch box									1	ALL
-17	AN960-416	Washer - Plain									1	ALL
-18	36-54033	Guide - Landing gear position indicator switch box									1	ALL
-19	AN316-4R	Nut - Check									2	ALL
-20	AN4-17A	Bolt - Aircraft 1/4-28									1	ALL
-21	AN931-8-13	Grommet - Elastic									1	ALL
-22	AN340-8	Nut - Light hexagon coarse thread									4	ALL
-23	AN960-8	Washer - Plain									4	ALL
-24	AN936A8	Washer - Internal teeth lock									4	ALL
-25	NAS45-8-4	Panel Assembly - Electrical connector									1	ALL
-26	31-1176-3	Clamp - Conduit									1	ALL
-27	31-1177-3	Nut - Conduit									1	ALL
-28	AN515-6R7	Screw - Round head machine coarse thread									2	ALL
-29	AN960-6	Washer - Plain									2	ALL
-30	AN3023-10	Switch - Toggle double pole three hole mounting									1	ALL
-31	168-54026-1	Shield Assembly - Electrical alighting gear position indicator switch LH									1	ALL
	168-54026-2	Shield Assembly - Electrical alighting gear position indicator switch RH									1	ALL
-32	36-54029	Bearing - Landing gear position indicator switch box									1	ALL
-33	44-33534-2	Fitting - Landing gear lock and hoist									Ref	
-34	77-33106	Support Assembly - Landing gear pivot									Ref	



100-33-000

FIGURE 56A - ALIGHTING GEAR EMERGENCY DOWN LOCK

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
ALIGHTING GEAR (Cont)											
ALIGHTING GEAR EMERGENCY DOWN LOCK											
56A	168-33564	*1	Lock Installation - Alighting gear emergency down (see figure 1 for next assembly).							NP	ALL
-1	168-33570	.	.	.	.	.	.	.	Spring - Tension	1	ALL
-2	AN365-1032	.	.	.	.	.	.	.	Nut - Self locking 250°F	2	ALL
-3	AN500-10R8	.	.	.	.	.	.	.	Screw - Machine round head fine thread	2	ALL
-4	AN742-4	.	.	.	.	.	.	.	Clamp - Loop type support	2	ALL
-5	168-33558	.	.	.	.	.	.	.	Bushing - Alighting gear emergency down lock cable	2	ALL
-6	168-33569	.	.	.	.	.	.	.	Link - Alighting gear emergency down lock cable	2	ALL
-7	AN303-11	.	.	.	.	.	.	.	Pin - Flat head 3/16	1	ALL
-8	AN665-21R	.	.	.	.	.	.	.	Terminal - Threaded clevis type tie rod	1	ALL
-9	AN393-9	.	.	.	.	.	.	.	Pin - Flat head 3/16	1	ALL
-10	168-33560	.	.	.	.	.	.	.	Cable Assembly - Alighting gear emergency down lock	1	ALL
-11	AN365-428	.	.	.	.	.	.	.	Nut - Self locking 250°F	4	ALL
-12	5B6-16	.	.	.	.	.	.	.	Bolt - "U" (NA)	2	ALL
-13	168-33563	.	.	.	.	.	.	.	Handle Assy - Alighting gear emergency down lock complete	1	ALL
-14	AN310-4	.	.	.	.	.	.	.	Nut - Castellated airframe	1	ALL
-15	AN24-32	.	.	.	.	.	.	.	Bolt - Clevis 1/4-28	1	ALL
-16	168-33554	.	.	.	.	.	.	.	Spring - Alighting gear emergency down lock handle	1	ALL
-17	168-33557	.	.	.	.	.	.	.	Handle Assembly - Alighting gear emergency down lock	1	ALL
-18	168-33567	.	.	.	.	.	.	.	Support - Alighting gear emergency down lock handle	1	ALL
-19	AN365-1032	.	.	.	.	.	.	.	Nut - Self locking 250°F	2	ALL
-20	AN3-5A	.	.	.	.	.	.	.	Bolt - Aircraft 10-32	2	ALL
-21	168-33562	.	.	.	.	.	.	.	Bracket Assembly - Alighting gear emergency down lock cable upper pulley	1	ALL
-22	AN210-1B	.	.	.	.	.	.	.	Pulley - Anti-friction bearing control	1	ALL
-23	168-33561	.	.	.	.	.	.	.	Bracket Assy - Alighting gear emer down lock lower pulley	1	ALL
-24	AN210-2B	.	.	.	.	.	.	.	Pulley - Anti-friction bearing control	1	ALL
-25	AN365-1032	.	.	.	.	.	.	.	Nut - Self locking 250°F	2	ALL
-26	168-33553	.	.	.	.	.	.	.	Bolt - Alighting gear emergency down lock cable	1	ALL
-27	AN3-4A	.	.	.	.	.	.	.	Bolt - Aircraft 10-32	1	ALL
-28	AN365-632	.	.	.	.	.	.	.	Nut - Self locking 250°F	1	ALL
-29	AN515-6R16	.	.	.	.	.	.	.	Screw - Machine round head coarse thread	1	ALL
-30	168-33552	.	.	.	.	.	.	.	Clip - Alighting gear emer down lock cable supporting	1	ALL



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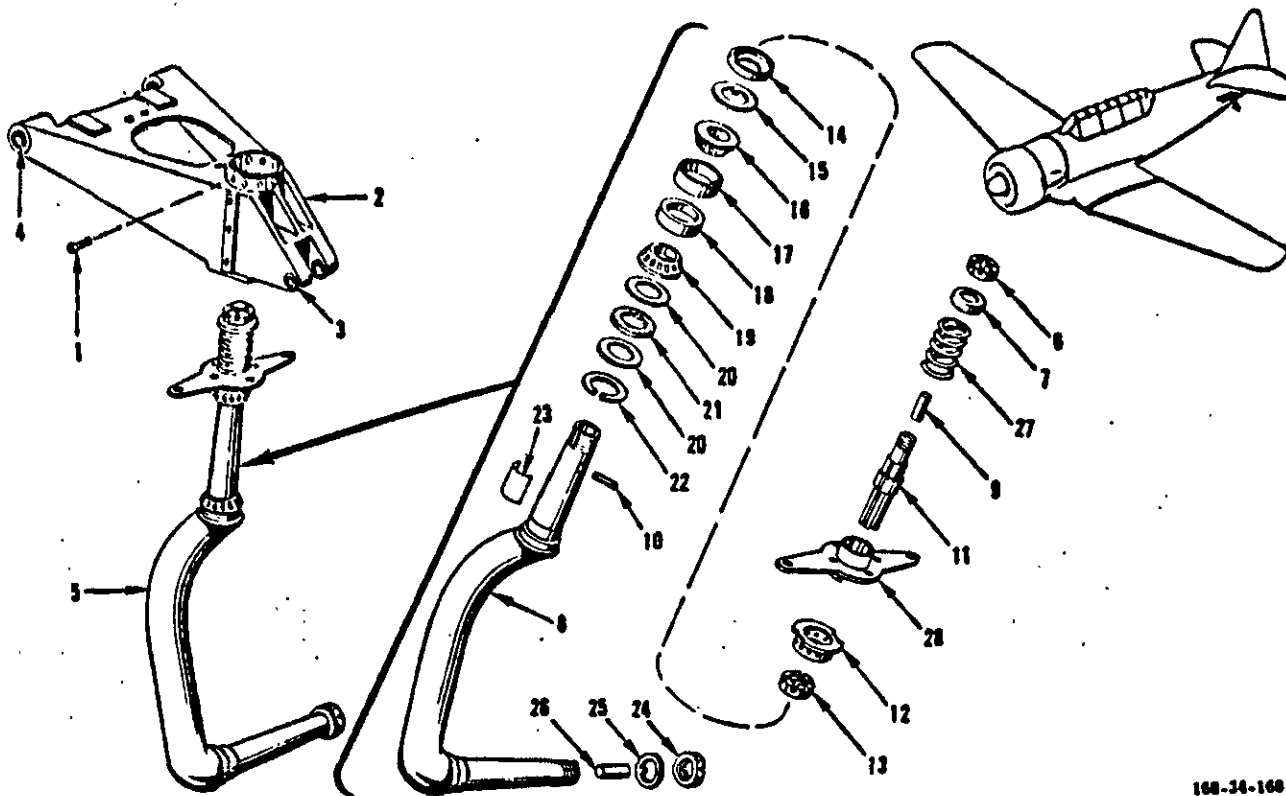
FIGURE 57 - AUXILIARY ALIGHTING GEAR

GROUP & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									ALIGNING GEAR (Cont.) AUXILIARY ALIGNING GEAR		
57	168-34031								Aligning Gear Instl - Auxiliary (mod)(see fig.1 for next assy)	NP	ALL
-1	AN310-4								Nut - Castellated Airframe	2	ALL
-2	AN960D416								Washer - Plain	2	ALL
-3	AN4-7								Bolt - Aircraft 1/4-28	2	ALL
-4	AN210-3A								Pulley - Anti-friction bearing control	4	ALL
-5	88-52474								Guard - Rudder control fus sta 215 5/8 cable pulley LH	1	ALL
-6	88-52474-1								Guard - Rudder control fus sta 215 5/8 cable pulley RH	1	ALL
-7	88-34160-2								Cable Assy - Tail wheel steering control right side	1	ALL
-8	88-34160-3								Cable Assy - Tail wheel steering control left side	1	ALL
-9	NAS2-301								Fitting - Lubrication	2	ALL
-10	AN310-4								Nut - Castellated airframe	2	ALL
-11	AN4-6								Bolt - Aircraft 1/4-28	2	ALL
-12	AN365-432								Nut - Self locking 250°F	2	ALL
-13	AN960D416L								Washer - Plain	2	ALL
-14	NAS44004-8								Spacer - Bolt	2	ALL
-15	AN4-10A								Bolt - Aircraft 1/4-28	2	ALL
-16	AN310-3A								Pulley - Anti-friction bearing control	1	ALL
-17	121-34502								Bracket Assy - Tail wheel disengaging system pulley	1	ALL
-18	88-34160-2								Support Assy - Tail wheel steering linkage	1	ALL
-19	AN320-6								Nut - Castle shear	1	ALL
-20	2W1-34-24-63								Washer - Plain	1	ALL
-21	88-34165-2								Bellcrank Assy - Tail wheel steering linkage lower	1	ALL
-22	88-34160								Bellcrank - Tail wheel steering linkage upper	1	ALL
-23	88-34165								Support Assy - Tail wheel auxiliary steering bellcrank	1	ALL
-24	NAS2-303								Fitting - Lubrication	1	ALL
-25	168-34033								Bearing - Tail wheel steering bellcrank housing	1	ALL
-26	AN310-4								Nut - Castellated airframe	2	ALL
-27	2W1C17-32-62								Washer - Plain	2	ALL
-28	AN960C416L								Washer - Plain	1	ALL
-29	88-34174								Washer - Tail wheel steering linkage upper bellcrank	1	ALL
-30	88-34170								Bolt - Tail wheel steering linkage bellcrank	1	ALL
-31	AN4-12								Bolt - Aircraft 1/4-28	1	ALL
-32	AN320-3								Nut - Castle shear	4	ALL
-33	AN310-3								Nut - Castellated airframe	13	ALL
-34	AN960D10								Washer - Plain	1	ALL
-35	AN23-25								Bolt - Clevis 10-32	1	ALL
-36	AN23-21								Bolt - Clevis 10-32	1	ALL
-37	AN3-7								Bolt - Aircraft 10-32	1	ALL
-38	AN3-26								Bolt - Aircraft 10-32	1	ALL
-39	NAS43C3-36								Spacer - Bolt	1	ALL
-40	121-34503								Bellcrank Assy - Tail wheel disengaging system upper	1	ALL
-41	121-34505								Bellcrank Assy - Tail wheel disengaging system lower	2	ALL
-42	AN200K3L								Bearing - Heavy duty ball	1	ALL
-43	121-34504								Rod Assembly - Tail wheel disengaging system	2	ALL
-44	RE3P4								Rod End (FAP)	2	ALL
-45	AN316-4R								Nut - Check	1	ALL
-46	AN3-6								Bolt - Aircraft 10-32	1	ALL
-47	121-34508								Cable Assembly - Tail wheel disengaging system	1	ALL
-48	AN155-16S								Barrel - Turnbuckle	1	ALL
-49	AN161-16RS								Fork - Turnbuckle	4	ALL
-50	AN310-3								Nut - Castellated airframe	4	ALL
-51	AN3-16								Bolt - Aircraft 10-32	4	ALL
-52	88-34157								Spacer - Tail wheel steering cable front roller	4	ALL
-53	88-34156								Roller - Tail wheel steering control cable front	8	ALL
-54	AN365-1032								Nut - Self locking 250°F	8	ALL
-55	AN3-4A								Bolt - Aircraft 10-32	2	ALL
-56	88-34159								Bracket - Tail wheel steering control wheel cable roller	1	ALL
-57	88-34176								Rod Assembly - Tail wheel bellcrank linkage	2	ALL
-58	AN200K3L								Bearing - Heavy duty ball	1	ALL
-59	88-34013								Pairing Assembly - Tail wheel housing	1	ALL
-60	88-34173								Boot Assembly - Tail wheel shock strut	2	ALL
-61	AN310-6								Nut - Castellated airframe	1	ALL
-62	AN320-6								Nut - Castle shear	4	ALL
-63	AN960-616								Washer - Plain	1	ALL
-64	AN6-27								Bolt - Aircraft 3/8-24	1	ALL
-65	AN6-35								Bolt - Aircraft 3/8-24	1	ALL
-66	AN6-20								Bolt - Aircraft 3/8-24	1	ALL
-67	88-34039								Bushing - Tail wheel oleo strut attaching joint	1	ALL
-68	88-34006								Joint - Tail wheel oleo strut universal	1	ALL
-69	310482								Strut Assy - Tail wheel shock (outline dvg No. 410356) (GPC)	1	ALL
	53895								Strut Assy - Tail wheel shock (BX)	1	ALL
-70	88-34037								Spring - Tail wheel post	1	ALL
-71	JO200M								Wheel - 12 1/2 in. x 4 1/2 in. (FN) (HA D-3-292A or GTR 204A-463M may be substituted)	1	ALL
-72	No Number								Casing - 12 1/2 in. x 4 1/2 in. type 7A (Spec. AN-C-55D)(FN)	1	ALL
	No Number								Tube - 12 1/2 in. x 4 1/2 in. (Spec. AN-T-78) (FN)	2	ALL
-73	AN310-8								Nut - Castellated airframe	2	ALL
-74	2W1-40-44-63								Washer - Plain	2	ALL
-75	AN8-26								Bolt - Aircraft 1/2-20	1	ALL
-76	121-34510								Head Assy - Tail wheel declutching (see fig. 59 for details)	1	ALL
-77	88-34002-50								Post & Housing Assy - 12.5 in. Tail wheel (see figure 58)	1	ALL
	88-34002-60								Post & Housing Assy - 12.5 in. Tail wheel (see figure 58)	1	ALL
-78	168-34035								Cover - Tail wheel inboard dust	1	ALL
-79	168-34036								Cover - Tail wheel outboard dust	1	ALL



Section II  
Group Assembly Parts List

AM 01-60F 4



168-34-168

FIGURE 58 - TAIL WHEEL POST AND HOUSING ASSEMBLY

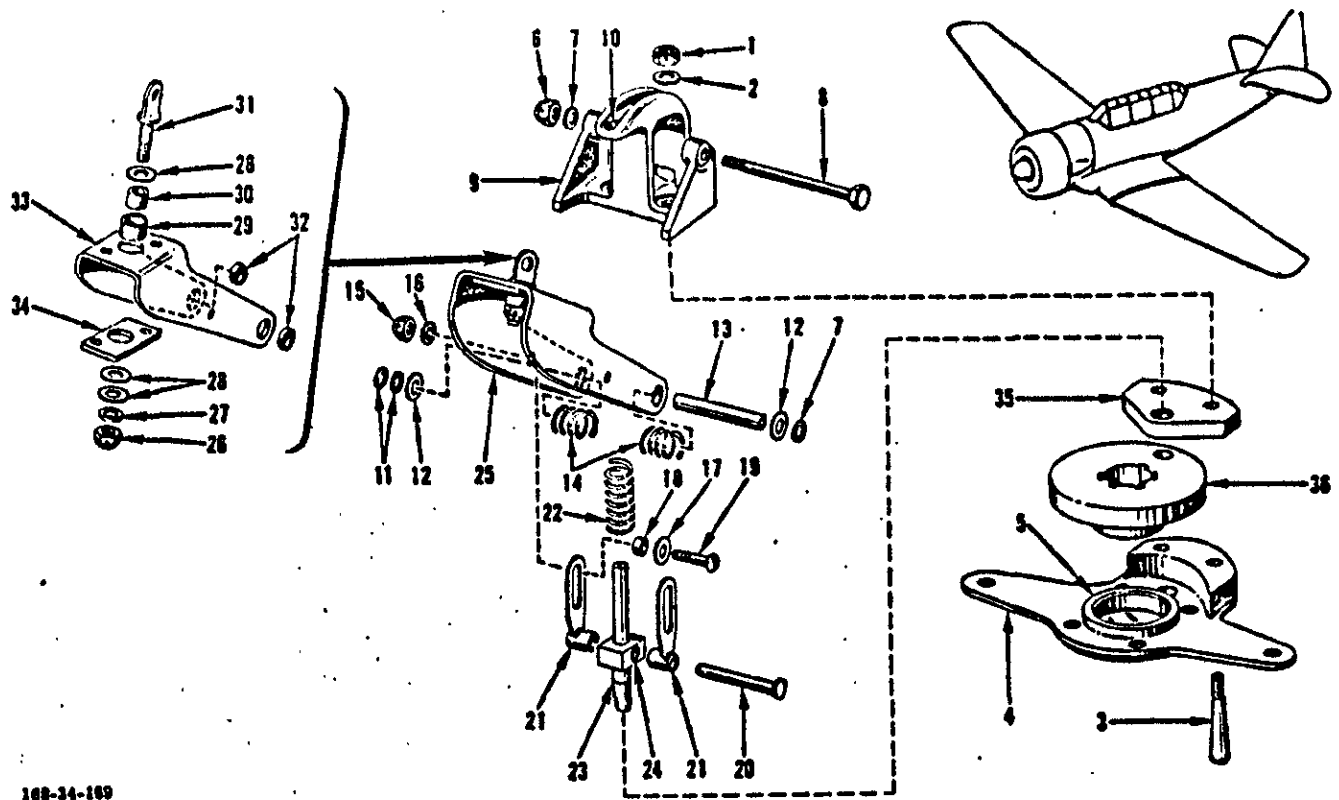
FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
ALIGNING GEAR (Cont)											
TAIL WHEEL POST AND HOUSING ASSEMBLY											
58	88-34002-50	**Post and Housing Assembly - 12.5 In. Tail wheel (see figure 57 for next assembly)								Ref	ALL
	88-34002-60	**Post and Housing Assembly - 12.5 In. Tail wheel (see figure 57 for next assembly)								Ref	ALL
-1	AN502-10-5	Screw - Drilled fillister head machine fine thread								8	ALL
-2	36-34005-4	Housing Assembly - Tail wheel knuckle								1	ALL
	36-34005-6	Housing Assembly - Tail wheel knuckle								1	ALL
	36-34005-8	Housing Assembly - Tail wheel knuckle								1	ALL
-3	484-37	Bushings (NA)								2	ALL
-4	486-36	Bushings (NA)								2	ALL
-5	88-34035-50	** Post Assembly - Tail wheel								1	ALL
	88-34035-60	** Post Assembly - Tail wheel								1	ALL
-6	AN320-12	Nut - Castle shear								1	ALL
-7	88-34027	Washer - Tail wheel post spring retainer								1	ALL
-8	88-34004-2	Knuckle Assembly - 12.5 inches streamline tail wheel								1	ALL
-9	88-34041	Plug - Tail wheel knuckle sealing								1	ALL
-10	88-34040	Pin - Tail wheel knuckle extension								1	ALL
-11	88-34015-2	Extension - 12.5 inch tail wheel knuckle								1	ALL
-12	88-34036	Cap - Tail wheel post support sleeve								1	ALL
-13	88-34025	Nut - Tail wheel knuckle								1	ALL
-14	88-34024	Cup - Tail wheel knuckle grease retaining								1	ALL
-15	88-34023	Washer - Tail wheel post bearing retainer								1	ALL
-16	08125	Cone (TI)								1	ALL
-17	08231	Cup (TI)								1	ALL
-18	19268	Cup (TI) (used on 88-34035-50)								1	ALL
	121-34030	Bushings (used on 88-34035-60)								1	ALL
-19	19150	Cone (TI) (used on 88-34035-50)								1	ALL
	121-34031	Inner Bushing - Tail wheel post assembly								1	ALL
-20	2W1-122-89-44	Washer - Plain (NA)								2	ALL
-21	88-34028	Packing - Tail wheel post								1	ALL
-22	88-34029	Ring - Tail wheel post packing retaining snap								1	ALL
-23	1D57-2	Decal (NA)								1	ALL
-24	88-34034	Nut - Tail wheel axle								1	ALL
-25	88-34031	Washer - Tail wheel bearing retainer								1	ALL
-26	88-34042	Plug - Tail wheel axle sealing								1	ALL
-27	88-34037	Spring - Tail wheel post								Ref	
-28	97-34120	Mast Assembly - 12.5 in. Tail wheel short steering								Ref	

\*NOTE: These parts, as a unit, are interchangeable. For spare post and housing assemblies, procure 168-34902 post and housing assembly.

\*NOTE: These housings differ only in the manner in which holes are drilled.

AN 01-60PPA-4

## Group Assembly Parts List

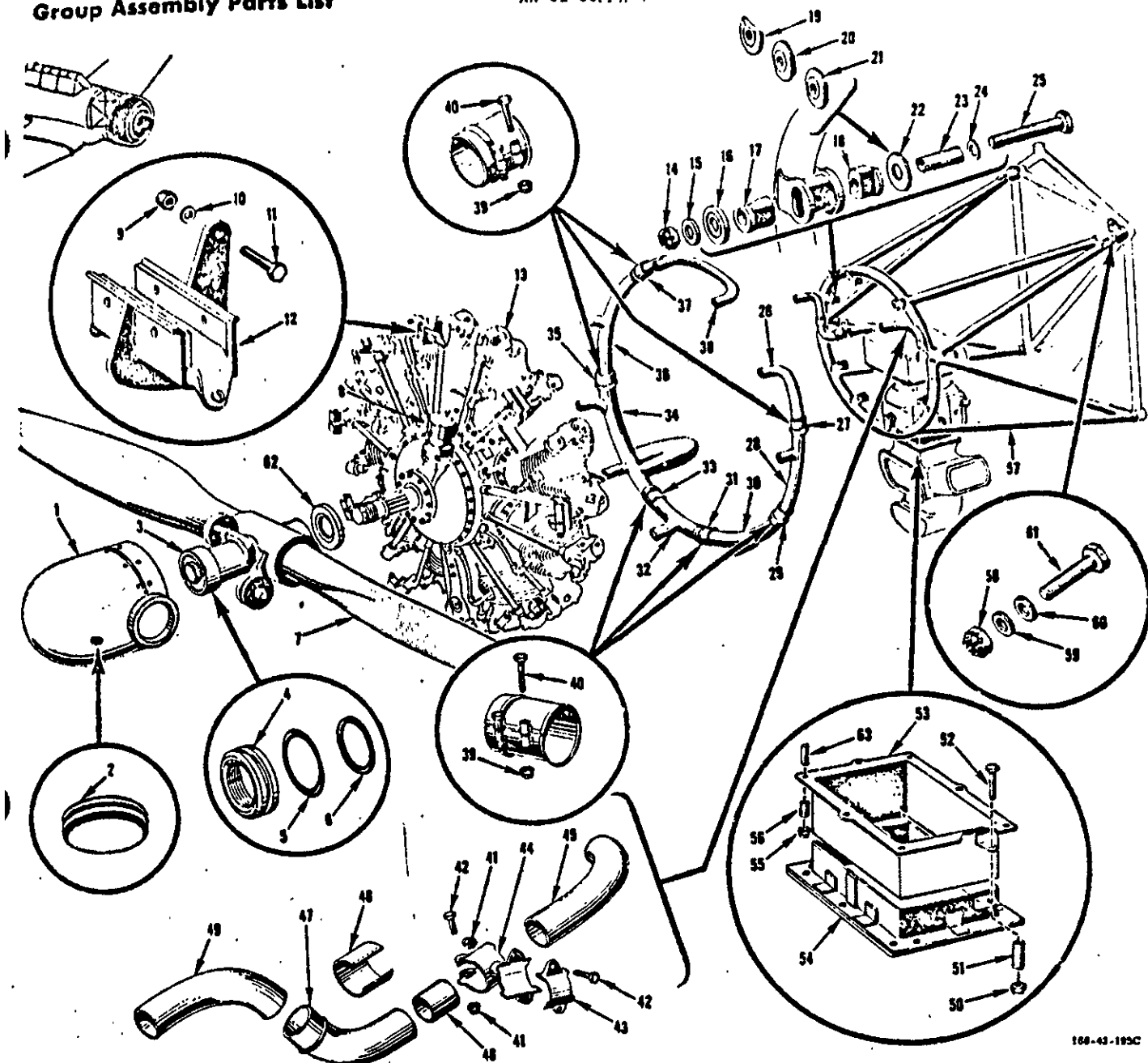


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FIGURE 59 - TAIL WHEEL DECLUTCHING HEAD ASSEMBLY

FIGURE 59 PART NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
									ALIGNING GEAR (Cont)		
									TAIL WHEEL DECLUTCHING HEAD ASSEMBLY		
59	121-34510								Head Assembly - Tail wheel declutching (see figure 57 for next assembly)	Ref	ALL
-1	AN320-3								• Nut - Castle shear	2	ALL
-2	AN975-3								• Washer - Taper pin	2	ALL
-3	AN386-2-9								• Pin - Threaded taper	2	ALL
-4	97-34120								• Mast Assembly - Tail wheel steering	1	ALL
-5	97-34121								• Bearing - Tail wheel steering mast	1	ALL
-6	AN310-3								• Nut - Castellated airframe	1	ALL
-7	AN960D10								• Washer - Plain	2	ALL
-8	AN3-27								• Bolt - Aircraft 10-32	1	ALL
-9	121-34511								• Retainer Assembly - Tail wheel spindle lock pin	1	ALL
-10	121-34512								• Bearing - Tail wheel spindle lock pin retainer	1	ALL
-11	AN960D10L								• Washer - Plain	2	ALL
-12	2W1AL13-18-32								• Washer - Plain (NA)	2	ALL
-13	4B21S3-124								• Bushing - Spacer (NA)	1	ALL
-14	121-34513								• Spring - Tail wheel declutching bellcrank return	1	ALL
-15	AN320-3								• Nut - Castle shear	2	ALL
-16	AN960D10								• Washer - Plain	2	ALL
-17	AN960D10L								• Washer - Plain	2	ALL
-18	2W1AL13-18-32								• Washer - Plain (NA)	2	ALL
-19	4B16CP3-4								• Bearing - Sintered oil impregnated (NA)	2	ALL
-20	AN23-10								• Bolt - Clevite 10-32	2	ALL
-21	AN393-49								• Pin - Flat head 3/16	1	ALL
-22	121-34506								• Link Assembly - Tail wheel declutching	2	ALL
-23	97-34124								• Spring - Tail wheel spindle lock pin impeller	1	ALL
-24	97-34123								• Pin Assembly - Tail wheel spindle lock	1	ALL
-25	A313-2								• Bushing - Oilite (CC)	1	ALL
-26	121-34507								• Bellcrank Assembly - Tail wheel declutching	1	ALL
-27	AN310-4								• Nut - Castellated airframe	1	ALL
-28	AN960-416								• Washer - Plain	1	ALL
-29	2W1-16-20-32								• Washer - Plain (NA)	3	ALL
-30	4B16CP6-11								• Bearing - Sintered oil impregnated (NA)	1	ALL
-31	4B19S4-012								• Bushing - Press fit plain (NA)	1	ALL
-32	AN43-7								• Bolt - 1/4-28 for 3/16 pin eye	1	ALL
-33	4B16CP5-4								• Bearing - Sintered oil impregnated (NA)	2	ALL
-34	121-34507-3								• Bellcrank - Tail wheel declutching	1	ALL
-35	121-34507-5								• Plate - Tail wheel declutching bellcrank	1	ALL
-36	97-34173								• Housing - Tail wheel spindle lock pin	1	ALL
-37	121-34007								• Plate - Tail wheel spindle to mast locking	1	ALL

Revised 3 July 1950



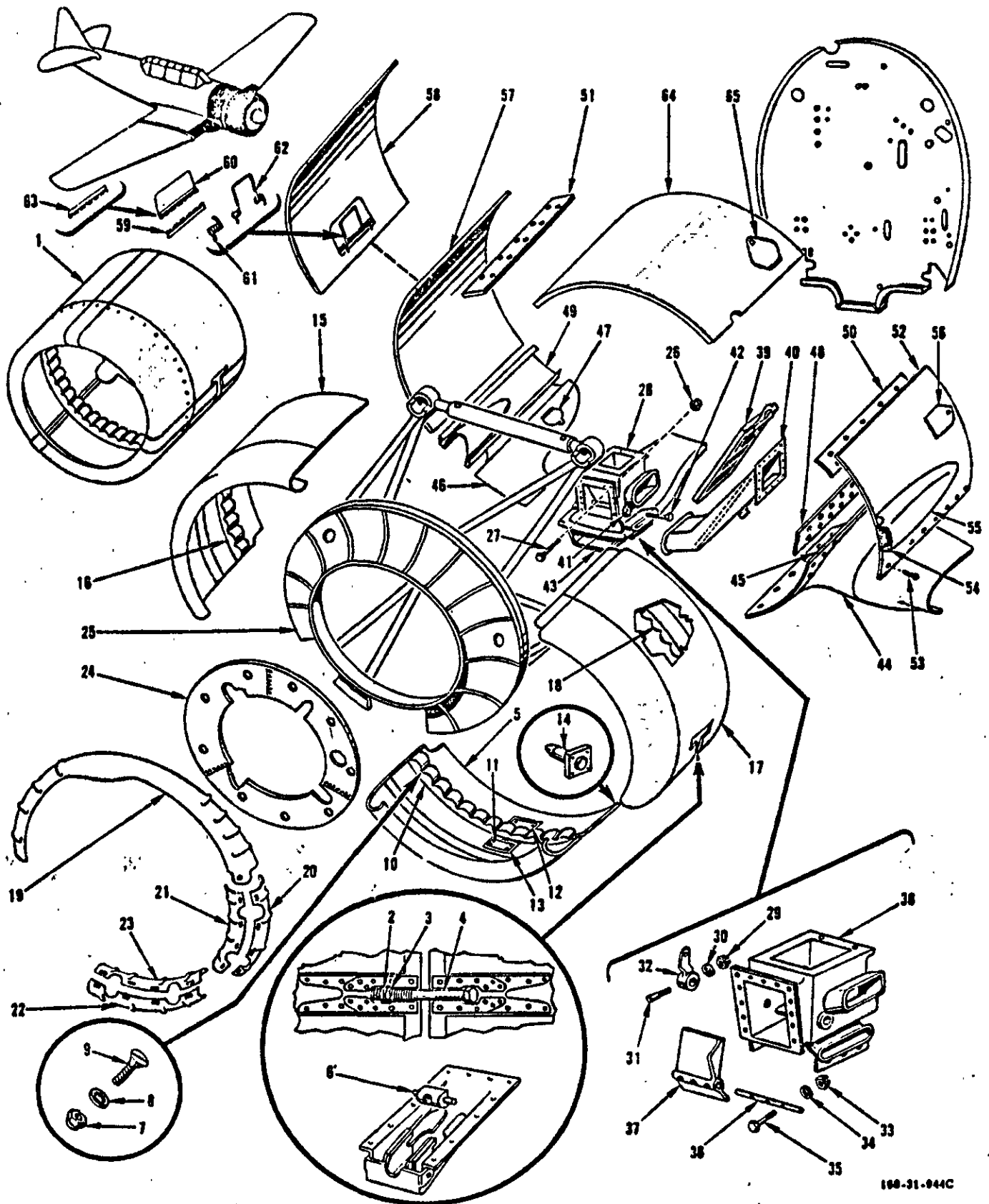
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FIGURE 60 - POWER PLANT

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
POWER PLANT AND ENGINE SECTION POWER PLANT											
60	168-40040	Power Plant Instl (mod) (see figure 1 for next assembly)								NP	ALL
	168-31540	• Engine Cowling Instl (mod) (see fig. 61 for detail breakdown)								NP	ALL
	168-47040	• Oil System Instl (mod) (see fig. 62 for detail breakdown)								NP	ALL
	168-48001	• Tanks Instl - Fuel sys (mod) (see fig. 65 for detail breakdown)								NP	ALL
	168-45001	• Starting Sys Instl (mod) (see fig. 64 for detail breakdown)								NP	ALL
-1	168-44002	*1	• Spinner Assy - Prop (mod) (altered from GPP part 42J15621) (for a list of detail parts refer to T.O. 03-20CB7)							1	ALL
-2	168-44008	*1	• Grommet - Propeller spinner							2	ALL
-3	168-44004		• Hub Assy - Prop. (mod) (altered from HS part No. 12D40) (GPP) (for a list of detail parts refer to T.O. 03-20CB2)							1	ALL
-4	168-44005		• Nut - Propeller piston oil seal (168-44005-5, -10, -15 and -20 are alternates to be determined by size of propeller shaft)							1	A1-C60, H51-
	78197		• Nut - Propeller piston oil seal (78197-5, 78197-10 and 78197-15 are alternates to be determined by size of propeller shaft (HS))							1	C61-H50
-5	168-44010		• Packing - Propeller hub assembly "O" ring (supersedes AN6227-49)							1	A1-C60, H51-
	78198		• Packing - Propeller piston oil seal (HS)							1	C61-H50
-6	AN700-64		• Gasket - Copper asbestos annular							1	A1-C60, H51-
	50286		• Gasket - Propeller piston oil seal (HS)							1	C61-H50

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
POWER PLANT AND ENGINE SECTION (Cont)											
POWER PLANT (Cont)											
60-7	168-44007	Blade Assy - Propeller (mod) (altered from HS part No. 6101A12) (GPP) (for a list of detail parts refer to T. O. 03-20CB-2)								2	A1-C46
	6101A12	Blade Assembly (HS)								2	C47-Z
	6101A13	Blade Assembly (HS)								2	C47-Z
	6101A14	Blade Assembly (HS)								2	C47-Z
-8	IM12A	Constant Speed Propeller Unit (HS) (GPP) (for a list of detail parts refer to T. O. 03-20CA-4)								1	ALL
ATTACHING PARTS											
	46A1135-524	Nut - Self locking stainless steel 51 16-24								4	ALL
-9	AN365-428	Nut - Self locking 250°F								18	ALL
-10	AN960-416	Washer - Plain								18	ALL
-11	AN4-7A	Bolt - Aircraft 1/4-28								18	ALL
-12	36-31055-4	Lug Assembly - Engine ring cowl support								9	ALL
-13	R1340ANI	Engine (GPP) (for a list of detail parts refer to T.O. 02A-10DC-4B)								1	ALL
ATTACHING PARTS											
-14	AN310-7	Nut - Castellated airframe								8	ALL
	AN320-7	Nut - Castle shear (used between cylinder 1 and 2)								1	ALL
-15	AN960-716	Washer - Plain								9	ALL
-16	2W3	Washer - Engine mount (NA)								9	ALL
-17	4G2-2	Cushion - Vibration absorber (NA)								9	ALL
-18	36-31912	Cushion - Engine mount vibration absorber (used between cylinders No. 1 and 2)								1	ALL
	4G2-2	Cushion - Vibration absorber (NA)								8	ALL
-19	55-31911	Washer - Engine mount vibration absorber right (used between cylinders 1 and 2)								1	ALL
-20	55-31916	Washer - Engine mount vibration absorber (used between cylinders 2 and 3)								1	ALL
-21	55-31919	Washer - Eng mount vibration absorber (used between cyl 1 & 9)								1	ALL
-22	2W3	Washer - Engine mount (NA)								6	ALL
-23	25-31912	Spacer - Engine mount vibration absorber								9	ALL
-24	AN960-716	Washer - Plain								9	ALL
-25	AN7-57	Bolt - Aircraft 7/16-20 (magnetic inspected)								8	ALL
	49-42006	Bolt - Engine mounting clevis special (magnetic inspected) (used between cylinders 1 and 2)								1	ALL
-26	168-42005	Manifold Assembly - Engine exhaust (modification)								1	ALL
-27	88-42005-7	Weld Assembly - Engine exhaust manifold								1	ALL
-28	88-42005-6	Clamp Assembly - Engine exhaust manifold								1	ALL
-29	88-42005-13	Weld Assembly - Engine exhaust manifold								1	ALL
-30	88-42005-5	Clamp Assembly - Engine exhaust manifold								1	ALL
-31	88-42005-12	Weld Assembly - Engine exhaust manifold								1	ALL
-32	88-42005-3	Clamp Assembly - Engine exhaust manifold								1	ALL
-33	88-42005-11	Weld Assembly - Engine exhaust manifold								1	ALL
-34	88-42005-4	Clamp Assembly - Engine exhaust manifold								1	ALL
-35	88-42005-8	Weld Assembly - Engine exhaust manifold								1	ALL
-36	88-42005-3	Clamp Assembly - Engine exhaust manifold								1	ALL
-37	88-42005-10	Weld Assembly - Engine exhaust manifold								1	ALL
-38	88-42005-2	Clamp Assembly - Engine exhaust manifold								1	ALL
-39	88-42005-9	Weld Assembly - Engine exhaust manifold								1	ALL
-40	1N104	Nut - Aircraft castle (NA)								12	ALL
-41	AN4-14	Bolt - Aircraft 1/4-28								12	ALL
-42	AN365-1032	Nut - Self locking 250°F								6	ALL
-43	AN4-13A	Bolt - Aircraft 10-32								6	ALL
-44	AN740T74F	Clamp - Tube								2	ALL
	55-42050	Bracket Assy - Magneto cooling tube left support								1	ALL
	55-42051	Bracket Assy - Magneto cooling tube right support								1	ALL
-45	55-42083	Tube - Magneto cooling rear LH and RH								2	ALL
-46	3H2-24-16	Hose (NA)								2	ALL
-47	55-42082	Tube - Magneto cooling intermediate LH and RH								2	ALL
-48	55-42084	Sleeve - Magneto cooling intermediate tube								2	ALL
-49	55-42052	Tube - Magneto cooling front LH and RH								2	ALL
-50	AN310-3	Nut - Castellated airframe								2	ALL
-51	55-42034	Spring - Mixing chamber to carburetor duct								2	ALL
-52	AN3-20	Bolt - Aircraft 10-32								2	ALL
-53	88-42073	Duct Assy - Mixing chamber to carburetor upper air								1	ALL
-54	88-42074	Duct Assy - Mixing chamber to carburetor lower air								1	ALL
-55	AN365-524	Nut - Self locking 250°F								8	ALL
-56	4S3-516-8	Spacer - Bolt (NA)								8	ALL
-57	168-31901	Mount Assembly - Engine (modification)								1	ALL
-58	AN310-8	Nut - Castellated airframe								4	ALL
-59	AN960-816	Washer - Plain								4	ALL
-60	4B19-8-6	Bushing - Press fit plain (NA)								4	ALL
-61	AN8-13	Bolt - Aircraft 1/2-20								4	ALL
-62	168-44009	Spacer - Propeller spinner								1	A51-A85
-63	No Number	Carburetor Stud Bolt (Furnished with MAY9E1 Carburetor)								Ref	

