# Parts Catalog for T-6G and LT-6G

### T.O. No. 1T-6G-4 (Formerly AN 01-60FFA-4) 15-Feb-1955



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T. O. No. 1T-6G-4 (Formerly AN 01-60FFA-4)

PARTS CATALOG

Thank American Autotion Corp.

Miami, Glarida

Garage

USAF SERIES

## T-6G AND LT-6G

AIRCRAFT

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		Coded A-C)
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Section\_\_I

AN 01-60FFA-4

## SECTION I

This Parts Catalog is applicable to the USAF Model T-6G and LT-6G Airplanes, manufactured by North American Aviation, Inc.

The Catalog is divided into four sections:

Section	1	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 (AL) (T-6G, 49-2897) to and including the airplane coded (A15) (T-6G, 49-2911).

The code (A20-) would indicate that the part is used beginning with the airplane coded (A20) (T-6G, 49-2916), and on all subsequent T-6G airplanes. Note that on this type of code the hyphen "-" is used to mean "and subsequent".

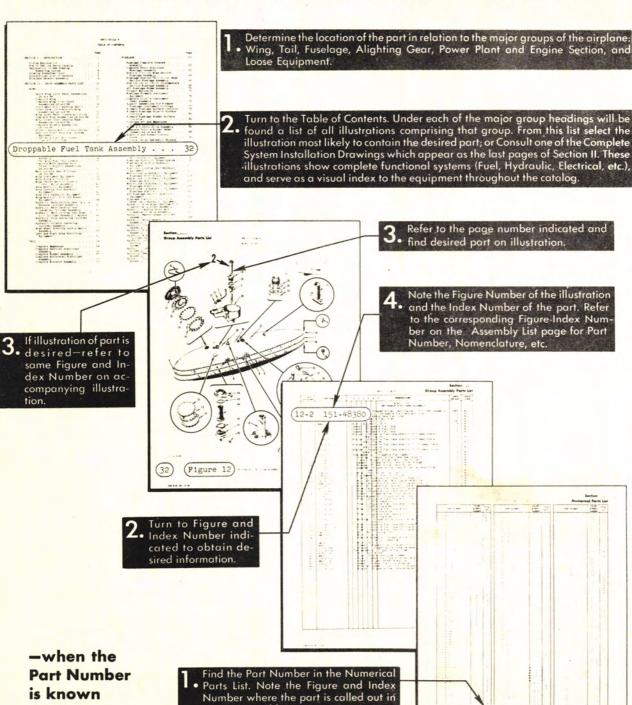
The code (A20) without the hyphen "-", would indicate that the part is used on the airplane coded (A20) only (T-6G, 49-2916).

Parts coded (ALL) are used on all T-6G and LT-6G airplanes.

USAGE CODE	NAA MODEL	NAA SEQUENCE NUMBERS	USAF MODEL	USAF SERIAL NUMBERS	USAGE CODE	NAA MODEL	NAA SEQUENCE NUMBERS	USAF MODEL		AF SERIAL NUMBERS
Α .	. NA-168 .	1-691	T-6G .	. 49-2897 thru 49-3537 50-1277 thru 50-1326						
A15 A19 A20 A50 A51 A85 A86 B1 B20 B21 B56 C47 C66 D30 D31 D72 D85 D86 E40 E51 F5 F1 F1 F5	NA-188 NA-168	851-857		51-15138 thru 51-15237 51-16071 thru 51-16077	F60 . F61 . F76 . F77 . F77 . F77 . F77 . F77 . F77 . F79 . G20 . G21 . G30 . G80 . G81 . G90 . H51 . J57 . K . K . K . K . K . K . K . K . K .	NA-168 NA-182 NA-195 NA-197 NA-197 NA-197 NA-197	560	T-6g T-6g T-6g T-6g T-6g T-6g T-6g T-6g	49-3436 50-1297 50-1296 49-3437 49-3445 49-3486 50-1307 50-1316 49-3536 49-3536 49-3537 51-15138 51-14314 51-14400 51-14400 51-14400 51-14508 51-15137 51-15137 51-17354 51-17354 51-17354 51-17354 51-17354 51-17354 51-17354 51-17354 51-17354 51-17354 51-17354 51-17354 51-17354	thru 51-15137 thru 51-17364 thru 52-8246 thru 53-4614 thru 51-17364 thru 52-8246 thru 53-4614 thru 49-3596

### HOW TO USE THE PARTS CATALOG

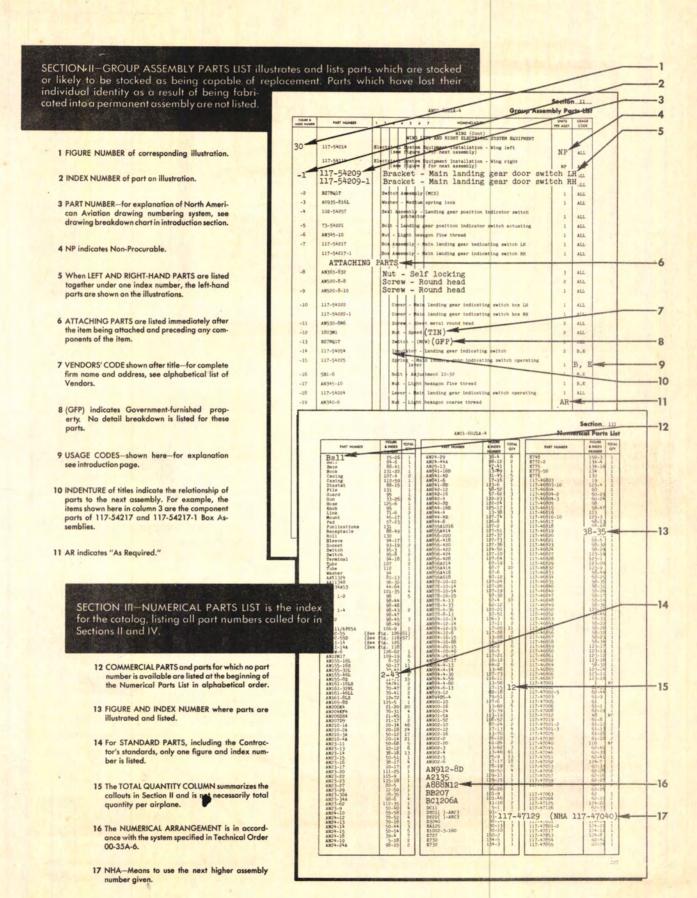
#### HOW TO FIND A PART-when the Part Number is not known

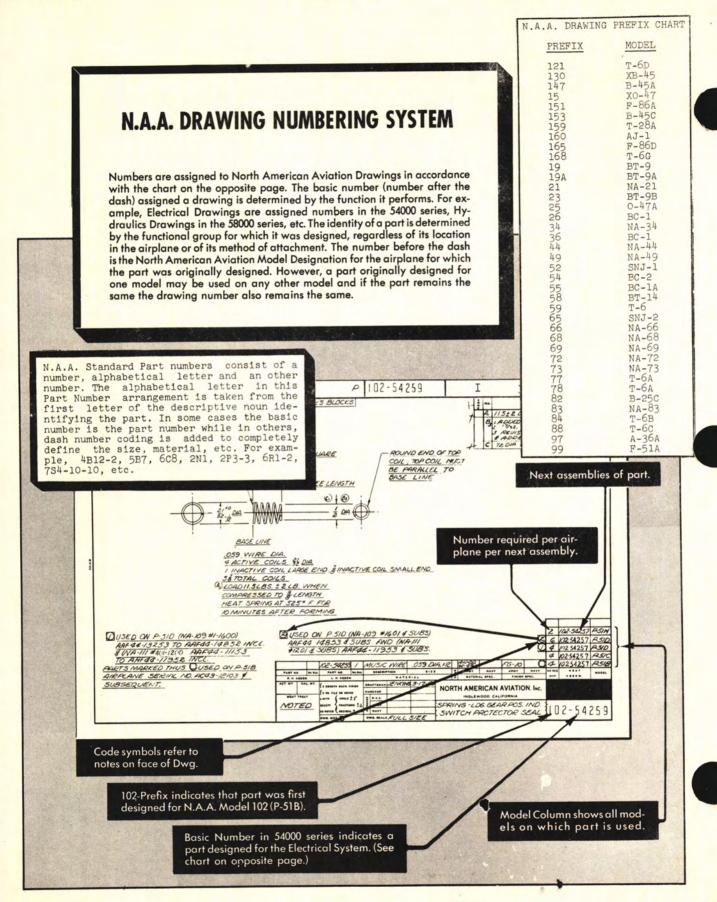


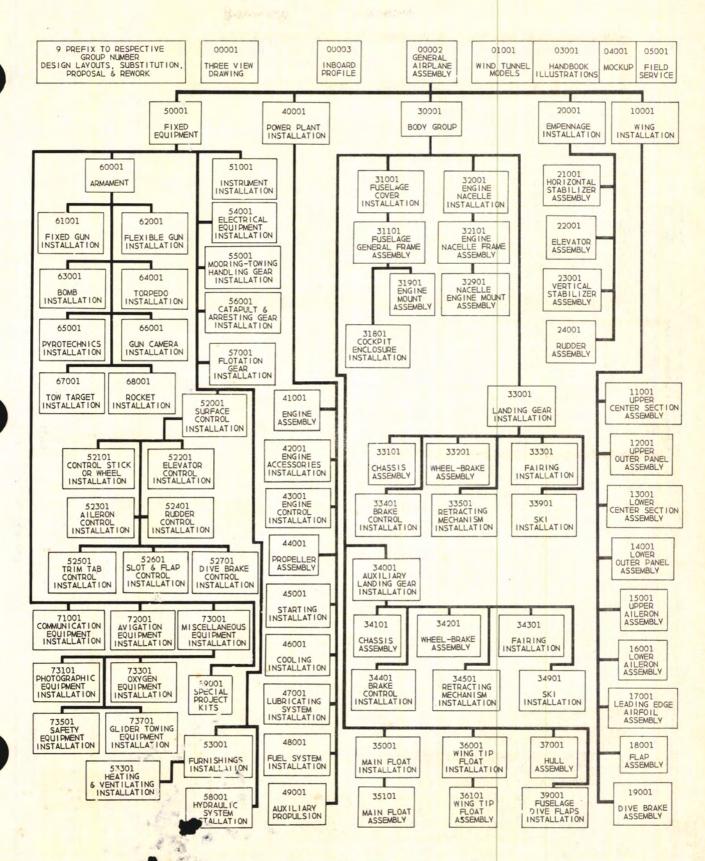
Group Assembly Parts List.