\* Alternate and interchangeable assemblies when used in pairs.  
 \*1 Superseded by 42J15621 (GPAE)



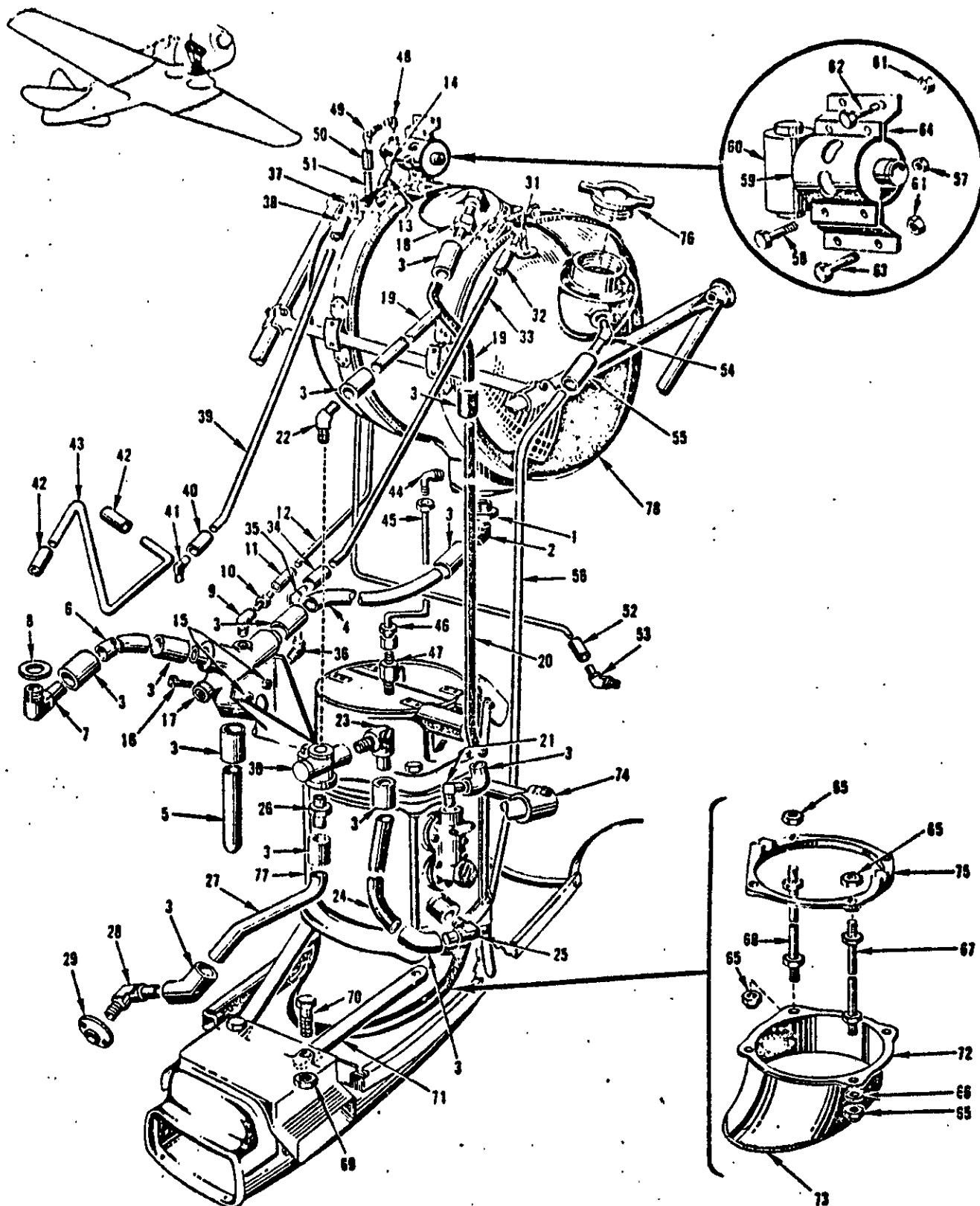
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FIGURE 61 - ENGINE COWLING

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
POWER PLANT AND ENGINE SECTION (Cont)											
ENGINE COWLING											
61	168-31540	Cowling Instd - Engine (mod) (see fig. 60 for next assy) . . . .									NP ALL
-1	168-31502	Cowling Assembly - Engine ring (modification) . . . .									1 ALL
-2	AN316-6R	Nut - Check . . . .									3 ALL
-3	AN315-6R	Nut - Plain airframe . . . .									3 ALL
-4	19-31013	Bolt - Engine ring cowling special . . . .									3 ALL
-5	88-31002-17	Cowling Assembly - Lower . . . .									1 ALL
-6	15-31004	Trunnion - Engine ring cowling fastener . . . .									2 ALL
-7	AN365-832	Nut - Self locking 250°P . . . .									9 ALL
-8	AN960-8	Washer - Plain . . . .									9 ALL
-9	NAS220-14	Screw - Brazier head Phillips recess alloy steel 8-32 . . . .									9 ALL
-10	3P1-12-8-214	Pad - Scrap (NA) . . . .									1 ALL
-11	AN507-832R7	Screw - 100° Flat head machine coarse thread . . . .									8 ALL
-12	78-310161	Door - Fuselage engine cowl oil drain plug rear access . . . .									1 ALL
-13	78-310163	Door - Fus engine ring cowl drain plug front access . . . .									1 ALL
-14	52-31042	Pin Assembly - Engine ring cowling stop . . . .									1 ALL
-15	88-31002-18	Cowling Assembly - Engine ring upper RH . . . .									1 ALL
-16	3P1-12-8-214	Pad - Strap (NA) . . . .									1 ALL
-17	88-31002-19	Cowling Assembly - Engine ring upper LH . . . .									1 ALL
-18	3P1-12-8-214	Pad - Strap (NA) . . . .									1 ALL
-19	88-31158	Cowling Assembly - Engine removable nose . . . .									1 ALL
-20	55-42045	Muff Assy - Exhaust collector carburetor hot air outer left . . . .									1 ALL
-21	55-42049	Muff Assy - Engine collector carburetor hot air outlet . . . .									1 ALL
-22	88-42046	Muff Assy - Exhaust collector carburetor hot air lower outer . . . .									1 ALL
-23	88-42057	Muff Assy - Exhaust collector carburetor hot air inner lower . . . .									1 ALL
-24	168-31006	Baffle Assembly - Engine assembly (modification) . . . .									1 ALL
-25	168-31028	Ring Assembly - Engine fixed cowling (modification) . . . .									1 ALL
-26	AN365-1032	Nut - Self locking 250°P . . . .									21 ALL
-27	AN3-4A	Bolt - Aircraft 10-32 . . . .									21 ALL
-28	66-42003	Chamber Assembly - Carburetor air mixing complete . . . .									1 ALL
-29	AN320-3	Nut - Castle shear . . . .									1 ALL
-30	AN975-3	Washer - Taper pin . . . .									1 ALL
-31	AN386-1-7	Pin - Threaded taper . . . .									1 ALL
-32	55-42032	Bellcrank - Hot and cold air gage control . . . .									1 ALL
-33	AN310-3	Nut - Castellated airframe . . . .									3 ALL
-34	AN960-10	Washer - Plain . . . .									3 ALL
-35	AN3-12	Bolt - Aircraft 10-32 . . . .									3 ALL
-36	66-42012	Shaft - Carburetor air mixing chamber . . . .									1 ALL
-37	55-42008	Gate - Carburetor air mixing chamber hot & cold shut-off . . . .									1 ALL
-38	66-42004	Chamber Assembly - Carburetor air mixing compartment . . . .									1 ALL
-39	88-42098	Filter Assembly - Carburetor air . . . .									1 ALL
-40	168-42100	Duct Assembly - Carburetor cold air compartment (mod) . . . .									1 ALL
-41	AN365-1032	Nut - Self locking 250°P . . . .									6 ALL
-42	AN3-5A	Bolt - Aircraft 10-32 . . . .									6 ALL
-43	168-31504	Cowling Assembly - Engine removable lower (modification) . . . .									1 ALL
-44	88-31066	Cowling Assembly - Engine removable lower LH . . . .									1 ALL
-45	88-31081	Cowling Assembly - Engine removable lower inboard . . . .									1 ALL
-46	66-31072	Door Assembly - Engine removable lower inboard cowl . . . .									1 ALL
-47	88-31066-1	Cowling Assembly - Engine removable lower RH . . . .									1 ALL
-48	88-31081-1	Cowling Assembly - Engine removable lower inboard RH . . . .									1 ALL
-49	88-31084	Door Assembly - Engine removable right hand cowl . . . .									1 ALL
-50	168-31510	Former Assembly - Engine cowling support lower LH . . . .									1 ALL
-51	168-31511	Former Assembly - Engine cowling support lower RH (mod) . . . .									1 ALL
-52	77-31090	Former Assembly - Engine removable cowl upper left side . . . .									1 ALL
-53	55-31090-5	Former Assembly - Engine removable cowling upper right side . . . .									1 ALL
-54	88-31027	Cowling Assembly - Engine removable carburetor air scoop . . . .									1 ALL
-55	AN520-10-8	Screw - Round head machine fine thread . . . .									5 ALL
-56	55-42019	Screen Assembly - Carburetor air scoop . . . .									1 ALL
-57	55-31003	Scoop - Engine removable cowling carburetor air . . . .									1 ALL
-58	88-310173	Door Assy - Engine removable side cowling starter access . . . .									1 ALL
-59	88-31028	Cowling Assembly - Engine removable upper right . . . .									1 A1-A50
-60	168-31030	Cowling Assembly - Engine removable upper right (mod) . . . .									1 A51-B55
-61	168-31030-10	Cowling Assembly - Engine removable upper right (mod) . . . .									1 B56-Z
-62	168-31031	Hinge - Engine upper right removable cowl battery disconnect access door half . . . .									1 A51-Z
-63	168-31032	Door Assembly - Engine upper right removable cowl battery disconnect access . . . .									1 ALL
-64	165-318142-1	Spring - Cockpit enclosure canopy aft fairing cover retaining (battery disconnect access) . . . .									4 ALL
-65	168-31033	Spring - Battery disconnect access door . . . .									1 B56-Z
-66	168-31031	Hinge - Engine upper right removable cowl battery disconnect access door half . . . .									1 A51-Z
-67	168-31503	Cowling Assembly - Engine removable top (modification) . . . .									1 ALL
-68	36-31088	Door Assembly - Removable cowling oil filler cap access . . . .									1 ALL

\* NOTE: For the procurement of spare engine ring upper RH cowling assembly, order 168-31902-18.

\*\* NOTE: For the procurement of spare engine cowling removable lower, order 168-31505.

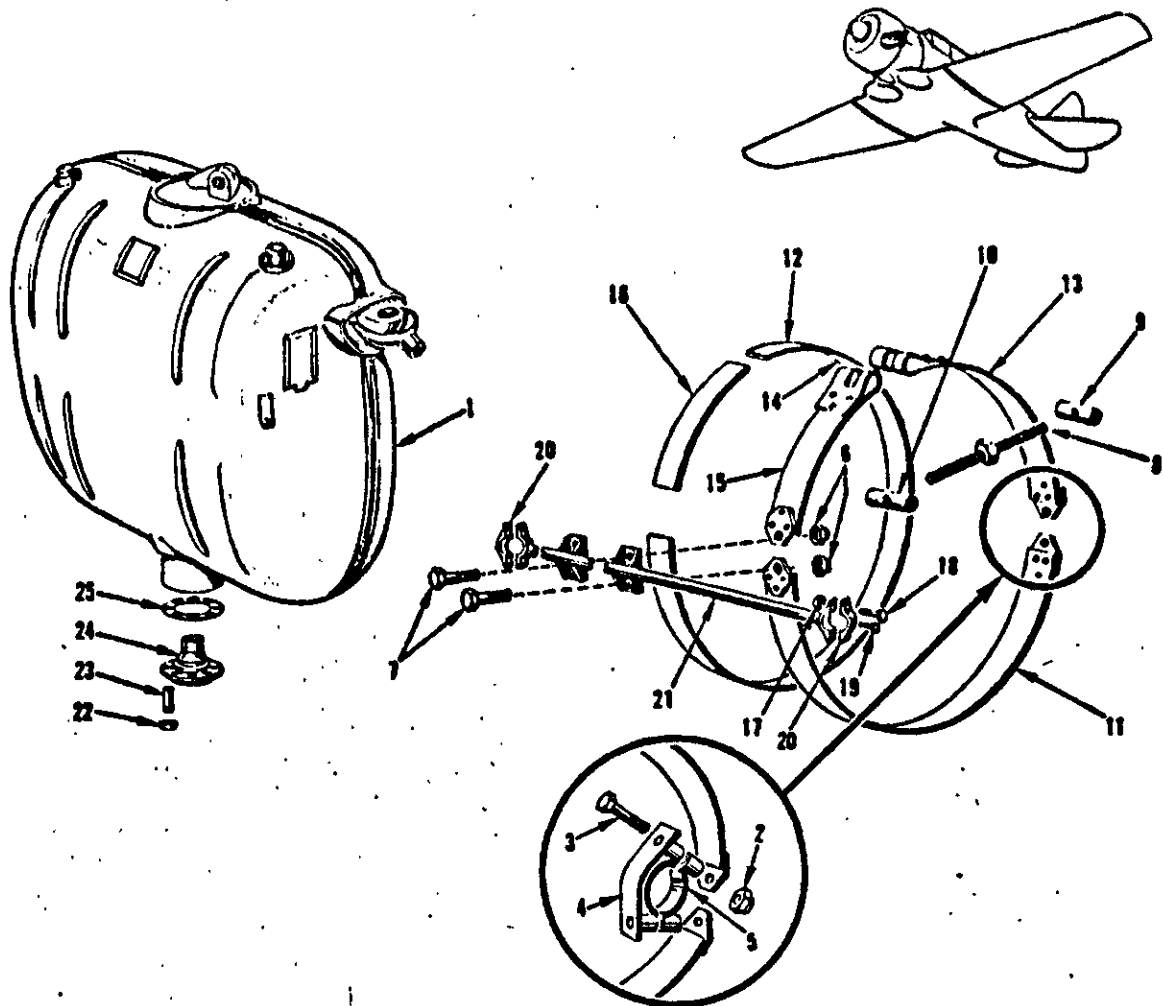


168-47-22a

FIGURE - 62 OIL SYSTEM

FIGURE & PART NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
POWER PLANT AND ENGINE SECTION (Cont)											
OIL SYSTEM											
62	168-47010	Oil System Instl (mod) (see figure 60 for next assembly)									NP ALL
-1	AN212-13	Bushing - Reducer									1 ALL
-2	AN243-15	Elbow - Pipe thread and hose									1 ALL
-3	3H2-16-15	Hose (NA)									13 ALL
-4	88-47813	Line - Oil tank to drain valve									1 ALL
-5	88-47809	Line - Oil drain									1 ALL
-6	88-47814	Line - Oil engine to drain valve									1 ALL
-7	AN842-16	Elbow - Pipe thread and hose 90°									1 ALL
-8	58-47023	Flange - Oil outlet									1 ALL
-9	AN914-1	Elbow - Internal and external pipe thread 90°									1 ALL
-10	AN840-4	Adapter - Hose to pipe thread									1 ALL
-11	3H2-4-13	Hose (NA)									1 ALL
-12	168-47801-7	Line - Oil dilution solenoid to "Y" drain									1 ALL
-13	3H2-4-13	Hose (NA)									1 ALL
-14	AN844-4	Elbow - Pipe thread and hose									1 ALL
-15	AN365-1032	Nut - Self locking 250°F									2 ALL
-16	AN3-17A	Bolt - Aircraft 10-32									2 ALL
-17	41D10687-4	Cock Assembly									1 ALL
-18	AN840-16	Adapter - Hose to pipe thread									1 ALL
-19	88-47806	Line Assembly - Oil tank in "Y"									1 ALL
-20	88-47805	Line - Oil cooler to tank									1 ALL
-21	AN844-16	Elbow - Pipe thread and hose 45°									1 ALL
-22	AN844-17	Elbow - Pipe thread and hose 45°									1 ALL
-23	AN842-17	Elbow - Pipe thread and hose 90°									1 ALL
-24	88-47807	Line - Surge valve to cooler oil									1 ALL
-25	AN842-16	Elbow - Pipe thread and hose 90°									1 ALL
-26	AN840-17	Adapter - Hose to pipe thread									1 ALL
-27	88-47808	Line - Engine to surge valve oil									1 ALL
-28	AN844-16	Elbow - Pipe thread and hose 45°									1 ALL
-29	58-47023	Flange - Oil outlet									1 ALL
-30	U4400-1	Valve Assembly - Surge (UA)									1 ALL
-31	AN842-8	Elbow - Pipe thread and hose 90°									1 ALL
-32	3H2-8-13	Hose (NA)									1 ALL
-33	88-47810	Line - Oil engine to oil tank left vent									1 ALL
-34	3H2-8-13	Hose (NA)									1 ALL
-35	AN844-8	Elbow - Pipe thread and hose 45°									1 ALL
-36	AN915-3	Elbow - Internal and external pipe thread 45°									1 ALL
-37	AN842-8	Elbow - Pipe thread and hose 90°									1 ALL
-38	3H2-8-13	Hose (NA)									1 ALL
-39	88-47811	Line - Oil engine to oil tank right vent									1 ALL
-40	3H2-8-13	Hose (NA)									1 ALL
-41	AN847-8	Elbow - Pipe thread and hose 90°									1 ALL
-42	3H2-12-14	Hose (NA)									2 ALL
-43	88-42801	Line - Oil tank to drain valve									1 ALL
-44	811076	Fitting - Solderless									1 ALL
-45	168-47801-5	Tube Assembly - Oil tank sump to draincock									1 ALL
-46	811076	Fitting - Solderless									1 ALL
-47	AN770A2	Cock - Drain									1 ALL
-48	AN914-1	Elbow - Internal and external pipe thread 90°									1 ALL
-49	AN844-4	Elbow - Pipe thread and hose 90°									1 ALL
-50	3H2-4-13	Hose (NA)									1 ALL
-51	168-47801-5	Line Assembly - Oil system									1 ALL
-52	3H2-4-13	Hose (NA)									1 ALL
-53	AN844-4	Elbow - Pipe thread and hose 45°									1 ALL
-54	AN842-10	Elbow - Pipe thread and hose 90°									1 ALL
-55	3H2-10-14	Hose (NA)									1 ALL
-56	88-47815	Line - Oil tank filler drain neck overflow									1 A-K,U
-57	168-47802	Line - Oil tank filler drain neck overflow									1 Z
-58	AN365-1032	Nut - Self locking 250°F									4 ALL
-59	AN3-4A	Bolt - Aircraft 10-32									4 ALL
-60	55-47018	Clamp - Tube									1 ALL
-61	AN4078-1	Oil Dilution Solenoid (for a list of detail parts refer to T.O. 03-15-32)									1 ALL
-62	AN365-1032	Nut - Self locking 250°F									4 ALL
-63	AN3-3A	Bolt - Aircraft 10-32									2 ALL
-64	AN3-4A	Bolt - Aircraft 10-32									2 ALL
-65	55-47017	Support - Oil dilution solenoid									1 ALL
-66	AN365-428	Nut - Self locking 250°F									8 ALL
-67	AN960-416	Washer - Plain									2 ALL
-68	55-42077-5	Rod Assembly - Oil cooler support bracket tie									2 ALL
-69	55-42077-4	Rod Assembly - Oil cooler support bracket tie									2 ALL
-70	AN365-428	Nut - Self locking 250°F									2 ALL
-71	AN4-6A	Bolt - Aircraft 1/4-28									2 ALL
-72	65-42063	Strap - Oil cooler stabilizing									2 ALL
-73	65-42016	Duct - Oil cooler support and air									1 ALL
-74	7E30-32-0	Extrusion (NA)									1 ALL
-75	88-42009	Support Assembly - Oil cooler									1 ALL
-76	77-42024	Bracket - Oil cooler support upper									1 ALL
-77	77-47021	Cap Assembly - Oil tank filler									1 ALL
-78	No Number	Oil Cooler and Regulator Assy - Oil temperature type C5 (Spec No. 95-28150) (for a list of detail parts refer to T.O. 7R-1-34 (AIR))									1 ALL
	2D398	T.O. 7R-1-34 (AIR)									
	U3180A	T.O. 7R-1-44 (UA)									
	37008	T.O. 7R-1-54 (YGR)									
	No Number	Oil Tank and Attaching Parts (see figure 63)									NP ALL





158-47-112A

FIGURE 63 - OIL TANK AND ATTACHING PARTS

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
POWER PLANT AND ENGINE SECTION (Cont)											
OIL TANK AND ATTACHING PARTS											
63	No Number	Oil Tank and Attaching Parts (see fig. 62 for next assembly) . . .								NP	ALL
-1	77-47002-10	Tank Assembly - Oil (77-47002 is a suitable substitute) . . .								1	ALL
ATTACHING PARTS											
-2	AN365-428	Nut - Self locking 250°F . . . . .								4	ALL
-3	AN4-14A	Bolt - Aircraft 1/4-28 . . . . .								4	ALL
-4	58-47020-3	Clamp Assembly - Oil tank support . . . . .								2	ALL
-5	58-47020-2	Clamp Assembly - Oil tank support . . . . .								2	ALL
-6	AN365-428	Nut - Self locking 250°F . . . . .								4	ALL
-7	AN4-14A	Bolt - Aircraft 1/4-28 . . . . .								4	ALL
-8	NAS27-4C	Turnbuckle - Tank strap . . . . .								2	ALL
-9	1N3-2	Nut - Turnbuckle (NA) . . . . .								2	ALL
-10	1N3-3	Nut - Turnbuckle (NA) . . . . .								2	ALL
-11	25-47014-14	Strap Assembly - Oil tank lower . . . . .								2	ALL
-12	3P1-8-14-100	Pad - Strap (NA) . . . . .								2	ALL
	3P1-8-14-37	Pad - Strap (NA) . . . . .								1	ALL
-13	36-47027-34	Strap Assembly - Oil tank upper . . . . .								2	ALL
-14	3P1-8-14-37	Pad - Strap (NA) . . . . .								2	ALL
-15	36-47027-32	Strap Assembly - Oil tank upper . . . . .								2	ALL
-16	3P1-8-14-50	Pad - Strap (NA) . . . . .								2	ALL
-17	AN365-1032	Nut - Self locking 250°F . . . . .								4	ALL
-18	AN3-12A	Bolt - Aircraft 10-32 . . . . .								4	ALL
-19	AN530-6-8	Screw - Sheet metal round head . . . . .								2	ALL
-20	5C3E20	Clamp - Forged tube (NA) . . . . .								2	ALL
-21	77-47037	Tube Assembly - Oil tank front support . . . . .								1	ALL
-22	AN365-428	Nut - Self locking 250°F . . . . .								8	ALL
-23	36-47032	Stud - Oil tank sump . . . . .								8	ALL
-24	36-47004	Stand Pipe - Oil tank sump . . . . .								1	ALL
-25	37A4959	Seal - Fuel cock stem . . . . .								1	ALL

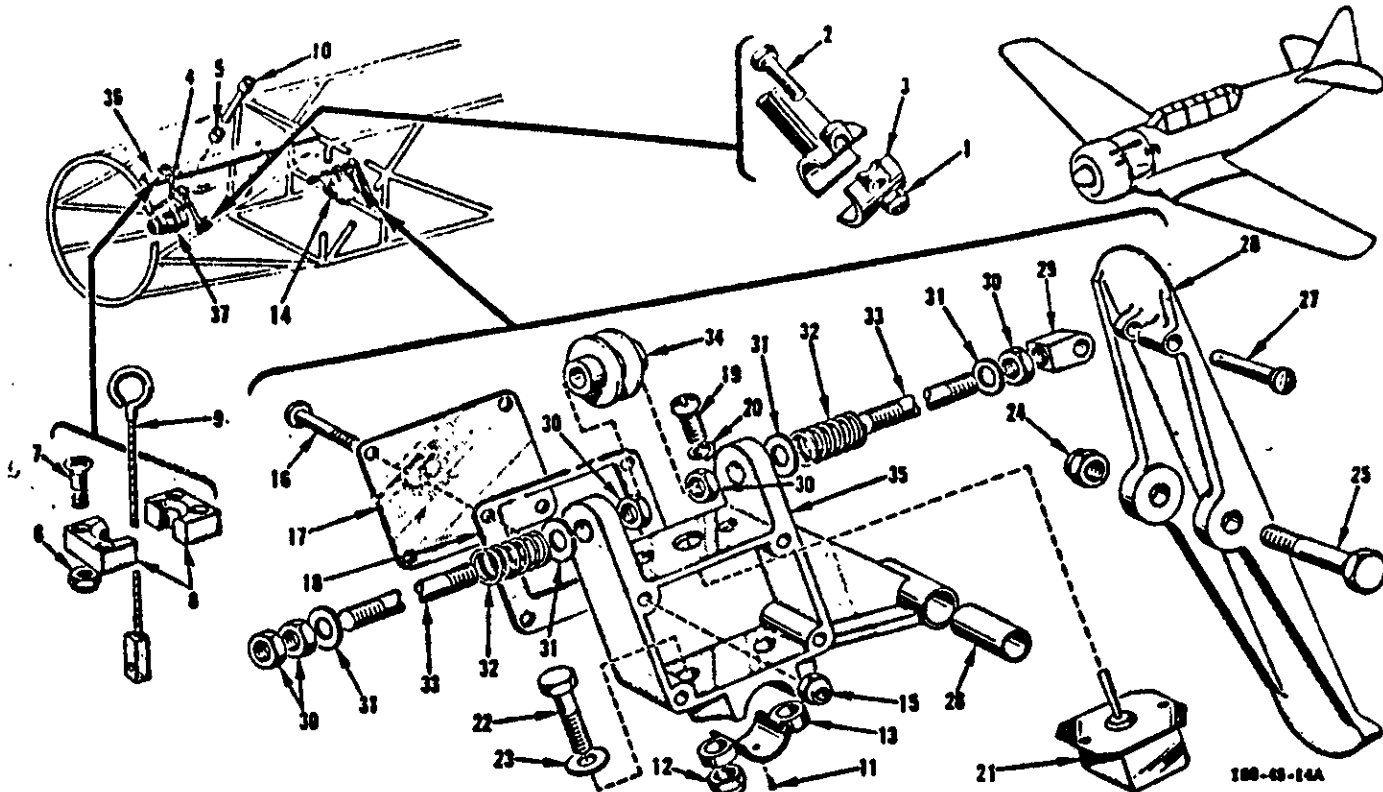
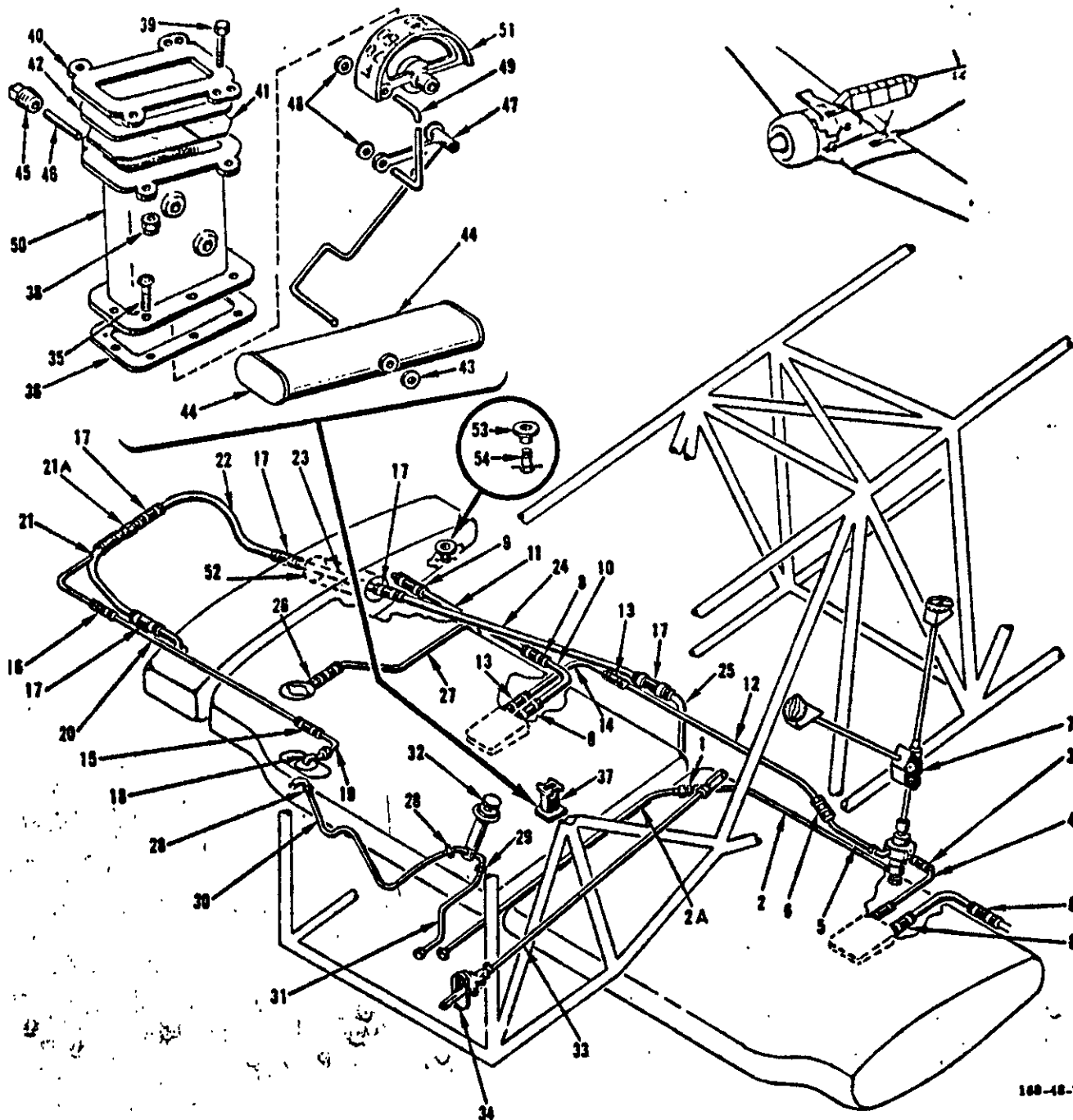


FIGURE 64 - STARTING SYSTEM

FIGURE & PART NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
POWER PLANT AND ENGINE SECTION (Cont)											
STARTING SYSTEM											
64	168-45001								Starting System Installation - (Modification) (see figure 60 for next assembly)	NP	ALL
-1	AN365-1032								• Nut - Self locking 250° F	6	ALL
-2	AN3-12A								• Bolt - Aircraft 10-32	6	ALL
-3	5C3E20								• Clamp - Forged tube (NA)	3	ALL
-4	55-45030								• Bracket Assembly - Engine starter shaft	1	ALL
-5	19-45016								• Bushing - Engine starter shaft bracket	1	ALL
-6	AN365-832								• Nut - Self locking 250° F	4	ALL
-7	AN507-832R12								• Screw - 100° flat head machine coarse thread	4	ALL
-8	77-310143								• Block - Engine removable cowling former starter engaging hook guide	2	ALL
-9	168-45006								• Cable Assy - Manual starting engaging control (modification)	1	ALL
-10	0E1-17-4								• Extension - Starting crank	1	ALL
-11	AN570-6-8								• Screw - Sheet metal round head	1	ALL
-12	AN365-428								• Nut - Self locking 250° F	2	ALL
-13	23-45038								• Clamp Assembly - Engine starter control pedal	1	ALL
-14	168-45002								• Pedal Assembly - Engine starter control (modification)	1	A1-D30
	168-45002-10								• Pedal Assembly - Engine starter control (modification)	1	D31-.2
-15	AN365-1032								• Nut - Self locking 250° F	4	ALL
-16	AN520-10-36								• Screw - Round head machine fine thread	4	ALL
-17	23-45012								• Cover - Engine starter switch	2	ALL
-18	168-45005								• Spacer - Engine starter control pedal cover	2	A1-D30
-19	AN515-6R7								• Screw - Round head machine coarse thread	2	ALL
-20	AN935-6								• Washer - Spring lock	1	ALL
-21	AN3023-7								• Switch - Toggle double pole three hole mounting	1	ALL
-22	AN4-14A								• Bolt - Aircraft 1/4-28	2	ALL
-23	AN960-416								• Washer - Plain	2	ALL
-24	AN365-428								• Nut - Self locking 250° F	1	ALL
-25	AN4-25A								• Bolt - Aircraft 1/4-28	1	ALL
-26	454-8-74								• Spacer - Rivet (NA)	1	ALL
-27	AN393-49								• Pin - Flat head 3/16	1	ALL
-28	168-45003								• Pedal - Engine starter switch	1	ALL
-29	23-45006								• Connector - Engine starter switch rod	1	ALL
-30	AN316-4R								• Nut - Check	5	ALL
-31	AN960-416								• Washer - Plain	4	ALL
-32	23-45014								• Spring - Engine starter switch	2	ALL
-33	23-45036								• Rod - Engine starter switch	2	ALL
-34	23-45008								• Spool - Engine starter switch	1	ALL
-35	23-45003								• Box - Engine starter switch	1	ALL
-36	77-31090								Former Assembly - Engine removable cowling	Ref	
-37	No Number								Starter - Type G5 (Spec. 95-32303) (PFP)	Ref	



168-48-701B

FIGURE 65 - FUEL SYSTEM TANKS

FIGURE & PART NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
POWER PLANT AND ENGINE SECTION (Cont)											
FUEL SYSTEM TANKS											
65	168-48001	Tanks Installation - Fuel system (modification) (see figure 60 for next assembly)									NP ALL
	No Number	Engine Section Fuel System Equipment (see figure 66 for detail breakdown)									NP ALL
	No Number	Fuel Tanks and Attaching Parts (see figure 67 for detail breakdown)									NP ALL
-1	811HT10	Fitting - Solderless									1 ALL
-2	77-48805	Line Assy - Fuel selector valve to union									1 ALL
-2A	77-48807	Line Assy - Union to bulkhead fitting									1 ALL
-3	3H2-10-15	Hose (NA)									2 ALL
-4	121-48407-21	Line - Fuel selector valve to tank									1 ALL
-5	121-48407-35	Line Assy - Auxiliary fuel tank union to selector valve									1 ALL

FIGURE & ORDER NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
POWER PLANT AND ENGINE SECTION (Cont)											
FUEL SYSTEM TANKS (Cont)											
65-6	811HT10	.	.	.	.	.	.	.	Fitting - Solderless	1	ALL
-7	No Number	.	.	.	.	.	.	.	Fuel Cock Control and Attaching Parts (see figure 68 for detail breakdown)	NP	ALL
-8	3H2-16-15	.	.	.	.	.	.	.	Hose (NA)	4	ALL
-9	3H2-16-15	.	.	.	.	.	.	.	Hose (NA)	2	ALL
-10	168-48019-5	.	.	.	.	.	.	.	Elbow - Auxiliary fuel tank transfer (right side)	1	ALL
-11	168-48018	.	.	.	.	.	.	.	Elbow - Auxiliary fuel tank transfer (left side)	1	ALL
-12	121-48407-15	.	.	.	.	.	.	.	Line - Auxiliary fuel tank transfer	2	ALL
-13	3H2-10-15	.	.	.	.	.	.	.	Line Assy - Aux fuel tank main to selector valve 2nd sect.	1	ALL
-14	121-48407-16	.	.	.	.	.	.	.	Hose (NA)	2	ALL
-15	3H2-6-15	.	.	.	.	.	.	.	Line - Aux fuel tank to main selector valve section No. 1	1	ALL
-16	3H2-8-15	.	.	.	.	.	.	.	Hose (NA)	2	ALL
-17	3H2-12-15	.	.	.	.	.	.	.	Hose (NA)	2	ALL
-18	811CT45-6	.	.	.	.	.	.	.	Fitting - Solderless	10	ALL
-19	121-48407-31	.	.	.	.	.	.	.	Line Assembly - Auxiliary fuel tank vent LH and RH	2	ALL
-20	121-48433-2	.	.	.	.	.	.	.	Line - Aux fuel tank sect. No. 2 swaged vent (right side)	1	ALL
-21	121-48433-3	.	.	.	.	.	.	.	Line - Aux fuel tank sect. No. 2 swaged vent (left side)	1	ALL
-21A	168-48022-10	.	.	.	.	.	.	.	Line Assembly - Auxiliary fuel tank vent RH	1	AL-B1
-21A	168-48021	.	.	.	.	.	.	.	Line Assembly - Auxiliary fuel tank vent LH	1	B2-Z
-21A	168-48021-10	.	.	.	.	.	.	.	Line Assembly - Auxiliary fuel tank vent LH	1	A1-B1
-22	8-250-77	.	.	.	.	.	.	.	Valve Assembly - Check swing size 12 and 10058-12 ports .125 diameter hole (PA)	1	B2-Z
-22	121-48407-12	.	.	.	.	.	.	.	Line - Auxiliary fuel tank section No. 3 RH "T" assembly to section No. 4 (right side)	1	ALL
-23	121-48407-14	.	.	.	.	.	.	.	Line - Auxiliary fuel tank section No. 3 LH "T" assembly to section No. 4 (left side)	1	ALL
-23	121-48407-9	.	.	.	.	.	.	.	Line - Auxiliary fuel tank section No. 4 to outlet vent (right side)	1	ALL
-24	121-48407-41	.	.	.	.	.	.	.	Line - Auxiliary fuel tank section No. 4 to outlet vent (left side)	1	ALL
-24	121-48407-10	.	.	.	.	.	.	.	Line - Auxiliary fuel tank section No. 5 vent	2	ALL
-25	121-48445-1	.	.	.	.	.	.	.	Line - Auxiliary fuel tank outlet vent (right side)	1	A1-B1
-25	168-48047	.	.	.	.	.	.	.	Line Assy - Auxiliary fuel tank outlet vent (right side)	1	B2-Z
-25	121-48445-2	.	.	.	.	.	.	.	Line - Auxiliary fuel tank outlet vent (left side)	1	A1-B1
-25	168-48046	.	.	.	.	.	.	.	Line Assy - Auxiliary fuel tank outlet vent (left side)	1	B2-Z
-26	AN840-6	.	.	.	.	.	.	.	Adapter - Hose to pipe thread	2	ALL
-27	77-48814	.	.	.	.	.	.	.	Line - Fuel tank filler cap drain (right side)	1	ALL
-27	77-48813	.	.	.	.	.	.	.	Line - Fuel left tank filler cap drain (left side)	1	ALL
-28	811CT45-4	.	.	.	.	.	.	.	Fitting - Solderless	2	ALL
-29	811CT4	.	.	.	.	.	.	.	Fitting - Solderless	1	ALL
-30	121-48407-43	.	.	.	.	.	.	.	Line Assembly - Fuel firewall to engine primer (supersedes 55-48827)	1	ALL
-31	121-48407-45	.	.	.	.	.	.	.	Line Assembly - Fuel engine primer to firewall (supersedes 55-48828)	1	ALL
-32	No Number	.	.	.	.	.	.	.	Primer Type 401-1A (PA)	1	ALL
-33	36-48079	.	.	.	.	.	.	.	Rod Assembly - Hand fuel pump control front	1	ALL
-34	19-48089	.	.	.	.	.	.	.	Boot - Hand fuel pump control rod	1	ALL
-35	AN515-416-12	.	.	.	.	.	.	.	Screw - Round head machine coarse thread	16	ALL
-36	19-51020	.	.	.	.	.	.	.	Gasket - Fuel gage	2	ALL
-37	168-51010-1	.	.	.	.	.	.	.	Gage Assembly - Fuel tank LH (modification)	1	ALL
-37	168-51010-2	.	.	.	.	.	.	.	Gage Assembly - Fuel tank RH (modification)	1	ALL
-38	AN365-1032	.	.	.	.	.	.	.	Nut - Self locking 250° F	4	ALL
-39	AN3-11A	.	.	.	.	.	.	.	Bolt - Aircraft 10-32	4	ALL
-40	19-51005	.	.	.	.	.	.	.	Retainer - Fuel gage glass	1	ALL
-41	19-51007	.	.	.	.	.	.	.	Glass - Fuel gage	1	ALL
-42	88-51006	.	.	.	.	.	.	.	Gasket - Fuel gage glass	1	ALL
-43	2W9	.	.	.	.	.	.	.	Washer - Fuel gage (NA)	2	ALL
-44	19-51016	.	.	.	.	.	.	.	Float Assembly - Fuel gage	1	ALL
-45	1P4	.	.	.	.	.	.	.	Plug - Bearing retainer (NA)	2	ALL
-46	19-51019	.	.	.	.	.	.	.	Bearing - Fuel gage	2	ALL
-47	58-51015	.	.	.	.	.	.	.	Rod Assembly - Fuel gage float LH	1	ALL
-47	58-51015-1	.	.	.	.	.	.	.	Rod Assembly - Fuel gage float RH	1	ALL
-48	2W9	.	.	.	.	.	.	.	Washer - Fuel gage (NA)	2	ALL
-49	19-51014	.	.	.	.	.	.	.	Rod Assembly - Fuel gage connecting	1	ALL
-50	19-51004	.	.	.	.	.	.	.	Housing - Fuel tank gage	1	ALL
-51	168-48015	.	.	.	.	.	.	.	Dial Assembly - Fuel system gage (modification)	1	ALL
-52	121-48424-2	.	.	.	.	.	.	.	Tube Assembly - Aux fuel tank aileron cable tunnel RH	1	ALL
-52	121-48424-1	.	.	.	.	.	.	.	Tube Assembly - Aux fuel tank aileron cable tunnel LH	1	ALL
-53	130-48603	.	.	.	.	.	.	.	Adapter - Fuel bomb bay tank draincock	1	ALL
-54	CCA1500	.	.	.	.	.	.	.	Drain Valve (CCA4900 may be substituted) (Curtis Automotive Devices Inc.)	1	ALL
-54	168-48401	.	.	.	.	.	.	.	Tank Installation - Fuel drop (see figure 65A for detail breakdown)	NP	Z,Y

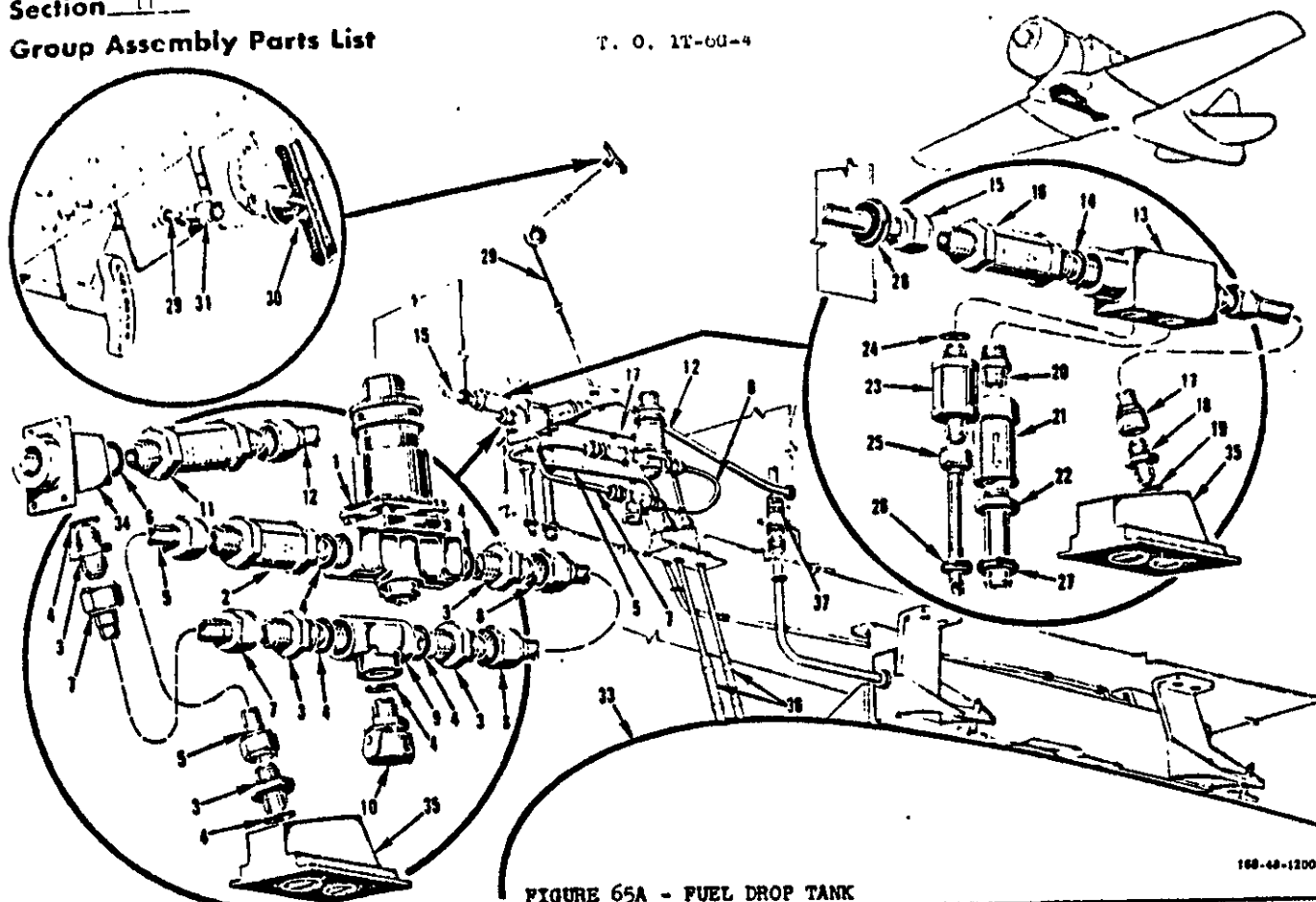
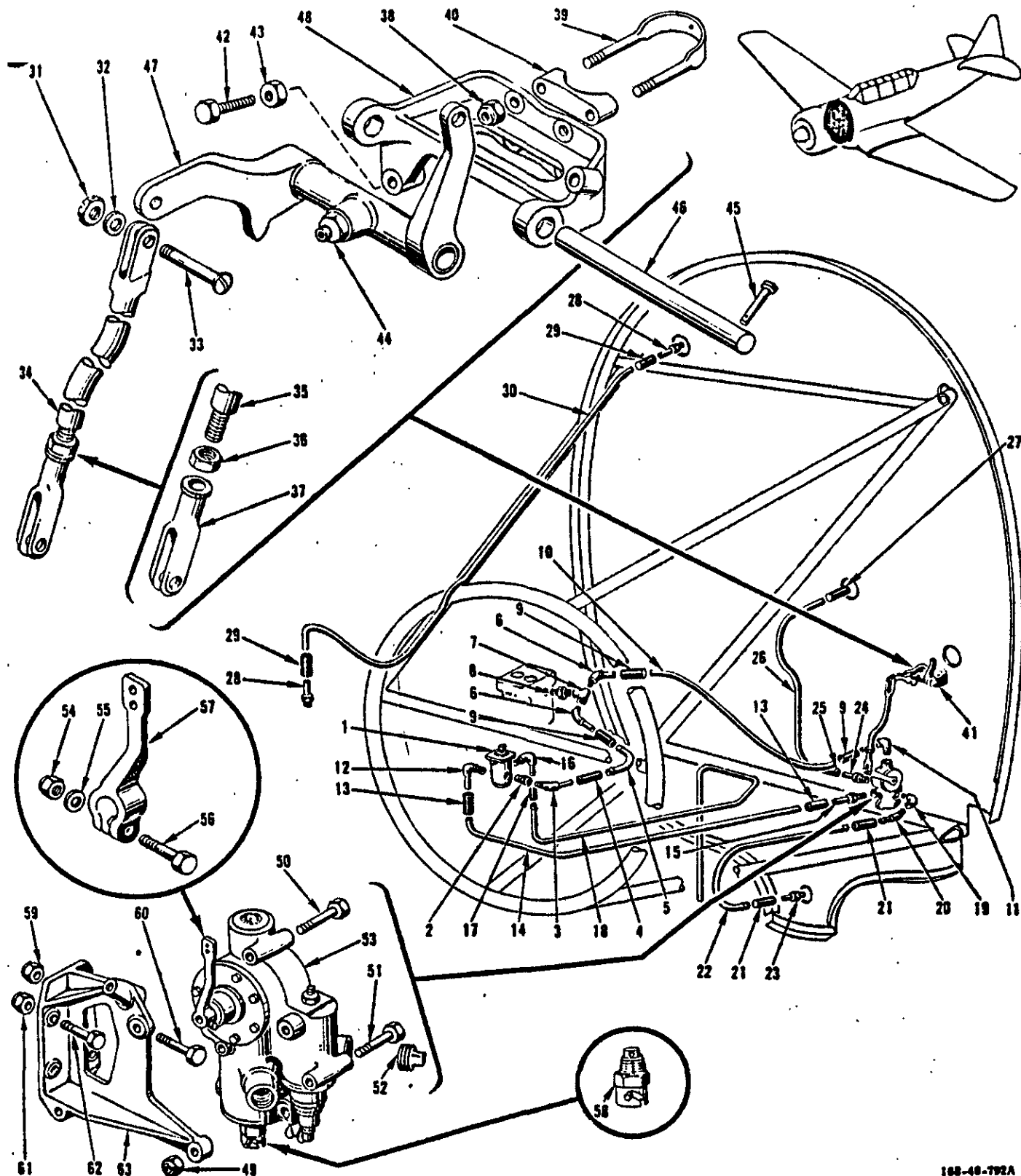


FIGURE 65A - FUEL DROP TANK

168-48-1200

FIGURE 6 INCHES NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	USEABLE ON CODE
POWER PLANT AND ENGINE SECTION (Cont.) FUEL DROP TANK											
65A	168-48401								Tank Installation - Fuel drop (see fig. 65 for next assy).	NP	Z,Y
-1	AV1B-1176								Valve Assembly (General Control Co.)	1	Z,Y
-2	10-1744-75								Valve Assembly - No. 6 check valve on center wing type 527-6D (PA)	1	Z,Y
-3	AN815-6D								Union - Flared tube	1	Z,Y
-4	934-9								Packing - "O" Ring gasoline or kerosene resistant	7	Z,Y
-5	168-48803-41								Line Assy - Pullaway fitting to solenoid valve	1	Z,Y
-6	934-17								Packing - "O" Ring gasoline or kerosene resistant	1	Z,Y
-7	168-48803-39								Line Assembly - Drain fitting to bulkhead fitting	1	Z,Y
-8	168-48803-37								Line Assembly - Solenoid valve to drain fitting	1	Z,Y
-9	AN926-6D								Tee - Internal screw thread	1	Z,Y
-10	83501-2								Drain Valve - 7/16 Straight thread (KOE)	1	Z,Y
-11	12-244-78								Valve Assembly - No. 10 check valve on center wing type 527-10D type (PA)	1	Z,Y
-12	168-48803-35								Fuel Line Assy - Oil separator to check valve	1	Z,Y
-13	168-48073								Fitting - Fuel drop tank air pressure	1	Z,Y
-14	900-14								Packing - "O" Ring gasoline or kerosene resistant	1	Z,Y
-15	168-48803-33								Line Assembly - Oil separator to check valve	1	Z,Y
-16	869A10TT								Valve - Check (Circle Seal Mfg. Co.)	1	Z,Y
-17	168-48803-31								Line Assy - Check valve to pullaway fitting	1	Z,Y
-18	AN815-6D								Union - Flared tube	1	Z,Y
-19	934-11								Packing - "O" Ring gasoline or kerosene resistant	1	Z,Y
-20	AN911-4D								Nipple - Pipe thread	1	Z,Y
-21	7-2847-78								Valve - Check ball type special 404GG 1-2D (PA)	1	Z,Y
-22	AN840-10								Adapter - Hose to pipe thread	1	Z,Y
-23	10-1744-75								Valve - No. 6 check on center wing type (PA)	1	Z,Y
-24	900-9								Packing - "O" Ring gasoline or kerosene resistant	1	Z,Y
-25	168-48074								Tube Assembly - Fuel drop tank vent	1	Z,Y
-26	AN931-6-10								Grommet - Elastic	1	Z,Y
-27	AN931-10-14								Grommet - Elastic	1	Z,Y
-28	AN931-8-13								Grommet - Elastic	1	Z,Y
-29	168-48067								Cable Assembly - Fuel drop tank emergency release	1	Z,Y
-30	170-68730								Handle Assembly - Emergency jettison	1	Z,Y
-31	170-68732-3								Retainer - Emergency jettison cable	1	Z,Y
-32	DELETED										
-33	No Number								Tank Assy - Fuel system drop (see figure 72C)	Ref	
-34	168-48068								Fitting - Fuel feed line wing connection (see figure 6)	Ref	
-35	168-48070								Fitting - Fuel drop tank pullaway (see figure 6)	Ref	
-36	3H2-10-15								Hose (fuel) (NA) (see figure 72C)	Ref	
-36	3H2-6-15								Hose (air) (NA) (see figure 72C)	Ref	
-37	3106-10SL4P								Plug - Electrical connector to cable	Ref	

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FIGURE 66 - ENGINE SECTION FUEL SYSTEM EQUIPMENT

FIGURE & PART NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
		POWER PLANT AND ENGINE SECTION (Cont)							ENGINE SECTION FUEL SYSTEM EQUIPMENT		
66	No Number	Engine Section Fuel System Equipment (see figure 65 for next assembly)								NP	ALL
-1		Pump - Engine driven fuel type F-10 (OFF) for a list of detail parts refer to:								1	ALL
	No Number	AN 03-10FA-1 (PE)									
	9095	AN 03-10ED-1 (CH)									
	9132	AN 03-10ED-1 (CH)									
	9140	AN 03-10ED-1 (CH)									
-2	AN912-7	Bushing - Reducer								1	ALL
-3	AN844-10	Elbow - Pipe thread and hose 45°								1	ALL
-4	3H2-10-11	Hose (NA)								2	ALL
-5	77-48811	Line - Fuel pump to carburetor								1	ALL
-6	AN844-10	Elbow - Pipe thread and hose 45°								2	ALL
-7	AN917-4	Tee - Internal pipe thread								1	ALL
-8	AN911-4	Nipple - Pipe thread								1	ALL
-9	3H2-10-11	Hose (NA)								2	ALL
-10	77-48812	Line - Carburetor to fuel unit								1	ALL
-11	AN912-10	Elbow - Pipe thread and hose 90°								1	ALL
-12	88-48092	Fitting - Fuel pump inlet line								1	ALL
-13	3H2-10-11	Hose (NA)								2	ALL
-14	121-48407-23	Line - Fuel unit to pump								1	ALL
-15	AN840-10	Adapter - Hose to pipe thread								1	ALL
-16	AN842-4	Elbow - Pipe thread and hose 90°								1	ALL
-17	3H2-4-8	Hose (NA)								1	ALL
-18	121-48407-25	Line - Fuel pump drain								1	ALL
-19	AN914-4	Elbow - Internal and external pipe thread 90°								1	ALL
-20	AN844-10	Elbow - Pipe thread and hose 45°								2	ALL
-21	3H2-10-11	Hose (NA)								1	ALL
-22	77-48808	Line - Firewall to fuel unit								1	ALL
-23	AN840-10	Adapter - Hose to pipe thread								1	ALL
-24	AN840-10	Adapter - Hose to pipe thread								1	ALL
-25	3H2-4-10	Hose (NA)								1	ALL
-26	121-48407-29	Line - Fuel tee to firewall primer								1	ALL
-27	3H2-4-8	Hose (NA)								1	ALL
-28	AN840-4	Adapter - Hose to pipe thread								2	ALL
-29	3H2-4-10	Hose (NA)								1	ALL
-30	121-48407-27	Line - Firewall to engine fuel outlet distributor								1	ALL
-31	AN320-4	Nut - Castle shear								2	ALL
-32	AN960-416	Washer - Plain								2	ALL
-33	AN24-13	Bolt - Clevis 1/4-28								2	ALL
-34	88-48055	Rod Assembly - Hand fuel pump control								1	ALL
-35	AN486-1	Clevis - Rod end adjusting								1	ALL
-36	AN316-4R	Nut - Check								1	ALL
-37	88-48055-2	Rod - Hand fuel pump control rod assembly								1	ALL
-38	AN365-428	Nut - Self locking 250°F								4	ALL
-39	5B7	Bolt - U (NA)								2	ALL
-40	5C1	Clamp (NA)								1	ALL
-41	36-48044	Bellcrank Assembly - Hand fuel pump control								1	ALL
-42	5B2-13	Bolt - Adjustment 1/4-28 (NA)								2	ALL
-43	AN315-4R	Nut - Plain airframe								1	ALL
-44	AN386-1	Nipple - Hose fuel and oil								2	ALL
-45	AN392-35	Pin - Flat head 1/8								1	ALL
-46	36-48054	Shaft - Hand fuel pump bellcrank								1	ALL
-47	36-48028	Bellcrank Assembly - Hand fuel pump control								1	ALL
-48	36-48029	Bracket - Hand fuel pump bellcrank support								1	ALL
-49	AN365-428	Nut - Self locking 250°F								3	ALL
-50	AN4-31A	Bolt - Aircraft 1/4-28								2	ALL
-51	AN4-37A	Bolt - Aircraft 1/4-28								1	ALL
-52	AN913-4	Plug - Square head pipe thread								1	ALL
-53	168-48031	Pump Assembly - Fuel system type D-3 modification								1	ALL
-54	AN365-1032	Nut - Self locking 250°F								1	ALL
-55	AN960D10	Washer - Plain								1	ALL
-56	AN3-10A	Bolt - Aircraft 10-32								1	ALL
-57	88-48003-3	Handle - Fuel system type D-3 pump assembly								1	ALL
-58	CCA1500	Draincock Assembly (CCA4900 may be substituted) (Curtis Automotive Devices Inc.)								1	ALL
	No Number	Pump Assembly - Fuel system type D-3 (for a list of detail parts refer to T.O. AN 03-10EP4) (UA)								1	ALL
-59	AN365-1032	Nut - Self locking 250°F								3	ALL
-60	AN3-6A	Bolt - Aircraft 10-32								3	ALL
-61	AN365-428	Nut - Self locking 250°F								2	ALL
-62	AN4-6A	Bolt - Aircraft 1/4-28								2	ALL
-63	49-48025	Bracket - Fuel system unit and bellcrank support								1	ALL

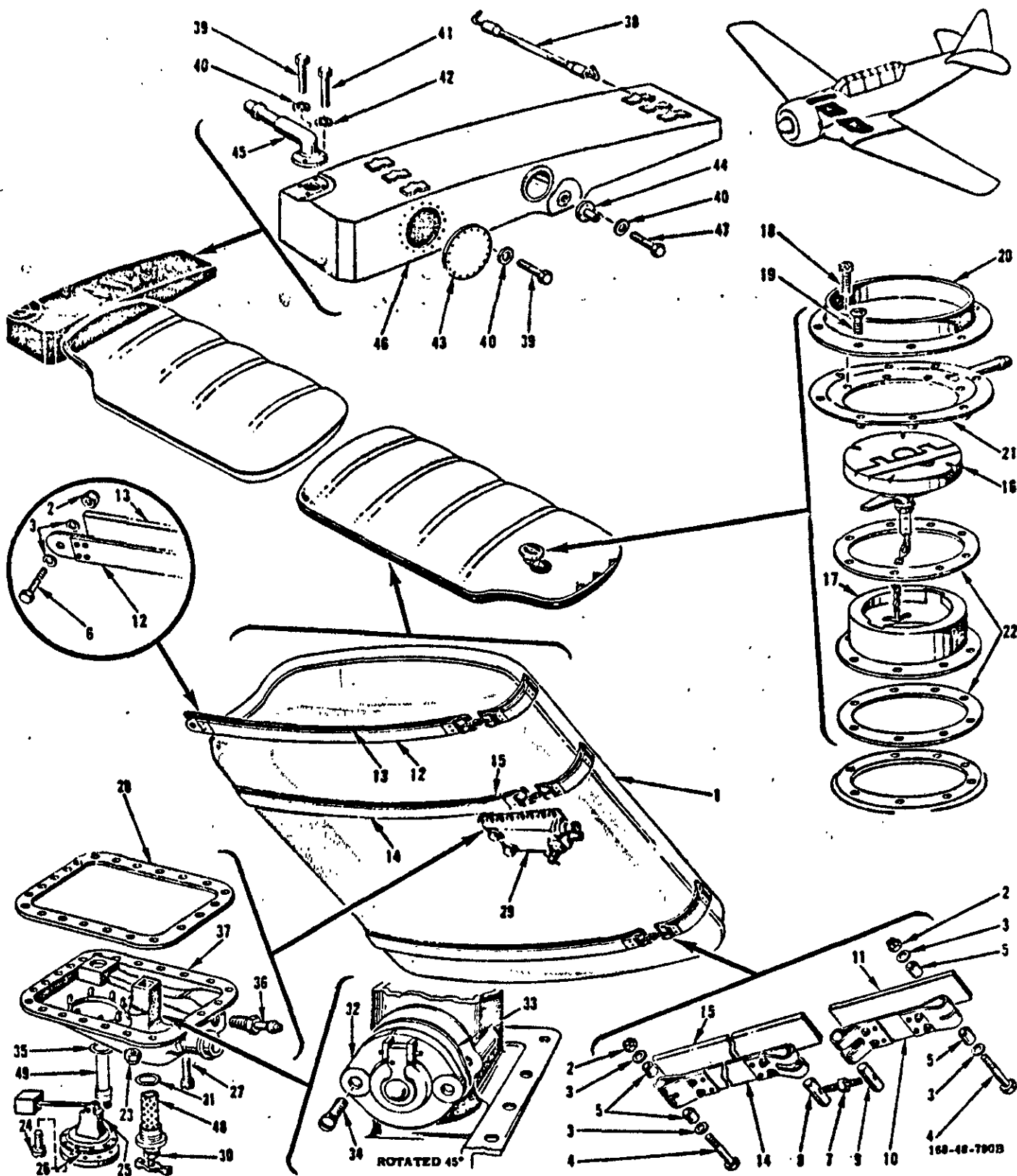


FIGURE 67 - FUEL TANKS AND ATTACHING PARTS



FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
POWER PLANT AND ENGINE SECTION (Cont)											
FUEL TANKS AND ATTACHING PARTS											
67	No Number	Fuel Tanks and Attaching Parts (see fig. 65 for next assy)								NP	ALL
-1	168-48002-1	Tank Assembly - Metal fuel complete LH (modification)								1	ALL
	168-48002-2	Tank Assembly - Metal fuel complete RH (modification)								1	ALL
ATTACHING PARTS											
-2	AN310-5	Nut - Castellated airframe								12	ALL
-3	AN960-516	Washer - Plain								24	ALL
-4	AN5-21	Bolt - Aircraft 5/16-24								10	ALL
-5	19-48059	Spacer - Fuel tank support bracket								20	ALL
-6	AN5-11	Bolt - Aircraft 5/16-24								2	ALL
-7	15-48020-2	Turnbuckle - Tank strap								6	ALL
-8	1N3-3	Nut - Turnbuckle (NA)								6	ALL
-9	1N3-2	Nut - Turnbuckle (NA)								6	ALL
-10	36-48018	Strap Assembly - Fuel tank								6	ALL
-11	3P1-8-14-32	Pad - Strap (NA)								6	ALL
-12	36-48017	Strap Assembly - Fuel tank front outboard								2	ALL
-13	3P1-8-14-84	Pad - Strap (NA)								2	ALL
-14	36-48018-2	Strap Assembly - Fuel tank								4	ALL
-15	3P1-8-14-120	Pad - Strap (NA)								4	ALL
	88-48083	Cap Assembly - Tank filler								1	ALL
-16	39B5435	Cap Assembly - Fuel tank								1	ALL
-17	39B5294	Adapter Assembly - Fuel tank filler cap								1	ALL
-18	AN501A10-8	Screw - Fillister head fine thread								8	ALL
	88-48011	Ring Assembly - Fuel tank filler overflow basin								1	ALL
-19	7S4-10-10	Screw - Salvage button head (NA)								8	ALL
-20	88-48030	Ring - Fuel tank filler overflow basin upper								1	ALL
-21	88-48029	Ring Assembly - Fuel tank filler overflow basin lower								1	ALL
-22	88-48027-3	Gasket - Fuel tank filler flange (supersedes 88-48027)								2	ALL
-23	AN365-428	Nut - Self locking 250°F								16	ALL
-24	AN501A10-10	Screw - Fillister head fine thread								8	ALL
-25	EA504BP700	Low Level Warning Unit (LI)								1	ALL
-26	197-48011	Gasket - Tank								1	ALL
-27	AN500A416-10	Screw - Fillister head coarse thread								5	ALL
-28	19-48007-3	Gasket - Fuel tank sump (supersedes 19-48007)								1	ALL
-29	168-48003	Sump Assembly - Auxiliary fuel system								1	ALL
-30	CCA1500	Draincock Assembly (CCA4900 may be substituted Curtis Automotive Devices Inc.)								1	ALL
-31	AN900-16	Gasket - Copper asbestos annular								1	ALL
-32	10-2649-84	Valve Assy - Aux fuel system sump check (PA)								1	ALL
-33	168-48009	Gasket - Fuel tank flapper valve adapter								1	ALL
-34	AN502-10-8	Screw - Drilled fillister head machine fine thread								2	ALL
-35	AN900-16	Gasket - Copper asbestos annular								1	ALL
-36	AN840-10D	Adapter - Hose to pipe thread								1	ALL
-37	168-48005	Sump - Auxiliary fuel system								1	ALL
	168-48007-1	Cell Assembly - Auxiliary fuel system complete LH								1	ALL
	168-48007-2	Cell Assembly - Auxiliary fuel system complete RH								1	ALL
ATTACHING PARTS											
-38	PS5223B12-0	Hanger Assembly (Pacific Coast Engineering)								8	ALL
	PS5223B7-5	Hanger Assembly (Pacific Coast Engineering)								2	ALL
-39	AN4H5A	Bolt - Aircraft 1/4-28								18	ALL
-40	AN960-416L	Washer - Plain								22	ALL
-41	AN4H15A	Bolt - Aircraft 1/4-28								2	ALL
-42	AN960-416L	Washer - Plain								2	ALL
-43	121-48409	Door - Auxiliary fuel tank access								1	ALL
-44	168-48008	Fitting - Auxiliary fuel tank interconnector								1	ALL
-45	168-48006	Fitting Assembly - Auxiliary fuel tank vent								1	ALL
-46	168-48004-1	Cell Assembly - Auxiliary fuel system LH								1	ALL
	168-48004-2	Cell Assembly - Auxiliary fuel system RH								1	ALL
-47	AN74-4	Bolt - Aircraft drilled head 1/4								4	ALL
-48	AN4043-2	Cartridge Assy - Corrosion inhibitor drain (less draincock)								Ref	
-49	19-48049	Standpipe Assy - Fuel tank short								Ref	

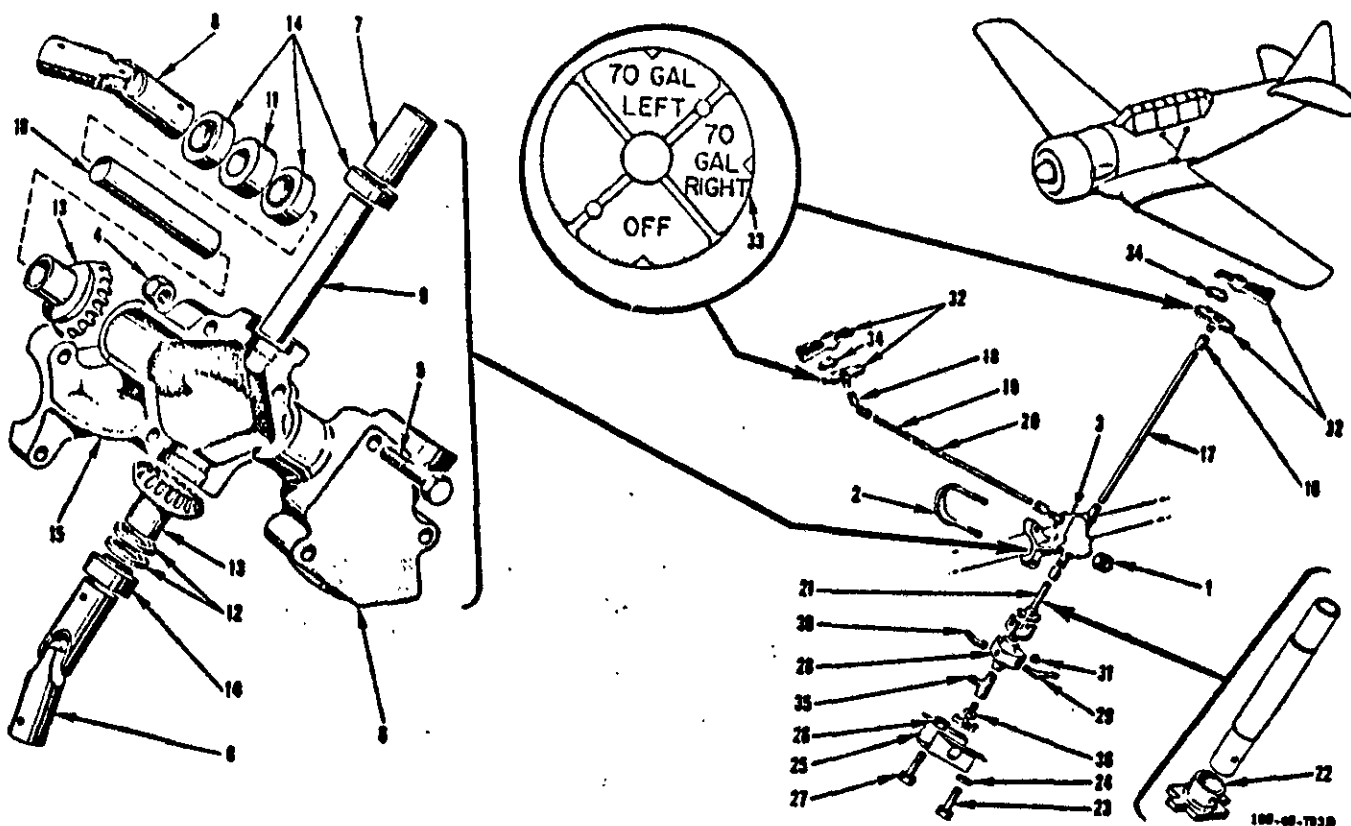
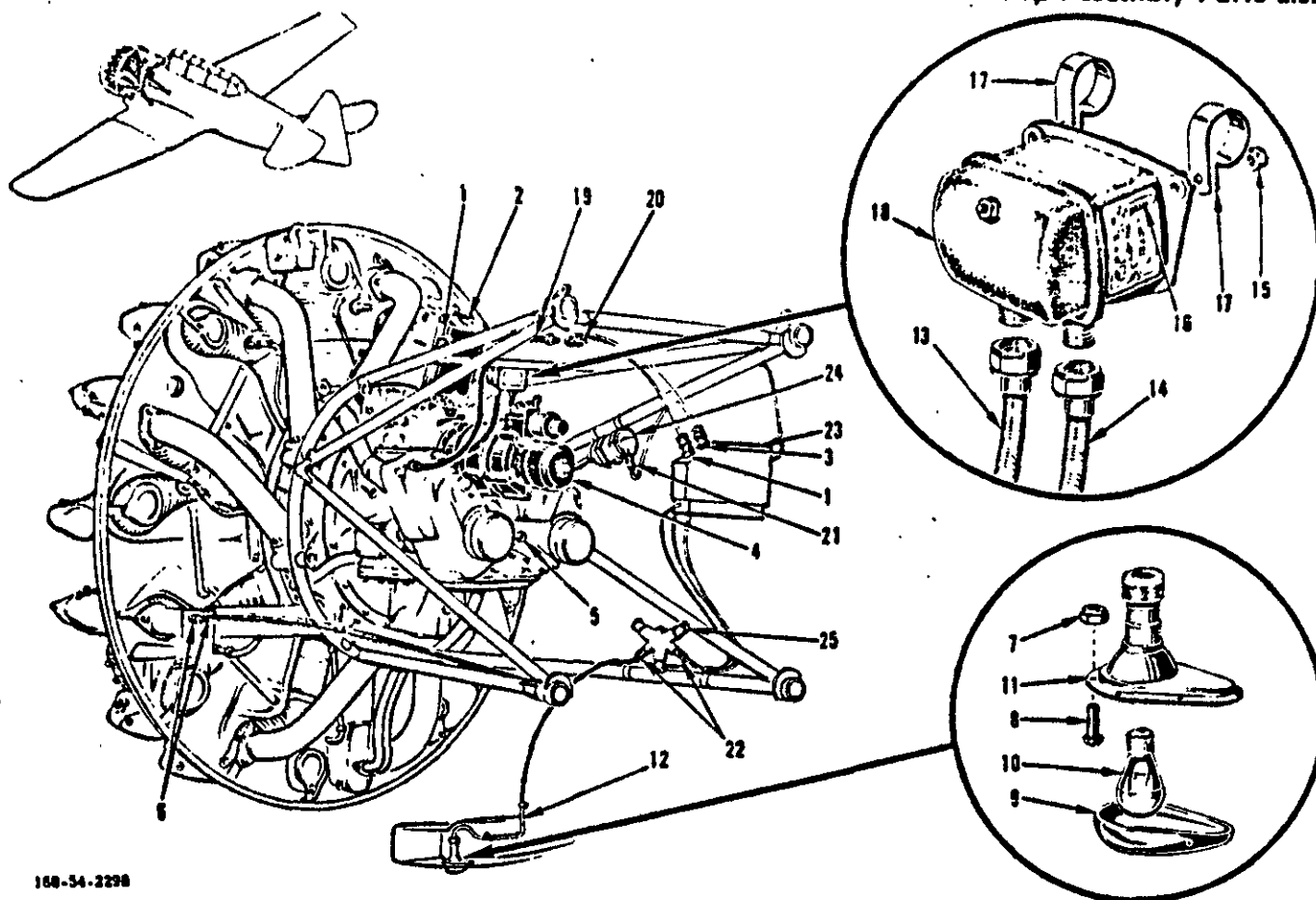