151-48380

12-2







#### ALPHABETICAL LIST OF VENDORS

A	D
AB Allen-Bradley Company	DJA DeJur-Amsco Corp.
118 W. Greenfield Avenue	45-03 Northern Blvd.
Milwaukee 4, Wisconsin	Long Island City, New York
ADE Advance Electric & Relay Co. W. 2nd & Bixel Streets	DZ DZUS Fastener Co., Inc. John Street
Los Angeles 26, California	Babylon, New York
AIR Airesearch Mfg. Co.	
9851 Sepulveda Blvd. Los Angeles, California	E
AL Alemite (Stewart Warner Corp.)	ECP Eclipse Pioneer Div.
37 W. 65th Street	(Bendix Aviation Corp.)
New York 23, New York  AMB American Brakeblock (Div	43 Williams Avenue Teterboro, New Jersey
AMB American Brakeblock (DIV American Brake Shoe Co)	EDI Thomas A. Edison Inc.
230 Park Ave.,	West Orange, New Jersey
New York 17, N. Y.	EG Elgin National Watch Co.
AMP American Phenolic Corp. 1858 S. 54th Avenue	Aircraft Instrument Dept. Elgin, Illinois
Chicago 50, Illinois	ELA Electric Auto-Lite Co.
AP Adel Precision Products Corp.	Toledo 1, Ohio
10777 Van Owen Avenue	ES Edison Splitdorf Corp.
Burbank, California AS Aero Supply Mfg. Co., Inc.	West Orange, New Jersey
Main at Fifth	F
Corry, Pennsylvania	
AW Adams & Westlake Co.	FAF Fafnir Bearing Co., The
Elkhart 1, Indiana American Seating Company	Victory Square New Britain, Connecticut
Grand Rapids 2, Michigan	FN Firestone Tire & Rubber Co.
	Los Angeles, California
В	G
BC Breeze Corp., Ind.	ď
18-38 S. 6th Street	GE General Electric Co.
Newark, New Jersey	Schenectady, New York
BX Bendix Aviation Corp. Fisher Building	GD Goodrich B. F. Co. The 448 South Main St.,
Detroit, Michigan	Akron, Ohio
	GLS Glass Container Inc.
C	3601 Santa Fe Avenue Los Angeles, Caifornia
CAC Consolidated Vultee Aircraft Corp.	GMC Grimes Mfg. Co.
San Diego, California	515 N. Russell Street
CC Chrysler Corp.	Urbana, Ohio
Dayton, Ohio CED Cannon Electric Development Co.	GPC Gladden Products Div. (Kinner Motors)
3209 Humboldt Street	224 W. Colorado Blvd.
Los Angeles 31, California	Glendale 4, California
CH Chandler-Evans Corp. West Hartford, Connecticut	GTR General Tire & Rubber Co.
CN Centralab Div on of	Akron 9, Ohio GY Goodyear Tire & Rubber Co., Inc.
Globe-Union Inc.	(Goodyear Aircraft Corp.)
932 E. Keefe Avenue	Akron, Ohio
Milwaukee l, Wisconsin CUT Cutler-Hammer, Inc.	General Develop Corp.  Elkton, Maryland
315 N. 12th Street	Elkton, Maryland
Milwaukee, Wisconsin	H
Carma Manufacturing Co.	UA Horse Industrias In-
Manhattan Beach, California Copperweld Steel Company	HA Hayes Industries, Inc. Wildwood Road
1939 Kennedy Street	Jackson, Michigan
Glassport, Pennsylvania	HET R. Hetherington & Son
Curtis Automotive Devices Inc.	Elmwood & Clifton Avenue
Dayton, Ohio	Sharon Hill, Pennsylvania HIE Hickok Electrical Instrument Co.
	Dupont & Williams Streets
	Cleveland, Ohio
	HS Hamilton Standard Propeller Div. East Hartford, Connecticut
	East Martiord, Commeeticut

MIAMI 48, FLA.

#### Section\_I Introduction

#### AN 01-60FFA-4

#### ALPHABETICAL LIST OF VENDORS (Cont)

ALPHABETICAL LIST OF VENDORS	(Cont)		
			R
J	RHS		Robert Heatherington & Sons Wilmington, Deleware
JH Jack & Heintz, Inc.			Willington, Delewale
17600 Broadway			S
Cleveland, Ohio	SD		Struthers-Dunn, Inc.
K			1323 Arch
	SEAE		Philadelphia, Pennsylvania
KO Kollsman Instrument Div. of Square D Company	SEAE .		Seaboard Electric Co. 145 Hudson Street
80-04 45th Avenue			New York, New York
Elmhurst, New York	SIE		Simplet Electric Co. 3600 Potomac Ave.,
L			Chicago, Illinois
	SJC		Schick-Johnson Company
LEN Lewis Engineering Company Austin Road			1737-45 N. Paulina Street Chicago, Illinois
Navgatuck, Connecticut	SPE		Sperry Gyroscope Co., Inc.
LI Liquidometer Corp.	QDB.		Great Neck, New York Sprague Specialties Co.
Skillman Ave. & Hulst St. Long Island City, New York	DIN		201 Beaver Street
LR Leach Relay Co., Inc.	OI Imp		North Adams, Massachusetts
5915 Avalon Blvd. Los Angeles, California	SWIM	•	Stewart, F. W. Mfg. Co. 4311-13 Ravenswood Avenue
LTF Littlefuse Inc.			Chicago, Illinois
4757 Ravenswood Avenue			T
Chicago 40, Illinois			
M	TEL		Telephonics Corp. New York, New York
MAL P.R. Mallory & Co., Inc.	TEM		Ternstedt Mfg. Div of
1200 E. 24th Street			General Motors Corp.
Indianapolis 5, Indiana MARI Marco Industries Co.			6307 W. Fort Detroit, Michigan
210 S. Clementine	TI		Timken Roller Bearing Co.
Anaheim, California	MTD		Canton, Ohio
MH Minneapolis-Honeywell Regulator Co. 2709 Fourth Avenue South	T1B	•	Tison Brothers 2226 South Sepulveda
Minneapolis, Minnesota			Los Angeles 25, California
MMM Manning Maxwell & Moore Inc. ll Elias Street	TIN	٠	Tinnerman Products Inc. 2079 Fulton Road
Bridgeport 2, Connecticut			Cleveland 13, Ohio
MOI Moulded Insulation Co.	TOR	٠	Torrington Company, The Torrington, Connecticut
335 E. Price Street Philadelphia 44, Pennsylvania			Torrington, connecticut
V			U
N	UA		United Aircraft Products Inc.
NA North American Aviation, Inc.			1116 Bolender Avenue
Municipal Airport  Los Angeles 45, California	UCI		Dayton 1, Ohio Ucinite Company
National Radio Products			1 Nevada Street
Malden, Massachusetts	IIG		Newtonville, Mass. U. S. Gauge Company
0		•	44 Beaver Street
OAK Oak Manufacturing Co	III		New York, New York
OAK Oak Manufacturing Co. 1260 N. Claybourn Ave.			Union Hardware Company Torrington, Connecticut
Chicago, Illinois	USR		U. S. Rubber Company
OM Ohmite Manufacturing Co., 4835-55 W. Flournoy Street			1230 Sixth Avenue New York 20, New York
Chicago, Illinois			
P			W
	WAE		Wagner Electric Corp
PA Parker Appliance Company 17325 Euclid Avenue			6410 Plymouth Ave. St. Louis 14, Missouri
Cleveland, Ohio	WAH		Weston Hydraulics 3o.
PDI Pacific Division			10918 Burbank Blvd.
.(Bendix Aviation Ltd.) North Hollywood, California	ww		North Hollywood, California Waltham Watch Co.
PE Pesco Products Div. of			Waltham, Massachusetts
Borg Warner Corp. 13100 Taft Avenue	Walsco Pr		ets Beverly Hills, Califor <b>n</b> a
Cleveland, Ohio	Warren-Mc	Art	hur Corp.
PK Parker-Kalon Corp. 208 Varick Street			One Park Avenue
	Weatherfo	rd	New York 16, New York Co., R.V.
Pacific Clay Products Company			Glendale, California
306 W. Avenue 26 Los Angeles, California			Y
Pacific Coast Engineering	wan		
	YGR		Young Radiator Co. 724 Marquette Street
The state of the s			

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

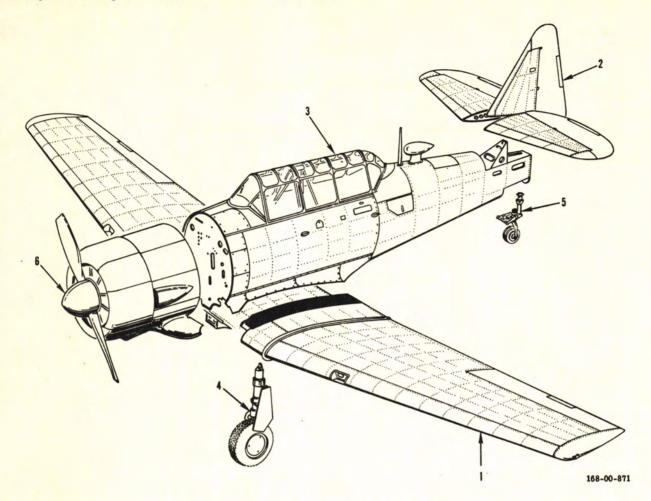


FIGURE	1	_	T6-G	ATRPLANE	GENERAL.	ARRANGEMENT
FIGURE	_	-	10-6	AIRPLANE	GENERAL	ARRANGEMENT

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	USEABLE ON CODE
		T-6G AIRPLANE GENERAL ARRANGEMENT		
1	168-00001	General Arrangement - T-6G 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 . detail breakdown)	1	ALL
-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 57 for detail breakdown)		ALL
	No Number	. Alighting Gear Emer downlock instl (see fig. 56A for detail . breakdown)	NP	ALL
-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 detail breakdown)		ALL
	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) .		ALL
	168-54001	. Electrical Equipment Installation (see figure 37 for detail . breakdown)		ALL
	168-58011	. Hydraulic Equip Instl (modification) (see figure 35 for detail breakdown)	NP	ALL
	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 detail breakdown)		Ā
	182-71004	. Radio SCR522 Instl - Complete (see fig. 46B for detail breakdown)	NP	K
	182-71001	. Radio Equip Instl - Fuselage complete (see figure 44E for detail breakdown)	NP	K
	168-53075	. Data Instl - Loose equipment and general (see figure 72 for . detail breakdown)	NP	A
	168-53175	. Data Instl - Loose equipment and general (see figure 72 for . detail breakdown)	NP	Z
	182-53075	. Data Instl - Loose equipment and general (see figure 72 for . detail breakdown)	NP	K1,K2
	197-53075	. Data Instl - Loose equipment and general (see figure 72 for detail breakdown)	NP	К3
	168-61001	. Gunsight Instl - Front cockpit (see figure 72E for detail breakdown)	NP	Z

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Group Assembly Parts List

Section\_II\_

AN 01-60FFA-4

## SECTION II GROUP ASSEMBLY PARTS LIST

FIGURE & INDEX 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	Flan Assy - Outer wing IH (see fig.5 for detail breakdown) .	1	ALL
-2	55-18001-1 66-18002	Flap Assy - Outer wing RH (see fig. 5 for detail breakdown)	1	ALL
2	ATTACHIN	PARTS . Nut - Castle shear	11	ALL
-3 -4	AN320-4 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 AN24-24	. Spacer - Bolt (NA)	2	ALL
-9 -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		ALL
-15 -16	AN316-4R 88-52575-2	Weld Assy - Aileron trim tab control adjusting rod	-	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
-18	ATTACHIN 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		ALL
-25 -26	AN23-20	Bolt - Clevis 10-32		ALL
-27	77-10032 88-10020	. Cover Assembly - Wing joint lower LH		ALL
-21	88-10020-1	. Cover Assembly - Wing joint lower RH		ALL
-28	168-14001-1	. Wing Assy - Outer panel LH (mod) (superseded by and is		
	-60 -1	interchangeable with 168-14701-1) (see figure 3)	1	A -
	168-14701-1	. Wing Assy - Outer panel LH (supersedes and is interchange- able 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 inter- changeable with 168-14701-2) (see figure 3)	1	A-
	168-14701-2	. Wing Assy - Outer panel RH (supersedes and is interchangeabl with 168-14001-2) (see figure 3)		ALL
1	168-14001-102	. Wing Assy - Outer panel RH (mod) (see fig. 3)	ī	Z
-29	ATTACHIN AN365-428	. Nut - Self locking 250°F	100	ALL
-30	AN960-416	. Washer - Plain	106	ALL
-31	AN4-6A	. Bolt - Aircraft 1/4-28		ALL
-32	AN4-7A	. Bolt - Aircraft 1/4-28	42	ALL
-33	AN4-10A AN365-524	Bolt - Aircraft 1/4-28	120	ALL
-34 -35	AN960-516	. Washer - Plain	106	ALL
-37	AN960-516L	Washer - Plain	60	ALL
-36	AN5-7A	. Bolt - Aircraft 5/16-24	60	ALL
-37	AN5-10A	. Bolt - Aircraft 5/16-24		ALL
-38	AN5-11A	Bolt - Aircraft 5/16-24	50	ALL
-39 -40	AN365-1032 AN960-10	. Nut - Sell locking 250 F	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 -45	AN320-5 52-52628	. Nut - Castle shear	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)

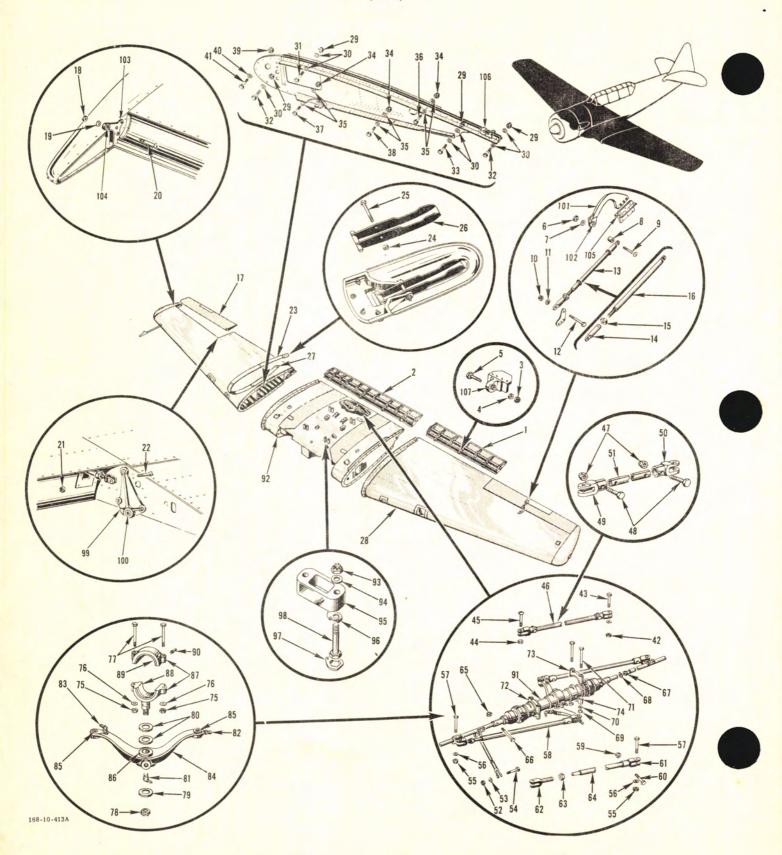
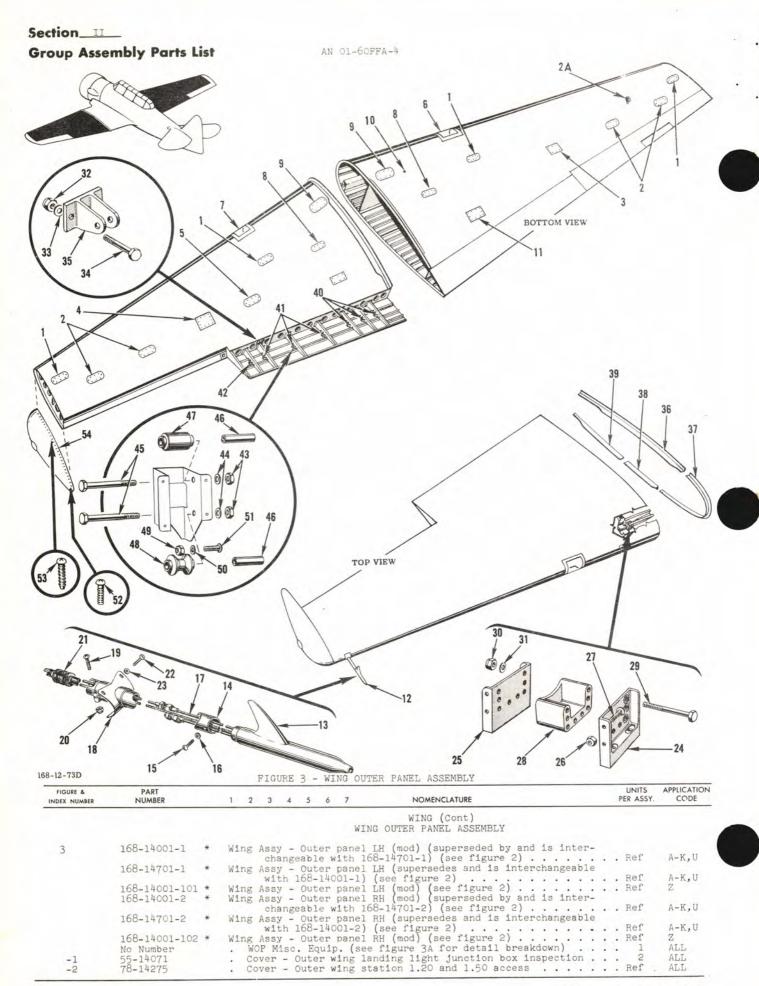


FIGURE 2 - WING (Cont)