FIGURE 68 - FUEL COCK CONTROL AND ATTACHING PARTS

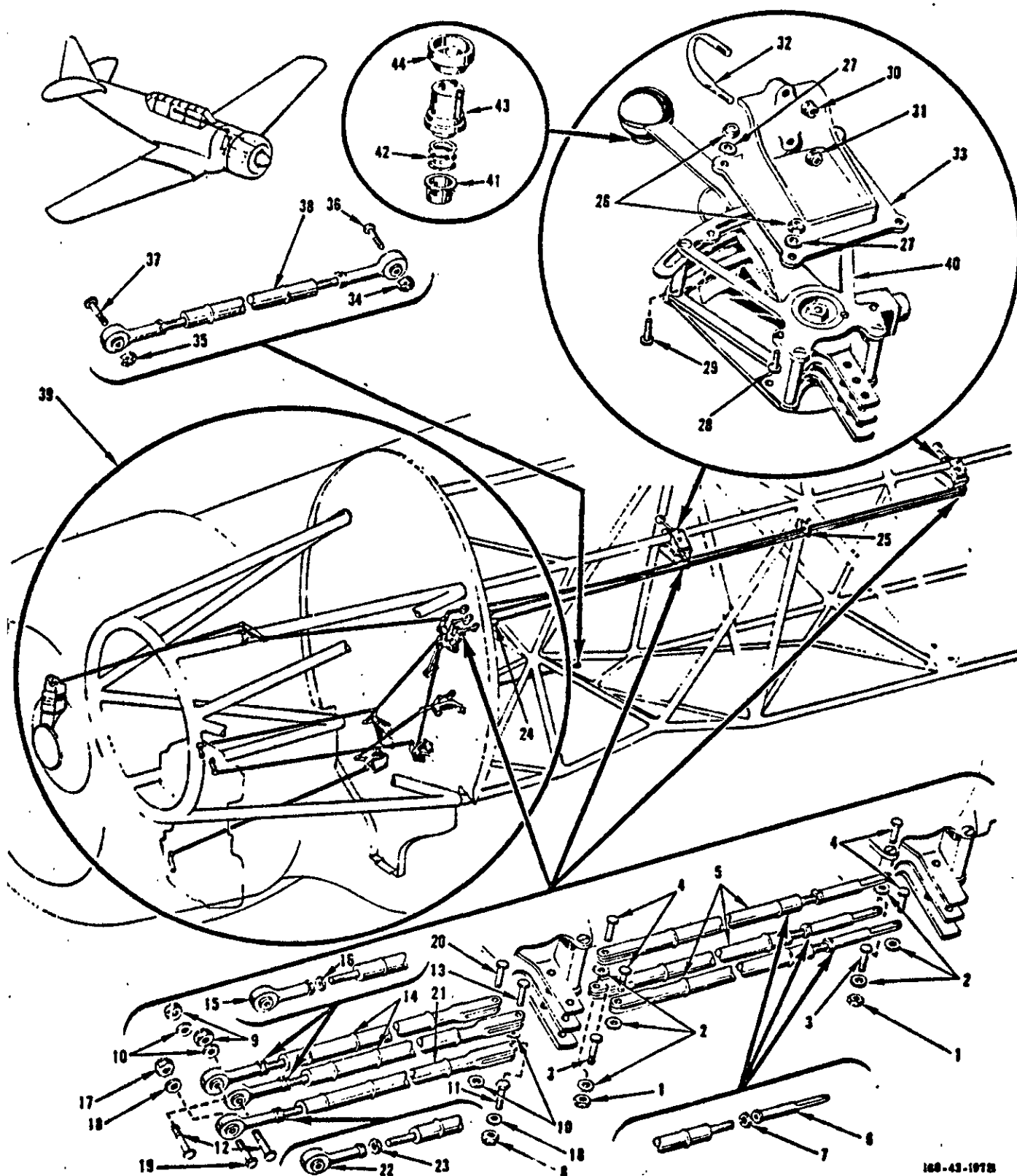
FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
POWER PLANT AND ENGINE SECTION (Cont)											
FUEL COCK CONTROL AND ATTACHING PARTS											
68	No Number								Fuel Cock Control and Attaching Parts (see figure 65 for next assembly)		
-1	77-48023								Control Installation - Fuel cock	NP	ALL
-2	AN365-428								Nut - Self locking	NP	ALL
-3	SB6-20								Bolt - U (NA)	4	ALL
-4	36-48016								Box Assembly - Fuel cock control gear	2	ALL
-5	AN365-1032								Nut - Self locking	1	ALL
-6	AN3-21A								Bolt - Aircraft 10-32	3	ALL
-7	19-48015-3								Housing - Fuel cock control gear upper	3	ALL
-8	7C1								Connector - Shaft (NA)	1	ALL
-9	34-48100								Joint - Fuel cock control universal	1	ALL
-10	19-48033-3								Shaft - Fuel cock control gear	2	ALL
-11	19-48033-2								Shaft - Fuel cock control gear	1	ALL
-12	19-48032								Spacer - Fuel cock gear housing bearing	1	ALL
-13	19-48042								Shim - Fuel cock control gear	1	ALL
-14	19-48014								Gear - Fuel cock control	AR	ALL
-15	AN201K6A								Bearing - Intermediate duty ball	1	ALL
-16	19-48015-2								Housing - Fuel cock control gear lower	4	ALL
-17	7C1								Connector - Shaft (NA)	1	ALL
-18	19-48039-2								Rod - Fuel cock control	1	ALL
-19	34-48100								Joint - Fuel cock control universal	1	ALL
-20	168-48013								Rod Assembly - Fuel selector valve front cockpit	1	ALL
-21	AN270B8								Joint - Universal light duty	1	ALL
-22	77-48047								Rod Assembly - Fuel cock gear box connecting	1	ALL
-23	066650								Driver - Fuel cock control yoke	1	ALL
-24	AN3-4A								Bolt - Aircraft 10-32	1	ALL
-25	AN960-10								Washer - Plain	4	ALL
-26	19-48038								Bracket - Fuel cock retaining	1	ALL
-27	AN365-1032								Nut - Self locking	1	ALL
-28	AN3-4A								Bolt - Aircraft 10-32	3	ALL
-29	AN4004-3								Cock Assembly - Fuel type G	3	ALL
-30	AN844-10								Elbow - Pipe thread and hose 45°	1	ALL
-31	811CT10								Fitting - Solderless	1	ALL
-32	AN913-45								Plug - Square head pipe thread	1	ALL
-33	43B22466								Dial and Handle Assy - Fuel cock control plain bearing blank (for special marking)(does not include 168-48032 dial)	1	ALL
-34	168-48032								Dial - Auxiliary fuel system tank selector	2	ALL
-35	168-48033								Stop - Auxiliary fuel system tank selector	2	ALL
-36	80-00110								Fitting - Fuel selector valve outlet (design detail) (4-0-10MHT PA is a suitable substitute)	2	ALL
-37	AN771-2								Cock - Screw type drain	1	ALL



168-54-2298

FIGURE - 69 POWER PLANT ELECTRICAL EQUIPMENT

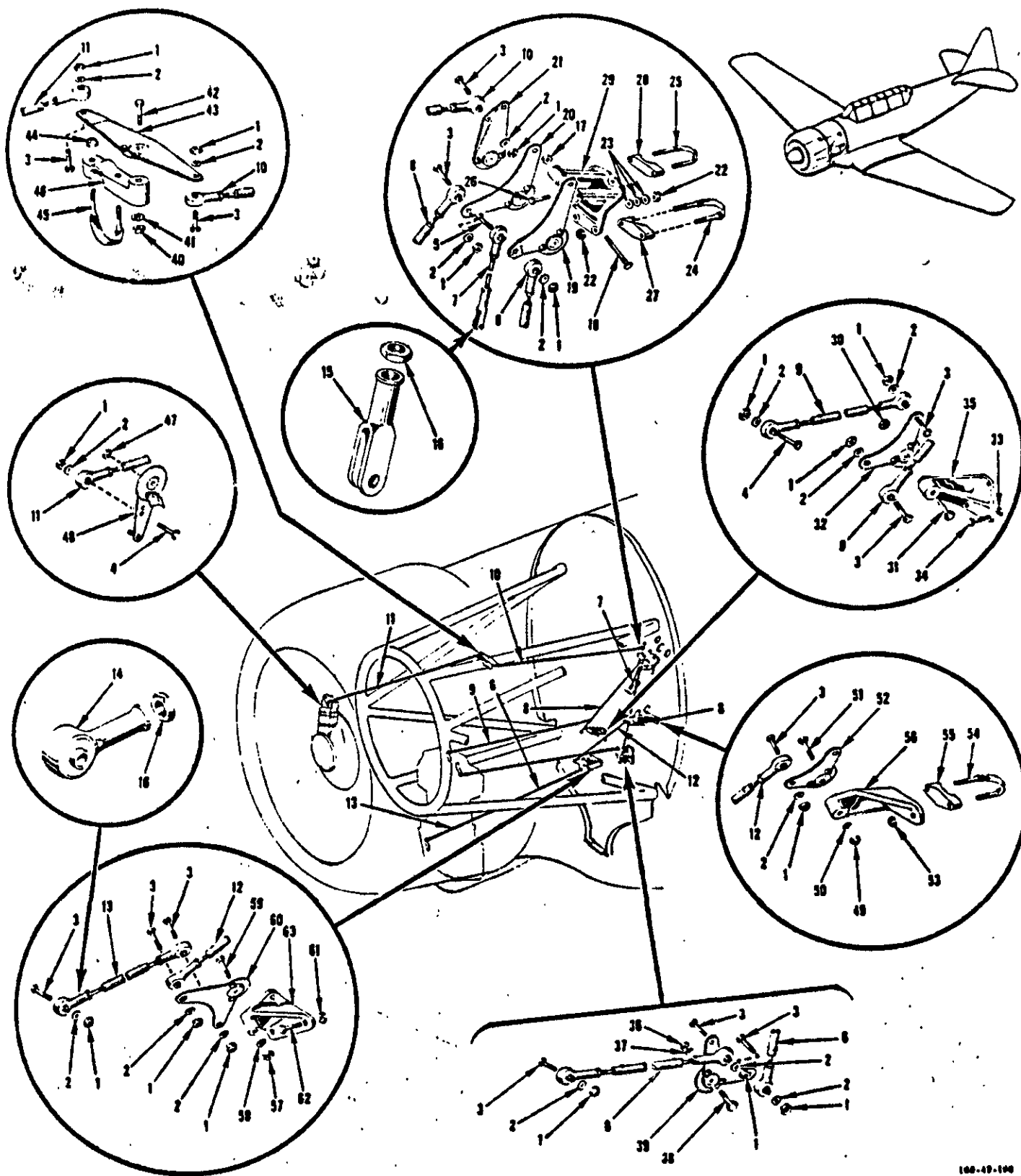
FIGURE 69 INSTEAD NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
POWER PLANT AND ENGINE SECTION (Cont)											
POWER PLANT ELECTRICAL EQUIPMENT											
69	168-54040	Electrical Equipment Installation - Power plant (see figure 37 for next assembly).								NP	ALL
-1	AN3106-22-12S	Plug - Electrical connector straight type PA (generator)								2	ALL
	AN3057-12	Adapter - Electrical accessory to cable								2	ALL
-2	No Number	Generator - Type M-3 (Spec. 95-32361) (OFF)								1	ALL
-3	2083-25	Plug - Electrical connector straight (starter) (CED)								1	ALL
	AN3057-16	Adapter - Electrical accessory to cable								1	ALL
-4	No Number	Starter - Type G-5 (Spec. 95-32303) (OFF)								1	ALL
-5	AN3106-14S1S	Plug - Electrical connector straight type PA (carburetor mixture temperature bulb)								1	ALL
	AN3057-10	Adapter - Electrical accessory to cable								1	ALL
-6	AN3106-12S3S	Plug - Electrical connector straight type PA (free air temperature bulbs)								2	ALL
	AN3057-4	Adapter - Electrical accessory to cable								2	ALL
-7	AN305-632	Nut - Self locking								6	ALL
-8	AN515-6R8	Screw - Round head machine coarse thread								1	ALL
-9	AN3099-1	Cover - Bottom fuselage lights								1	ALL
-10	AN3133-311	Lamp - S-11 bulb single contact candelabra bayonet base								1	ALL
-11	AN3097-3	Light Assembly - Upward recognition								1	ALL
-12	168-54140-3	Conduit - Electrical wire protective								1	ALL
-13	NAA1150-4SS56	Conduit Assembly - Flexible (MARI)								1	ALL
-14	NAA1150-4SS82	Conduit Assembly - Flexible (MARI)								1	ALL
-15	AN365-832	Nut - Self locking								2	ALL
-16	AN515-8R10	Screw - Round head machine coarse thread								2	ALL
-17	AN742-12	Clamp - Loop type support								2	ALL
-18	VJR24B5X	Coil Induction Vibrator (700703 may be substituted)(OE)(OFF)								1	ALL
-19	NAA1150S6XT118	Conduit Assembly - Flexible (MARI)								1	ALL
-20	35A2533	Plug Assy - Electrical connector (ignition)								1	ALL
-21	AN3106-14S1S	Plug - Elec connector straight type PA (tachometer generator)								1	ALL
	AN3057-6	Adapter - Electrical accessory to cable								1	ALL
-22	AN3106-12S3S	Plug - Electrical connector straight type PA (oil temperature bulbs)								2	ALL
	AN3057-4	Adapter - Electrical accessory to cable								2	ALL
-23	159-54072	Box Assembly - Main power panel connector (modification)								Ref	
-24	AN5531-2	Generator - Electric tachometer								Ref	
-25	No Number	Regulator and Valve Assembly								Ref	



168-43-107B

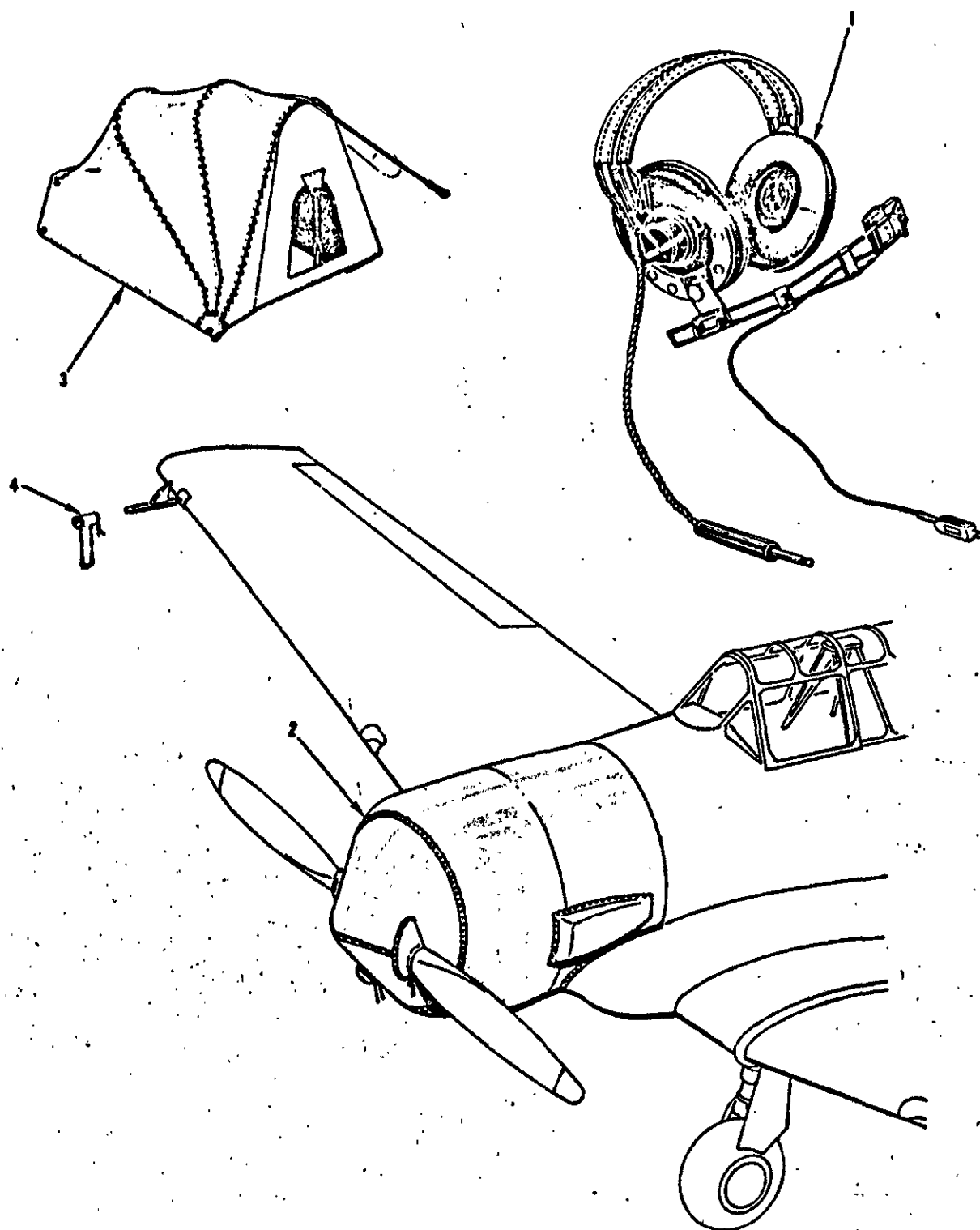
FIGURE 70 - ENGINE CONTROLS

FIGURE & PART NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
POWER PLANT AND ENGINE SECTION (Cont)											
ENGINE CONTROLS											
70	168-43031	Engine Controls Installation - (Modification) (see figure 15 for next assembly)									NP ALL
-1	AN320-3	Nut - Castle shear									2 ALL
-2	AN960-10	Washer - Plain									6 ALL
-3	AN23-10	Bolt - Clevis 10-32									2 ALL
-4	AN393-13	Pin - Flat head 3/16									4 ALL
-5	168-43803	Rod Assembly - Engine control (modification) (this part supersedes 168-43003)									3 ALL
-6	168-43007	Rod End - Engine control									2 ALL
-7	AN316-4R	Nut - Check									2 ALL
-8	AN110-3	Nut - Castellated airframe									1 ALL
-9	AN320-3	Nut - Castle shear									2 ALL
-10	AN960-10	Washer - Plain									4 ALL
-11	AN3-10	Bolt - Aircraft 10-32									1 ALL
-12	AN3-10	Bolt - Clevis 10-32									2 ALL
-13	AN393-13	Pin - Flat head 3/16									1 ALL
-14	168-43802	Rod Assembly - Engine throttle and mixture quadrant to firewall control (mod) This part supersedes 168-43002).									2 ALL
-15	U2275	End - Ball bearing rod (UA)									1 ALL
-16	AN316-4R	Nut - Check									1 ALL
-17	AN310-3	Nut - Castellated airframe									1 ALL
-18	AN960-10	Washer - Plain									2 ALL
-19	AN3-10	Bolt - Aircraft 10-32									1 ALL
-20	AN393-13	Pin - Flat head 3/16									1 ALL
-21	168-44803	Rod Assembly - Propeller quadrant to firewall control (this part supersedes 168-44003)									1 ALL
-22	U2275	End - Ball bearing rod (UA)									1 ALL
-23	AN316-4R	Nut - Check									1 ALL
-24	77-43010	Fairlead Assembly - Engine controls									1 ALL
-25	66-43025	Guide Assembly - Engine control rod									1 ALL
-26	AN365-1032	Nut - Self locking 250°F									8 ALL
-27	AN960-416	Washer - Plain (front cockpit only)									4 ALL
-28	NAS221-8	Screw - Brazier head Phillips recess alloy steel 10-32									4 ALL
-29	NAS221-10	Screw - Brazier head Phillips recess alloy steel 10-32									6 ALL
-30	AN365-428	Nut - Self locking 250°F									2 ALL
-31	AN365-428	Nut - Self locking 250°F									2 ALL
-32	5B6-18	Bolt - U (NA)									2 ALL
-33	23-43005	Support - Engine control quadrant									2 ALL
-34	AN310-3	Nut - Castellated airframe									1 ALL
-35	AN320-3	Nut - Castle shear									1 ALL
-36	AN3-10	Bolt - Aircraft 10-32									1 ALL
-37	AN23-15	Bolt - Clevis 10-32									1 ALL
-38	84-43807	Rod Assy - Carburetor air quadrant to firewall control									1 ALL
-39	No Number	Firewall Forward Engine Controls (see figure 71 for detail breakdown)									NP ALL
-40	168-43005	Control Assy - Front cockpit engine (modification) (altered from AS part No. 941123)									1 A1-A85
	168-43005-10	Control Assy - Front cockpit engine (modification) (altered from AS part No. 941123)									1 A86-,Z
	168-43006	Control Assy - Rear cockpit engine (modification) (altered from AS part No. 941124)									1 A1-A85
	168-43006-10	Control Assy - Rear cockpit engine (modification) (altered from AS part No. 941124)									1 A86-,Z
-41	24490-1	Button - Inner knob engine control throttle lever (AS)									1 A86-,Z
-42	168-43008	Spring - Compression									1 A86-,Z
-43	138185	Switch Assy - Snap (UCI) (Reference 45B2958)									1 A86-,Z
-44	24492	Insert - Knob engine control throttle lever (AS)									1 A86-,Z



100-49-100

FIGURE & INDEX NUMBERS	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
POWER PLANT AND ENGINE SECTION (Cont)											
FIREWALL FORWARD ENGINE CONTROLS											
71	No Number	Firewall Forward Engine Controls (See figure 70 for next assembly)									
-1	AN310-3	Nut - Castellated airframe								NP	ALL
-2	AN960-10	Washer - Plain								16	ALL
-3	AN3-10	Bolt - Aircraft 10-32								16	ALL
-4	AN3-11	Bolt - Aircraft 10-32								12	ALL
-5	AN3-14	Bolt - Aircraft 10-32								3	ALL
-6	88-43802	Rod Assembly - Engine throttle control								1	ALL
-7	55-54177	Rod Assembly - Throttle switch actuating								2	ALL
-8	88-43806	Rod Assembly - Engine mixture firewall control								1	ALL
-9	88-43804	Rod Assembly - Engine mixture firewall to carburetor control								1	ALL
-10	88-44801	Rod Assembly - Propeller firewall to engine control								1	ALL
-11	88-44803	Rod Assembly - Propeller engine to governor control								1	ALL
-12	88-43801	Rod Assembly - Carburetor air firewall control								1	ALL
-13	88-43805	Rod Assembly - Carburetor air firewall to mixing chamber control								1	ALL
-14	U2275	End - Ball bearing rod (UA) (2 used with each of items 6, 8, 9, 10, 11, 12, 13 above, 1 used with item 7)								1	ALL
-15	AN486-3	Clevis - Rod end adjusting (use only with 55-54177)								2	ALL
-16	AN316-4R	Nut - Check								1	ALL
-17	AN310-4	Nut - Castellated airframe								2	ALL
-18	AN4-41	Bolt - Aircraft 1/4-28								1	ALL
-19	55-43013	Bellcrank Assembly - Engine throttle control upper								1	ALL
-20	36-43011	Bellcrank Assembly - Engine mixture control upper								1	ALL
-21	55-44011	Bellcrank Assembly - Propeller control rear								1	ALL
-22	AN365-428	Nut - Self locking								1	ALL
-23	AN960-416	Washer - Plain								5	ALL
-24	5B7	Bolt - U								3	ALL
-25	77-43011	U-Bolt - Engine control bellcrank attaching								1	ALL
-26	AN4-5A	Bolt - Aircraft 1/4-28								1	ALL
-27	5C1	Clamp								1	ALL
-28	19-53506	Bracket - Shelf support								1	ALL
-29	28-43006	Bracket - Throttle mixture and propeller bellcrank support								1	ALL
-30	AN310-4	Nut - Castellated airframe								1	ALL
-31	AN4-20	Bolt - Aircraft 1/4-28								1	ALL
-32	55-43012	Bellcrank Assembly - Engine mixture control lower								1	ALL
-33	AN365-1032	Nut - Self locking								1	ALL
-34	AN3-5A	Bolt - Aircraft 10-32								3	ALL
-35	19-43008	Bracket - Bellcrank support								3	ALL
-36	AN310-4	Nut - Castellated airframe								1	ALL
-37	AN960-416	Washer - Plain								1	ALL
-38	AN4-16	Bolt - Aircraft 1/4-28								1	ALL
-39	28-43014	Bellcrank Assembly - Engine throttle control lower								1	ALL
-40	AN310-4	Nut - Castellated airframe								1	ALL
-41	AN960-416	Washer - Plain								1	ALL
-42	AN4-20	Bolt - Aircraft 1/4-28								1	ALL
-43	55-44008	Bellcrank Assembly - Propeller control center								1	ALL
-44	AN365-428	Nut - Self locking								1	ALL
-45	5B6-20	Bolt - "U"								2	ALL
-46	36-44007	Bracket - Propeller control front bellcrank support								1	ALL
-47	AN310-3	Nut - Castellated airframe								1	ALL
-48	77-44026	Bellcrank Assembly - Propeller control front								1	ALL
-49	AN310-4	Nut - Castellated airframe								1	ALL
-50	AN960-416	Washer - Plain								1	ALL
-51	AN4-17	Bolt - Aircraft 1/4-28								1	ALL
-52	36-43016	Bellcrank Assembly - Carburetor air control upper								1	ALL
-53	AN365-428	Nut - Self locking								1	ALL
-54	5B7	Bolt - "U"								2	ALL
-55	5C1	Clamp								1	ALL
-56	36-43017	Bracket - Carburetor air control upper bellcrank								1	ALL
-57	AN310-4	Nut - Castellated airframe								1	ALL
-58	AN960-416	Washer - Plain								1	ALL
-59	AN4-20	Bolt - Aircraft 1/4-28								1	ALL
-60	77-43030	Bellcrank Assembly - Carburetor air control lower								1	ALL
-61	AN365-428	Nut - Self locking								1	ALL
-62	AN4-6A	Bolt - Aircraft 1/4-28								3	ALL
-63	28-43015	Bracket - Carburetor air control lower bellcrank battery support								3	ALL



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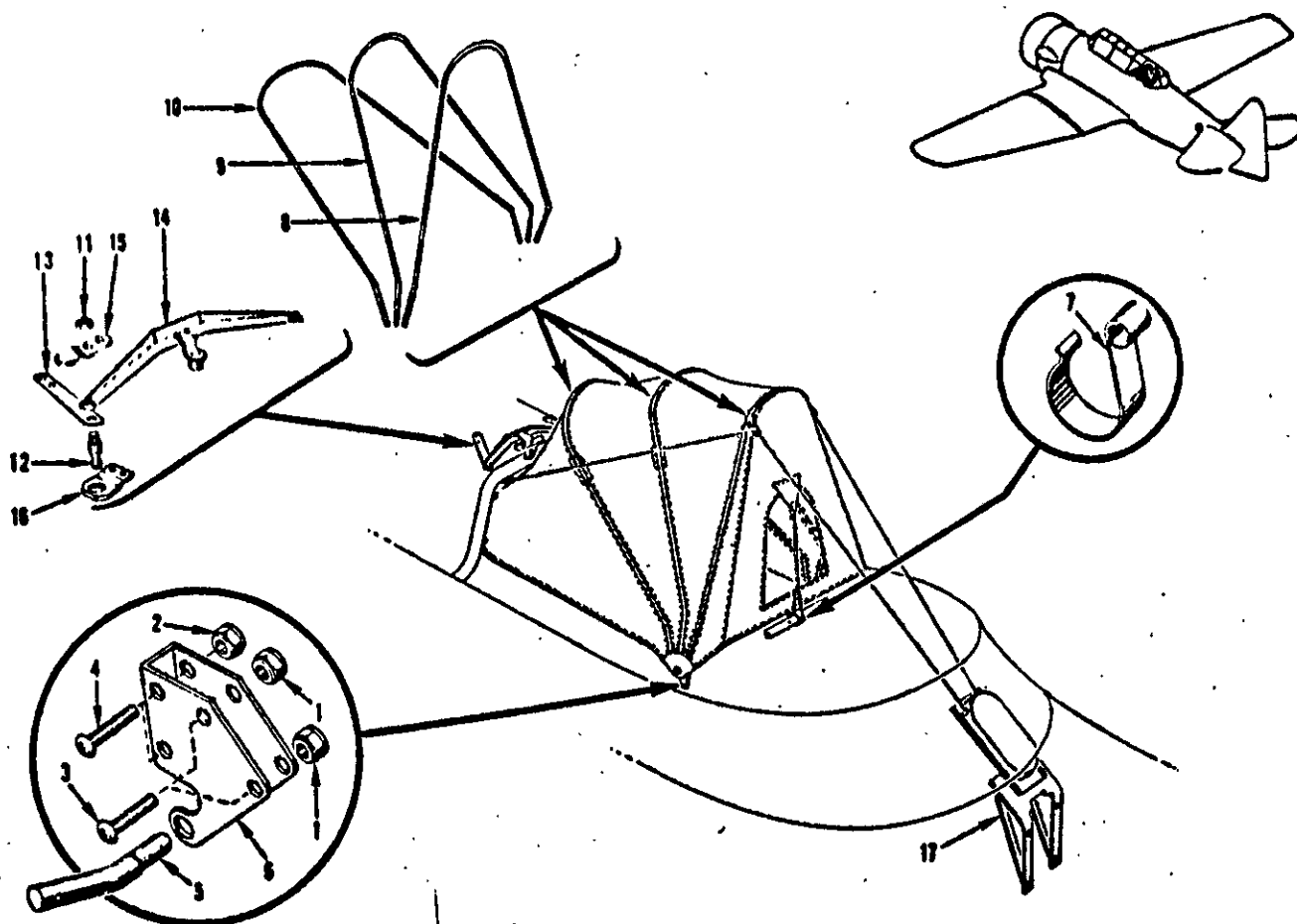
FIGURE 72 - LOOSE EQUIPMENT AND GENERAL DATA



## Group Assembly Parts List

FIGURE & PART NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
LOOSE EQUIPMENT											
LOOSE EQUIPMENT AND GENERAL DATA											
72	168-53075								Data Installation - Loose equipment and general (see figure 1 for next assembly)		
	168-53175								Data Installation - Loose equipment and general (see figure 1 for next assembly)	NP	A
	182-53075								Data Installation - Loose equipment and general (see figure 1 for next assembly)	NP	Z
	197-53075								Data Installation - Loose equipment and general (see figure 1 for next assembly)	NP	K,V
	No Number								Armament and Droppable Fuel Tank Equipment (see figure 72C for detail breakdown)	NP	W-
-1	168-71007								Headset and Microphone Assembly - Radio	NP	Z,Y
	HS33								Headset (TEL)	2	A
	TC198A								Microphone Unit (TEL)	1	A
	H46A/UR								Headset and Microphone	1	A
-2	77-73003								Cover - Engine	2	K
	16-40RC193-3								Handbook of Operating Instructions Radio Set RC193 (GFP)	1	ALL
	16-40SCR522-2								Handbook of Operating Instructions Radio Set SCR522 and SCR522A (GFP)	1	A
	16-30ARN7-2								Handbook of Operating Instructions Radio Set AN/ARN7 (GFP)	1	A, K,U
	16-30ARN12-6								Handbook of Operating Instructions Radio Set AN/ARN6 (GFP)	1	A
	16-30ARC3-2								Handbook of Operating Instructions Radio Set AN/ARN3 (GFP)	1	K-Z
	16-30ARN12-2								Handbook of Operating Instructions Radio Set AN/ARC12 (GFP)	1	K-Z
	AN16-1-66								Handbook of Operating Instructions for USAF Combat Interphone Group III "Q" File (GFP)	1	K
	01-60F6								Handbook of Inspection Requirements (GFP)	1	Z
	01-60FPA2								Erection and Maintenance Manual (GFP)	1	ALL
	16-40RC210-2								Handbook of Maintenance Instructions for Filter Equipment RC210 (GFP)	1	A
	No Number								Shipping Ticket - Form AF 104C (GFP)	1	P6-J57
	No Number								Invoice Envelope - Form AF 15A (GFP)	1	ALL
	01-60FFA1								Handbook of Flight Operating Instructions (GFP)	1	ALL
	01-60FFD1								Handbook of Operating Instructions (GFP)	1	AK,U
	No Number								Reports - Flight AF form 1 (GFP)	1	Z
	No Number								Reports - Flight AF form 1A (GFP)	1	ALL
	No Number								Record - Technical instructions compliance AF form 61 (GFP)	1	ALL
	No Number								Record - Technical instructions compliance AF form 60B (GFP)	1	ALL
	No Number								Record - Technical instructions compliance AF form 60A (GFP)	1	ALL
	No Number								Record - Maintenance and inspection form 41B (GFP)	1	ALL
	No Number								Book - Standard instrument approach procedure (Vol. I east U.S.) (Vol. I east U.S. and Vol. II west U.S. supersede 08-15-3)	1	A
	No Number								Book - Standard instrument approach procedure (Vol. II west U.S.) (Vol. I east U.S. and Vol. II west U.S. supersede 08-15-3)	1	ALL
	08-15-2								Book - Radio data and flight information (GFP)	1	ALL
	08-15-1								Chart - Radio facility (GFP)	1	ALL
	No Number								Inspector's and Pilot Final Acceptance - Report AF form 262 (GFP)	1	ALL
	No Number								Report - Aircraft checker's AF form 263C (GFP)	1	ALL
	AN01-11140								Check List and Loading Data Basic Weight	1	ALL
	168-54002								Wiring Diagram - Electrical equipment	1	K,U
	168-54004								Wiring Diagram - Electrical equipment	1	A1-D30
	182-54002								Wiring Diagram - Electrical equipment	1	Z
	197-54002								Wiring Diagram - Electrical equipment	1	K,V
	197-71127								Wiring Diagram - Electrical	1	W-
	168-54003								Wiring Diagram and Harness Assy - AN/ARN-7	1	W-
-3	168-73001								Wiring Diagram - Electrical equipment	1	D31-J57
									Hood Assembly - Instrument flying (replaces 168-73002 for future procurement. 168-73002 not OK for replacement on any airplanes and is to be scrapped when replacement is necessary) (see figure 72A)	1	
	168-71002								Wiring Diagram - Radio equipment	1	A1-A85
	168-71003								Wiring Diagram - Radio equipment	1	A1-A85
	168-71004								Wiring Diagram - Radio equipment	1	A86-J57
	182-71002								Wiring Diagram - Radio equipment	1	Z
	182-71003								Wiring Diagram - Radio equipment	1	K-
-4	109-73076								Wire Chart and Item List - Radio	1	W-
									Cover Assembly - Pitot tube (dust)	1	K

\*1 Rework in accordance with T. O. 1T-60-53.

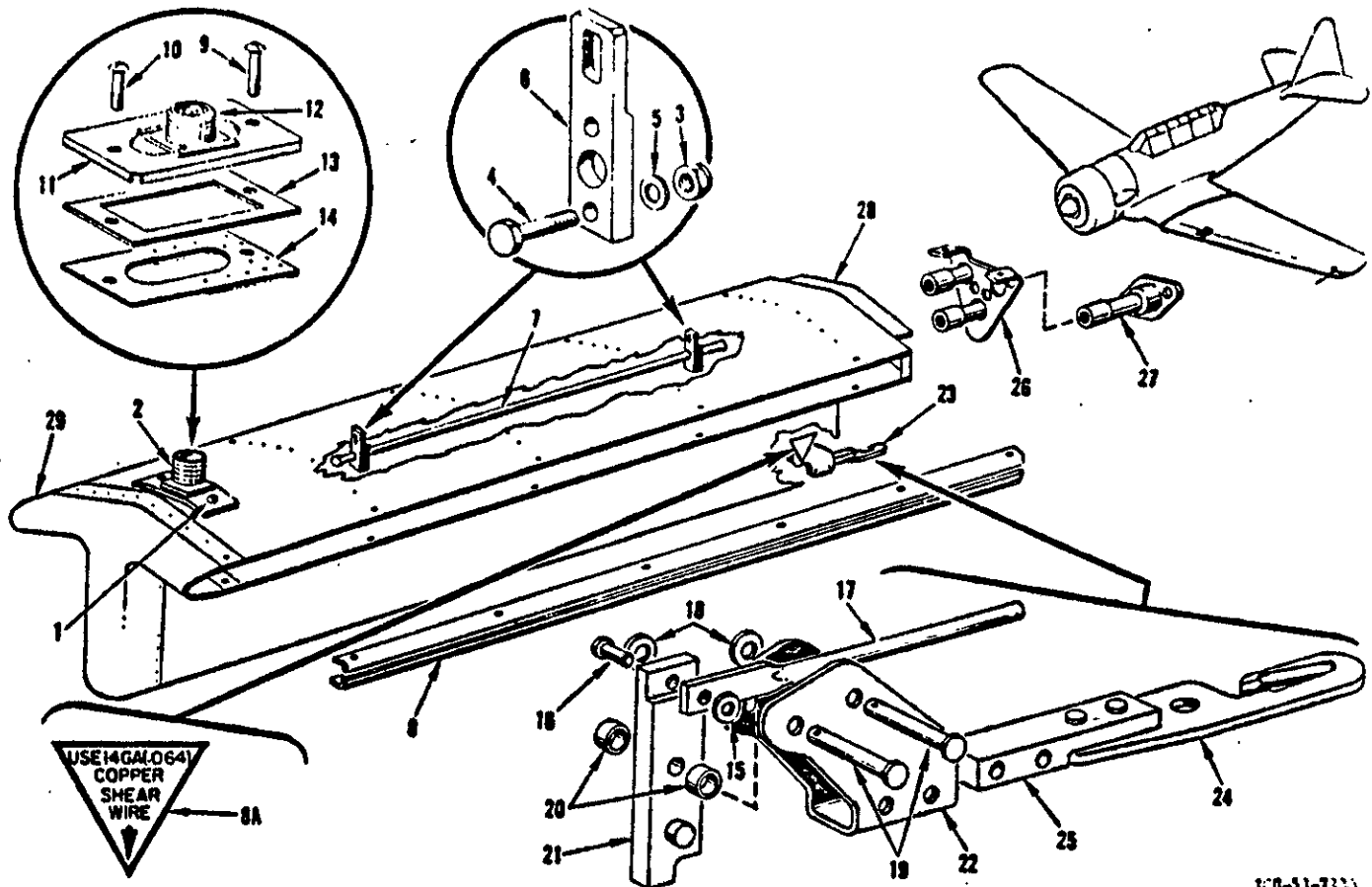


100-73-720B

FIGURE 72A - INSTRUMENT FLYING HOOD COMPLETE

FIGURE A INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
LOOSE EQUIPMENT (Cont)											
INSTRUMENT FLYING HOOD COMPLETE											
72A	168-73001	*1							Instrument Flying Hood Complete	Ref	ALL
-1	AN365-632								Hood Assy - Instrument flying (see fig. 72 for next assy).	4	ALL
-2	AN365-832								Nut - Self locking 250°F	4	ALL
-3	AN507-6R12								Nut - Self locking 250°F	2	ALL
-4	AN515-6R12								Screw - Machine flat head 100° (use on RH side)	2	ALL
-5	AN515-8R12								Screw - Machine round head coarse thread (use on LH side)	4	ALL
-6	59-73037-3								Screw - Machine round head coarse thread (LH and RH)	1	ALL
-7	100-73009-3								Arm - Instrument flying hood pivot	1	ALL
-8	168-73009-5								Pivot - Instrument flying hood left side	1	ALL
-9	168-73008								Pivot - Instrument flying hood right side	1	ALL
-10	168-73010								Hook - Instrument flying hood rear holddown	1	ALL
-11	168-73023								Bow - Instrument flying hood rear	1	ALL
-12	168-73024								Bow - Instrument flying hood center	1	ALL
-13	168-73018								Bow - Instrument flying hood front	1	ALL
-14	AN365-428								Release Installation - Instrument flying hood	NP	ALL
-15	168-73013								Nut - Self locking 250°F	2	ALL
-16	168-73017								Stud - Instrument flying hood attaching	2	ALL
-17	168-73014								Spring - Instrument flying hood release	2	ALL
-18	168-73015-1								Release Assembly - Instrument flying hood	1	ALL
-19	168-73015-2								Stop - Instrument flying hood attaching assy LH	1	ALL
-20	168-73016								Stop - Instrument flying hood attaching assy RH	1	ALL
-21	168-73004								Stop - Instrument flying hood	1	ALL
									Bracket Assy - Instrument flying hood retracting reel support (see figure 17)	Ref	

\*1 Rework in accordance with T. O. 1T-60-53.