												rr H-4		Group Asse	mbly P	arts List
FIGURI		PART NUMBER	1	2	3	4	5	6	7	7		NO	MENCLATURE		UNITS PER ASSY.	APPLICATION CODE
													NG (Cont)	1		
2-50		36-52618			Cle	vis	3 -	Fl	ap	pu	ish-pu			od attaching	1	ATT
-5		36-52625-2			Roc	-	FIS	ap.	equ	ia l	lizer (	contro	1		i	ALL ALL
-53 -53	2	AN320-3 AN960-10L		Nu	U -	Cas	STIE	9 8	hea	Tr.					10	ALL
-51	+	AN23-10		Bo	sner	C1	PIE	ie	10-	20					10	ALL
-55	5	AN310-5		Nu	t -	Cas	tel	ша	tec	i a	irfran	ne			10	ALL
-56		AN960-516		Was	sher	-	Pla	ain							7	ALL
-5°		AN5-12 36-52630		Bo.	It -	A1	rer	af	t 5	5/1	6-24				0	ALL
-59		AN365-1032		Roo	a As	sen	IDT?	7 -	H. T	lap	equa	izer	adjustable con	trol	1	ALL
-60		AN3-11A	:		BOI	t -	- A1	rc	raf	*t.	10-32				1	ALL
-6:		36-52619			СТЕ	Vls	-	H, T	ap	ea	ualize	er rod	arm attaching		1	ALL
-63		36-52631 AN316-6R			Cle	V1S	-	Fl	ap	eq	ualize	r adi	ustable contro	l cod	ī	ALL
-61		36-52630-2			Rod	_ ^	Che	ck			1700 00			control	1	ALL
-65		AN365-428	:	Nut	t -	Sel	f	OC	kin	10	250°F				1	ALL
-66		AN4-12A		Bo?	IT -	A1	rcr	ai	t 1	14	-28 .				1	ALL
-67		AN316-6R 36-52651		Nut	- 0	une	CK								ī	ALL
-69		AN 365-428		Was	sner	- 001	Win	ng oo	cen	ite	r sect	ion r	ight flap push	-pull rod lock .	1	ALL
-70	)	AN960-416	:	Was	sner.	-	PIA	11n						-pull rod rock .	24	ALL
-71		AN4-34A		BO1	Lt -	Al	rcr	ar	T I	./4	-28 .				4	ALL
-72 -73		55-58178 #55-58178-2		Sur	opor	t A	SSY	_	Hy	dr	aulic	flap	operating cyli	nder .	1	ALL
-74		#55-58178-3		•	Sup	por	t -	H	ydr	au	lic fil	ap op	erating cylind	er upper	1	ALL
-75		AN365-1032		Nut	Sup.	Sel	f 1	OC.	kin	au.	250°F	ap op	erating cylind	er lower	1	ALL
-76		AN960-10		Was	sher	-	Pla	in							2	ALL
-77 -78		AN3-13A		Bol	t -	A1	rcr	af	t l	0-	32 .				2	ALL
-79		AN320-6 2W1C25-40-63		Nut	hon	Cas	tle	S	hea /N	r					1	ALL
-80	)	2W1C57-40-19		Was	her	_	Pla	in	N	A					1	ALL
-81		NAS2-201		Fit	tin	g -	Lu	br:	ica	tic	on .				1	ALL
-82 -83		1637		Lub	rica	ato	r (	AL	)						î	ALL
-84		1703 36-52612		Lub	rica	ato	r (	AL	)				:,;		1	ALL
-85		36-52652		AL III	Busl	nin	g -	F.	lan	ap	qualiz	or edi	alizer rocker		1	ALL
-86		4B19S14-32			Busi	nın	g -	Pi	res	SI	fit pl	ain ()	IA)		1	ALL
-87 -88		36-52623		веа	rin	Z A	sse	mb.	ly ·	- I	Flap c	ontro.	equalizer ro	cker arm	î	ALL
-89	,	##36-52623-2 ##36-52623-3			Bear	rin	g -	F.	lap	C	ontrol	equa.	lizer rocker an	rm lower	1	ALL
-90		1703			Bear	rin	g -	F.	lap	CC	ontrol	equa:	lizer rocker a	rm upper	1	ALL
-91		55-58032		Str	ut	Ass	emb	lv	(AL	HVC	drauli	c wing	flan operation	ng	1	ALL
-92		168-13001		Win	Ig A	SSy	-	Cer	nte:	rs	sectio	n (mod	(supergeded	by & ic inton	1	ALL
		168-13001-100			(	cna	nge	ab	10	พา1	th lha	_13701	1 (000 ftm 6	for headled	1	Α
		100-13001-100		Win	K AS	SSy	- 1	cer	nte	rs	sectio	n (mor	(supergeded	har & ta tatam		***
		168-13001-200		Win	g As	SSV	- d	Cer	nte	WIT S	sectio	-13701	(supergoded	gure 6) by & is inter-	1	Z
		- 40			(	enai	ngea	abı	re i	W 1 T	th lb8	-13701	-200) (cap fi	mino 61	1	U
		168-13701		Win	B AS	SSy	- (	cer	nte	r s	sect10	n (sur	ersedes & 10	intenchangeable	1	0
		168-13701-100			V	1J L	n It	00-	- 1 3 (	001	1) (se	e fig.	6 for detail	hanaledoum	1	A
				WILL	B H	vith	1 16	68-	-130	001	1-100)	(see	fig 6 for det	interchangeable tail breakdown).	,	_
		168-13701-200		Win	R WE	bby	- (	Jei.	rei	I. S	section	n (sur	ersedes & is	nterchangeable	1	Z
-93		AN310-6			V	vitr	1 10	08-	-130	001	1-200)	SAR	fig. 6 for dot	roil hmonledown)	1	U
-94		AN960-616		Was	her	ast	el.	tat	ea	a1	iriram	e		::::::::	8	ALL
-95		28-13117		Spa	cer	- v	Vins	Z C	ent	ter	sect	ion re	ar attaching	: : : : : : : :	8	ALL
-96		88-13088		Kee	per	ASS	3.V -	– W	ling	Z C	center	secti	on holt (nef &	38_13001 \	28	ALL
-97 -98		88-13087 AN6-44		Kee	per	- 4	J1nc	or c	ent	CAY	gent.	on 2	8 holt (mot 00	12001	8	ALL
-90		AN6-47		Bol	t -	Alr	cra	art	3/	18-	-24 (fr	vd att	aching) (ref	38-13201)	4	ALL
		AN6-66		Bol	t -	Air	cra	aft	3/	/8-	24 (at	t att	aching (ref 8	88-13201)	3	ALL
		55-14010													NP	ALL
-99		55-14010-1 88-14066		UTILI	Re I	nst	all	Lat	lor	1 -	· Outer	wing	aileron RH		NP	ALL
- 23		88-14066-1		. 1	Drac	Ke t	AS	SSy	-	Uu	iter wi	ing al	Leron inhoard	hinge TH	1	ALL
-100		AN200K5			· B	ear	ing	5 -	He	eav	v duty	ball		hinge RH	1	ALL
-101	L	88-14069		. 1	Brac	Ket	AS	SV	-	Ou	iter wi	ng ce	nter aileron h	inge TU	1	ALL
-102		88-14069-1 AN200KS4		. 1	Brac	ket	AS	SSy	-	Ou	ter wi	ng ce	nter aileron h	inge Ru	1	ALL
-103		121-14065			. в	ear	ing	5 -	не	av	y duty	ball		hinge LH	1	ALL
		121-14065-1		. L	3rac	ĸet	AS	SV	-	Ou	ter wi	ng ai	leron outhoard	hingo DU	1	ALL
		AN2OOK4			. в	ear	ing	-	He	av.	v duta	hall			1	ALL
-104		55-14255		_ T	1000	-	out	er	w1	ng	cente	r hin	re bracket Tu		ī	
-104	)				ase		mit	-		~	001100	- 1	Se bracket In			ALL
	5	55-14255-1 77-10031		. I	sase	_	uut	er	Wl	ng	cente	r nin	ze bracket RH	ndle	1	ALL

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

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



#### TRANS AMERICAN AVIATION CORP. P. O. BOX 755 MJAMI 4B, FLA.

## Section\_II\_

AN 01-60FFA-4

#### **Group Assembly Parts List**

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	PER ASSY.	APPLICATION CODE
		WING (Cont) WING OUTER PANEL ASSEMBLY (Cont)		
				A T T
3-2A	5R9	. 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	. 1	ALL
-6	78-14112	Door Assembly - Outer wing landing light RH	. 1	ALL
-7	78-14112-1	. Door Assembly - Outer wing landing light An	. 12	ALL
	A3135 AN507-832R8	Washer (TIN)	. 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 noint	. 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 (GFP)	. 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°F	. 1	ALL
-21	88-51033-2	Tube Assembly - Airspeed pitot complete	. 1	ALL
-55	AN515-8-8	. Screw - Round head machine coarse thread	. 4	ALL
-23	2W1-11-20-32	. 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	88-33582	Fitting - Landing gear strut housing LH	. 1	ALL
-25	88-33582-1	Fitting - Landing gear strut housing RH	. 1	ALL
-26	AN365-1032	Nut - Self locking 250°F	. 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°F	. 8	ALL
-31	AN960-416	Washer - Plain	. 8	ALL
-32	AN365-428	Nut - Self locking 250°F	. 0	ALL
-33	AN960-416	Washer - Plain	. 6	ALL
-34	AN4-6A	Bolt - Aircraft 1/4-28		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
- 0	54-14028	Angle - Outer wing nose bolting LH		
-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	-	ALL
11.0	54-14030	Angle - Outer wing lower rear bolting LH Bracket Assy - Outer wing flap control tube roller RH .		ALL
-40	88-14091-1	. Bracket Assy - Outer wing flap control tube roller LH .		ALL
11.7	88-14091 88-14091-3	. Bracket Assy - Outer wing flap control tube roller RH .	. 2	ALL
-41	88-14091-3	. Bracket Assy - Outer wing flap control tube roller LH .	. 2	ALL
-42	88-14091-5	. Bracket Assy - Outer wing flap control tube roller RH .	. 2	ALL
-42	88-14091-4	. Bracket Assy - Outer wing flap control tube roller LH .	. 2	ALL
-43	AN310-3	Nut - Castellated airframe	. 2	ALL
-43 -44	AN960-10	Washer - Plain		ALL
-45	AN3-13	Bolt - Aircraft 10-32	. 2	ALL
-46	55-52636	Spacer - Flap control tube guide roller		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°F	. 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
23	No Number	. Outer Wing Aileron Control Equipment (see figure 26 for	. NP	ALL
		breakdown)		
	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 B
	168-14011-2	Tip Assembly - Wing modification RH	. 1	ALL