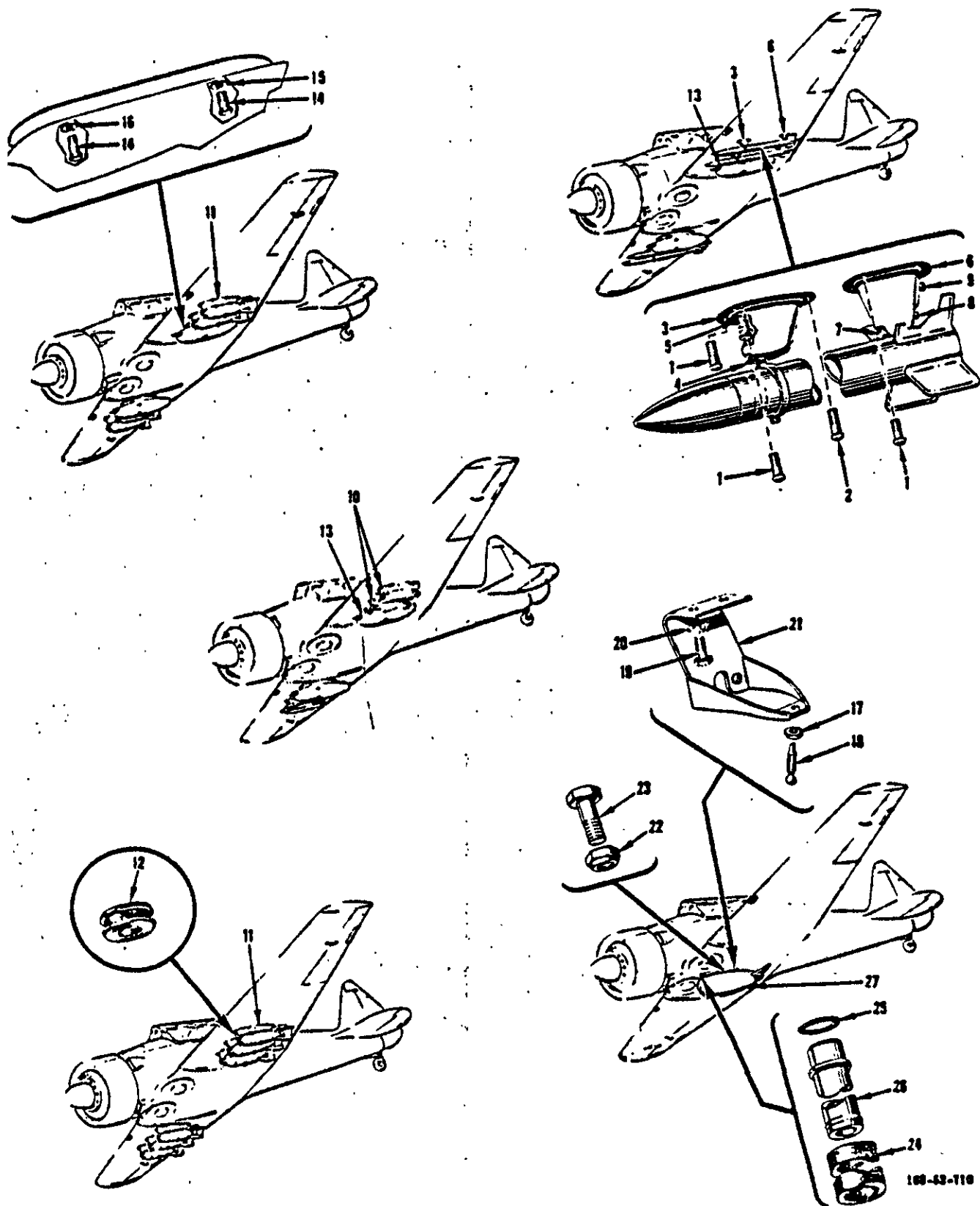


100-51-7121

FIGURE 72B - ROCKET LAUNCHER ASSEMBLY

FIGURE 72B PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	USEABLE ON CODE
								LOOSE EQUIPMENT (Cont) ROCKET LAUNCHER ASSEMBLY		
72B	159-68002							Rocket Launcher Assembly (when exhausted use 159-68002-10) (see figure 72C for next assembly)	Ref	Z,Y
-1	159-68002-10							Rocket Launcher Assembly (use 159-68002 until exhausted)	Ref	Z,Y
	AN515-6R8							Screw - Machine round head coarse thread (on 159-68002 only)	2	Z,Y
	159-68014							Cover Assembly - Rocket launcher (on 159-68002 only)	1	Z,Y
-2	AN3102-14S2P							Receptacle - Electrical connector box mounting	1	Z,Y
-3	AN365-428							Nut - Self locking 250 P	4	Z,Y
-4	AN4-10A							Bolt - Aircraft 1/4-28	4	Z,Y
-5	AN760D416							Washer - Plain	4	Z,Y
-6	159-68020							Lug - Rocket launcher	2	Z,Y
-7	159-68002-9							Tube - Rocket launcher	1	Z,Y
-8	159-68013							Rail Assembly - Rocket launcher	3	Z,Y
-8A	159-68021							Decal - Rocket launcher latch	1	Z,Y
-9	AN526-1032R12	*1						Screw	1	Z,Y
-10	AN526-1032R10	*1						Screw	1	Z,Y
-11	200-68007	*1						Track - Rocket launcher electrical connector upper	1	Z,Y
-12	AN3102A14S2P	*1						Receptacle	1	Z,Y
-13	200-68008	*1						Spacer - Rocket launcher electrical connector track	1	Z,Y
-14	200-68006	*1						Track Assy - Rocket launcher electrical connector lower	1	Z,Y
	159-68010							Latch Assembly - Rocket launcher	3	Z,Y
-15	AN760D6L							Washer - Plain	1	Z,Y
-16	AN392-9							Pin - Flat head 1/8	1	Z,Y
-17	159-68010-5							Handle - Rocket launcher	1	Z,Y
-18	AN760D10L							Washer - Plain	2	Z,Y
-19	AN392-27							Pin - Flat head 1/8	2	Z,Y
-20	484-6-6							Spacer - Rivet (North American)	2	Z,Y
-21	159-68011							Arm Assembly - Rocket launcher	1	Z,Y
-22	159-68010-3							Bracket - Rocket launcher	1	Z,Y
-23	159-68015							Knife Assembly - Rocket launcher igniter cable	3	Z,Y
-24	159-68016							Knife - Rocket launcher igniter cable	1	Z,Y
-25	159-68018							Support - Rocket launcher igniter cable knife	1	Z,Y
-26	159-68024							Plate Assembly - Rocket launcher receptacle	1	Z,Y
-27	Q237							Plug and Jack Assembly (GFP)	3	Z,Y
-28	159-68006							Fairing Assembly - Rocket launcher aft	1	Z,Y
-29	159-68005							Fairing Assembly - Rocket launcher fwd (on 159-68002 only)	1	Z,Y
	200-68005	*1						Fairing Assy - Rocket launcher	1	Z,Y

\*1 Used on 159-68002-10 only.

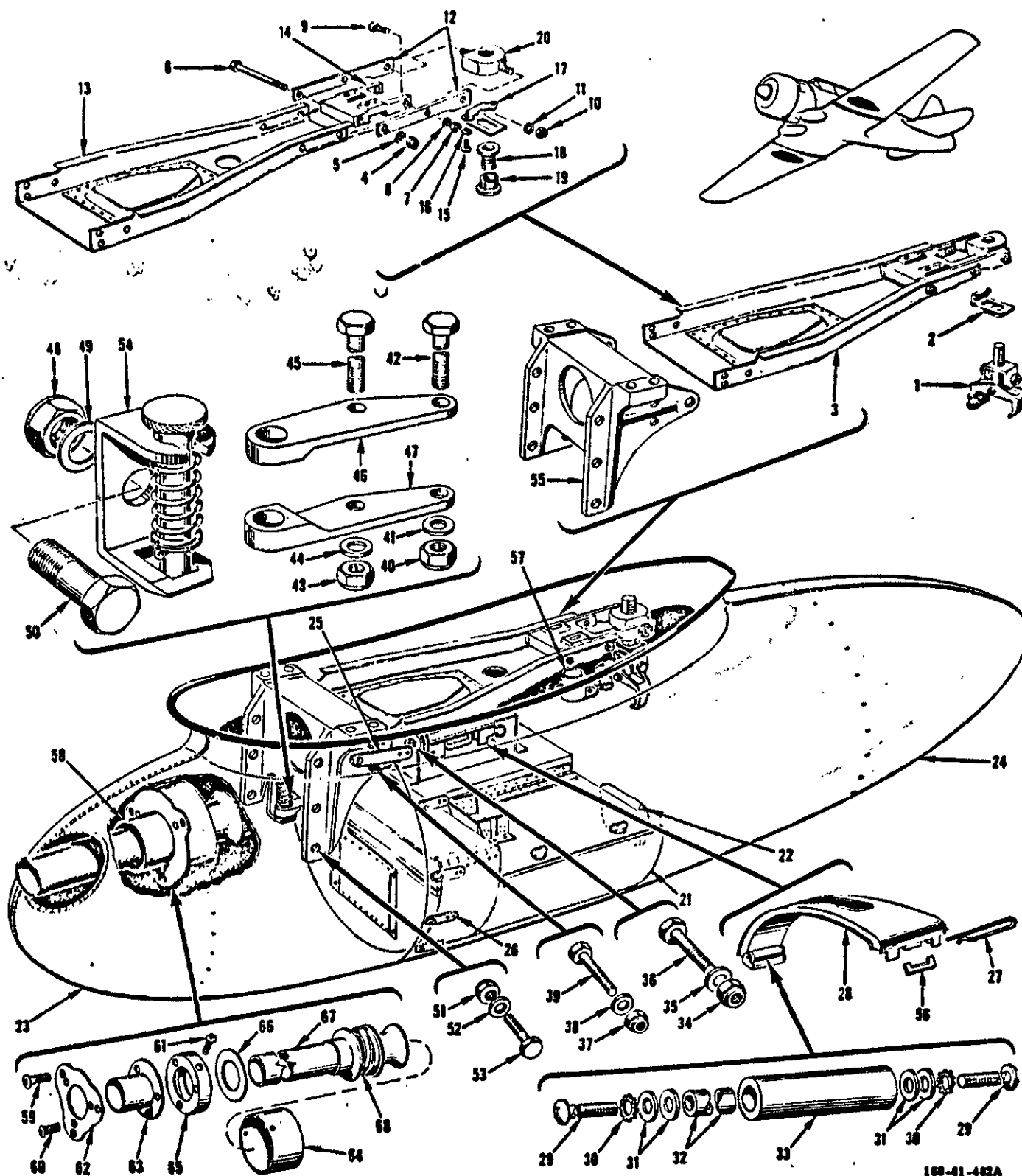


100-43-710

FIGURE 72C - ARMAMENT AND DROPPABLE FUEL TANK EQUIPMENT

## Group Assembly Parts List

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	USEABLE ON CODE
LOOSE EQUIPMENT (Cont)											
ARMAMENT AND DROPPABLE FUEL TANK EQUIPMENT											
72C	No Number	Armament and Droppable Fuel Tank Equipment (see figure 72 for next assembly)									
-1	NAS222-12	Screw - Brazier head Phillips recess alloy steel 1/4-28 . . . . .								NP	Z,Y
	NAS222-25	Screw - Brazier head Phillips recess alloy steel 1/4-28 (station 31.991 LH front mt) . . . . .								22	Z,Y
-2	NAS222-12	Screw - Brazier head Phillips recess alloy steel 1/4-28 (station 47.070) . . . . .								2	Z,Y
	NAS222-14	Screw - Brazier head Phillips recess alloy steel 1/4-28 (station 31.991) . . . . .								2	Z,Y
-3	121-68402	Mount Assembly - Rocket front . . . . .								2	Z,Y
-4	120-61407	Shoe Assembly - Rocket rack front . . . . .								4	Z,Y
-5	AN3054-3	Nut - Conduit coupling . . . . .								1	Z,Y
	109-61424-3	Support Assy - Rocket front mount . . . . .								1	Z,Y
-6	121-68403	Mount Assembly - Rocket rear . . . . .								4	Z,Y
-7	45B4656	Latch - Type C1 . . . . .								1	Z,Y
-8	109-61436	Support Assembly - Rocket rear mount receptacle . . . . .								1	Z,Y
-9	121-54413	Receptacle Assembly - Rocket rear mount electrical . . . . .								1	Z,Y
	109-61423-3	Support Assy - Rocket rear mount . . . . .								1	Z,Y
-10	159-68002-10	Launcher Assy - Rocket (use 159-68002 until exh) (see fig. 72B for detail breakdown) . . . . .								4	Z,Y
-11	168-63012	Rack Assy - Bomb complete (see fig. 72F for detail breakdown)								6	Z,Y
-12	AN931-10S14	Grommet - Elastic (station 32.900 and 51.150) . . . . .								4	Z,Y
	AN931-8S13	Grommet - Elastic (station 17.339) . . . . .								2	Z,Y
-13	121-61402-3	Package Assy - 30 caliber gun (see fig. 72D for breakdown) . . . . .								2	Z,Y
ATTACHING PARTS											
-14	AN5-12A	Bolt - Aircraft 5/16-24 . . . . .								8	Z,Y
-15	2W1AL20-22-64	Washer - Plain (NA) . . . . .								4	Z,Y
-16	AN960D516	Washer - Plain . . . . .								4	Z,Y
-17	AN316-5L	Nut - Check . . . . .								4	Z,Y
-18	168-48065	Screw Assy - Fuel drop tank sway brace adjustment . . . . .								4	Z,Y
-19	AN4-13A	Bolt - Aircraft 1/4-28 . . . . .								8	Z,Y
-20	AN960D416	Washer - Plain . . . . .								8	Z,Y
-21	168-48061-1	Brace Assembly - Fuel drop tank aft sway LH . . . . .								1	Z,Y
	168-48061-2	Brace Assembly - Fuel drop tank aft sway RH . . . . .								1	Z,Y
	168-48060-1	Brace Assembly - Fuel drop tank forward sway LH . . . . .								1	Z,Y
	168-48060-2	Brace Assembly - Fuel drop tank forward sway RH . . . . .								1	Z,Y
	45025670	Rack Assembly - Type S2 (GFP) . . . . .								1	Z,Y
-22	AN365-1032	Nut - Self locking 2500F (for release mechanism) . . . . .								1	Z,Y
-23	AN3-6A	Bolt - Aircraft 10-32 (for release mechanism) . . . . .								1	Z,Y
-24	3H2-10-15	Hose - (fuel) . . . . .								1	Z,Y
	3H2-6-15	Hose - (air) . . . . .								1	Z,Y
-25	934-12	Packing - "O" ring gasoline or kerosene resistant (fuel) . . . . .								1	Z,Y
	934-9	Packing - "O" ring gasoline or kerosene resistant (air) . . . . .								1	Z,Y
-26	168-48075	Line - Fuel drop tank (fuel) . . . . .								1	Z,Y
	168-48076	Line - Fuel drop tank (air) . . . . .								1	Z,Y
-27	No Number	Tank Assy - Fuel system drop (NAA Part No. 168-948016) . . . . .								1	Z,Y



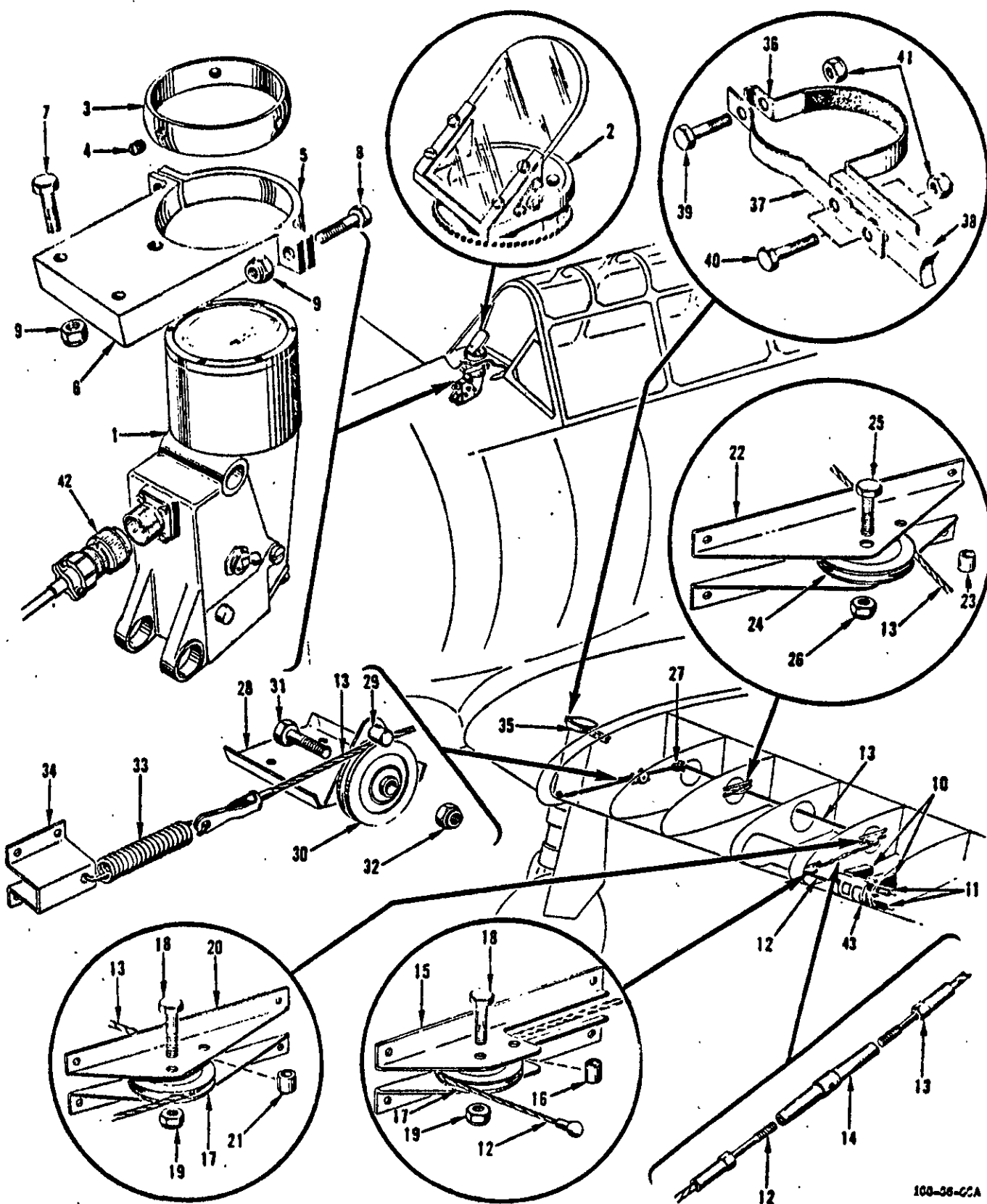
**FIGURE 72D - 30 CALIBER GUN PACKAGE ASSEMBLY**

## Group Assembly Parts List

FIGURE & NOTE NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	USEABLE ON CODE
LOOSE EQUIPMENT (Cont)											
30 CALIBER GUN PACKAGE ASSEMBLY											
72D	121-61402-3	Package Assy - 30 Caliber gun (see fig. 72C for next assy)									Ref
-1	68-500	Post Assy (TIB) (121-61425)									1
-2	134-61014	Detent - 30 Caliber nose guns rear mount adjusting screw									1
-3	121-61420	Mount Assy - 30 Caliber gun rear complete									1
-4	AN365-428	Nut - Self locking 2500P									1
-5	AN960-416	Washer - Plain									1
-6	AN4-33A	Bolt - Aircraft 1/4-28									1
-7	AN320-4	Nut - Castle shear									1
-8	AN960-416	Washer - Plain									2
-9	AN24-13	Bolt - Clevis 1/4-28									2
-10	AN320-6	Nut - Castle shear									2
-11	AN960-616	Washer - Plain									2
-12	121-61413	Plate - 30 Caliber gun rear mount pivot									2
-13	121-61418	Channel - 30 Caliber gun mount									1
-14	121-61421	Mount - 30 Caliber gun rear									1
-15	AN501A10-6	Screw - Machine fillister head fine thread									2
-16	AN960-10	Washer - Plain									2
-17	134-61018	Lock - 30 Caliber rear mount adjustment									1
-18	134-61015	Screw - 6 Fixed 30 Caliber nose guns rear mount adjustment									1
-19	134-61013	Nut - 30 Caliber rear mount adjustment									1
-20	121-61414	Pivot - 30 Caliber gun rear mount									2
-21	168-61016	Box Assembly - 30 Caliber ammunition, case and link									1
-22	140-61092	Bag Assy - 30 Caliber ammunition									1
	120-615562	Cable Assy - 30 Caliber gun charger (in bag)									1
-23	121-61405-61	Fairing Assembly - 30 Caliber gun									1
-24	121-61405-3	Fairing Assembly - 30 Caliber gun forward									1
-25	121-61434	Fairing Assembly - 30 Caliber gun aft									1
-26	121-61433	Fastener Assy - 30 Caliber gun fairing upper									2
-27	121-61432	Fastener Assy - 30 Caliber gun fairing									8
-28	121-61430	Pin - 30 Cal. gun feed chute attaching									2
-29	7S1-1032-8	Chute Assembly - 30 Caliber feed									1
-30	4010-18	Screw - Button head									2
-31	AN960-10	Washer (SH)									2
-32	4S5-3	Washer - Plain									4
-33	121-61412	Spacer - Threaded									1
-34	AN365-524	Roller Assembly - 30 Caliber ammunition									1
-35	AN960D516	Nut - Self locking 2500P									2
-36	AN5-7A	Washer - Plain									2
-37	AN365-428	Bolt - Aircraft 5/16-24									2
-38	AN960D416	Nut - Self locking 2500P									4
-39	AN4-7A	Washer - Plain									4
-40	AN365-524	Bolt - Aircraft 1/4-28									4
-41	AN960D516	Nut - Self locking 2500P									1
-42	AN5-21A	Washer - Plain									1
-43	AN365-624	Bolt - Aircraft 5/16-24									1
-44	AN960D616	Nut - Self locking 2500P									1
-45	AN6-22A	Washer - Plain									1
-46	121-61416-1	Bolt - Aircraft 3/8-24									1
-47	121-61416-2	Adapter - 30 Caliber gun mount LH									1
-48	AN310-12	Adapter - 30 Caliber gun mount RH									2
-49	AN960-1216	Nut - Castellated airframe									1
-50	AN12-17	Washer - Plain									1
-51	AN365-428	Bolt - Aircraft 3/4-16									1
-52	AN960D416	Nut - Self locking 2500P									6
-53	AN4-7A	Washer - Plain									6
-54	44B11182	Bolt - Aircraft 1/4-28									6
-55	121-61415	Mount Assy - Gun trunnion type A1A (GFP)									1
-56	121-61431	Mount - Caliber gun front									1
-57	48C4021	Adapter - 30 Caliber feed chute									1
	No Number	Solenoid - 24 V Type G9 (Spec MILS6785) (GFP)									1
-58	121-61435	Gun - 30 Caliber machine model M2 (GFP)									1
	ATTACHING PARTS	Seal Assy - 30 Caliber gun barrel									Ref
-59	NAS221-9	Screw - Brazier head Phillips recess audy steel 10-32									3
-60	AN509-10R8	Screw - 100° Flat head structural									3
-61	NAS221-8	Screw - Brazier head Phillips recess alloy steel 10-32									3
-62	134-61090	Plate - Blast tube									1
-63	121-61440	Tube - 30 Cal. gun barrel seal									1
-64	134-61106	Cover Assy - Gun barrel blast seal									1
-65	134-61105-10	Housing Assy - Gun barrel blast seal									1
-66	121-61439	Shield - 50 Caliber gun barrel seal									1
-67	121-61436	Sleeve Assy - 30 Caliber gun barrel seal									1
-68	121-61102	Spring - 30 Caliber gun barrel									1

Section II  
Group Assembly Parts List

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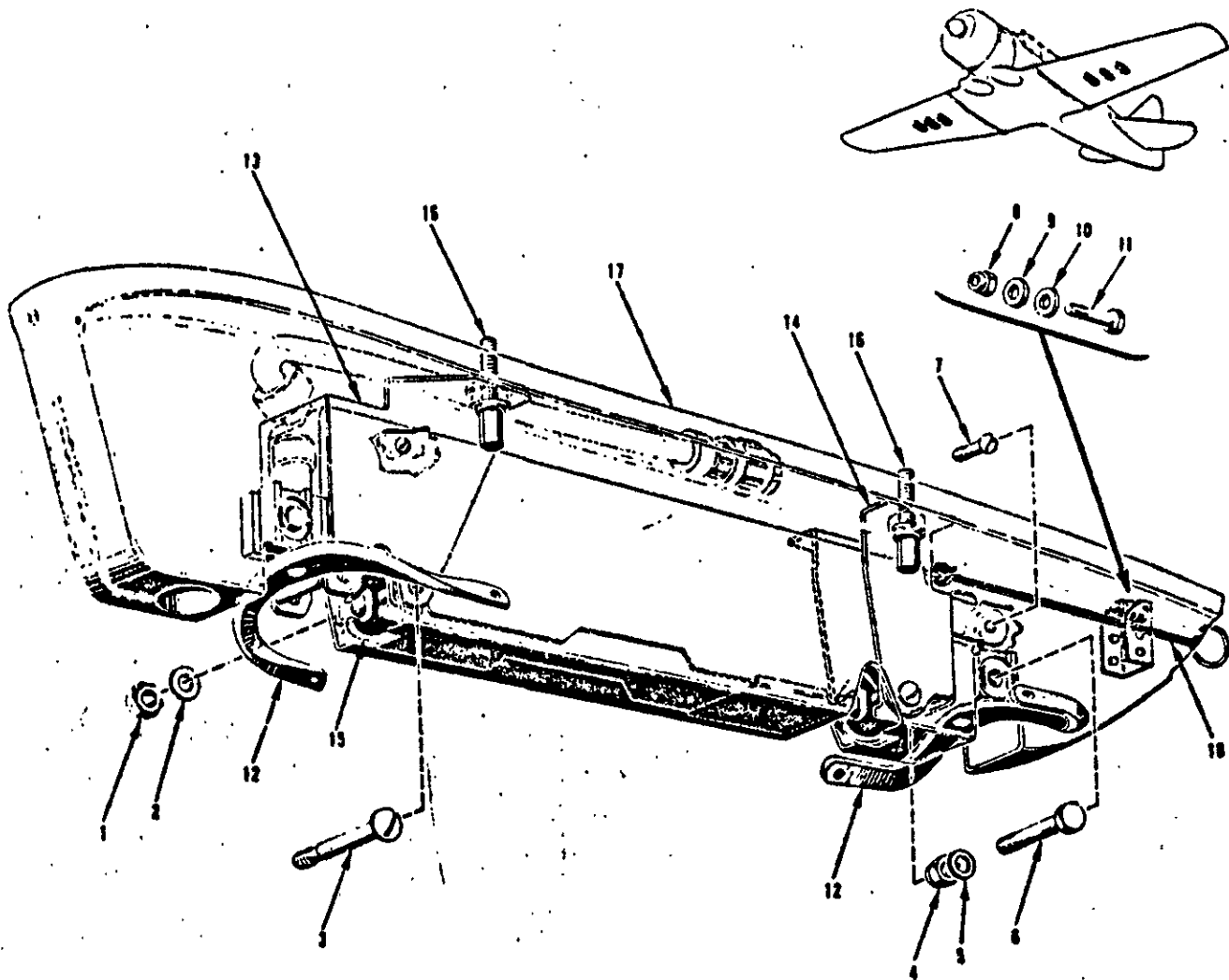
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FIGURE 72E - CAMERA AND GUNSIGHT ASSEMBLIES



## Group Assembly Parts List

FIGURE & PARTS NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	USEABLE ON CODE
LOOSE EQUIPMENT (Cont)											
CAMERA AND GUNSIGHT ASSEMBLIES											
72E		Camera and Gunsight Assembly									
-1	168-61001	Gunsight Instl - Front cockpit (see fig. 1 for next assy)									NP Z,Y
-2	No Number	Sight Assy - Type N3C-2 fixed gun (4404522) (GFP)									1 Z,Y
-3	168-61614	Head Assembly - Type A12 (GFP)									1 Z,Y
-4	AN365D8-3	Ring - Gunsight support.									1 Z,Y
	168-61612	Screw - Headless set									3 Z,Y
-5	168-61612-3	Support Assembly - Gunsight.									1 Z,Y
-6	168-61612-5	Clamp - Gunsight.									1 Z,Y
-7	AN3-12A	Clamp - Gunsight.									1 Z,Y
-8	AN3-7A	Bolt - Aircraft 10-32.									4 Z,Y
-9	AN365-1032	Bolt - Aircraft 10-32.									2 Z,Y
	168-66001	Nut - Self locking 250°P									6 Z,Y
-10	ANNGA	Camera Instl - WOP sta 75.445 (see fig. 3A for next assy)									NP Z,Y
	AN960D10	Camera (GFP)									2 Z,Y
	AN365-1032	Washer - Plain									8 Z,Y
	No Number	Nut - Self locking 250°P									8 Z,Y
	AN3-4A	Mount - Model B type 159 (Huber Engineering Co.)									2 Z,Y
	AN960D10	Bolt - Aircraft 10-32.									8 Z,Y
	168-66030	Washer - Plain									8 Z,Y
	168-66005	Support Assy - WOP Gun camera.									1 Z,Y
-11	159-66011	Indicator - Rocket camera position									1 Z,Y
-12	168-66041	Spring - Gun camera door retract									2 Z,Y
-13	168-66040	Cable Assy - Camera door forward									1 Z,Y
-14	AN155-8S	Cable Assy - Camera door aft									1 Z,Y
-15	168-66032	Barrel - Turnbuckle.									1 Z,Y
-16	NAS42DD4-20A	Bracket Assy - WOP sta 60.357 camera door forward pulley									1 Z,Y
-17	AN210-1A	Spacer - Rivet.									1 Z,Y
-18	AN3-6A	Pulley - Anti-friction bearing control									2 Z,Y
-19	AN365-1032	Bolt - Aircraft 10-32.									2 Z,Y
-20	168-66033	Nut - Self locking 250°P									2 Z,Y
-21	NAS42DD4-20A	Bracket Assy - WOP sta 60.357 camera door aft pulley									1 Z,Y
-22	168-66034	Spacer - Rivet.									1 Z,Y
-23	NAS42DD4-20A	Bracket Assy - WOP sta 17.961 camera door pulley									1 Z,Y
-24	AN210-1A	Spacer - Rivet.									1 Z,Y
-25	AN3-6A	Pulley - Anti-friction bearing control									1 Z,Y
-26	AN365-1032	Bolt - Aircraft 10-32.									1 Z,Y
-27	168-66035	Nut - Self locking 250°P									1 Z,Y
	NAS42DD4-20A	Bracket Assy - WOP sta 0 camera door aft pulley.									1 Z,Y
	AN210-1A	Spacer - Rivet.									1 Z,Y
	AN3-6A	Pulley - Anti-friction bearing control									1 Z,Y
-28	AN365-1032	Bolt - Aircraft 10-32.									1 Z,Y
-29	168-66036	Nut - Self locking 250°P									1 Z,Y
-30	NAS42DD4-10A	Bracket Assy - Camera door sta 0 forward pulley.									1 Z,Y
-31	AN210-1A	Spacer - Rivet.									1 Z,Y
-32	AN3-5A	Pulley - Anti-friction bearing control									1 Z,Y
-33	AN365-1032	Bolt - Aircraft 10-32.									1 Z,Y
-34	130-52086	Nut - Self locking 250°P									1 Z,Y
-35	168-66039	Spring - Servo release cable									1 Z,Y
-36	168-66037	Clip - Camera door override spring attaching									1 Z,Y
-37	168-66037-3	Strap Assembly - Camera door cable chafing block									1 Z,Y
-38	168-66037-5	Strap - Camera door cable chafing block									1 Z,Y
-39	168-66038	Strap - Camera door cable chafing block									1 Z,Y
-40	AN3-6A	Block - Camera door cable chafing block.									1 Z,Y
-41	AN3-10A	Bolt - Aircraft 10-32.									1 Z,Y
-42	AN365-1032	Bolt - Aircraft 10-32.									2 Z,Y
-43	AN310GA12S3S	Nut - Self locking 250°P									3 Z,Y
	AN3057-4	Plug - (gun sight).									1 Z,Y
	168-66026	Adapter									1 Z,Y
		Door - WOP leading edge camera sliding (see fig. 3A)									Ref

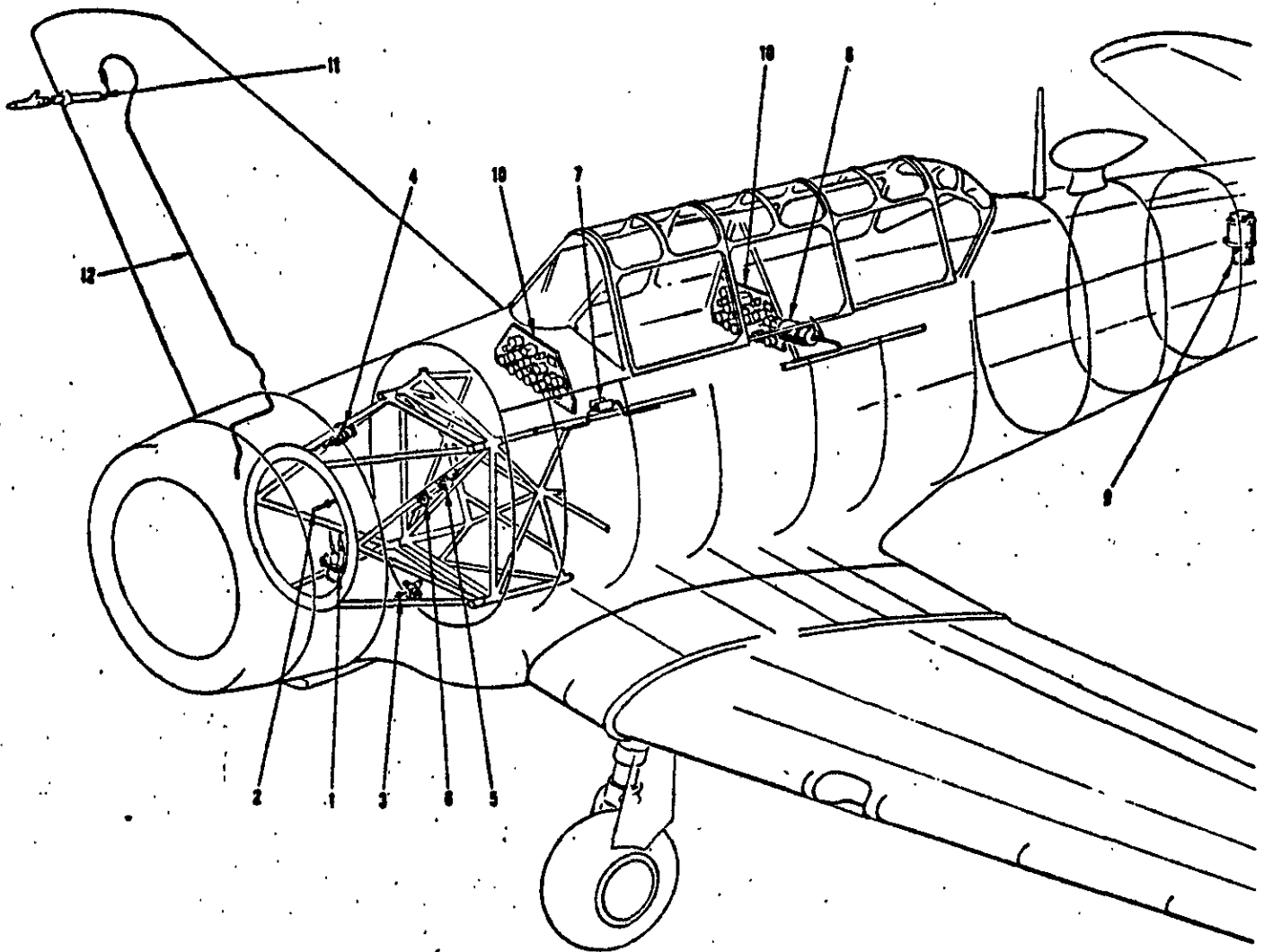


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FIGURE 72F - COMPLETE BOMB RACK ASSEMBLY