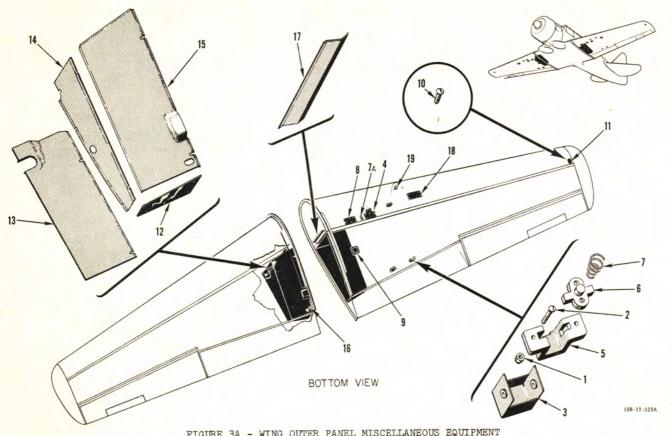


FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION
INDEX NUMBER	Homen	WING (Cont)		
		. WING OUTER PANEL MISCELLANEOUS EQUIPMENT		
		Wing Outer Panel Miscellaneous Equip. (see fig. 3 for next assy)	NP	ALL
3A	No Number	penal Tret1 - WOP sta 45 268 to sta bu. 35/ LH (mou)	NP	Z
	168-14445-1 168-14445-2	penal That1 - WOP sta 45 268 to sta 60.35( RH (Mod)	NP	Z
	168-14430-1	perel Trett Wing outer panel station 29.074 LH	NE	Z
	168-14430-1	Panel Instl - Wing outer panel station 29.0/4 KH	14.1	Z Z
1	AN365-632	West Colf looking 250°F	-	Z
-1 -2	AN515-6R8	Sanay - Mach round head coarse thread (used With 100-1444)	) 4	Z
-2	AN515-6R9	. comow Mach round head coarse thread (used With 100-14450	) 4	Z
2	117-54244	Govern Aggordly - Pocket electrical connector	-	
-3	168-54080	Cover - Wing outer panel sta 290.074 electrical access	-	Z Z Z
	117-54240	Procket - Rocket electrical connector guide	_	Z
<b>-</b> 5	117-54241	plus Assy Pocket electrical connector	2	
-7	117-54243	control Pooket electrical connector operating	_	Z
- 1	168-14415-1	penal Trett - Wing outer panel sta 15.029 LH (mod)	INI	Z
	168-14415-2	Panal Inetl - Wing outer panel Sta 15.029 KH (MOG)	14.1	Z Z
71	168-68010	Filler - Fud nocket fairing W.O.P. sta 30.1(0 IWG Dracket.	1	Z
-7A -8	168-63016	Doon - Bomb nack access wing outer panel Sta 19 Ln	_	Z
-0	168-63018	Door - Bomb rack access wing outer panel sta 19 KH	_	Z
0	121-61408-4	Door - WOP sta 16.589 gun pod access	+	Z
-9 -10	AN526-8R8	Sanow Machine truss head	4	ALL
-10	168-14018	Cover Wing outer panel electrical access	1	ALL
-11	168-48023-1	Tiner Instal ation - Auxiliary fuel cell LH	1	ALL
	168-48023-2	Timen Installation - Auxiliary fuel cell KH		ALL
-12	168-48027	Tinon - Auxiliany fuel cell flap spar		ALL
-13	168-48025-2	Liner - Auxiliary fuel cell upper RH	Τ.	ALL
-13	168-48025-1	Timen Auxiliany fuel cell upper LH	1	ALL
-14	168-48024-2	rinon Auxiliany fuel cell wing station 15.009 Km	1	ALL
-14	168-48024-1	Tinen - Auxiliary fuel cell wing Station 15.009 Ln	7	ALL
-15	168-48026-2	Tinen - Auxiliary fuel cell lower KH	-	ALL
-17	168-48026-1	Tinon - Auxiliany fuel cell lower LH		ALL
-16	168-48012-2	Adapter - Auviliary fuel tank drain support RH	1	ALL
-10	168-48012-1	Adopton - Auviliany fuel tank drain support LH	1	ALL
-17	168-48029	Tinen - Auxiliary fuel cell front spar	1	ALL
- 11	168-14401	. Panel Instl - Outer wing sta 60.359 to 75.445 (mod) (left win	ıg	Z
	100 11.01	only)	14 1	
-18	168-66018	Door - Rocket camera wing outer panel sta 75.445 access .	1	Z Z
-19	168-66006	Pointen - Pocket camera position	1	2
-19	168-66001	Camera Inst! - WOP sta 75.445 rocket (see Figure (2E		Z
	100-0001	for detail breakdown)	NP.	4

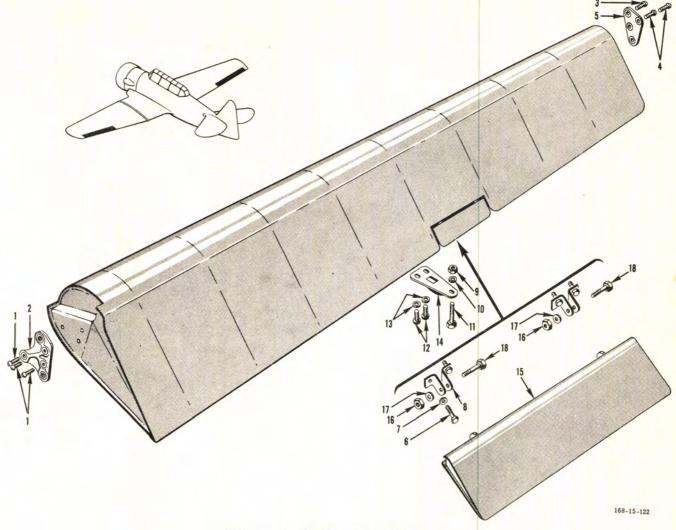


FIGURE - 4 COVERED AILERON ASSEMBLY

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION
		WING (Cont) COVERED AILERON ASSEMBLY		
24	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	ī	ALL
-1	AN507-428-12	Screw - 100° Flat head machine coarse thread	3	ALL
-2	55-16080-3	Bracket Assembly - Aileron inboard hinge RH	ĭ	ALL
	55-16080-2	Bracket Assembly - Aileron inboard hinge LH	1	ALL
-3	NAS221-10	Screw - Brazier head Phillips recess alloy steel 10-32 .	ī	ALL
-4	NAS221-11	Screw - Brazier head Phillips recess allow steel 10-32	2	ALL
-5	55-16031-5	Bracket Assembly - Aileron outboard hinge RH	1	ALL
-	55-16031-4	. Bracket Assembly - Aileron outboard hinge LH	ī	ALL
-6	AN3-4A	Bolt - Aircraft 10-32	2	ALL
-7 -8	AN960-10	Washer - Plain	2	ALL
	55-24018	Support Assembly - Trim tab hinge	2	ALL
-9	AN316-4R	. Nut - Check	ī	ALL
-10	AN960-416	. Washer - Plain	ī	ALL
-11	5B2-16	. Bolt - Adjustment	1	ALL
-12	NAS221-14	. Screw - Brazier head Phillips recess alloy steel 10-32	2	ALL
-13	AN936B10	. Washer - Plain	2	ALL
-14	88-16035	. Bracket - Aileron center hinge	1	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	2	ALL
-17 .	AN960-10L	. washer - Plain	2	ALL
-18	AN3-10	. Bolt Aircraft 10-32	2	ALL

. AN O1-60FFA-4 WING (Cont)

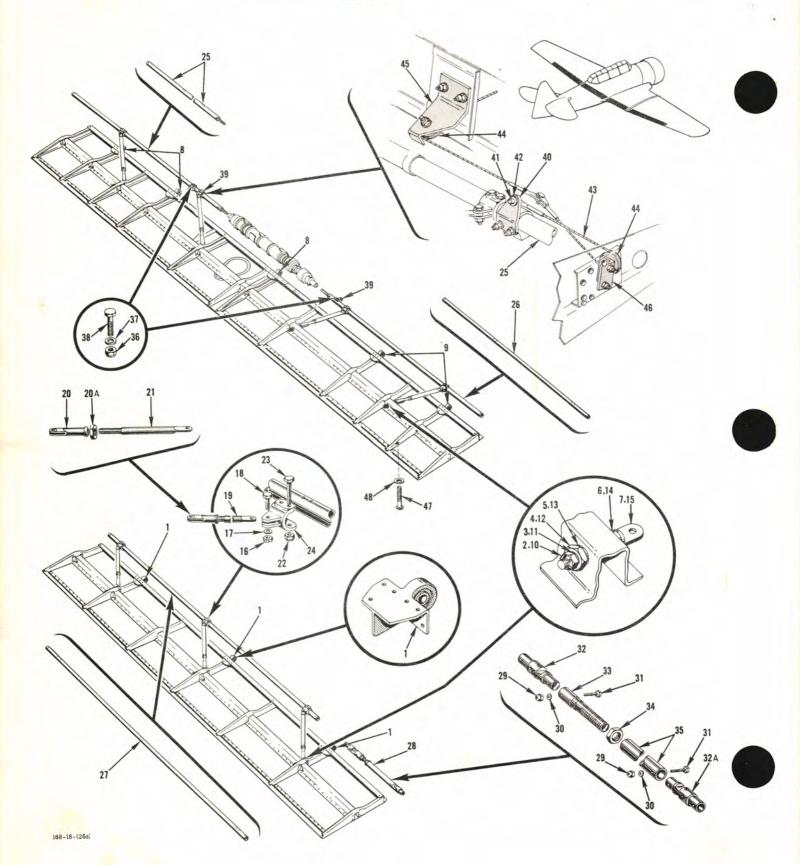


FIGURE 5 - OUTER WING AND CENTER SECTION FLAPS AND FLAP CONTROL RODS

#### TRANS AMERICAN AVIATION CORP. P. O. BOX 755 MIAMI 48, FLA.

AN 01-60FFA-4

#### Section\_II\_ **Group Assembly Parts List**

FIGURE & NDEX NUMBER	PART NUMBER		1	2	3	4		5 6	7		NOM	ENCLATURE						UNITS PER ASSY	APPLICATI
						OHE				ID O		(Cont)							,
						001	ER	MTI	G AN	ID CI	ENTER SECT	ION FLAPS	AND FL	AP COI	NTRO	L R	ODS		
5			Ou									s and Flap							
	55-18001											see figure						Ref	ALL
	55-18001-1			F1	ap	Ass	em	bly	- Ou	ter	wing RH (	see figure	2 for	next	ass	9)		Ref	ALL
-1	55-18022				H	inge	A	ssen	bly	- F.	ap LH							1	ALL
0	55-18022-1																	1	ALL
-2 -3	AN310-4																	3	ALL
-4	2W1-17-16-125 AN316-8R																	3	ALL
-5	2W1-33-24-62											:::::						3	ALL
-6	55-18006											ing flap .						3	ALL
-7	55-18024																	3	ALL
	66-18002			FI	an	Agg	emi	hlv	- Wi	na	enter cer	tion (see	fimine	2 for	nes			2	ALL
	00 10002			1.1	ap													Ref	ALL
-8	55-18022				Hi	nge	A	ssem	blv	- F	an LH	: : : : :						3	ALL
-9	55-18022-1				Hi	nge	A	ssem	blv	- F	ap RH						•	2	ALL
-10	AN310-4	*1																4	ALL
-11	2W1-17-16-125	*1																24	ALL
-12	AN316-8R																	24	ALL
-13	2W1-33-24-62	*1																4	ALL
-14	55-18006	*1			Bu	shi	ng	- C	ente	r ar	d outer w	ing flap .						24	ALL
-15	55-18024	*1			Ev	e B	011	t -	Wing	fla	p							24	ALL
	No Number			Wi	ng	Out	er	Pan	el F	lap	Control R	ods (see f	igure 3	3 for	next	5			
						as	ser	nbly	) .									NP	ALL
- 3	No Number			Wi	ng	Cen	ter	· Se	ctio	n Fl	ap Contro	1 Rods (se	e figur	re 6)				NP	ALL
-16	AN310-3											used on ou						6	ALL
	AN310-3	*1										used on ce						4	ALL
-17	AN960-10											r panel fl						6	ALL
- 0	AN960-10	*1										er section						4	ALL
-18	AN3-7	4.7			Во	lt ·	- 1	lirc	raft	10-	32 (used	on outer p	anel fl	Laps)				6	ALL
10	AN3-7	*1			Во	It.	- I	lire	raft	10-	32 (used o	on center	section	i flap	) .			4	ALL
-19	55-52649				Tu	rnbi						pull conne						-	
	55-52649	*1			m.		()	isea	on	oute	r panel 1.	laps)						6	ALL
	22-25049	,T			Tu	rnbi						pull conne						1,	A T T
-20	AN486-4					01	(1	isea	Pod	cent	er section	n flap) .					•	4	ALL
-20A	AN316-4R					Mart	+	Ch	nou	end	adjusting							1	ALL
-21	55-52649-2					Roc	4 -	. F1	an ni	neh-	null conne	ecting					•	1	ALL
-22	AN365-1032			•	Nin	+ -	Se	16	lock	ina	250°F							14	ALL
-23	AN3-13A				Bo	1t	- 4	inc	raft.	10-	32						•	14	ALL
-24	19-52638				Br	acke	et.	- F	lan	oush	-pull tube	turnbuck	le atta	ching			•	10	ALL
-25	66-52647											t flap pu						1	ALL
-26	66-52648											on right f						î	ALL
-27	55-52643											push pul						ī	ALL
-28	55-52646											l universa						1	ALL
-29	AN365-1032					Nut	t -	Se:	lf 10	ocki	ng 250°F							2	ALL
-30	AN960-10					Was	she	r -	Plas	in								2	ALL
-31	AN3-11A					Bo]	lt	- A:	irera	aft	10-32							2	ALL
-32	19-52642											universal						1	ALL
-32A	19-52642	*1										universal						1	ALL
22	54SAA470	*2										ating flag							A, K, V, W
-33	19-52652											l adjustme						1	ALL
-34	AN316-8R																	1	ALL
-35	55-52651											universal						1	ALL
-36	AN365-1032 AN960-10																	4	ALL
-37 -38	AN3-14A				wa	sner		PIS	iln .	70								4	ALL
-39	36-52611				DO.	20100	+ A	TI.G.	art	TU-	null +uh	equalizer	nod -	++001	1 0 -		•	4	ALL
-40		*2			Bri	acke	+	- C.	hle	and	-barr cape	equalizer	rou a	uden	Tug			2	ALL
-41	AN393-9	*2			Pi	n -	וק	2+ 1	POST	3 /1		:::::					•		A,K,V,W A,K,V,W
-42	AN960-10L	*2			Wa	shen	11	P1	icau	2/1		:::::						1	A,K,V,W
-43	53SAA1842	*2	:		With	re R	lon	P A	semb	יוני	Flan ind	icator .					•	1	A,K,V,W
-44		*2										g control							A,K,V,W
-45		*2										e control							A,K,V,W
-46		*2										g rib							A,K,V,W
-47		*2										ne thread					•	4	r, L, V, W
		-			~~,	- 11						on flap)						4	A,K,V,W
-48																			A,K,V,W

 <sup>\*1</sup> Parts marked thus not used on aircraft reworked in accordance with T. O. 1T-6G-204.
 \*2 Parts marked thus used only on aircraft reworked in accordance with T. O. 1T-6G-204.

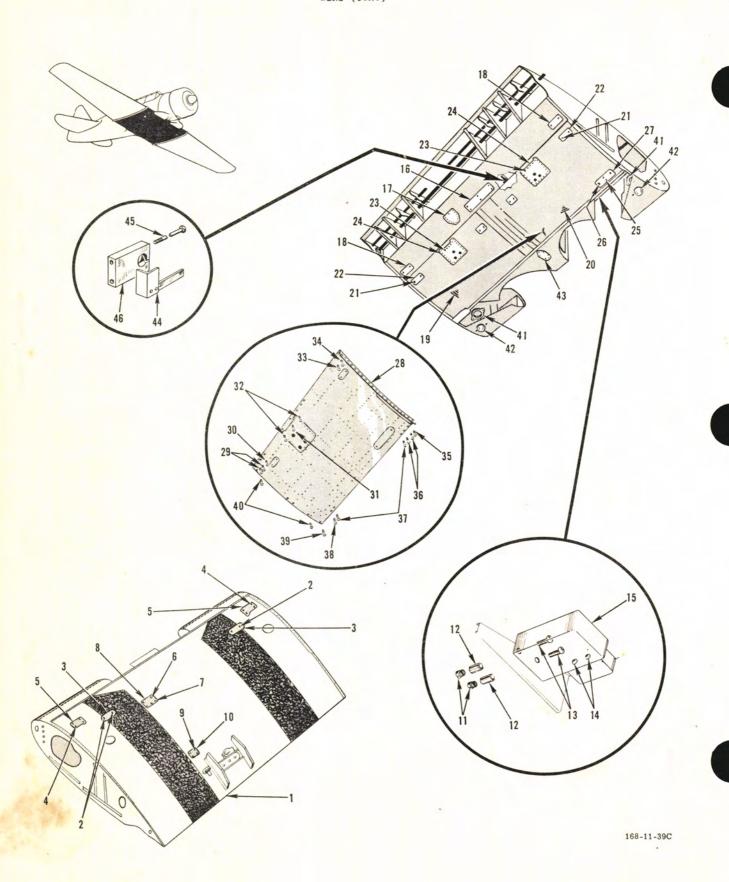


FIGURE 6 - WING CENTER SECTION ASSEMBLY

#### Section\_II

#### AN 01-60FFA-4

Group	<b>Assemb</b>	ly Parts	List
OLOOP	Mase III		

FIGURE &	PART NUMBER		INITS ASSY.	APPLICATION CODE
		WING (Cont) WING CENTER SECTION ASSEMBLY		
6	168-13001	Wing Assy - Center section (mod) (superseded by & is inter-		
Ü	168-13001-100	changeable with 168-13701) (see figure 2 for next assy) R Wing Assy - Center section (Mod) (superseded by & is inter-	Ref	A
	168-13001-200	changeable with 168-31701-100) (see fig. 2 for next assy) . R Wing Assy - Center section (mod) (superseded by & is inter-	Ref	Z
		changeable with 168-31701-200) (see fig. 2 for next assy) . F	Ref	K,U
	168-13701	Wing Assy - Center section (supersedes & is interchangeable with 168-13001) (see figure 2 for next assembly)	Ref	А
	168-13701-100	Wing Assy - Center section (supersedes & 1s interchangeable with 168-13001-100) (see figure 2 for next assembly) F	Ref	Z
	168-13701-200	Wing Assy - Center section (supersedes & is interchangeable with 168-13001-200) (see figure 2 for next assembly) F	Ref	K,U
-1	168-13002	. Wing Assy - Center section (used on 168-13701) (see figure 7 for detail breakdown)	1	А
	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
-2	AN509-8R8	. Screw - 100° flat head structural	4 4	ALL
-3 -4	77-13308 AN531-8R10	. Cover - WCS fuel tank vent line connecting	8	ALL
-5	168-13199-3	. Cover - Wing center section landing gear access LH	1	ALL
-6	168-13199-4 AN515-10R8	. Cover - Wing center section landing gear access RH	1 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 -11	66-13310 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 alighting gear position indicator switch LH (mod) (see figure 56 for detail breakdown)	1	ALL
	168-54025-2	. Box Assy- Electrical alighting gear position indicator switch		
		RH (mod) (see figure 56 for detail breakdown)	1	ALL
-16 -17	52-13071 55-13281	. Cover Assy - WCS alleron pulley bracket access	1	ALL
-18	50-13190	. Cover Assy - Wing center section alleron outboard	1	ALL
	JJ-J-	pulley bracket		
-19	77-13005	. Cover Assembly - Wing center section fuel tank LH	1	ALL
-20 -21	77-13005-1 AN515-8-7	. Cover Assembly - Wing center section fuel tank RH	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 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
0.5	77-13303	Angle - Wing center section fuel tank cover bolting LH	1 4	ALL
-29	NAS222-15 NAS222-12	Screw - Brazier head Phillips recess alloy steel 1/4-28 Screw - Brazier head Phillips recess alloy steel 1/4-28	2	ALL
-30 -31	NAS222-12	. Screw - Brazier head Phillips recess alloy steel 1/4-28	22	ALL
-32	NAS222-12	Screw - Brazier head Phillips recess allow steel 1/4-28	4	ALL
-33 -34	NAS222-12	Screw - Brazier head Phillips recess alloy steel 1/4-28 Screw - Brazier head Phillips recess alloy steel 1/4-28	26	ALL
-34	NAS222-14 NAS222-24	Screw - Brazier head Phillips recess allow steel 1/4-28	2	ALL
-35 -36	NAS222-22	Screw - Brazier head Phillips recess allow steel 1/4-28	6	ALL
-37	NAS222-5	Screw - Brazier head Phillips recess allow steel 1/4-28	72	ALL
-38 -39	NAS222-14 NAS222-17	. Screw - Brazier head Phillips recess alloy steel 1/4-28 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 - Alighting gear downlock indicating light	2	ALL
-42	A2132	. Light Assembly - Alighting gear position indicating (GMC)	2	ALL
-43 -44	168-71009 168-52315	. Cover - VAR-ILS antenna provision	1	AL -C4
-45	AN3-26A	. Bolt - Aircraft 10-32	2	C47-C
-46	168-52317	. Fairlead - Aileron control cable	1	C47-C
	No Number	wing Center Section Alleron Control Cables (see figure 2b		
	No Number	for detail hreakdown)	NP	ALL
	No Number	for detail breakdown)	NP	ALL