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	USEABLE ON CODE
LOOSE EQUIPMENT (Cont)											
COMPLETE BOMB RACK ASSEMBLY											
72F	168-63012								Rack Assembly - Bomb complete (see fig. 72C for next assembly)	Ref	Z,Y
-1	AN320-5								• Nut - Castle shear.	2	Z,Y
-2	AN960D516								• Washer - Plain.	2	Z,Y
-3	AN25-3 <sup>1</sup> / <sub>4</sub>								• Bolt - Clevis 5/16-24	2	Z,Y
-4	AN365-624								• Nut - Self locking 250°F.	2	Z,Y
-5	AN960-616								• Washer - Plain.	2	Z,Y
-6	AN6-13A								• Bolt - Aircraft 3/8-24	2	Z,Y
-7	AN520-10R8								• Screw - Machine round head fine thread.	4	Z,Y
-8	AN365-1032								• Nut - Self locking 250°F.	1	Z,Y
-9	AN960D10								• Washer - Plain.	1	Z,Y
-10	2W1P14-20-9 <sup>1</sup> / <sub>4</sub>								• Washer - Plain (NA)	2	Z,Y
-11	AN3-5								• Bolt - Aircraft 10-32	1	Z,Y
-12	159-63008								• Brace Assembly - Bomb rack away	2	Z,Y
-13	159-63003-9								• Support Assembly - Bomb rack front.	1	Z,Y
-14	168-63017								• Support Assembly - Bomb rack rear	1	Z,Y
-15	45G25670								• Bomb Rack Assembly - Type S2 (QFP)	1	Z,Y
-16	159-63014								• Bolt - Bomb rack attaching.	4	Z,Y
-17	168-63011								• Fairing Assembly - Bomb rack.	1	Z,Y
-18	159-63012-3								• Ring - Bomb rack cocking.	1	Z,Y

INDEX NO.	NOMENCLATURE	FIG. NO.
1	Vacuum Pump . . . . .	23
2	Carburetor Thermometer . . . . .	23
3	Oil Thermometer . . . . .	23
4	Tachometer Generator . . . . .	23
5	Vacuum Relief Valve . . . . .	23
6	Solenoid Air Valve . . . . .	23
7	Shut-Off Cock . . . . .	20
8	Air Filter . . . . .	20
9	Remote Compass . . . . .	20
10	Instrument Panels . . . . .	20
11	Pitot Static Tube . . . . .	3
12	Pitot Static Lines . . . . .	41



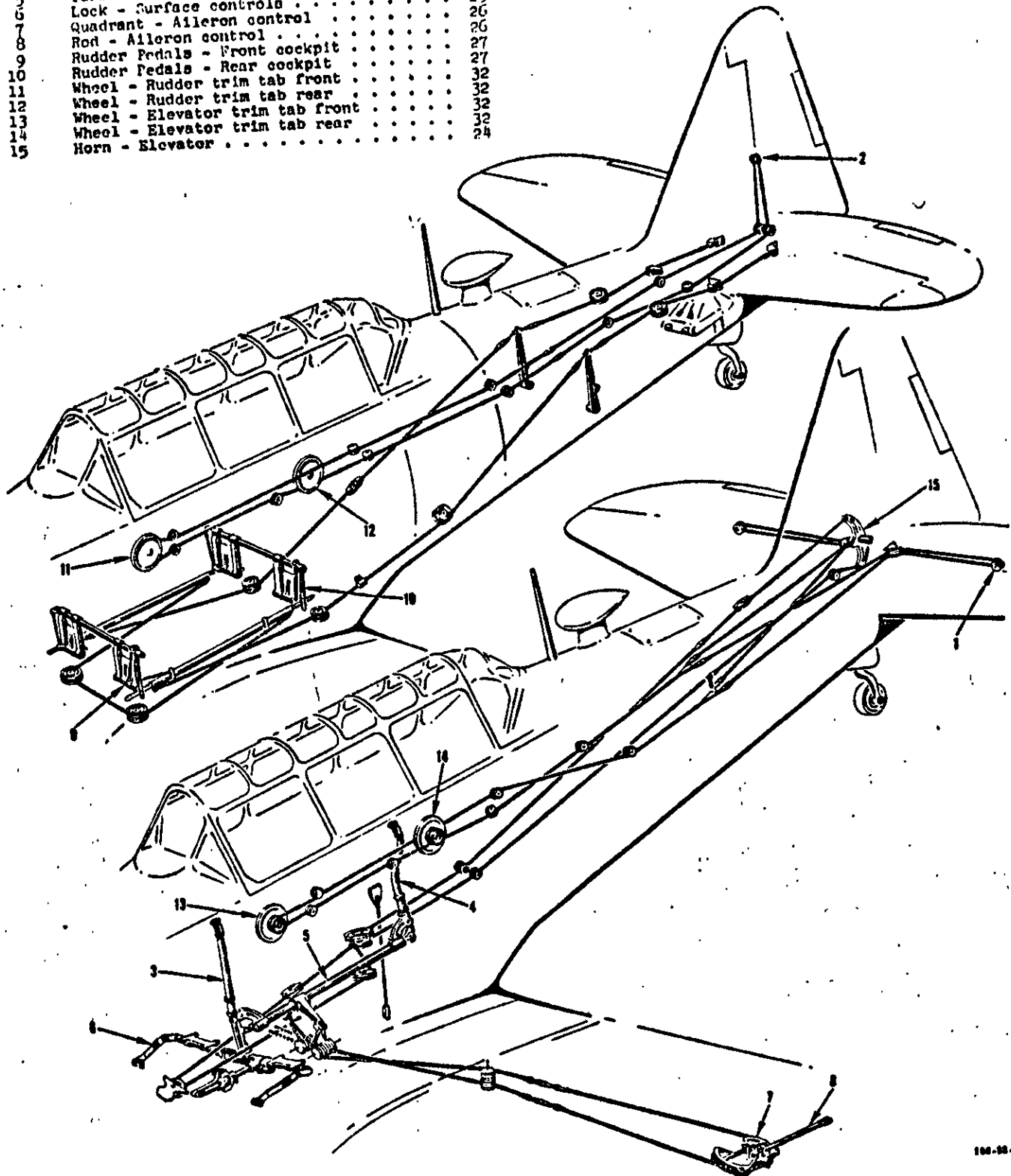
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FIGURE 71 - INSTRUMENT SYSTEM INSTALLATION

**Section II**  
**Group Assembly Parts List**

AN 01-60FFA-4

INDEX NO.	NOMENCLATURE	FIG. NO.
1	Drum - Elevator trim rear . . . . .	11
2	Drum - Rudder trim rear . . . . .	13
3	Control Stick - Front cockpit . . . . .	25
4	Control Stick - Rear cockpit . . . . .	25
5	Tube - Control stick aileron torque . . . . .	25
6	Lock - Surface controls . . . . .	26
7	Quadrant - Aileron control . . . . .	26
8	Rod - Aileron control . . . . .	27
9	Rudder Pedals - Front cockpit . . . . .	27
10	Rudder Pedals - Rear cockpit . . . . .	32
11	Wheel - Rudder trim tab front . . . . .	32
12	Wheel - Rudder trim tab rear . . . . .	32
13	Wheel - Elevator trim tab front . . . . .	32
14	Wheel - Elevator trim tab rear . . . . .	32
15	Horn - Elevator . . . . .	24



**FIGURE - 74 SURFACE CONTROLS SYSTEM INSTALLATION**

INDEX NO.	NOMENCLATURE	FIG. NO.
1	Filter - Hydraulic . . . . .	36
2	15SD1 Snubber (PA) . . . . .	36
3	Valve - One-way hydraulic . . . . .	36
4	Pump - Hand . . . . .	36
5	Pump - Engine driven . . . . .	36
6	Disconnect Block - Pressure line . . . . .	36
7	Disconnect Block - Suction line . . . . .	36
8	Reservoir - Hydraulic . . . . .	33
9	Valve - Selector . . . . .	33
10	Strut - Wing flap . . . . .	2
11	Cylinder - Master brake . . . . .	55
12	Strut - Main landing gear . . . . .	53

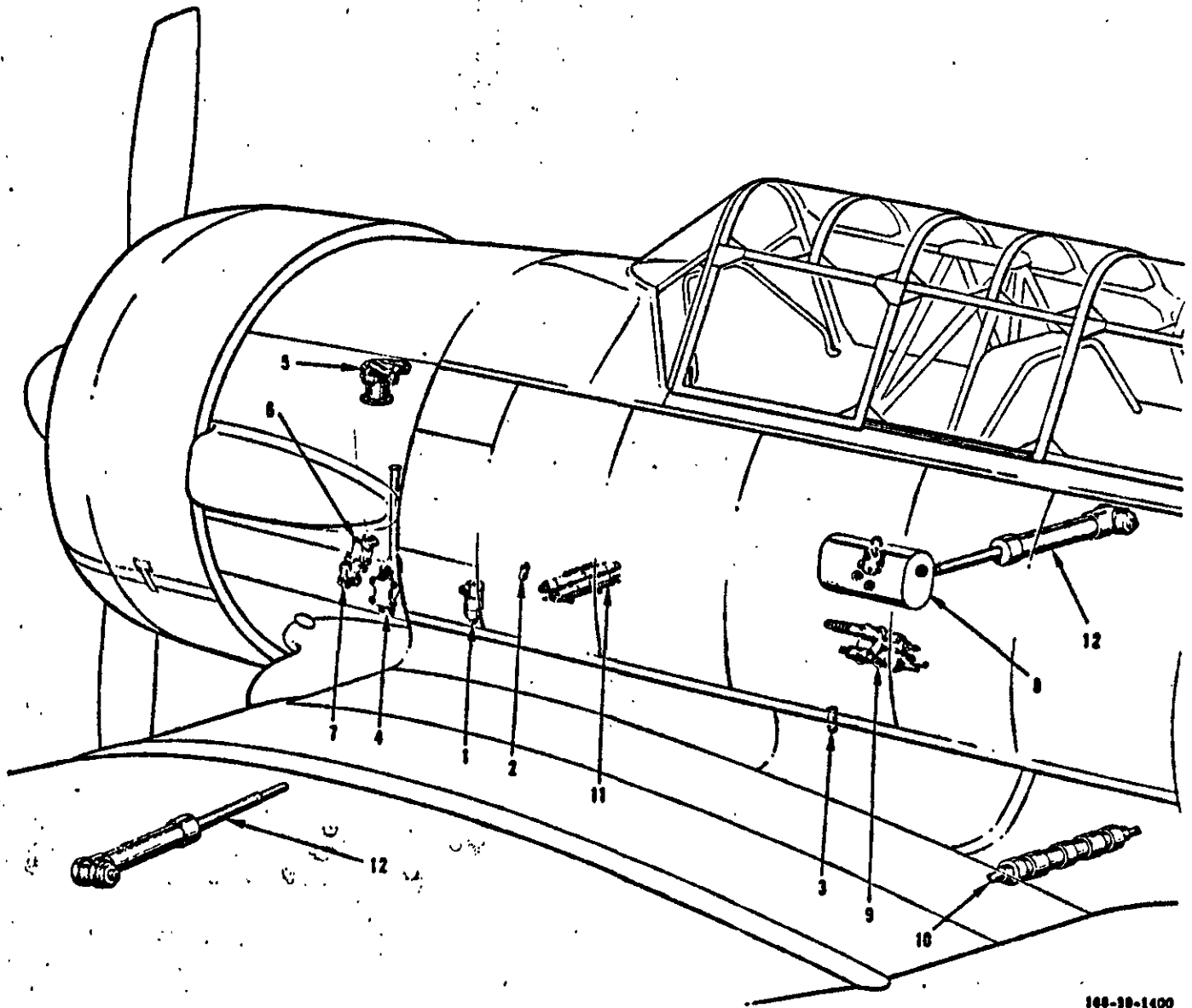
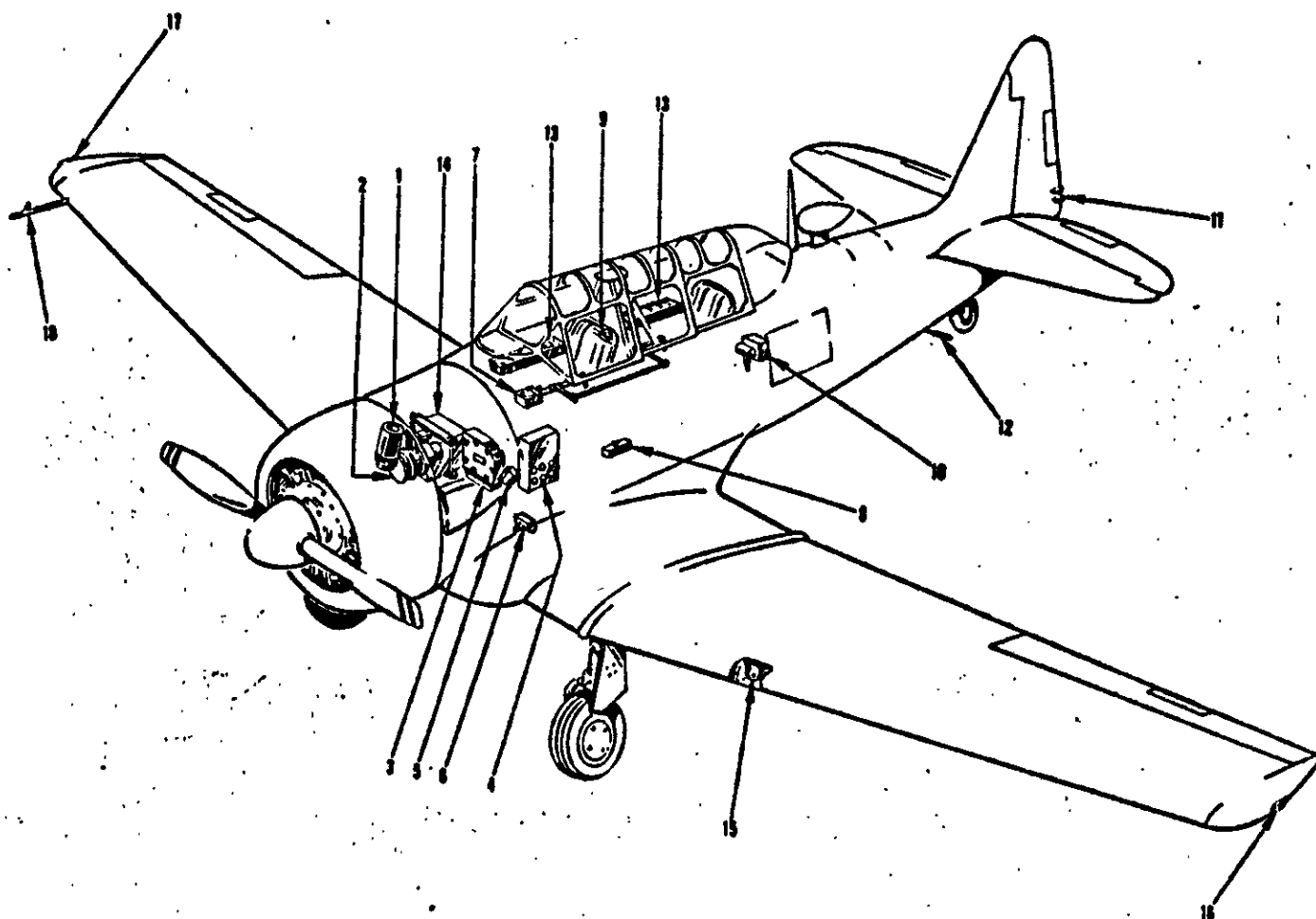


FIGURE 75 - HYDRAULIC SYSTEM INSTALLATION

INDEX NO.	NOMENCLATURE	FIG. NO.
1	Generator - Type M-3 . . . . .	69
2	Starter - Type G-5 . . . . .	64
3	Main Power Panel Connector Relay Box . . . . .	42
4	Generator Control Box . . . . .	40
5	Throttle Switch . . . . .	40
6	Tank Fluid Gage Light . . . . .	37
7	Ignition Switch Front and Rear . . . . .	38
8	Spare Lamps Box . . . . .	37
9	Warning Horn Type J-2 . . . . .	37
10	Inverter . . . . .	37
11	Tail Lights . . . . .	37
12	Static Ground Wire . . . . .	37
13	Consoles Front and Rear . . . . .	43
14	Battery . . . . .	39
15	Lamp . . . . .	41
16	Wing Position Light LH . . . . .	41
17	Wing Position Light RH . . . . .	41
18	Pitot Tube . . . . .	41



100-04-2700

FIGURE 76 - ELECTRICAL SYSTEM INSTALLATION

# SECTION III

## NUMERICAL PARTS LIST

PART NUMBER	FIGURE & INDEX NUMBER	QTY PER A/C	MICROFILM INDEX	PART NUMBER	FIGURE & INDEX NUMBER	QTY PER A/C	MICROFILM INDEX
Ball	34-9	1		AN151-16RS	57-40	1	
Battery	37-1	NP		AN200KP5	25-18	1	
Book	70	1		AN200KS4	2-102	6	
Book	70	1		AN200K3L	45-50	5	
Casing	53-46	2		AN200K4	2-104	2	
Casing	57-72	1		AN200K5	2-100	4	
Compass	22	1		AN201K6A	68-14	4	
Compass	22-17	2		AN210-1A	24-38	40	
Dehydrator	45-56	1		AN210-1B	5-44	3	
Fire Exting.	Removed Per. T.O. No.			AN210-2A	24-45	9	
	17-6-201			AN210-2B	56A-24	1	
Generator	69-2	1		AN210-3A	24-27	18	
Grip	25	1		AN210-4A	24-11	9	
Gun	72D	Ref		AN210-5A	24-4	1	
Head	72E-2	1		AN227-1L	15-71	1	
Horn	37A-16	1		AN227-4-9	15-73	1	
Inverter	37A-22	1		AN23-10	2-54	24	
Lamp	41-22	2		AN23-11	24-41	8	
Mount	72E	2		AN23-12	30-16	3	
Primer	65-32	1		AN23-13	24-6	3	
Regulator	40-22	1		AN23-14	30	5	
Relay	40-17	1		AN23-15	24-33	5	
Relay	42-18	1		AN23-16	30	3	
Relay	42-20	1		AN23-17	30	1	
Relay	42-21	1		AN23-20	2-25	2	
Release	37-29	1		AN23-21	57-36	1	
Resistor	37-19	3		AN23-23	32-29	1	
Resistor	37-20	1		AN23-24	53-2	2	
Resistor	37-23	1		AN23-25	53-3	3	
Resistor	37-22	2		AN23-30A	49-32	1	
Resistor	44-25	1		AN23-38	50-2	1	
Resistor	44	1		AN23-9	30	7	
Resistor	44-26	1		AN230B10	15-75	1	
Shunt	40-16	1		AN24-10	31-11	2	
Sight	72E-1	1		AN24-12	28-12	22	
Starter	69-4	1		AN24-13	31-31	21	
Tube	53	2		AN24-14	52-29	2	
Tube	57	1		AN24-16	52-31	2	
ABZUG	(see fig. 37-19)			AN24-17	2-5	17	
ACYOU	(see fig. 37-21)			AN24-18	52-55	2	
	(see fig. 37-22)			AN24-24	2-9	2	
AD3572	(see fig. 44-30)			AN24-32	56A-15	1	
AD3606	(see fig. 44-29)			AN24-36	8	2	
AP28	44E-35	2		AN24-44A	40-65	2	
AM26/A1C	44E	1		AN24-50	29-35	1	
AM300/A1C	44E-63	1		AN24-9	31-3	2	
AN01-1B40	72	1		AN25-18	25-2	2	
AN-03-10ED1	(see fig. 66)			AN25-34	72F-3	12	
AN-ASA3	44F-64	12		AN253-2-1543	43-35	2	
AN-C55	(see fig. 53-46)			AN253-2-1969	43-21	2	
AN-C55D	(see fig. 57-72)			AN253-2-3.0	15B-27	1	
AN-C99	(see fig. 22-8)			AN253-2-7.5	15B-3	1	
AN-114	(see fig. 93)			AN2552A3A	37A-20	2	
AN-128	(see fig. 22)			AN270B8	68-20	1	
AN-T78	(see fig. 57)			AN286-1	28-6	4	
ANN6A	72E-10	2		AN286-2	53-36	2	
AN104B	44A-35	3		AN286-3	13-30	5	
AN115-32	44B-28	3		AN3-10	4-16	19	
AN12-17	72D-50	2		AN3-10A	15-24	27	
AN155-16S	57-48	1		AN3-11	52-9	4	
AN155-85	72E-14	1		AN3-11A	2-48	31	
AN16-1-66	72	1		AN3-12	24-43	5	
AN161-16LS	13-26	1		AN3-12A	25-68	18	

## Numerical Index

T. O. 1T-6d-4

PART NUMBER	FIGURE & INDEX NUMBER	QTY PER A/C	MICROFILM INDEX	PART NUMBER	FIGURE & INDEX NUMBER	QTY PER A/C	MICROFILM INDEX
AN3-13	3-57	44		AN3106-14S23	37-9	20	
AN3-13A	2-77	36		AN3106-20-4S	45-14	1	
AN3-14	71-5	1		AN3106-22-12S	69-1	2	
AN3-14A	5-38	16		AN3106A10S23	41-43	2	
AN3-15	15A-5	3		AN3106A12S33	72E-42	1	
AN3-15A	39-27	4		AN3106A14S23	37A-28	4	
AN3-16	11-30	7		AN3106B18-93	44P-35	1	
AN3-16A	23-39	6		AN3106B36-73	44P-61	1	
AN3-17A	25-24	6		AN3107B14S2S	41-44	2	
AN3-20	60-49	2		AN3108A16S13	44E-65	1	
AN3-20A	14-59	3		AN3108B14S2S	44E-8	2	
AN3-21A	25-12	5		AN3108-18-13	44-8	1	
AN3-22A	48-38	14		AN3108-20-27S	44-5	1	
AN3-23A	18-3	3		AN3121-313	21-25	30	
AN3-25A	50-26	2		AN3123-301	37A	4	
AN3-26	57-38	1		AN3125-1	37A-13	2	
AN3-26A	6-45	2		AN3133-311	41-19	2	
AN3-27	56-12	5		AN3141-301	37A-8	3	
AN3-27A	23-34	2		AN315-3	15B-40	2	
AN3-3A	30-10	5		AN315-3R	16-35	8	
AN3-32A	50-29	2		AN315-4R	66-43	2	
AN3-4	18-21	6		AN315-6R	54-20	5	
AN3-4A	4-6	86		AN3150A	39-11	1	
AN3-40A	33-22	2		AN3155-200	37-35	1	
AN3-5	2-12	8		AN3155-25-200	15B-15	8	
AN3-5A	2-41	47		AN3157-2	21-23	4	
AN3-6	11-18	11		AN3157-3	37-27	9	
AN3-6A	7-3	18		AN3157-4	21-24	2	
AN3-7	5-18	23		AN3157-9	37-36	1	
AN3-7A	35-20	3		AN3158-1	13-34	1	
AN30-70	54-11	2		AN3158-2	13-33	1	
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AN3436-2-20	15B-18	22		AN4-27	26-8	2	
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AN515-4-7	40-32	4		AN5745-2A	(see fig. 22)		
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AN515-8R12	14	4		AN6-22A	72D-45	2	
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AN515-8R7	15-88	6		AN6-27	57-64	1	
AN515-8R8	3-53	80		AN6-31	54-16	2	
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AN8000	47-21	1		AN913-1D	20-29	5	
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AN824-4D	20A-9	3		AN931-6S10	15B-47	1	
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AN840-6	65-26	2		AN940-316	28-39	16	
AN840-8	36-17	1		AN940D416	48-47	2	
AN840-8D	23-50	1		AN960-10	2-11	219	
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AN842-16	62-7	2		AN960-1016	53-28	AR	
AN842-17	62-23	1		AN960-1216	72D-49	2	
AN842-4	66-16	2		AN960-4	42-3	4	
AN842-4D	20A-23	2		AN960-416	2-19	559	
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AN844-17	62-22	1		AN960-6	11-3	161	
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AN960D716	20A-29	1			44P		
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AM142/AIC	44A-22	6		CW141/ARN6	44B-20	1	
	44E-6			C1006	46A-8	2	
AM300/AIC	44A-3	2			46A-9		
	44E-63			C12	(see fig. 22)		
AS27A/ARN5	44-9	Ref		C13	(see fig. 22)		
AS313A/ARN6	44B-20	3		C14	(see fig. 22-15)		
	44P-31			C16	(see fig. 22)		
AS445B2	43-25	1		C2	(see fig. 22)		
AV1B1176	65A-1	1		C31006	46A	1	
AW1-7/8-21AK	22	2		C4/ARN7	(see fig. 44-13)		
AW1-7/8-21B	22	2			(see fig. 44-44)		
AW1-7/8-30AP4	22	2		C403A/A	44B-1	4	
All	(see fig. 22-8)				44B-40		
AXXININCOM	51-12	1		C404A/A	44C-4	4	
A2132	6-42	2			44K-46		
A313-2	59-24	1		C5	(see fig. 42-77)		
A3135	3	12		C695/AIC	44C-2	4	
A4-25	37-25	8			44E-36		
	37-41			C8	(see fig. 37-24)		
A5-35	44E-9	6		DC11A	44B	17	
	46C-17				45		
A7	(see fig. 38-8)				46B		
A8116-1	44D-3	2		DM53A	44-4	Ref	
	44D			DY21/ARC3	44A-12	2	
BC1033B	45	1			44E-14		
BC-602-()	46B	2		DY22/ARC3	44A-13	2	
BC624C	44B-3	2			44E-15		
	45-3			D27-276	(see fig. 53)		
BC625-()	46B	2		D3	(see fig. 66)		
BC733D	44-2	Ref			(see fig. 66-57)		
BCU4	52	1		D3-292A	(see fig. 67-71)		
BK22E	44D-9	1		EA504BP700	67-25	2	
B108	32-39	4		E1156-3-10	37-7	1	
B111745X	18-26	2		E1156-3-10	42A-7		
	18-31			E13	(see fig. 22-4)		
B12	(see fig. 23-41)			E4	(see fig. 36-52)		
B1212	29-55	2		E734	3-10	2	
	29-60			FC8444	(see fig. 53)		
B1616	32-44	2		FC9031	(see fig. 53)		
B1616P	32-72			FL30C	43-42	1	
	32-41	6		FT161	45-24	1	
	32-46			FT213 (A)	45-17	2	
B21	(see fig. 22-16)				44P		
B2930A	37A-1	4		FT244A	44B-4	2	
B3	(see fig. 22)				45-4		
	(see fig. 41-18)				46B		
B3457	13-31	2		FT293A	44-3	1	
B4	(see fig. 42-25)			FT488	44B-5	2	
B6	25	Ref			45-5		
B610	29-42	2			46B-7		
B8	(see fig. 22-9)			FT498	44A-2	2	
B812P	52-20	1			45-11		
B88P	29-6	2			46B-5		
	42-18			F1	(see fig. 22-1)		
B9	(see fig. 22-3)			F10	(see fig. 56-1)		
CAN15	45	1		F1202-3	15-61	1	
CA275X	42-19	1		P21/ARA9	44A-24	4	
CCA1500	65-54	3			46C-1		
	66-58			F4	(see fig. 22)		
CCA4900	67-30			GA5-312	46C-16	6	
	66-58			OE327	44C	8	
	67-30				44E		
CD365	54-53	1		G5	(see fig. 37-31)		
					(see fig. 37-37)		
					(see fig. 54-37)		
					(see fig. 69-4)		

PART NUMBER	FIGURE & INDEX NUMBER	QTY PER A/C	MICROFILM INDEX	PART NUMBER	FIGURE & INDEX NUMBER	QTY PER A/C	MICROFILM INDEX
HRB10	46-6	5		MT273B/ARN6	44B-11	3	
HH10	46A-3				44P-52		
HS33	46-1	6			44P-58		
H2-584L	46-21			MT28/ARN5	44-7	1	
H2-584R	72	2			44E		
H41B7016	53-42	1		MT556/AIC	44E-22		
H43B14392	53				46C-7		
H46A/UR	(see fig. 44-30)			MT589/ARN12	44P-36	1	
I	(see fig. 44-28)			MT677/AIC	44A-4	2	
ID138	72	2			44E-64		
	(see fig. 53)			NAA1150-4SS56	69-13	1	
IL5/U	37-41	3		NAA1150-4SS82	69-14	1	
IN79	37A-26			NAA1150S6XT118	69-19	1	
IN88	2-15			NAS2-101	51-11	3	
	44P-75	1		NAS2-103	57-24	1	
	45-47	1		NAS2-201	2-81	5	
	44B-32	5		NAS2-301	52-69	4	
	44B-40			NAS220-11	17-8	2	
	44P			NAS220-12	41-25	2	
	45-37			NAS220-14	25-55	32	
	45-88			NAS220-16	51-26	3	
	60-8	1		NAS220-18	17-9	2	
IM12A	(see fig. 21-34)			NAS220-20	16-9	1	
I101D	(see fig. 22-17)			NAS221-10	4-3	17	
I81A	(see fig. 42-13)			NAS221-11	3-27	28	
JANC25	(see fig. 44-36)			NAS221-12	16-36	15	
JANR11	(see fig. 44-37)			NAS221-14	4-12	4	
JH6500A	22	1		NAS221-16	3-13	9	
JH5500	22	2		NAS221-18	16-13	2	
JO200M	57-71	1		NAS221-19	7-10	2	
JU1031	46A-2	1		NAS221-21	48-33	2	
JU1031P3048	46	1		NAS221-22	16-6	1	
	46A			NAS221-29	7-11	2	
JX55F-RP	42-24	1		NAS221-7	18-7	1	
J2	(see fig. 37-39)			NAS221-8	3-51	16	
J68/ARC3	44A-11	2		NAS221-9	72D-59	3	
	44E-9			NAS222-11	6-31	22	
K10	46-4	4		NAS222-12	6-30	58	
LA1564-23-1/2	44E-58	2		NAS222-14	6-34	8	
LA1564-31 1/2	44P-31	1		NAS222-15	6-29	4	
LA1564-(76)	44-14			NAS222-16	6-40	80	
	44E-57	2		NAS222-17	6-39	4	
LA1564-93	44P			NAS222-18	8	18	
	45-19	2		NAS222-22	6-36	6	
	44P			NAS222-24	6-35	2	
LP21LM	45-55	2		NAS222-25	72C	2	
M275	44B-33	2		NAS222-5	6-37	72	
	44P-13			NAS27-4C	63-8	2	
M299	45-38			NAS42C6-12	37-5	2	
	44A-25	3		NAS42DD4-10A	72E-29	1	
	44D-6			NAS42DD4-18	46-16	8	
	46B-3			NAS42DD4-20A	72E-16	4	
M3	(see fig. 69-2)			NAS42DD4-8	44F-7	2	
M359A	44A-36	7		NAS43-3-23	15A-7	3	
	44B-8			NAS43C3-28	29-10	2	
	44B-13			NAS43C3-32	29-11	1	
	44P			NAS43C3-36	57-39	1	
	44P-16			NAS43DD4-24	31-18	1	
	44P-41			NAS43DD4-8	44E-7	5	
	45-45			NAS44A10-2	43	1	
	45-8			NAS44A6-2	43	3	
	44E-21			NAS44A6-5	43	1	
MC136	44P			NAS45-10-2	43	2	
	45-20	2		NAS45-10-4	40-14	1	
MC203	44E-59	1		NAS45-6-10	44D-15	1	
MC203A	44-21	1		NAS45-6-14	44D-10	3	
MC277	44B-23	2		NAS45-6-16	43-39	2	
MT236/ARC3	44A-14	2		NAS45-6-2	43-24	2	
	44E-16			NAS45-6-20	43-22	11	
MT237/ARC3	44A-9	2		NAS45-6-6	43-28	2	
MT237B/ARC3	44E-23	1		NAS45-6-7	44-40	5	
MT238/ARC3	44A-6	2		NAS45-8-2	56-25	1	
	44P-44			NAS45-8-4	37A-33	2	
MT238B/ARC3	44P-50	1		NAS45-8-7	37A-27	1	
				NAS51-21	46-18	4	

Section III  
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PART NUMBER	FIGURE & INDEX NUMBER	QTY PER A/C	MICROFILM INDEX	PART NUMBER	FIGURE & INDEX NUMBER	QTY PER A/C	MICROFILM INDEX
NAY981	(see fig. 60-63)			RE4F5	31-21	1	
PAR56	(see fig. 41-22)			RQ22/U	44-12	15"	
PC2891	5538	1		RQ8/U	44B-25	72"	
PC3 1/2	44C	14			44P-14	77"	
PE94-()	46B-4	1			45-22	36"	
PE94C	4A-1	2			45-30	72"	
	45-10			R101A/ARN6	44B-10	2	
PF3-1-2-38	44C	14			44P-48		
PLQ169	44B-6	3		R122/ARN12	44P-34	1	
	45-6			R1340AN1	60-13	1	
	46B-2			R5A/ARN7	45-16	2	
	46B				44P		
PLQ170	44B-7	3		R77A/ARC3	44A-8	2	
	45-7				44E-19		
PLQ171	46B				44-6	Ref	
	44A	2		R89B/ARN5A	49-21	4	
PLQ172	45-12	2		SK71-1032-8	49-11	4	
	44A			SK71-428-12	49-27	2	
PL108	45-13			SK97-1032-14	44-27	1	
	44-39	7		S306CCT	46B		
	44A-32			TC198A	72	2	
	44A-33			TM201	44B-24	2	
	44E-36				45-29		
	45-25			T49B	77-2	2	
PL112	45-54	1			78-12		
PL118	44-15	2		T516	77-9	2	
PL122	45-18	1			78-22		
PL148A	44A-16	2		T517	77-11	2	
	44E-13				78-14		
PL151A	44P-42	1		T517-2	77-12	2	
PL152A	44E	1			78-15		
PL153	44A-10	1		T518	77-14	2	
PL153A	44A-15	3			78-21		
	44E-10			T519	77-16	2	
	44E-22				78-4		
PL219	44B-22	2		T520-2	78-18	1	
	45-27			T520-3	78-19	1	
PL259A	44E-20	7		T523-2	78-9	1	
	44P-15			T523-3	78-10		
	44P-30			T524	78-6	1	
	44P-40			T526-2	78-7	1	
	45-21			T526-3	78-8	1	
PL271	44B-9	3		T527	78-26	1	
	45-9			T54	77-15	2	
	46B				78-5		
PL284	44-10	4		T542	77-6	2	
PL293	44-11	4			78-27		
PS3-1-2	44C	14		T545	77-8	2	
PS5223B120	67-38	8			78-23		
PS5223B7	67	2		T546	77-13	2	
P1	(see fig. 40-22)				78-13		
Q237	72B-27	3		T549	77-7	2	
Q901-14	15-51	8			78-29		
Q901-16	15-46	4		T55	77-10	2	
	44E-60				78-16		
Q901-16S	48-16	4		T554	77-3	2	
Q901-20	23-35	2			78-11		
Q901D18	15A-6	1		T556	77-5	2	
Q902-16	44-28	2			78-28		
Q902-20	44-22	4		T560	78-20	1	
	44-29			T567-2	78-2	1	
	44E-5			T567-3	78-3	1	
Q902-24	44-23	4		T574	78-17	1	
	44E-6			T575	78-25	1	
Q911A18-17	15A-30	1		T600	77-1	1	
Q911A18-20	15A-31	2		T602	78-1	1	
Q811-20-9	23-40	2			44A-5	2	
RC21AE103M	(see fig. 44-36)			T67/ARC3	44P-39		
RC21AE154M	(see fig. 44-37)				77-4	2	
REB3-1	11-27	6		T86	77-	1	
	13-16			T950	22	2	
RE3P4	57-44	2		T95100	78	1	
				T953			

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T59660	22	2		05-5-6	(see fig. 22)		
T59750	20A	1		05-75AA2	(see fig. 22)		
U15/U	44A-17	3		05-80-1	(see fig. 22)		
	44E-11			066650	68-22	1	
U16/U	44P-43	2		08-15-1	72	1	
	44A-18			08-15-2	72	1	
U2275	44E-12	19		08125	58-16	1	
	70-15			08231	58-17	1	
	70-22			1	(see fig. 72)		
	71-14			1A	(see fig. 72)		
U3180A	62	1		1B4	15-15	10	
U4400-1	62-30	1		1D138	37-38	1	
U61/U	44-20	3		1D57-2	58-23	1	
	44-36			1L5/U	44P-72	1	
VJR24B5X	44E-70	1		1M1B4	60-39	12	
V137	69-18	5		1N3-2	63-9	8	
	46-5				67-9		
W55/U	46-24	54		1N3-3	63-10	8	
	44-19	56			67-8		
	44-35	1		1P263E	36-51	1	
	44E-69	10		1P4	65-45	4	
W106A	44B-34	10		1S71LT12	(see fig. 39-17)		
	44B-37	12		1S71LT13-3	(see fig. 39-16)		
	45-39	10		10-1744-75	65A-2	2	
	45-52	16			65A-23	1	
	45-57	60		10-2649-84	67-32	2	
0-3903-101	48-25	2		10061-1A-A1	22	2	
01-60PFA1	72	1		10061-1D-A1	22	2	
01-60PFA2	72	1		10061-1E-A1	22	2	
01-60PFD-1	72	1		10062-1A	20A	1	
01-60P6	72	1		10062-1B	20A	1	
0150	15B-17	1		10062-1C	23-36	1	
0151-25-100	15B-31	1		10171	41-46	2	
02A10DC4B	(see fig. 60-10)			102401	22-1	2	
0200B	37-17	2		10283A	22	2	
0200B	42A-15			1029A7SW	44D-4	2	
03-10A2	(see fig. 66)			10322A	(see fig. 72)		
03-10EA1	(see fig. 66)			104C	22	1	
03-15-13	(see fig. 62)			10498A	22	1	
03-15-13	(see fig. 62)			1055-1	37	1	
03-15-32	(see fig. 62)			1055-1	42A-4	4	
03-15-32	(see fig. 62-60)			1055-1	72C	4	
03-15-8	(see fig. 62)			109-61423-3	72C	4	
03-20CA4	(see fig. 60-5)			109-61424-3	72C-8	5	
03-20CB2	(see fig. 60-3)			109-61436	44A-37		
	(see fig. 60-4)			109-71025	44B-14		
03-20CB7	(see fig. 60-1)				44P-29		
03-30AH1	(see fig. 23-4d)				45-44		
03-30AS2	(see fig. 23-3d)			109-73076	72	1	
03-5-55	(see fig. 37-8)			11-1039-1-10	36-33	1	
05-1-54	(see fig. 22-1)			11-1039-1-14D	36-3	1	
05-10-21	(see fig. 22)			11-1039-1-5	35-5	7	
05-15-19	(see fig. 22)				36-11		
05-15-30	(see fig. 22)				36-40		
05-15-5	(see fig. 20)				36-28		
	(see fig. 22)			110077	22	4	
05-20-17	(see fig. 22)			110430	22	2	
05-20-23	(see fig. 22)			1152A100	(see fig. 49)		
05-20-27	(see fig. 22)			1153C100	49	2	
05-20-52	(see fig. 22)			117-54240	3A-5	4	
05-20GB1	(see fig. 22)			117-54241	3A-6	4	
05-20GC2	(see fig. 22)			117-54243	3A-7	4	
05-20HCL	(see fig. 22)			117-54244	3A-3	4	
05-20HD4	(see fig. 22)			118-1-1000	45	1	
05-30-18	(see fig. 22)				44P		
05-35A6	(see fig. 22)			12-244-78	65A-11	1	
05-35A7	(see fig. 22)			12D40	(see fig. 60-3)		
05-40B12	(see fig. 22)			120-61407	72C-4	1	
05-40B5	(see fig. 22)			120-615562	72D	2	
05-40B6	(see fig. 22)			121-10001	1-1	NP	
05-40BA2	(see fig. 22)			121-14065	2-103	1	
05-40D1	(see fig. 22)			121-14065-1	2	1	
05-40D2	(see fig. 22)			121-21027	12-4	2	
05-40D5	(see fig. 22)				12-11		
05-5-4	(see fig. 22)						