17



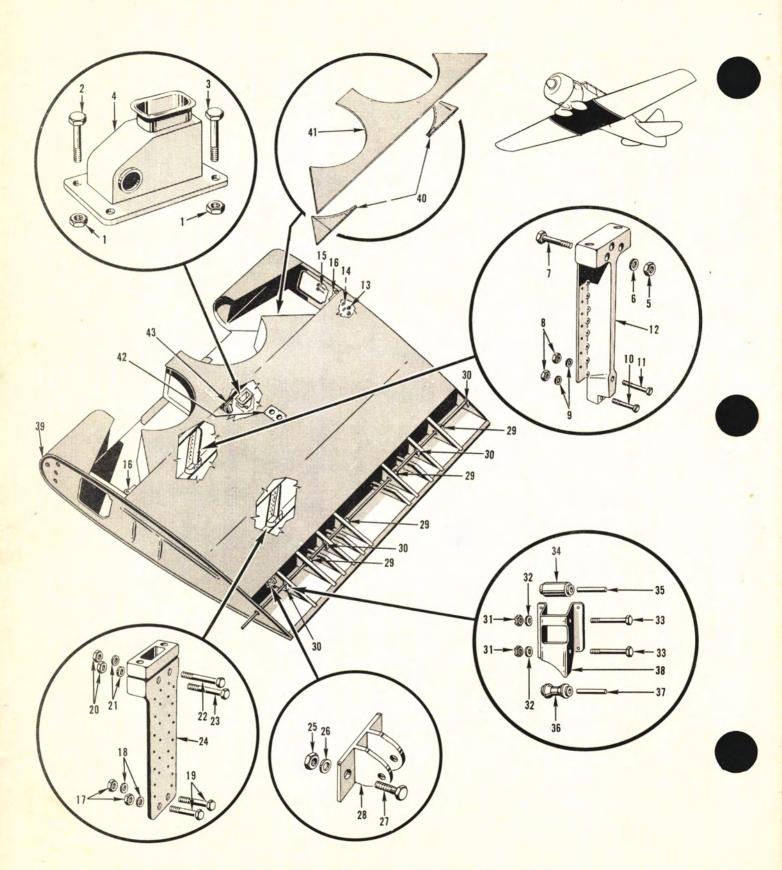
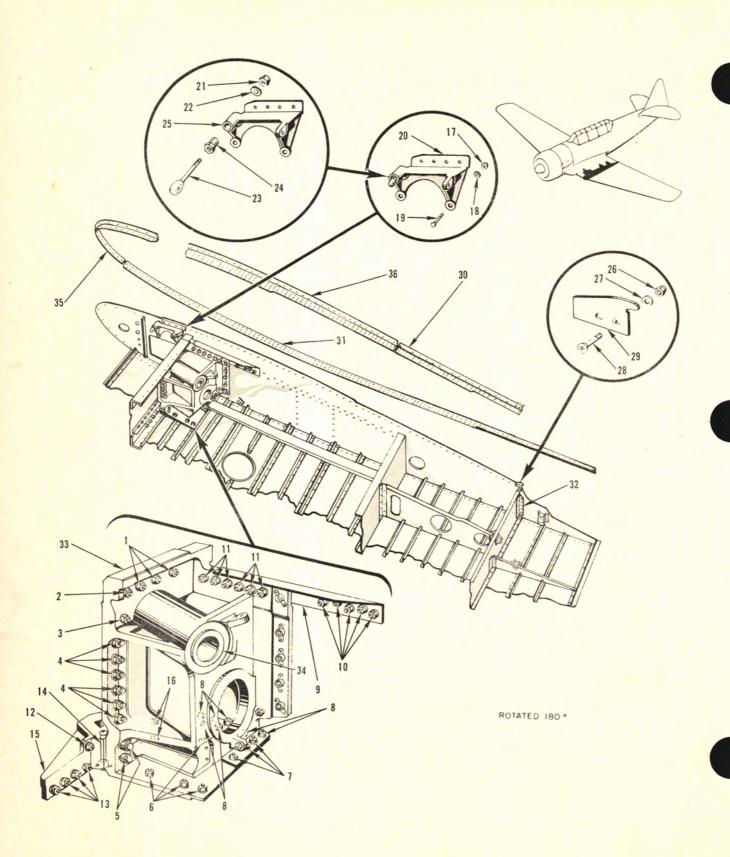


FIGURE 7 - WING CENTER SECTION COVERED ASSEMBLY

		1 2 3 4 5 6 7 NOMENCLATURE PER	ASSY. CODE
		WING (CONT)	
		WING CENTER SECTION COVERED ASSEMBLY	
7	168-13002	Wing Assy - Center section (mod) (used on 168-31701) (see	
	168-13002-100	*Wing Assy - Center section (mod) (used on 168-31701-100)	Ref A
	168-13002-200	*Wing Assy - Center section (mod) (used on 168-31701-200)	lef Z
	168-31401	Wing Assy - Center section (mod) (used on 168-13001-100)	Ref K,U
-1	AN365-1032	(see figure 6 for next assembly)	lef Z
-2	AN3-5A	Bolt - Aircraft 10-32	6 ALL
	AN3-6A	Bolt - Aircraft 10-32	3 ALL 3 ALL
-3 -4	55-33535-3	. Housing - Landing gear lock mechanism bellcrank	1 ALL
100	88-13003	. Spar Assembly - Wing center section front	1 ALL
-5	AN365-428	. Nut - Self locking 250°F	6 ALL
-5 -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	4 ALL
-9	AN960-10	Washer - Plain	4 ALL
-10	NAS221-19	Screw - Brazier head Phillips recess allow steel 10-32	2 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	4 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	
	22 332-2	bellcrank	2 ALL
	66-13004	. Spar Assembly - Wing center section rear	1 ALL
-17	AN365-1032	Nut - Self locking 250°F	4 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	2 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		10 ALL
-26	AN960-416	. Washer - Plain	10 ALL
-27	AN4-6A		10 ALL
-28	55-13210	. Bracket - Wing flap hinge	5 ALL
-29	88-13337	. Bracket Assy - Wing center section flap control tube	N com
-30	88-13337-1	roller LH	4 ALL
-	437010 0	roller RH	4 ALL
-31	AN310-3	Nut - Castellated airframe	1 ALL
-32	AN960-10L	Washer - Plain	1 ALL
-22	AN3-13 55-52635	. Bolt - Aircraft 10-32	1 ALL
-33 -34 -35 -36	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	
	88-13014-1	roller LH	1 ALL
	66-13073-20	roller RH	1 ALL
	66-13073-21	edge LH	1 ALL
		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	NP ALL
-40	66-13078-1	. Plate - Wing center section wheel well fairing outboard LH .	1 ALL
-10	66-13078-2	. Plate - Wing center section wheel well fairing outboard RH .	1 ALL
-41	77-13006-3	. Skin - Wing center section mose lower	1 ALL
-42	168-48070	Fitting - Fuel drop tank pullaway	1 Z
	168-48068	. Fitting - Fuel feed line wing connection	i z

NOTE: \* Spare center section wing assembly



MIAMI 48, FLA.

#### Section\_II\_

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#### **Group Assembly Parts List**

	FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
Ī			WING (Cont) WING CENTER SECTION BOLT ANGLE AND LANDING GEAR ATTACHING F:	ITTING	
	8	77-13016	Fitting Installation - Wing center sectionbbolt angle and land gear attaching (see figure 7 for next assembly)		ALL
	-1	AN365-624	. Nut - Self locking 250°F	6	ALL
		AN960-616	. Washer - Plain		ALL
	-2	AN6-12A AN365-624	Bolt - Aircraft 3/8-24	6	ALL
	-2	AN960-616	. Washer - Plain	2	ALL
		AN6-13A	Bolt - Aircraft 3/8-24	2	ALL
	-3	AN365-524	. Nut - Self locking 250°F	2	ALL
		AN960-516	. Washer - Plain	2	ALL
	-4	AN5-12A AN365-524	. Nut - Self locking 250°F		ALL
		AN960-516	. Washer - Plain	12	ALL
		AN5-7A	. Bolt - Aircraft 5/16-24	12	ALL
	-5	66-33536 36-33568	Bolt - Landing gear and hoist fitting attaching	4	ALL
	-6	AN365-428	. Nut - Self locking 250°F	8	ALL
		AN960-416	. Washer - Plain	8	ALL
		AN509-8-15	. Screw - 100° Flat head structural		ALL
	-7	AN365-428 AN960-416	. Nut - Self locking 250°F		ALL
		AN509-8-17	Screw - 100° Flat head structural	6	ALL
	-8	AN365-428	. Nut - Self locking 250°F	18	ALL
		AN960-416	. Washer - Plain		ALL
	-9	NAS222-18 77-13141	. Screw - Brazier head Phillips recess alloy steel 1/4-28 Angle - Wing center section end plate stiffener inboard LH		ALL
	-9	77-13141-1	. Angle - Wing center section end plate stiffener inboard RH		ALL
	-10	AN365-524	. Nut - Self locking 250°F	10	ALL
		AN960-516	. Washer - Plain	10	ALL
	-11	AN5-6A AN365-524	Bolt - Aircraft 5/16-24		ALL
	-11	AN960-516	. Washer - Plain		ALL
		AN5-12A	Bolt - Aircraft 5/16-24	12	ALL
	-12	AN365-428	. Nut - Self locking 250°F	2	ALL
		AN960-416 AN4-6A	. Washer - Plain		ALL
	-13	AN365-624	. Nut - Self locking 250°F	8	ALL
		AN960-616	. Washer - Plain		ALL
	-14	AN6-11A AN320-4	. Bolt - Aircraft 3/8-24		ALL
	-14	AN24-36	Bolt - Clevis 1/4-28	2	ALL
	-15	44-33534-2	. Fitting - Landing gear lock and hoist LH	1	ALL
	16	44-33534-3	Fitting - Landing gear lock and hoist RH		ALL
	-16	AN365-624 AN960-616	. Washer - Plain	4	ALL
		AN6-15A	. Bolt - Aircraft 3/8-24	4	ALL
	-17	AN365-428	. Nut - Self locking 250°F	4	ALL
	-18 -19	AN960-416 AN4-7A	. Washer - Plain	· · 4	ALL
	-20	77-33315	. Hinge Assembly - Landing gear fairing front LH	1	ALL
		77-33315-1	. Hinge Assembly - Landing gear fairing front RH	1	ALL
	-21	AN365-428	Nut - Self locking 250°F		ALL
	-22 -23	2W1C17-24-63 77-33314			ALL
	-24	77-33316	Nut - Landing gear fairing front hinge adjusting		ALL
	-25	77-13312	Bracket Assembly - Wing center section landing gear	1	ATT
		77-13312-1	fairing support LH	1	ALL
		-55	fairing support RH		ALL
	-26	AN365-1032	. Nut - Self locking 250°F		ALL
	-27 -28	AN960-10L AN509-8-12	. Washer - Plain		ALL
	-29	66-10011	. Hook - Wing cover joint LH	1	ALL
		66-10011-1	. Hook - Wing cover joint RH	1	ALL
	-30	77-13014	. Angle - Wing center section lower rear LH bolting		ALL
	-31	77-13014-1 66-13013	. Angle - Wing center section lower rear an bolting		ALL
	31	66-13013-3	. Angle - Wing center section upper RH bolting	1	ALL
	-32	55-13211	. Angle - Wing center section flap spar and plate attaching Li	H . 1	ALL
	-33	55-13211-1 77-33106	. Angle - Wing center section flap spar and plate attaching RI . Support Assembly - Landing gear pivot LH		ALL
	-33	77-33106-1	Support Assembly - Landing gear pivot ER		ALL
	-34	36-33112	Pin - Landing gear pivot		ALL
	-35	66-13104	Angle - Wing center section front bolting LH (see figure 7 for next assembly)	Ref	ALL
		66-13104-1	Angle - Wing center section front bolting RH (see figure 7	. Hel	ADD
	0.0		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		RUL
			(see figure 6 for next assembly)	. Ref	ALL