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PART NUMBER	FIGURE & DIMENSION NUMBER	QTY PER A/C	REFERENCE INDEX	PART NUMBER	FIGURE & DIMENSION NUMBER	QTY PER A/C	REFERENCE INDEX
159-71055	44A-19	2		168-31008	14-12	1	
159-71090	44C	8		168-31025	17-12	2	
	44E-56				19		
16-30ARC3-2	72	1		168-31027	18-23	1	
16-30ARN12-2	72	1		168-31028	61-25	1	
16-30ARN12-6	72	1		168-31030	61-58	1	
16-30ARN7-2	72	1		168-31030-10	61	1	
16-40RC193-3	72	1		168-31031	61-59	2	
16-40RC210-2	72	1			61-63		
16-40SCR22-2	72	1		168-31032	61-60	1	
160-31859	31-26	1		168-31033	61-62	1	
160-31862	31-27	1		168-31050	14-18	1	
160-31875	31-23	1		168-31050-100	18	Ref	
162-16	49-45	2		168-31051-100	14-19	1	
162-62	49-49	2		168-31052	14-69	1	
163-52	49-48	2		168-31053	14-68	1	
1636-6A-A1	22	2		168-31054	14-70	1	
1636-6A-B1	22	2		168-31055	14-66	1	
1636-6H-B1	22	2		168-31056	14-67	1	
1636-6M-B1	22	2		168-31058	18-28	1	
1636-6M-B2	22	2		168-31104	15-11	1	
1637	2-82	1		168-31105	14-39	1	
165-318142-1	61-61	1		168-31106	14-62	2	
					19		
168-00001	1	NP		168-31106-100	14	1	
168-13001	2	1			17	Ref	
	6	Ref		168-31106-200	14	1	
168-13001-100	2	1			17	Ref	
	6	Ref		168-31108	17A	1	
168-13001-200	2	1		168-31108-100	17A	1	
	6	Ref		168-31109	17	NP	
168-13002	6-1	1		168-31109-100	17	NP	
	7	Ref		168-31110	17	1	
168-13002-100	6	1		168-31117-3	15	1	
	7	Ref		168-31117-5	15	1	
168-13002-200	6	1		168-31117-7	15-96	1	
	7	Ref		168-31117-9	15-97	1	
168-13199-3	6-5	1		168-31120	18-27	2	
168-13199-4	6	1		168-31121-1	15-78	1	
168-13401	6	1		168-31121-2	15-84	1	
	7	Ref		168-31121-3	15	1	
168-13701	2	1		168-31121-4	15	1	
	6	Ref		168-31122	15-88	1	
168-13701-100	2	1		168-31123	15-69	1	
	6	Ref		168-31123-10	15	1	
168-13701-200	2	1		168-31124	15-95	1	
	6	Ref		168-31125	15-94	1	
168-14001-1	2-28	1		168-31220	14-61	1	
168-14001-2	2	1			15-37	Ref	
168-14001-101	2	1		168-31222	(see fig. 17-21)		
	3	Ref		168-31308	17A	1	
168-14001-102	2	1		168-31310	17	1	
	3	Ref		168-31311	17A	1	
168-14011-1	3-54	1		168-31502	61-1	1	
168-14011-2	2	1		168-31503	61-64	1	
168-14018	3A-11	2		168-31504	61-43	1	
168-14401	3A	NP		168-31505	61	1	
168-14415-1	3A	NP		168-31510	61-48	1	
168-14415-2	3A	NP		168-31511	61-49	1	
168-14430-1	3A	NP		168-31540	60	NP	
168-14430-2	3A	NP		168-31706	14	1	
168-14445-1	3A	NP		168-31706-100	14	1	
168-14445-2	3A	NP		168-31826	15-1	1	
168-14445-9	3A-6A	2		168-31826-10	15	1	
168-14701-1	2	1			16	Ref	
168-14701-2	2	1		168-31827	15-2	1	
168-23001	9-18	1		168-31827-3	16-20	1	
168-24001	8-27	1		168-31827-5	16	1	
168-24003	13-32	1		168-31827-7	16-21	2	
168-24003-4	13	1		168-31828	15-3	1	
168-31001	1-3	1		168-31829	15-4	1	
168-31006	61-24	1		168-31829-3	16-42	1	
168-31007	14-3	1					

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168-31829-7	16-43	2	
168-31830	17-1	1	
168-31834	16-25	2	
168-31835	16-2	1	
168-31836	16-3	1	
168-31837	16-28	1	
168-31838	16-29	1	
168-31839-3	16-19	2	
168-31839-5	16-41	2	
168-31840	16-39	1	
168-31842	16	1	
168-31843	16-17	1	
168-31845	16	1	
168-31846	15-55	1	
168-31846-5	15-56	1	
168-31848	17-10	2	
168-31849	16-15	1	
168-31901	60-57	8	
168-31902-18	(see fig. 51)		
168-31906	19	1	
168-31976	19	1	
168-31976-100	19	1	
168-33046	15-99	1	
168-33402-1	(see fig. 53-42)		
168-33402-2	(see fig. 53)		
168-33406	15-91	1	
168-33420	53-32A	1	
168-33502	32-22	1	
168-33503	32-33	1	
168-33504	32-30	1	
168-33505	32-10	1	
168-33506	32-18	1	
168-33507	32-55	1	
168-33508	32-37	2	
	32-65		
168-33511	32-31	1	
168-33512	32-60	1	
168-33513	51-23	1	
168-33514	51-24	1	
168-33515	10-1	1	
	52-75	Ref	
168-33516	30-2	1	
	52-76	Ref	
168-33517	51-13	1	
168-33518	51-10	1	
168-33520	51-30	1	
168-33522	51-19	1	
168-33523	15-54	1	
	51	Ref	
	52-77	Ref	
168-33523-10	15	1	
	51	Ref	
168-33524	51-31	1	
168-33525	51-1	1	
168-33525-10	51	1	
168-33529	31-22	1	
168-33532	32-49	1	
168-33533	32-4	1	
168-33534	32-9	1	
168-33535	32-7	1	
168-33536	32-1	1	
168-33537	32-14	1	
168-33538	30-11	1	
168-33541	30-8	1	
168-33543	31-72	2	
168-33544	31-73	2	
168-33548	31-20	1	
168-33548-3	31-28	1	
168-33549	32-32	1	
168-33552	56A-30	1	
168-33553	56A-26	1	
168-33554	56A-16	1	
168-33557	56A-17	1	
168-33558	56A-5	4	
168-33560	56A-10	1	

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168-33561	56A-23	1	
168-33562	56A-21	1	
168-33563	56A-13	1	
168-33564	1	NP	
168-33567	56A-18	1	
168-33569	56A-6	2	
168-33570	56A-1	1	
168-34031	1-5	NP	
168-34033	57-25	1	
168-34035	57-78	1	
168-34036	57-79	1	
168-34902	(see fig. 58)		
168-40040	1-6	NP	
168-42005	60	1	
168-42100	61-40	1	
168-43002	(see 168-43802)		
168-43003	(see 168-43803)		
168-43005	70-40	1	
168-43005-10	70	1	
168-43006	41-41	Ref	
	70	1	
168-43006-10	70	1	
168-43007	70-6	2	
168-43008	70-42	1	
168-43031	15	NP	
168-43802	70-14	2	
168-43803	70-5	3	
168-44002	60-1	1	
168-44003	(see 168-43803)		
168-44004	60-3	1	
168-44005	60-4	1	
168-44005-5	(see fig. 60-4)		
168-44005-10	(see fig. 60)		
168-44005-15	(see fig. 60)		
168-44005-20	(see fig. 60)		
168-44007	60-7	2	
168-44008	60-2	3	
168-44009	60-62	1	
168-44010	60-5	1	
168-44803	70-21	1	
168-45001	60	NP	
168-45002	64-14	1	
168-45002-10	64	1	
168-45003	64-28	1	
168-45005	64-18	2	
168-45006	64-9	1	
168-47040	60	NP	
168-47801-5	62-45	1	
	62-51		
168-47801-7	72-12	1	
168-48702	62-	1	
168-48001	60	NP	
168-48802-1	67-1	1	
168-48002-2	67	1	
168-48003	67-29	2	
168-48004-1	67-46	1	
168-48004-2	67	1	
168-48005	67-37	1	
168-48006	67-45	2	
168-48007-1	67	1	
168-48007-2	67	1	
168-48008	67-44	2	
168-48009	67-33	1	
168-48010-3	32-42	1	
168-48010-5	32-70	1	
168-48012-1	3A	1	
168-48012-2	3A-16	1	
168-48013	68-19	1	
168-48015	65-51	2	
168-48016	29-45	1	
168-48018	65-11	2	
168-48019-3	65	1	
168-48019-5	65-10	1	
168-48021	65	1	
168-48021-10	65	1	
168-48022	65-21	1	
168-48022-10	65	1	

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168-48023-2	3A	1		168-51801-103	20A	1	
168-48024-1	3A	1		168-51801-104	23-11	1	
168-48024-2	3A-14	1		168-51801-106	23-11A	1	
168-48025-1	3A	1		168-51801-107	20A	1	
168-48025-2	3A-13	1		168-51801-109	20-64	1	
168-48026-1	3A	1		168-51801-11	20A-6	1	
168-48026-2	3A-15	1		168-51801-111	20	1	
168-48027	3A-12	2		168-51801-113	20	1	
168-48028	29-36	1		168-51801-115	20-66	1	
168-48029	3A-17	2		168-51801-117	20A	1	
168-48030	31-32	1		168-51801-13	21-6	2	
168-48031	66-53	1		168-51801-15	21-7	2	
168-48032	68-33	2			20-22		
168-48033	68-34	2		168-51801-17	20A-10	1	
168-48035	15-90	1		168-51801-21	20A-18	1	
168-48046	65	1		168-51801-23	20A-5	1	
168-48047	65	1		168-51801-3	20A-32	1	
168-48060-1	72C	1		168-51801-31	21-43	1	
168-48060-2	72C	1		168-51801-33	21-17	2	
168-48061-1	72C-21	1		168-51801-38	21-14	1	
168-48061-2	72C	1		168-51801-42	20A-19	1	
168-48064	72C-18	4		168-51801-45	20A-13	1	
168-48065	65A-29	1		168-51801-47	20A-7	1	
168-48068	7-43	1		168-51801-49	20A-14	1	
	65A-34	Ref		168-51801-5	20A-31	1	
168-48070	7-42	1		168-51801-51	20A-12	1	
	65A-35	Ref		168-51801-53	20A-16	1	
168-48073	65A-13	1		168-51801-55	20A-8	1	
168-48074	65A-25	1		168-51801-57	20-1	1	
168-48075	72C-26	1		168-51801-59	20-2	1	
168-48076	72C	1		168-51801-60	23-2	1	
168-48401	65	NP		168-51801-63	20-55	1	
168-48803-31	65A-17	1		168-51801-65	20-37	1	
168-48803-33	65A-15	1		168-51801-7	20A-30	1	
168-48803-35	54A-12	1			23-59		
168-48803-37	65A-8	1		168-51801-70	23-11	1	
168-48803-39	65A-7	1		168-51801-72	23-6	1	
168-48803-41	65A-5	1		168-51801-77	20-44	1	
168-51001	1	NP		168-51801-79	20-45	1	
168-51003	21-36	2		168-51801-85	23-54	1	
168-51003-10	21	1		168-51801-87	23	1	
168-51003-20	21	1		168-51801-89	20A	1	
168-51003-30	21	2		168-51801-9	20A-11	1	
168-51005	20	2		168-51801-91	20A	1	
168-51005-10	20	2		168-51801-93	20A	1	
168-51005-20	20	2		168-51801-95	20A	1	
168-51005-30	20	2		168-51801-97	20A	1	
168-51005-40	20	2		168-51801-99	20A	1	
168-51005-50	20B	1		168-52031	1	NP	
168-51006	21-34	2		168-52102	25-10	1	
168-51006-3	21	1		168-52103	25-3	1	
168-51007	20A-4	2		168-52103-10	25	1	
168-51008	21-37	4		168-52104	25-17	1	
168-51010-1	65-37	1		168-52105	25-19	1	
168-51010-2	65	1		168-52106	25-25	1	
168-51013	20A-21	1		168-52111	25-30	1	
168-51017-1	20-43	2		168-52111-3	25-42	1	
168-51017-2	20	2		168-52112	25-45	1	
168-51022	21-35	1		168-52315	6-44	1	
168-51031	20	NP		168-52317	6-46	1	
168-51031-100	20	NP		168-52403-3	27-1	1	
168-51040	23	NP			55-53	Ref	
168-51040-100	23	NP		168-52403-5	27-2	1	
168-51047	23-28	1			55	Ref	
168-51081-7	23-59	1		168-52406	28-19	1	
168-51081-9	20A-15	1		168-52407	28	2	
168-51131	20A	NP		168-52411	19	1	
168-51134	21-26	2			27-12	1	
168-51135	21-27	2		168-52412	19	1	
168-51136	21-28	2			27-13		
168-51137	21-29	6		168-52413	27-8	1	
168-51138	21-30	2		168-52414	27-9	1	
168-51139	21-31	2		168-52415	19	1	

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168-52416-2	28-8	2		168-54011-30	43	1	
168-52418-1	28	2		168-54011-9	43-4	1	
168-52418-2	28	2		168-54012	43-41	1	
168-52441	29-25	1		168-54012-10	43	1	
168-52505	29-85	1		168-54013	43-26	1	
168-52506	25	1		168-54013-10	43	1	
168-52508	32-38	2		168-54014-1	37	NP	
	32-66			168-54014-2	37	NP	
168-52525	27-25	Ref		168-54016-3	39-7	1	
	30-4	1		168-54017	38-13	1	
168-52526	29-72	1		168-54020	41-1	2	
168-52602	29-22	1		168-54025-1	6-15	1	
168-52603	29-74	1		168-54025-2	6	1	
168-52604	29-83	1		168-54026-1	56-31	1	
168-52606	51-22	1		168-54026-2	56	1	
168-52607	30-3	1		168-54029	6-41	2	
168-52608	29-75	1		168-54030	37-8	NP	
168-52609	29-21	1			42A-8		
168-52610	51-15	1		168-54031	37	NP	
168-52612	24-51	1		168-54033	15B-7	2	
168-52613	29-73	1			43-10		
168-52620	29-23	1		168-54034	42-21	1	
168-52624	29-20	1		168-54034-10	42	1	
168-52653	29-24	1		168-54034-20	42	1	
168-53002	47-1	1		168-54036	42-20	1	
168-53002-3	47-2	1		168-54036-10	42	1	
168-53004	48-6	1		168-54038	37A-23	1	
168-53005	48-45	2		168-54040	37	NP	
168-53005-3	49-55	2		168-54047	37-14	1	
168-53006	48-12	1			42A-14		
168-53010	48-30	2		168-54048-3	37-21	2	
168-53010-20	48	1			42A-20		
168-53011	48-43	2		168-54048-5	37-18	2	
168-53011-10	48	2			42A-19		
168-53013-1	48-10	1		168-54053	37-22	1	
168-53013-2	48-11	1		168-54054	37-24	1	
168-53014	48-39	2		168-54055	37-23	1	
168-53016	48-44	2		168-54061	15B-4	1	
168-53018	48-29	2		168-54061-3	15B-5	1	
168-53019-1	48	1		168-54062	15B-1	1	
168-53019-2	48	1		168-54062-5	15B-2	1	
168-53020	48-17	1		168-54063	15	1	
168-53022	21-35	2		168-54064	15	1	
168-53026	21-32	2		168-54064-10	15	1	
168-53027	48	2		168-54065	15B-23	1	
168-53028	48	2		168-54065-10	15B	1	
168-53029	15-77	1		168-54065-5	15B-24	1	
	21A			168-54066	15B-25	1	
168-53031	1	NP		168-54066-5	15B-26	1	
168-53047	47-28	1		168-54067	40-19	1	
168-53054-3	47-15	1		168-54068	40	1	
168-53054-5	47-13	1		168-54069	40-21	1	
168-53054-7	47-16	1		168-54072	42	1	
168-53054-9	47-17	1		168-54072-10	42	1	
168-53055	47-7	1		168-54072-20	42	1	
168-53075	1	NP		168-54080	3A-4	2	
168-53175	1	NP		168-54081	15A-22	1	
168-54001	1	NP		168-54082	15	1	
168-54002	37	65-25		168-54083	37-43	1	
168-54003	37	1		168-54085	37-40	1	
168-54004	37	1		168-54086	37-39	1	
	72			168-54090	42	1	
168-54005	15-57	1		168-54091	42-26	1	
168-54005-10	15	1		168-54095	37A-9	1	
168-54005-20	15	1		168-54095-3	37A-11	1	
168-54005-30	15	1		168-54099	41-40	2	
168-54006	15-58	1		168-54131	37A	NP	
	43	Ref		168-54140-3	69-12	1	
168-54006-10	15	1		168-54350	37A-18	1	
	43	Ref		168-54350-3	37A-19	1	
168-54007	43-40	2		168-54828	39	1	
168-54008	15B-36			168-58001	1	NP	
168-54009	43-36	1		168-58009	36-47	1	
168-54010	38-27	1		168-58010-10	36-46	1	
168-54010	43-34	1					
168-54010-10	43	1					
168-54011	43-1	1					
168-54011-10	43	1					

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168-58014-5	31-68	1		168-71009	6-43	1	
168-58014-7	31-13	2		168-71011	44-30	1	
168-58018	31-95			168-71012	44-17	2	
168-58019	(see fig. 31-59)			168-71013	46	Ref	
168-58022	31-63	1		168-71014	46-19	2	
168-58023	31-50	1		168-71014-10	44-33	1	
168-58029	31-39	1		168-71015	46	Ref	
168-58610	21	1		168-71016	46	1	
168-58611	29-52	1		168-71017	46-25	Ref	
168-58612-1	29-57	1		168-71019	44-18	2	
168-58612-2	29-38	1		168-71021	46-20	Ref	
168-58613	29-40	1		168-71021-10	44-13	2	
168-58614	29-48	1		168-71021-20	44-32		
168-58801-11	29-37	1		168-71022	44D	1	
168-58801-13	36-37	1		168-71023	44D	1	
168-58801-17	36-36	1		168-71023-10	44D-18	1	
168-58801-19	36-27	1		168-71024	44D-19	1	
168-58801-21	33-15	2		168-71024-10	44D	1	
168-58801-23	35-28			168-71024-20	44	1	
168-58801-25	36-9	1		168-71025	44D-2	1	
168-58801-27	36-10	1		168-71026	44D	1	
168-58801-29	26-53	1		168-71031	44B-38	4	
168-58801-3	36-56	1		168-71033-3	44P-67		
168-58801-31	36-55	1		168-71033-5	45-58	6	
168-58801-33	36-32	1		168-71033-7	44A-38		
168-58801-35	36-54	1		168-71033-9	44B-15	4	
168-58801-37	35-12	1		168-71034	45-43		
168-58801-39	35	1		168-71036-3	44A-39	4	
168-58801-41	35-22	1		168-71036-5	45-42		
168-58801-5	36	1		168-71037	44B-16	4	
168-58801-7	36-31	1		168-71043	44P-25	1	
168-58801-9	36-34	1		168-71044	44P-28	1	
168-61001	36-35	1		168-71047	44D	1	
168-61016	1	NP		168-71048	44	1	
168-61612	72D-21	2		168-71049	44	1	
168-61612-3	72E	1		168-71055	44B-26	6	
168-61612-5	72E-5	1		168-71061	44P-1		
168-61614	72E-6	1		168-71061-10	45-31	1	
168-63011	72E-3	1		168-71062	44	Ref	
168-63012	72P-17	6		168-71062-10	46A	Ref	
168-63016	72C-11	6		168-71063	46A-10	1	
168-63017	72P	Ref		168-71063-10	44	1	
168-63018	3A-8	1		168-71064	46A	Ref	
168-66001	72P-14	6		168-71064-10	46A	1	
168-66005	3A	1		168-71065	46A-6	1	
168-66006	72E	NP		168-71067	46A-7	1	
168-66018	72E	NP		168-71071	44A-34	2	
168-66026	3A-19	1		168-71071-3	45-23	1	
168-66030	3A-18	1		168-71071-5	45	1	
168-66032	3A-20	1		168-71076	46A	1	
168-66033	72E-43	Ref		168-71077	44C-9	1	
168-66034	72E	1		168-71078	46A	Ref	
168-66035	72E-15	1		168-71078-10	44A	1	
168-66036	72E-20	1		168-71079	46C-18	1	
168-66037	72E-22	1		168-71080	44A-20	1	
168-66038	72E-27	1			44A-21	2	
168-66039	72E-28	1			46C-15		
168-66040	72E-35	1					
168-66041	72E-36	1					
168-66042	72E-37	1					
168-66043	72E-38	1					
168-66044	72E-39	1					
168-66045	72E-40	1					
168-66046	72E-41	1					
168-66047	72E-42	1					
168-66048	72E-43	1					
168-66049	72E-44	1					
168-66050	72E-45	1					
168-66051	72E-46	1					
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168-66056	72E-51	1					
168-66057	72E-52	1					
168-66058	72E-53	1					
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168-66070	72E-65	1					
168-66071	72E-66	1					
168-66072	72E-67	1					
168-66073	72E-68	1					
168-66074	72E-69	1					
168-66075	72E-70	1					
168-66076	72E-71	1					
168-66077	72E-72	1					
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168-66113	72E-108	1					
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168-66151	72E-146	1					
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168-66161	72E-156	1					
168-66162	72E-157	1					
168-66163	72E-158	1					
168-66164	72E-159	1					
168-66165	72E-160	1					
168-66166	72E-161	1					
168-66167	72E-162	1					
168-66168	72E-163	1					
168-66169	72E-164	1					
168-66170	72E-165	1					
168-66171	72E-166	1					
168-66172	72E-167	1					
168-66173	72E-168	1					
168-66174	72E-169	1					
168-66175	72E-170	1					
168-66176	72E-171	1					

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19-53906-2	71-28		
	30-18	1	
	30		
19-53906-3	55-34	1	
19-54021	37A-7	2	
19-54036	37A-6	2	
19-54046	38-28	1	
19-54056	38-24	3	
19-54069-2	38-25	1	
19A52119	25-14	2	
	25-26		
19A52120	25-15	1	
19A52121	25-16	1	
19A52122	25-13	1	
19150	58-19	1	
19268	58-18	1	
197-48011	67-26	1	
197-53075	72	NP	
197-54002	72	1	
197-71001	44E	NP	
197-71127	72	1	
2-1135-4	52-25	1	
2-2140-24	36-45	1	
2W1-10-18	43	1	
2W1-10-2	41	1	
2W1-10-5	43	1	
2W110-11	15A-15	1	
2W1B10-12	15A-14	1	
2W1B10-15	15A-24	1	
2W1B9-2	15A-25	1	
2W1B9-2	15A-13	1	
2D398	62	1	
2L6-2	44B-35	12	
	44P-11		
	45-40		
2F1-20-6	38-12	1	
2F3-2	72D-27	4	
2W1-11-20-32	3-35	19	
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2W1-12-10-31	30	1	
2W1-122-89-44	58-20	2	
2W1-13-16-32	25-49	8	
2W1-13-20-40	15-44	12	
	15-49		
2W1-13-22-40	52-44	2	
2W1-14-20-63	33-3	4	
2W1-16-16-28	31-57	1	
2W1-16-20-32	59-28	3	
2W1-16-20-63	48-19	6	
2W1-17-14-64	17-32	8	
2W1-17-16-125	5-3	10	
	5-11		
2W1-12-22-63	9-9	12	
2W1-21-30-125	53-39	2	
2W1-24-24-20	29-34	2	
2W1-24-24-48	29-39	1	
2W1-24-24-63	57-20	1	
2W1-25-32-63	53-27	2	
2W1-33-24-62	5-5	10	
	5-13		
2W1-34-28-50	31-79	1	
2W1-37-32-40	35-6	5	
	36		
2W1-40-40-64	32-56	4	
	32-61		
2W1-40-44-63	57-74	2	
2W1AL11-20-32	3-23	30	
	14-26		
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2W1AL11-24-32	14-42	69	
	14-48		
	14-51		
2W1AL12-20-32	14-37	4	
2W1AL13-18-32	51-9	9	
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2W1AL20-22-64	72C-15	A	
2W1AL21-22-64	28-32	A	
2W1APL57-44-64	36-4	1	
2W1B48-36-64	33-8	1	
2W1C122-22-10	33-9	AR	
2W1C122-22-16	33-10	AR	
2W1C122-22-2	33-11	AR	
2W1C122-22-20	33-12	AR	
2W1C122-22-31	33-13	AR	
2W1C122-22-38	33-14	AR	
2W1C122-22-41	33-15	AR	
2W1C122-22-42	33-16	AR	
2W1C122-22-43	33-17	AR	
2W1C122-22-44	33-18	AR	
2W1C122-22-45	33-19	AR	
2W1C122-22-46	33-20	AR	
2W1C122-22-47	33-21	AR	
2W1C122-22-48	33-22	2	
2W1C17-24-63	57-27	2	
2W1C17-32-62	27-79	1	
2W1C25-40-63	51-12	1	
2W1C33-22-.020	51-29	2	
2W1C33-26-.020	51-14	1	
2W1C41-28-.020	51-28	1	
2W1C41-30-.020	51-16	2	
2W1C49-34-.020	51-21		
	3-80	2	
2W1C57-40-19	34-2	1	
2W1K42-28-13	34-7	1	
2W1K58-36-13	72F-10	12	
2W1P14-20-94	60-16	15	
2W3	60-22	11	
2W4	14-21		
	65-43	6	
2W9	65-48		
	72B	2	
200-68005	72B-14	2	
200-68006	72B-14	2	
200-98007	72B-13	2	
200-68008			
204A463M	(see fig. 57-71)		
2065-26	42-8	1	
2083-25	69-3	1	
21-43083	15-66	1	
21803-8-7	3	12	
22809A	22	2	
23-21026	9-15	2	
23-43005	70-33	2	
23-45003	64-35	1	
23-45006	64-29	1	
23-45008	64-34	1	
23-45012	64-17	2	
23-45014	64-32	2	
23-45036	64-33	2	
23-45038	64-13	1	
23-52122	25-70	1	
23-52123	25-66	1	
23-52124	25-71	1	
23-52128	25-69	1	
23-54055	38-3	2	
2352	18-6	1	
237EAU	37-42	3	
238-32	49-54	4	
231-14	49-46	2	
241-28L	49-39	1	
241-28R	49	1	
241-34	49-64	2	
241-37	49-66	2	
241-7	49-60	4	
241-8R	49-	2	
241-9L	49-61	1	
241-9R	49	1	
243-13	49-34	1	
243AS2R	49-33	1	
243AS3	49-37	1	
243ASS	49-67	1	
243AS8L	49-44	1	
243AS8R	49	1	
243B-AS1	49	2	
243B-AS4R	49-40	1	
243BAS3	49-68	1	
243B4	49-53	2	
243B6L	49-59	1	
243B6R	49	1	
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24901	75	Ref	
25-31805	16-10	1	
25-31912	60-23	9	
25-33402-30	55-27	1	
25-33536	53-24	4	
25-47014-14	63-11	2	
25-53102-5	47-27	1	
25-54052	77A-4	2	
25-54080-3A894	77-6	1	
	77A-6		
262	(see fig. 72)		
263A	(see fig. 72)		
263C	(see fig. 72)		
263E	(see fig. 36)		
27471A	(see fig. 22-16)		
28-13117	2-95	2	
28-43006	71-29	1	
28-43014	71-39	1	
28-43015	71-63	1	
28-51071	23-48	1	
28-54057	38-8	1	
28391	(see fig. 23)		
286-3	54-42	4	
286-4	54-43	4	
295005	44P-16	3	
3-1135-4	52-25	1	
3AG	44D-17	2	
3B1	16-18	7	
	16-40		
3B1-1	16	7	
3DBK1250	44D-7	4	
	44D-8		
3H2-10-11	66-4	8	
	66-9		
	66-13		
	66-21		
3H2-10-14	23-13	9	
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3H2-10-15	62-55		
	65-3	5	
	65-13		
	65A-36	Ref	
	72C-24		
3H2-12-14	62-42	2	
3H2-12-15	65-17	10	
3H2-16-15	62-3	19	
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3H2-24-16	60-46	2	
3H2-4-10	20-65	5	
	66-25		
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3H2-4-13	23-1	10	
	23-5		
	23-10		
	62-11		
	62-13		
	62-50		
	62-52		
3HC-4-8	66-17	2	
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3H2-6-15	65-15	3	
	65A	Ref	
	72C		
3H2-8-13	23-21	6	
	62-32		
	62-34		
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3H2L10-10	20-15	3	
3H2LA	15-87	2	

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3H2L8-9	20-17	2	
3P1-12-8-214	61-10	5	
	61-16		
	61-18		
3P1-8-14-100	63-12	2	
3P1-8-14-120	67-15	4	
3P1-8-14-32	67-11	6	
3P1-8-14-37	63	3	
	63-14		
3P1-8-14-50	63-16	2	
3P1-8-14-84	67-13	2	
453-8-4	44P-71	1	
30-1135-4	52-25	1	
3057	77-17	1	
31-1176-3	52-26	2	
31-1177-3	56-27	2	
310482	57-69	1	
3106-10SL4P	65A-37	Ref	
3115-1HT100	36-5	1	
3115-1HT5	36	1	
3115-1HT6	35-7	6	
	36		
31115-1HT8	36	1	
3152-6-1/4x1/8	36-57	1	
3157-3	51-2	2	
32A1981	37A-3	2	
32451A	(see fig. 37-24)		
32462	(see fig. 37-39)		
33204	22	4	
34-48100	68-8	3	
	68-18		
34A15-2	54-14	2	
34A6066	40-7	1	
3415-2M-4	22	2	
342001	44D-16	2	
35A2533	69-20	1	
3504	39-35	1	
3531	46-2	6	
	46-22		
	46A-4		
35350	22	4	
36-13149	6-22	2	
36-31055-4	60-12	9	
36-31088	61-65	1	
36-31221	15-36	1	
36-31233	15-41	1	
36-31233-1	15	1	
36-318115	16-38	8	
36-318117	16-37	8	
36-318120-8	16-50	1	
36-318120-9	16	1	
36-318121-5	16	1	
36-318121-6	16-49	1	
36-31816	16-31	1	
36-31834	16-46	2	
36-31838	16-33	1	
36-31840-3	16-32	1	
36-31912	60-18	1	
36-33112	8-34	2	
36-33119	53-37	4	
36-33120	56-13	4	
36-33309	53-9	2	
36-33310	53	2	
36-33312	53-18	2	
36-33313	53-16	2	
36-33315	53-17	2	
36-33404	55-36	1	
36-33440	55-48	1	
36-33510	29-5	1	
36-33511	29-7	1	
36-33514	52-60	1	
36-33514-1	52	1	
36-33515	52-50	1	
36-33515-1	52	1	
36-33517	52-37	2	



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44B11182	72D-54	2		52-31142	17-17	1	
4405437	48-21	2		52-31142-1	17	1	
4405443	48-22	2		52-31169	17-33	2	
44004H2	46A	1		52-31170	17-30	1	
45A21662	15B-11	3		52-31248	14-60	2	
45B4656	43-27	4		52-52103	25-8	1	
45035670	72C-7	7		52-52107	24-38	2	
	73C			52-52116	25-47	1	
	72F-15			52-52628	2-45	1	
450250-0-3	37-5	1		52890	54-24	2	
4541	41-22	1		52895	57	1	
46A1135-524	60	4		53SAA1842	5-43	1	
48C4021	72D-57	2		53SAA1849	5-40	1	
49-13147	6-27	2		53SAA1850	5-46	1	
49-31808	16-16	1		53SAA1851	5-45	1	
49-31816	16-12	1		(see fig. 54-23)			
49-31847	16-14	1		53051	54-51	2	
49-31893-2	16-7	1		53272	54-37	4	
49-42006	60	1		53801	54-46	4	
49-48025	66-63	1		53842	54	2	
49-53025	15-67	1		53850	54-32	2	
49-54045	38-20	4		53851	54-31	2	
49-54141	37-6	1		53852	54-56	2	
49-54191-4	38-29	1		53853	54-57	2	
49-64024	15-65	1		53854	54-58	2	
49-16	44F-13	3		53855	54-59	2	
4914-3	10-7	4		53856	54-17	2	
5N2-13	10-42	2		53862	54	2	
5N2-16	4-11	2		53863	54-22	2	
5B21-428-22	32-50	1		53864	54-34	2	
5B3-12	25-31	2		53874	54	2	
5B3-14	25-34	2		53875	54-44	8	
5B3-7	12-18	2		53876	54-45	8	
5B6-14	55-13	2		53877	54-38	2	
5B6-16	38-15	6		53878	54	2	
	50-36			53879	54-29	2	
	56S-12			53882	54-6	1	
5B6-18	15-21	19		53883	54	1	
	15-63			53884	54-47	1	
	38-2			53885	3	1	
	48-5			54-14028	3-37	1	
	70-32			54-14028-1	3	1	
5B6-20	15-18	8		54-14030	3	1	
	24-14			54-14030-1	3-39	1	
	25-29			54-14076	3-3	1	
	55-31			54-14076-1	3-4	1	
	68-2			54-14100	3-9	2	
	71-45			54-31079	18-12	1	
5B6-24	15-33	3		54-31080	18-4	1	
	24-13			54-31081	18-11	1	
5B7	66-39	3		54-31201	18-25	2	
	71-24				18-30		
	71-54			54-33583	53-22	4	
5C1	39-17	9		54-51062	3-18	1	
	39-21			54-58044	29-51	1	
	66-40			54-58084	29-56	1	
	71-27			54SAA70	5	1	
5C1-2	71-55	4		54SAB20L	27-24A	1	
5C3E20	39-29	5		54SAB20R	27-24B	1	
	63-20			54153	54-33	4	
	64-3			55-13210	3-25	11	
5R9	3-2A	2			7-28		
50-13190	6-18	1		55-13211	8-32	1	
50286	60	1		55-13211-1	8	1	
50430	(see fig. 54-14)	1		55-13281	6-17	1	
51-54147	40-4	1		55-14010	2	1	
51422	54-18	2		55-14010-1	2	1	
51897	55-1	2		55-14027-2	3	1	
52-13071	6-16	1		55-14071	3-1	4	
52-31042	61-14	1			3A	Ref	
52-31107	17A-8	1		55-14072	3-17	2	
52-31107-1	17A	1		55-14255-1	3-105	1	
52-31109	17A-3	1		55-16005	24	1	
52-31109-1	17A	1		55-16005-1	4-15	1	
				55-16031-4	4	1	
				55-16031-5	4-5	1	
				55-16080-2	4	1	
				55-16080-3	4-2	1	
				55-18001	2-1	1	
				55-18001-1	2	1	
				55-18006	5-6	10	
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36-33521	52-36	2		36A2212-3	37A-2	3	
36-33529	29-82	1			41-17		
36-33530-2	29-80	1		37A4527	37A	1	
36-33530-3	29-81	1		37A4759	63-25	1	
36-33531	29-84	2		37D4865	41-18	1	
	15-59			37D6210	37-49	Ref	
36-33541	56-7	2			42A-23	Ref	
36-33542	52-46	2		37008	62	1	
36-33543	52-73	1		371K05	22	2	
36-33549	52-24	1		371K010	22	2	
36-33551	52-72	1		381S03	22	2	
36-33552	52-56	2		3850-054358-112	(see fig. 20-11)		
36-33553	52-41	2		39B5294	67-17	2	
36-33554	52-18	1		39B54-35	67-16	2	
36-33555	52-12	1		4-8-10MRT	(see fig. 68-35)		
36-33556	52-11	1		4B14R5-37	52-48	2	
36-33558	52-62	1		4B14-3-61	18-2	1	
36-33559	53-34	2		4B16CP6-11	52-29	1	
36-33564	29-4	1		4B16CP3-4	59-18	2	
36-33568	8	4		4B16CP4-8	32-43	3	
36-34005-4	58-2	1			32-71		
36-34005-6	58	1		4B16CP5-4	59-32	2	
36-34005-8	58	1		4B19-8-6	60-60	4	
36-43011	71-20	1		4B19B12-015	51-20	2	
36-43016	71-52	1		4B19S14-32	2-86	1	
36-43017	71-56	1		4B19S3-006	29-53	2	
36-44007	71-46	1			29-58		
36-47004	63-24	1		4B19A3-008	29-54	6	
36-47027-32	63-15	2			29-59		
36-47027-34	63-13	2		4B19S4-006	28-9	4	
36-47032	63-23	8		4B19A4-012	59-30	1	
36-48016	68-3	1		4B2R8	52-61	2	
36-48017	67-12	2		4B20S3-004	29-41	2	
36-48018	67-10	6		4B21S3-006	31-55	2	
36-48018-2	67-14	4		4B21S3-124	59-13	1	
36-48028	66-47	1		4B21S4-12	52-28	2	
36-48029	66-48	1		4B4-37	58-3	2	
36-48035	29-32	1		4B5R35	52-71	2	
36-48036-2	29-63	1		4B6-36	58-4	2	
36-48044	66-41	1		4B8-30	17-34	1	
36-48054	66-46	1		4C	60	17	
36-48079	65-33	1			60-17		
36-51049	20-10	1		4S3-10-23	11-33	2	
36-51050	20-9	1		4S3-10-24	48-34	2	
36-52406	28	4		4S3-10-25	13-14	1	
36-52448	27-7	1		4S3-416-6	55-7	2	
36-52507-2	32-36	2		4S3-416-7	2-8	2	
36-52507-3	32-64	2		4S3-516-8	60-56	8	
36-52520	29-13	1		4S3-8-4	44P-74	1	
36-52521-2	30-25	2		4S3B416-8	40-13	1	
36-52521-3	30-26	2		4S3D10-10	30	1	
36-52611	5-29	2		4S3D10-5	6-12	4	
36-52612	2-84	1		4S3D616-22	38-26	1	
36-52618	2-50	1		4S3D8-45	24-19	4	
36-52619	2-49	2		4S4-4-3	18-9	1	
	2-61			4S4-6-6	72B-20	1	
36-52623	2-87	1		4S4-8-74	65-26	1	
36-52623-2	2-88	1		4S4D616-22	38-26	1	
36-52623-3	2-89	1		4S5-3	12D-32	1	
36-52625	2-46	1		4W2-21	17A-30	2	
36-52625-2	2-51	1		40B887-012C102-20	54-23	1	
36-52627	30-21	2		40D8445-2	40-18	1	
36-52630	2-58	1		401-1A	(see fig. 65-32)		
36-52630-2	2-64	1		4010-18	72D-30	4	
36-52631	2-62	1		41A9177	47-18	1	
36-52651	2-68	1		41B	(see fig. 72)		
36-52652	2-85	1		41D10687-4	62-17	1	
36-53089	47-24	1		410356	(see fig. 57-69)		
36-54027	56-3	2		42-725	47-22	1	
36-54028	52-40	2		42J15621	(see fig. 60-1)		
36-54029	56-32	2		43B22466	68-32	1	
36-54032	56-16	2		43D2475-6W180	36-7	1	
36-54033	56-18	2		439S3	54	2	
				44-33534-2	8-15	1	
					53-49	Ref	
					56-33	R. f	

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55-18022	2-107	8		55-33468	55-20	2	
	5-1			55-33469	55-43	4	
	5-8			55-33472	55-8	1	
55-18022-1	5	5		55-33472-1	55	1	
	5-9			55-33504	56	1	
55-18024	5-7	10		55-33504-1	56	1	
	5-15			55-33513	56-9	2	
55-20002	14-43	1		55-33525	56-6	2	
55-20003-6	14-46	1		55-33535-10	7-4	1	
55-20004	14-49	1		55-33544	52-19	1	
55-20004-1	14	1		55-33548	52-38	2	
55-20005	14-52	1		55-33550	52	1	
55-20008-4	14-53	1		55-33563	52	1	
55-20009	14-44	1		55-33563-1	52	1	
55-21020	10-15	2		55-33585	7-16	2	
55-21024	10-3	1		55-42008	61-37	1	
55-22028	11-13	2		55-42019	61-54	1	
55-22034	11-5	2		55-42032	61-32	1	
55-22035	11-10	2		55-42034	60-51	2	
55-22037	11-15	2		55-42045	61-20	1	
55-23022	12-23	1		55-42049	61-21	1	
55-23023	9-23	1		55-42050	60-44	1	
55-24017	13-1	1		55-42051	60	1	
55-24018	4-8	10		55-42052	60-49	2	
	11-8			55-42077-4	62-68	2	
	13-2			55-42077-5	62-67	2	
55-24036	13-5	1		55-42082	60-47	2	
55-24039	13-11	1		55-42083	60-46	2	
55-24040	13-10	1		55-42084	60-48	2	
55-24046	11-14	2		55-43012	71-32	1	
55-31003	61-55	1		55-43013	71-19	1	
55-31038-4	18-16	1		55-44008	71-43	1	
55-31045	14-54	1		55-44011	71-21	1	
	19			55-45030	64-4	1	
55-31045-1	14-1	1		55-47017	62-64	1	
	19			55-47018	62-59	1	
55-31049	18-15	2		55-51026-2	3-14	1	
55-31053	15-81	1		55-51065	20-7	1	
55-31061	14-57	1		55-52118-2	25-51	1	
	19			55-52119	25-59	1	
55-31061-7	14	1		55-52126	25-64	1	
	19			55-52209	24-21	1	
55-31078	18-14	1		55-52216	19	1	
55-31090-5	61-51	1		55-52216	19-1	1	
55-31097	14-56	1		55-52221	24-22	1	
	19			55-52222	24-23	1	
55-31143-2	17A-13	1		55-52316-3	26-13	2	
55-31143-3	17A	1		55-52422	55-50	1	
55-31180	17-23	1		55-52424	27	1	
55-31180-1	17	1		55-52428	28-15	4	
55-31195-2	15-19	2		55-52503	24-50	1	
55-31195-3	15	2		55-52504	24	1	
55-31196-2	15	1		55-52515-2	24-54	Ref	
55-31196-3	15	1			32-45	1	
55-31238	14-40	1		55-52515-3	24-53	Ref	
	19				32-73	1	
55-31246	17-20	1		55-52519-2	27-28	Ref	
55-31272	14-2	1			32-40	1	
55-31301	18-22	1		55-52519-3	27-29	Ref	
55-31835	16-47	1			32-68	1	
55-31911	60-19	1		55-52535-2	13-15	1	
55-31916	60-20	1		55-52535-3	11-26	2	
55-31919	60-21	1		55-52535-5	11-29	2	
55-33406	55-11	1		55-52546	30-30	1	
55-33406-1	55	1		55-52547	30-31	1	
55-33434	55-49	1		55-52550	19	1	
55-33434-1	55	1		55-52614	29-20	1	
55-33435	55	1		55-52614-3	26-69	1	
55-33436	55-47	2		55-52616	29-18	1	
55-33454	55-3	2		55-52616-3	29-67	1	
55-33460	55-2	1		55-52626	29-19	1	
55-33461	55	1		55-52626-3	29-68	1	
55-33467	55-21	1		55-52628	29-29	1	

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55-52634	3-47	22		58-51015-1	65	1	
55-52635	7-36	22		58-51013	23-7	1	
55-52636	3-48	35		58-52402	20-20	2	
	7-34			58-52402-1	20-21	2	
	3-46			58-53081	47-23	1	
55-52643	7-35			58-53082	47-25	1	
55-52646	7-37	2		58-53085	47-26	1	
	5-27	4		586BK0110	22-15	2	
55-52649	3-12	10		59-73029	15-64	2	
55-52649-2	5-21	10		59-73036	15-68	1	
55-52651	3-14	4		59-73037-3	72A-5	1	
	5-35			6-6CT	36-50	1	
55-53074	15-52	1		GFNT	35-15	1	
55-53101	15-51	1		6KST	35-16	1	
55-53146	15-83	1		6P1	48-35	2	
55-53147	15-82	1		6P2	19	1	
55-53301	47	1		60A	(see fig. 72)		
55-53306-2	50-22	1		60B	(see fig. 72)		
55-53308	50-11	1		60014	22	4	
55-53329	50-15	2		60014A	22	4	
55-53330	50-3	1		61	(see fig. 72)		
55-53331	50-4	1		6101	(see fig. 37-19)		
55-53335-4	50-27	1			(see fig. 40-15)		
55-53335-5	50	1		610A12	60	1	
55-53336	50-34	2		610A13	60	1	
55-53337-2	50-30	1		610A14	60	1	
55-53337-3	50	1		62-58084-7	35-25	1	
55-53338	50-23	1		64-31207-8	15-85	1	
55-53340	50-37	1		64-31207-9	15	1	
55-53341	50-33	2		65-42016	62-72	1	
55-54053	21-33	2		65-42063	62-71	2	
55-54054	38-9	1		65174	54-1	1	
55-54054-2	38	1		65175	54	1	
55-54054-3	38	1		65176	54-5	1	
55-54055	38-11	1		65177	54	1	
55-54056	38-10	1		65178	54-4	2	
55-54059	38-18	2		65179	54-3	2	
55-54083	38-21	1		65426	54-54	1	
55-54102	38-22	1		65427	54	1	
55-54137	40-8	1		65810	53-47	1	
55-54138	40-6	1		65811	53	1	
55-54139-3	40	1		66-10003	14-38	1	
55-54139-4	40	1		66-10003-1	14	1	
55-54139-5	40	1		66-10004	14-30	1	
55-54140	40-5	1		66-10004-1	14	1	
55-54177	71-7	1		66-10005-10	14	1	
55-58032	2-91	1		66-10005-8	14-33	1	
	35-38	Ref		66-10005-9	14	1	
55-58051	33	1		66-10006	14-27	1	
55-58116	33-10	1		66-10006-1	14	1	
55-58160	33-20	1		66-10011	8-29	1	
55-58170	35-21	1		66-10011-1	8	1	
55-58178	2-72	1		66-13004	7	1	
55-58178-2	2-73	11		66-13013	8-31	1	
55-58178-3	2-74	1		66-13013-3	8	1	
55-58196	29-49	1		66-13073-20	7	1	
55-58518	35-26	1		66-13073-21	7	1	
55-58519	35-27	1		66-13078-1	7-40	1	
55-58523	35-3	1		66-13078-2	7	1	
55-58525	35-2	1		66-13104	7-39	1	
55-58527 (Removed by T. O. 17-60-211)	35-4	1		66-13104-1	8-35	Ref	
55-58529	35-1	1			8	Ref	
55-58531	54-19	2		66-13148	6-24	2	
55-58575	19	2		66-13310	6-10	1	
58-31083	23-7	1		66-13315	6-8	1	
	19	1		66-14027-2	3-36	1	
58-31086	63-5	2		66-18002	2-2	1	
58-47020-2	63-4	2			5	Ref	
58-47020-3	62-8	2		66-22001-10	9-17	2	
58-47023	62-29	1		66-22002-10	11-1	2	
	64-47	1		66-31009	18-17	1	
58-51015				66-31071	18-8	1	
				66-31072	61-45	1	

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66-31074-2	18	1		77-10032	2-26	2	
66-31077	18-5	1		77-13005	6-19	1	
66-31080	14-24	1		77-13005-1	6-20	1	
66-31080-1	14	1		77-13006-3	7-41	1	
66-31445	14-15	2		77-13014	8-30	1	
66-33109	53-40	2		77-13013-1	8	1	
66-33118	53-33	1		77-13016	7	NP	
66-33118-1	53	1		77-13141	8-9	1	
66-33305	53-11	1		77-13141-1	8	1	
66-33305-1	53	1		77-13303	6	1	
66-33307	53-12	2			8-36	Ref	
66-33477	55-45	2			6-28	1	
66-33509	52-68	1			8	Ref	
66-33509-1	52	1		77-13308	6-3	1	
66-33536	8-5	4		77-13312	8-25	1	
66-33578	53-10	2		77-13312-1	8	1	
66-42003	61-28	1		77-20001	1-2	NP	
66-42004	61-38	1		77-21003	10	2	
66-42012	61-36	1		77-21021	10-19	2	
66-43025	70-25	1		77-21021-3	10	2	
66-52404	28-45	4		77-21021-4	10	2	
66-52527	11-19	2		77-24002	13	1	
	24-52	Ref		77-310143	64-8	2	
	27-26	Ref		77-31032	14-5	1	
66-52527-2	11	2		77-31033	14-8	1	
66-52528	24-55	Ref		77-31034	14-10	1	
	30-5	1		77-31035	14-7	1	
66-52538	13-22	1		77-31075	14-1	1	
66-52538-2	13-27	1		77-31090	61-50	1	
66-52647	5-25	1			64-36	Ref	
66-52648	5-26	1		77-31209-10	15-61	1	
66-58026-2	35-39	Ref		77-31209-11	15-62	1	
	53-29	2		77-33001	1-4	NP	
66-58206	33-19	1		77-33106	8-33	1	
66144	(see fig. 54-28)	2			56-34	Ref	
66146	54-30	2		77-33106-1	8	1	
66154	54-53	2		77-33314	8-23	2	
6704-142	22	2		77-33315	8-20	1	
6704-145	22	2			13-48	Ref	
671BK010	22	2		77-33315-1	8	1	
671BK011	22	2		77-33316	8-24	2	
671BK03	22	2		77-33401	53	NP	
671BK7	22	2		77-33450	55-39	1	
671BU010	22	2		77-33452	55-14	1	
671CK010	22	2		77-33453	55	1	
671CK018	22	2		77-33454	55-52	2	
671CKL010	22	2		77-33455	55	1	
671K03	22	2		77-33456	55-5	1	
6750KC	(see fig. 45)	2		77-42024	62-75	1	
67649	54-27	2		77-43010	70-24	1	
67652	54-25	2		77-43011	71-25	1	
68	(see fig. 53-42)	2		77-43030	71-60	1	
68-71077	448-39	2		77-44026	71-48	1	
	45-51	1		77-45044	19	1	
69-31120	17A	1			(see fig. 53-1)		
69-58507	35-31	2		77-47002	63-1	1	
7-2847-78	64A-21	1		77-47002-10	62-76	1	
7A	(see fig. 57-72)	2		77-47021	63-21	1	
7C1	68-7	2		77-47037	68	NP	
	68-16	1		77-48023	68-21	1	
7E30-32-0	62-73	1		77-48047	65-2	1	
7S1-1032-8	72D-29	4		77-48805	65-2A	1	
7S4-10-10	67-19	8		77-48807	66-22	1	
7010KC	(see fig. 45)	1		77-48808	66-5	1	
72-58508	35-34	1		77-48811	66-10	1	
72-58510	35-33	1		77-48812	65	1	
73-52405	28-43	2		77-48813	65-27	1	
73-52405-1	28	2		77-48814	20-18	4	
73-54162	39-31	2			20-31		
73-58325	34-8	1			20-36		
745-2A	36-48	4			20-42		
7610KC	(see fig. 45)	1		77-51801	23-20	1	
765-10	20-11	1		77-51806	20-13	1	
7660KC	(see fig. 45)	1		77-51813	20-12	1	
77-10007	14-35	1		77-52105	25-28	1	
77-10007-10	14	1					
77-10031	2-106	2					

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77-54061	41-20	1	
77-54096	37A-15	1	
77-54114	37A-10	1	
77-58175	34	Ref	
	36-15	1	
77-58179	34-4	1	
77-58180	34-10	1	
77-58181	34-5	1	
77-58206	34-6	1	
77-58208	34-1	1	
77-58209	34-3	1	
77-58503	36-2	1	
77-58505	36-1	1	
77-58506	36-8	1	
77-58508	36-12	1	
77-58510	36-30	1	
77-58520	35-23	1	
77-58521	(Removed by T. O. 1T-60-211)		
77-58522	35-10	1	
77-58524	35-8	1	
77-58526	(Removed by T. O. 1T-60-211)		
77-58528	35-11	1	
77-58530	35-9	1	
77-58532	35-29	1	
77-58536	35-30	1	
77-73003	72-2	1	
778-4B	45-15	1	
78-14112	3-6	1	
78-14112-1	3-7	1	
78-14274	33-5	2	
78-14275	3-2	4	
78-31010	19	1	
78-31013	19	1	
78-31013-1	19	1	
78-310161	51-12	1	
78-310163	51-13	1	
78-33102	(see fig. 53-47)		
	(see fig. 54)		
78-54012	41-16	2	
78-54013	41-11	2	
78-54027	41-10	2	
78197	60	1	
78198	60	1	
8-250-77	65-21A	1	
8C5	39-33	1	
8DJ13ABN	22	2	
8DJ13ABN24	22	2	
8DJ13ABN25	22	2	
8DJ13ABN26	22	2	
8DJ13ABN27	22	2	
8E1-17-4	64-10	1	
8036.25KC	(see fig. 45)		
811BT4D	41-35	1	
811CT10	33-14	3	
	36-16		
	36-30		
	33-13	2	
811CT4	65-29		
	23-44	1	
811CT4D	20A-2A	3	
811CT45-4	65-28		
	65-18	2	
811CT45-6	55-22	2	
811CT450-5	33-24	6	
811CT5	33-27		
	35-36		
	36-41		
811CT6	33-12	7	
	33-23		
	33-26		
	36-26		
	62-44		
811CT8	33-11	2	
	36-32		
PART NUMBER	FIGURE & INDEX NUMBER	QTY PER A/C	MICROFILM INDEX
811PT	35-35		
811PT4	20-17		
811PT6	35-14		
	35-24		
811OT6	62-46		
811HT10	65-1		
	65-6		
	41-4		
811HT4D	35-32		
811JTS	41-39		
811JT4D	36-58		
811OT6	36-39		
811ST5	35-17		
811ST6	36-43		
	36-44		
811ST8	41-37		
811T4CS	22		
814B	22		
814BN5-02	22		
814B02	(see fig. 5)		
8155-71KC	41-36		
82-51006	45-36		
82-71719-5	44B-31		
	44P-3		
83-33543	(see fig. 32-31)		
83501-2	65A-10		
8392KC	(see fig. 5)		
84-14009	3		
84-14009-1	3		
84-14029	3		
84-14029-1	3-28		
84-14290	3-8		
84-16001	2-17		
84-16001-1	2		
84-16002	4		
84-16002-1	4		
84-21001	9-1		
84-43807	70-38		
84-54058	56-14		
84-54058-1	56		
84-54190	41-34		
8423.08KC	(see fig. 5)		
869A10TT	65A-16		
88-00110	68-35		
88-10020	2-27		
88-10020-1	2		
88-10023	2-23		
88-10023-1	2		
88-13003	7		
88-13014	7-38		
88-13014-1	7		
88-13020-2	7-24		
88-13087	2-97		
88-13088	2-96		
88-13090	7-12		
88-13337	7-29		
88-13337-1	7-30		
88-14066	2-99		
88-14066-1	2		
88-14069	2-101		
88-14069-1	2		
88-14091	3-40		
88-14091-1	3-40		
88-14091-2	3-41		
88-14091-3	3-41		
88-14091-4	3-42		
88-14091-5	3-28		
88-14105	3-3		
88-14201	3		
88-14201-1	3-14		
88-16035	9-3		
88-21018	10-11		
			8
			8
			2
			4
			4
			1
			1
			1
			3
			3
			2
			2
			2
			2
			2
			1
			1
			2
			Ref
			2

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PART NUMBER	FIGURE A NUMBER NUMBER	QTY PER A/C	MICROFILM INDEX	PART NUMBER	FIGURE A NUMBER NUMBER	QTY PER A/C	MICROFILM INDEX
88-21019	9-2	Ref		88-34040	58-10	1	
	10-10	2		88-34041	58-9	1	
88-21044	9-4	Ref		88-34042	58-26	1	
	10-14	2		88-34153-2	57-21	1	
88-23012	12-7	1		88-34156	19	6	
88-23013	12-14	1			27-23		
88-31002-17	61-5	1			57-53		
88-31002-18	61-15	1		88-34157	19	6	
88-31002-19	61-17	1			27-24		
88-310173	61-56	1			57-52		
88-31027	61-52	1			57-53		
88-31028	61-57	1		88-34158-2	57-18	1	
88-31066	61-44	1		88-34159	57-56	2	
88-31066-1	61-46	1		88-34160-2	19	1	
88-31081	61	1			57-7		
88-31081-1	61	1		88-34160-3	19	1	
88-31084	61-47	1			57-8		
88-31105	15-45	1		88-34165	57-23	1	
88-31158	61-19	1		88-34169	57-22	1	
88-31187	15-25	10		88-34170	57-30	1	
88-31493-2	15	6		88-34173	19	1	
88-31493-3	15	4			57-60		
88-31494-2	15-28	2		88-34174	57-29	1	
	15-32			88-34176	57-57	1	
88-31494-3	15-27	5		88-42005-10	60-36	1	
	15-31			88-42005-11	60-32	1	
88-31494-4	15-30	1		88-42005-12	60-30	1	
88-31494-5	15-26	1		88-42005-13	60-28	1	
88-31494-6	15-29	1		88-42005-2	60-37	1	
88-31611	17A	1		88-42005-3	60-31	2	
88-31801	15-5	NP			60-35		
88-31826-4	16-48	1		88-42005-4	60-33	1	
88-31827-10	16	2		88-42005-5	60-29	1	
88-31827-13	16-22	1		88-42005-6	60-27	1	
88-31827-3	16-23	1		88-42005-7	60-26	1	
88-31829-3	16-44	2		88-42005-8	60-34	1	
88-31829-6	16	2		88-42005-9	60-38	1	
88-31846	16-4	1		88-42009	62-74	1	
88-31847	16-26	2		88-42046	61-22	1	
88-31848	17-5	2		88-42057	61-23	1	
88-31849	17-6	2		88-42073	60-53	1	
88-31858	16-30	2		88-42074	60-54	1	
88-33476	52-46	2		88-42098	61-39	1	
88-33516	31-4	1		88-42801	62-43	1	
88-33539	52-4	1		88-43801	71-12	1	
88-33565	52-16	1		88-43802	71-6	2	
88-33582	3-24	2		88-43804	71-9	1	
88-33582-1	3-25	2		88-43805	71-13	1	
88-33590	31-43	1		88-43806	71-8	1	
88-33591	52-10	1		88-44801	71-10	1	
88-33592	52	1		88-44803	71-11	1	
88-33593	52-15	1		88-47805	62-20	1	
88-33594	52-39	1		88-47806	62-19	1	
88-34002-50	57-77	1		88-47807	62-24	1	
88-34002-60	57	1		88-47808	62-27	1	
88-34004-2	58-8	1		88-47809	62-5	1	
88-34006	57-68	1		88-47810	62-33	1	
88-34013	19	2		88-47811	62-39	1	
	57-59			88-47813	62-4	1	
88-34015-2	58-11	1		88-47814	62-6	1	
88-34023	58-15	1		88-47815	62-56	1	
88-34024	58-14	1		88-48003-3	66-57	1	
88-34025	58-13	1		88-48011	67	2	
88-34027	58-7	1		88-48027	67-22	4	
88-34028	58-21	1		88-48029	67-21	2	
88-34029	58-22	1		88-48030	67-20	2	
88-34031	58-25	1		88-48055	66-34	1	
88-34034	58-24	1		88-48055-2	66-37	1	
88-34035-50	58-5	1		88-48083	67	2	
88-34035-60	58	1		88-48092	66-12	1	
88-34036	58-12	1		88-51006	65-42	2	
88-34037	57-70	1		88-51033	3-12	1	
	58-27	Ref		88-51033-2	3-33	1	
88-34039	57-67	1		88-51313	23-8	1	
				88-51837	41-39	1	

## Numerical Index

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PART NUMBER	FIGURE & INDEX NUMBER	QTY PER A/C	MICROFILM INDEX	PART NUMBER	FIGURE & INDEX NUMBER	QTY PER A/C	MICROFILM INDEX
88-51841	3-29	1		900-9	55A-24	1	
88-51876	23-16	1		9095	56	1	
88-51879	23-22	1		9132	56	1	
88-51883	23-18	1		9140	56	1	
88-52105	25-39	1		934-10	55A-24	1	
88-52105-2	25-40	1		934-11	55A-19	8	
88-52108	25-41	1		934-12	72C-25	1	
88-52205	9-28	Ref		934-16	55A-14	1	
	24-34	1		934-17	55A-6	1	
88-52304	26-9	2		934-9	55A-4	1	
88-52314	26-14	2			72C		
88-52315	26-11	2		94-27336	(see fig. 22)		
88-52315-2	26-15	2		94-27354	(see fig. 22-4)		
88-52423	28-30	1		94-27386	(see fig. 22)		
88-52461	27-5	1		94-27423	(see fig. 22)		
88-52474	57-5	1		94-27928	(see fig. 22-3)		
88-52474-1	57-6	1		94-27952	(see fig. 22-15)		
88-52497	19	1		94-27957A	(see fig. 22)		
	27-10			94-27958	(see fig. 22)		
88-52498	19	1		94-27960	(see fig. 22)		
	27-11			94-27967	(see fig. 22-7)		
88-52475	2-13	2		94-32090	(see fig. 38-8)		
88-52575-2	2-16	2		94-32270A	(see fig. 37-45)		
88-52576	2-14	2		94-32276	(see fig. 40-22)		
88-53174	19	1		94-32278 (Removed by T. O. 8R1-3-1-50)			
	47-30			94-32284	(see fig. 22-1)		
88-53306	50-10	1			(see fig. 40-16)		
88-53339	50-24	1		94-32324	(see fig. 42-25)		
88-54005	39-22	1		94-32424	(see fig. 42)		
88-54090	18-24	2		941123	(see fig. 70-40)		
	18-29			941124	(see fig. 70)		
88-54307	39-30	1		95-100	49	2	
88-54311	39-36	1		95-100-14ALH	49-19	1	
88-54319	41-33	2		95-100-14ARM	49	1	
88-54320	41-28	2		95-100-14B	49-22	2	
88-54374	39-15	1		95-100-14C	49-16	8	
88-54375	39-16	1		95-100-14LH	49-18	1	
88-54407	(NHA 88-54408)			95-100-14RH	49	1	
88-54408	41-5	2		95-100-15	49-17	4	
88-54409	41-23	2			49-25		
88-54414	37A-27	1		95-100-16	49-12	2	
88-54415	37A-28	1		95-100-17	49-24	2	
88-54416	37A-29	1		95-100-18C	49-3	2	
88-54418	40-25	1		95-100-22	49-4	1	
88-54428	40-24	1		95-100-22A	49-2	1	
88-54480	40-23	1		95-100-22B	49-5	2	
88-58011-10	44-16	1		95-100-22C	49-1	1	
	35-40	Ref		95-100-26	49-6	2	
88-58070	35-37	1		95-100-27	49-7	2	
88-58176	34	Ref		95-100-39	49-8	2	
	36-19	1		95-100-42	49-28	2	
88-58182	31-87	1		95-28150	(see fig. 62-77)		
88-58301	31-77	1		95-28391	(see fig. 23-41)		
88-58302	31-78	1		95-32303	(see fig. 64-37)		
88-58314	31-80	1			(see fig. 69-4)		
88-58541	36-6	1		95-32361	(see fig. 69-2)		
88-71080	45-49	1		95-34120	58-28	Ref	
88-71271-7	44B-21	2			59-4		
	45-26			97-34121	59-5	1	
884-8-13	36	2		97-34123	59-23	1	
8916K689	37	1		97-34124	59-22	1	
9-196-650	47-31	1		97-34173	59-35	1	
900-14	65A-14	1		99-54163	59-34	1	



## SECTION IV

### SPECIAL SERVICE TOOL LIST

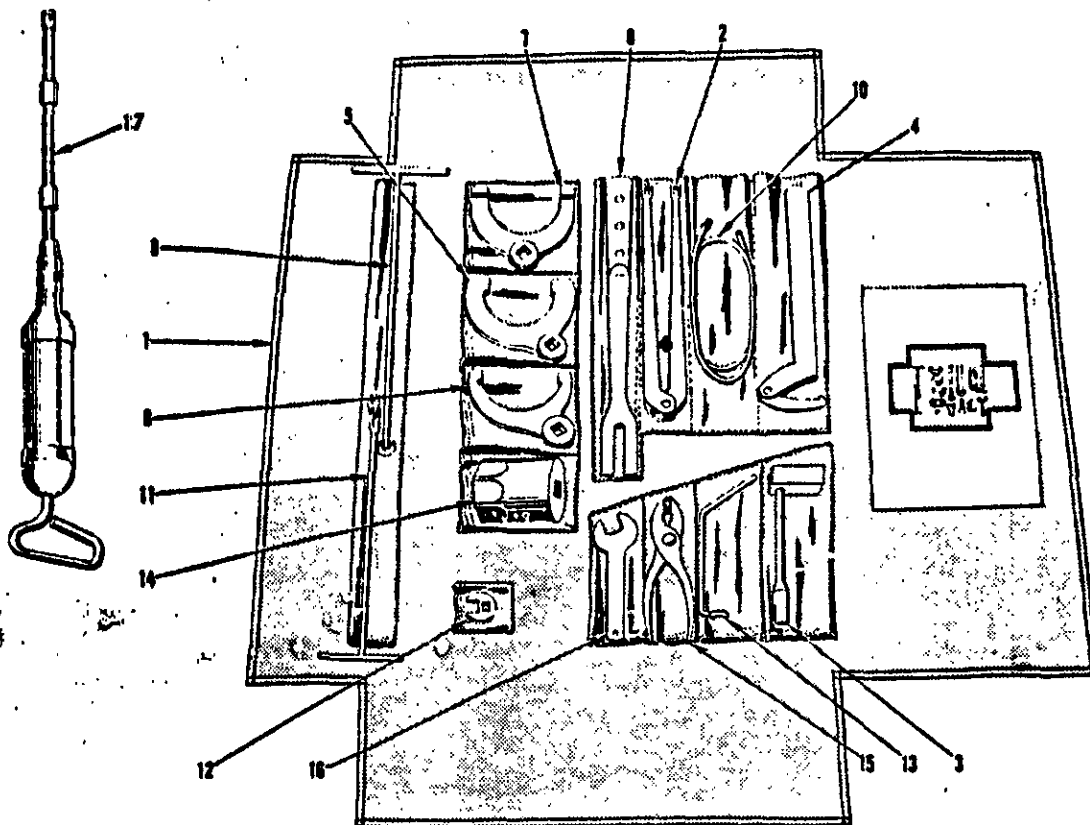
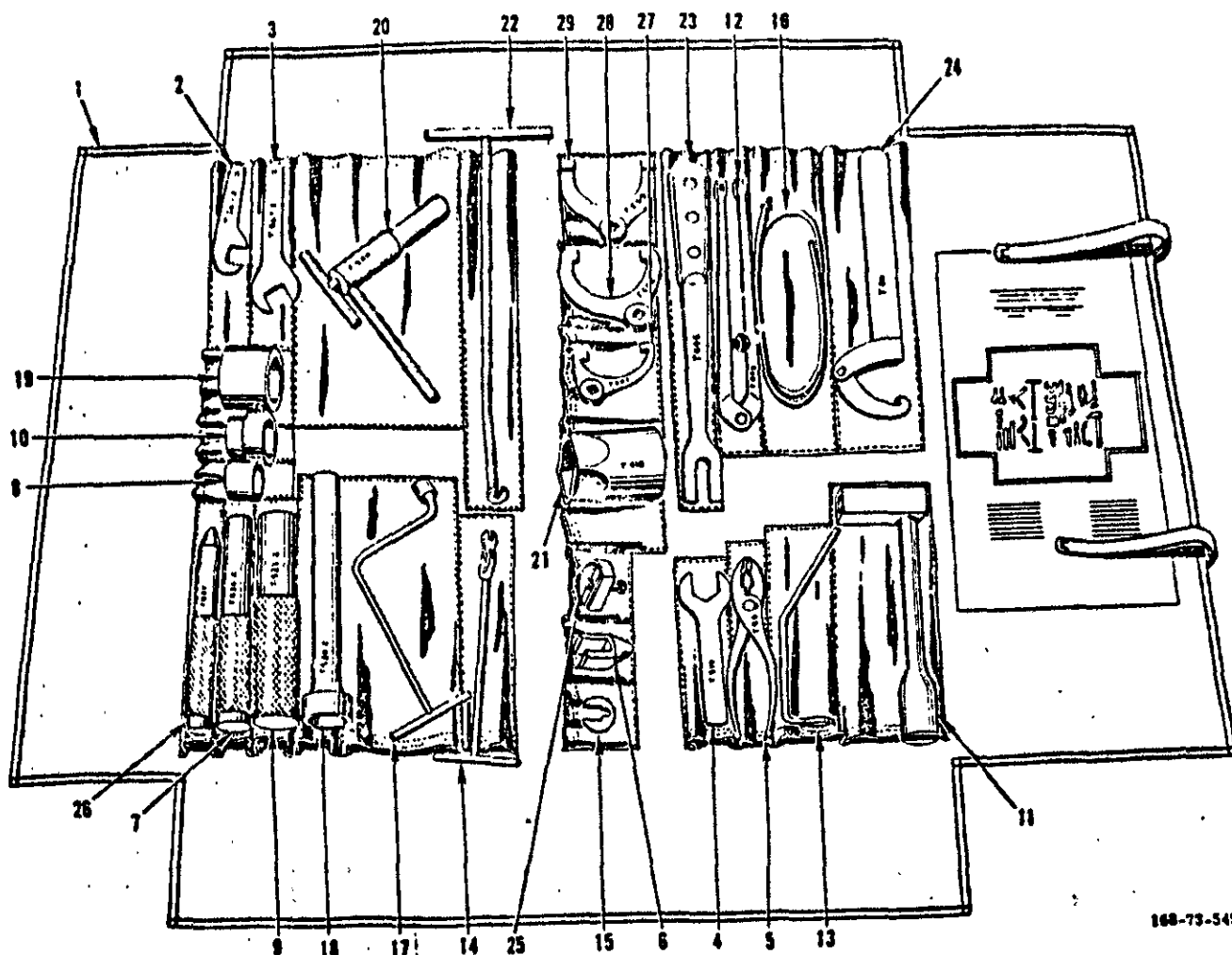


FIGURE 77 - OPERATIONAL SQUADRON TOOL KIT

FIGURE & WRENCH NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
OPERATIONAL SQUADRON TOOL KIT											
77	T950								Kit - Operational squadron tool . . . . .	1	ALL
-1	T600								Bag - Operational squadron tool . . . . .	1	ALL
-2	T49B								Wrench Set Adjustable Spanner . . . . .	1	ALL
-3	T554								Wrench - Fuel tank drain plug . . . . .	1	ALL
-4	T86								Wrench - Adjustable spanner . . . . .	1	ALL
-5	T556								Wrench - Tail wheel shock strut pack nut . . . . .	1	ALL
-6	T542								Wrench - Landing gear and flap cylinder . . . . .	1	ALL
-7	T549								Wrench - Main landing gear packing nut . . . . .	1	ALL
-8	T545								Tool - Lower engine ring cowl install . . . . .	1	ALL
-9	T516								Wrench - Starter crow foot . . . . .	1	ALL
-10	T55								Hose - Brake bleeder . . . . .	1	ALL
-11	T517								Wrench - Generator open end pull . . . . .	1	ALL
-12	T517-2								Tool - Generator open end pull . . . . .	1	ALL
-13	T546								Wrench - Engine driven hydraulic pump . . . . .	1	ALL
-14	T518								Wrench - Main landing gear wheel retaining nut . . . . .	1	ALL
-15	T54								Wrench - Electric plug pliers . . . . .	1	ALL
-16	T519								Wrench - Landing gear and flap packing gland nut . . . . .	1	ALL
-17	3057								Gun Assy - Special 75850 check valve & nozzle (model No. 7585N) 12D40 propeller lubricating (AL) . . . . .	1	ALL



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FIGURE 78 - MAJOR OVERHAUL TOOL KIT

FIGURE & INVENT NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSV.	APPLICATION CODE
MAJOR OVERHAUL TOOL KIT											
78	T953								Kit - Major overhaul tool . . . . .	1	ALL
-1	T602								Bag - Major overhaul tool . . . . .	1	ALL
-2	T567-2								Wrench - Operating piston adjustment . . . . .	1	ALL
-3	T567-3								Wrench - Operating piston adjustment . . . . .	1	ALL
-4	T519								Wrench - Landing gear and flap cylinder packing gland nut . . . . .	1	ALL
-5	T54								Wrench - Electrical plug pliers . . . . .	1	ALL
-6	T524								Tool - Hydraulic hand pump piston guide . . . . .	1	ALL
-7	T526-2								Tool - Hydraulic selector valve packing rings installation . . . . .	1	ALL
-8	T526-3								Tool - Hydraulic selector valve packing rings installation . . . . .	1	ALL
-9	T523-2								Tool - Hydraulic brake cylinder snap ring . . . . .	1	ALL
-10	T523-3								Tool - Hydraulic brake cylinder snap ring . . . . .	1	ALL
-11	T554								Wrench - Fuel tank drain plug . . . . .	1	ALL
-12	T49B								Wrench Set - Adjustable spanner . . . . .	1	ALL
-13	T546								Wrench - Engine driven hydraulic pump . . . . .	1	ALL
-14	T517								Wrench - Generator open end pull . . . . .	1	ALL
-15	T517-2								Tool - Generator open end pull . . . . .	1	ALL
-16	T55								Hose - Brake bleeder . . . . .	1	ALL
-17	T574								Wrench - Main landing gear lock pin assembly . . . . .	1	ALL
-18	T520-2								Tool - Flap piston packing injector . . . . .	1	ALL
-19	T520-3								Tool - Flap piston packing injector . . . . .	1	ALL
-20	T560								Tool - Snap ring remover . . . . .	1	ALL
-21	T518								Wrench - Main landing gear wheel retaining nut . . . . .	1	ALL
-22	T516								Wrench - Starter crow foot . . . . .	1	ALL
-23	T545								Tool - Lower engine ring cowl installation . . . . .	1	ALL
-24	T86								Wrench - Adjustable spanner . . . . .	1	ALL
-25	T575								Tool - Main landing gear lock pin . . . . .	1	ALL
-26	T527								Tool - Hydraulic selector check valve seating . . . . .	1	ALL
-27	T542								Wrench - Landing gear and flap cylinder . . . . .	1	ALL
-28	T556								Wrench - Tail wheel shock strut packing nut . . . . .	1	ALL
-29	T549								Wrench - Main landing gear packing nut . . . . .	1	ALL