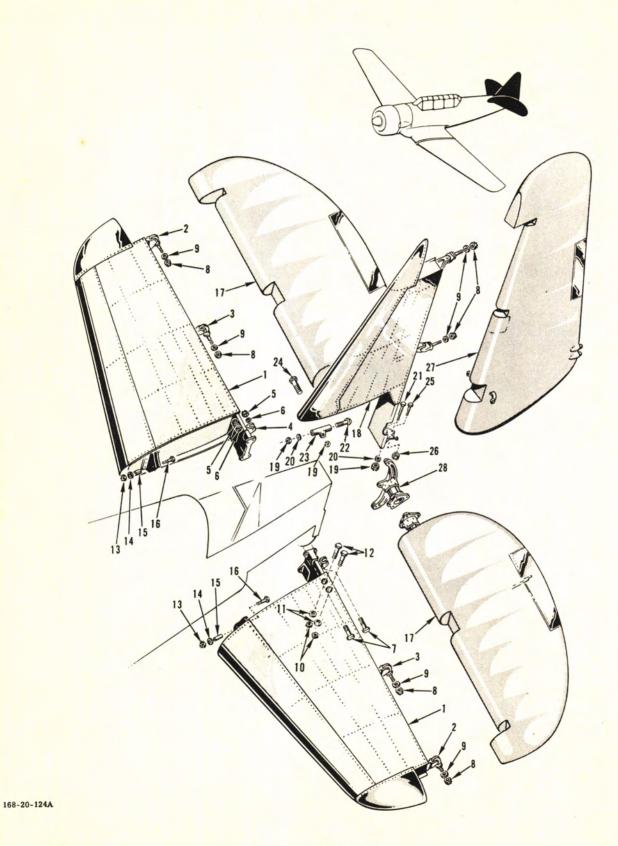


FIGURE 9 - EMPENNAGE

## Section\_II\_ Group Assembly Parts List

#### AN 01-60FFA-4

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE PER ASSY.	CODE CODE
		TAIL	
		EMPENNAGE	
	77 00001	Empennage Installation (see figure 1 for next assembly) NP	ALL
9	77-20001 84-21001	Empennage Installation (see figure 1 for next assembly) NP  Stabilizer Assembly - Horizontal	ADD
-1	04-21001	(see figure 10 for detail breakdown)	ALL
0	88-21019	Fitting - Outer hinge support (see figure 10) Ref	ALL
-2		. Fitting - Outer hinge support (see figure 10) Ref Fitting - Center hinge support (see figure 10) Ref	ALL
-3	88-21018	Fitting - Toner hinge support (see figure 10) Ref	ALL
-4	88-21044	I Tooling - Inner Hinge Dappere (bee 120are 20)	
-5	AN310-5	. Nut - Castellated airframe	A, K1-K
	AN365-524	. Nut - Self locking 250° F	K,51-T2
-6	AN960-516	. Washer - Plain	ALL
-7	AN5-14	. Bolt - Aircraft 5/16-24	A,K1-K5
	AN5-14A	. Bolt - Aircraft 5/16-24	K,51-T2
-8	AN365-528	. Nut - Castellated airframe	A, K1-K5
	AN365-524	. Nut - Self locking 250° F 6	K,51-T2
-9	2W1-21-22-63	Washer - Plain (NA)	ALL
-10	AN310-5	Nut - Castellated airframe	A,K1-K5
-10	AN365-524	. Nut - Self locking 250° F	K,51-T2
-11	AN960-516	. Washer - Plain	ALL
-12	AN5-41	Bolt - Aircraft 5/16-24	ALL
-13	AN310-5	. Nut - Castellated airframe	ALL
-14			ALL
	AN960-516		ALL
-15	23-21026	Bushing - Horizontal stabilizer front fuselage attaching 2	ALL
-16	AN5-12	Bolt - Aircraft 5/16-24	ALL
-17	66-22001-10	. Elevator Assembly - Covered (See 118. 11 101 decart breakdown)	ALL
-18	168-23001	. Stabilizer Assembly - Vertical (modification)	
		(see figure 12 for detail breakdown)	ALL
-19	AN310-5	. Nut - Castellated airframe	ALL
-20	AN960-516	. Washer - Plain	ALL
-21	AN5-40	. Bolt - Aircraft 5/16-24	ALL
-22	AN5-33	Bolt - Aircraft 5/16-24	ALL
-23	55-23023	Bolt - Aircraft 5/16-24	ALL
-24	AN5-12	Bolt - Aircraft 5/16-24	ALL
-25	AN4-14	Bolt - Aircraft 5/16-24	ALL
-26	AN310-4	Nut - Castellated airframe	ALL
	168-24001	Rudder Assembly - Covered (see fig. 13 for detail breakdown).	ALL
-21			
-27 -28	168-24001 88-52205	Horn Assembly - Elevator complete	ř

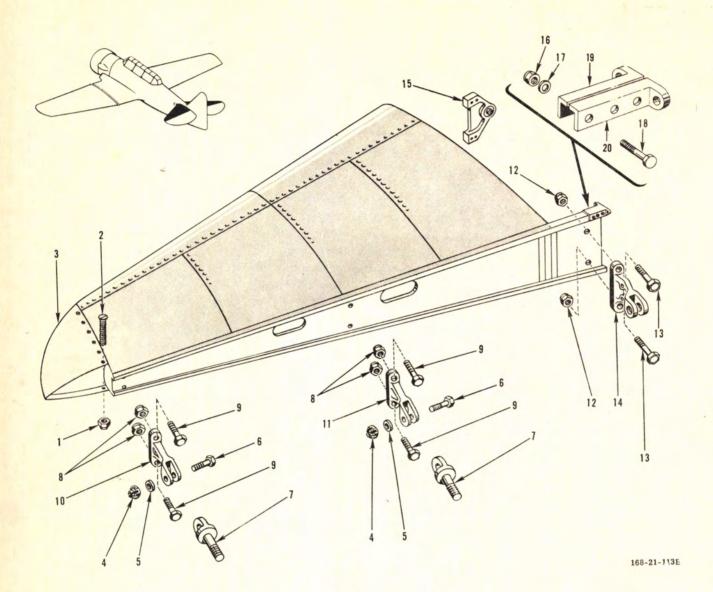


FIGURE 10 - HORIZONTAL STABILIZER ASSEMBLY

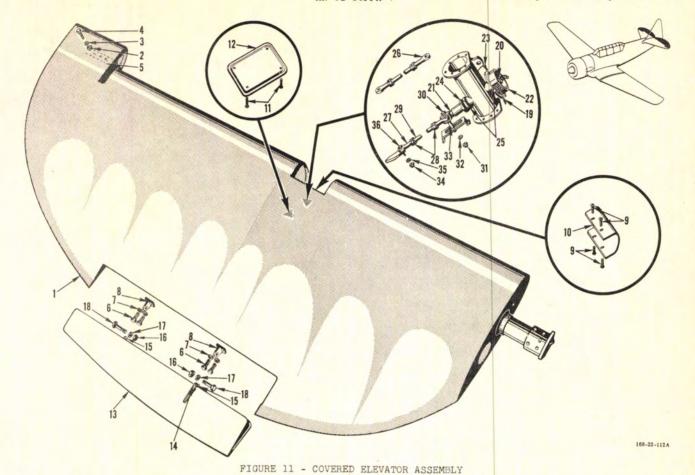
FIGURE & PART INDEX NUMBER NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION
	TAIL (Cont) HORIZONTAL STABILIZER ASSEMBLY		
84-21001 -1 AN365-832 -2 AN515-832-7 -3 55-21024 -4 AN310-4 -5 AN960-416 -6 AN4-12 -7 5B14-3 -8 AN365-428 -9 AN4-10A -10 88-21019 -11 88-21018 -12 AN365-428 -13 AN4-16A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

#### TRANS AMERICAN AVIATION CORP.

P. O. BOX 755 MIAMI 48, FLA.

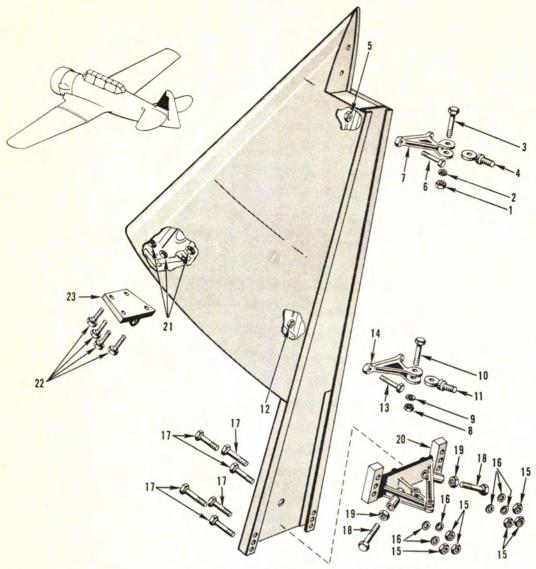
#### Section\_II **Group Assembly Parts List**

AN 01-60FFA-4



GURE &	PART									LINUTE	ADDUCATION
X NUMBER	NUMBER	1	2	2			4	7	NOUTLIGHTURE		APPLICATION
A HOMBER	HOMBER		~	3	4	3	0	/	NOMENCLATURE	PER ASSY.	CODE

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION
		TAIL (Cont) COVERED ELEVATOR ASSEMBLY		
		COVERED ELEVATOR ASSEMBLY		
11	66-22001-10	Elevator Assembly - Covered (see figure 9 for next assembly)	D - 6	
-1	66-22002-10	. Frame Assembly - Elevator	. Rei	ALL
-2	AN365-632	. Nut - Self locking 250°F	1	ALL
-3	AN960-6	. Washer - Plain	0	ALL
-4	AN507-632-10		0	ALL
-5	55-22034	Weight - Elevator balance	8	ALL
-6	AN3-4A		. 1	ALL
-7	AN960-10	. Bolt - Aircraft 10-32	. 4	ALL
-8	55-24018	Washer - Plain	. 4	ALL
-9	AN526-8R8	Support Assembly - Trim tab hinge	2	ALL
-10		. Screw - Truss head coarse thread	4	ALL
	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
	66-52527-2	Cable - Elevator trim rear	. 1	ALL
-20	19-52510	Drum Assembly - Control surface trim tab	. 1	ALL
-21	19-52505	Screw - Control surface trim tab operating	1	ALL
-22	19-52512	. Guard - Trim tab control drum	. 1	ALL
-23	AN515-832-7	. Screw - Round head machine coarse thread	. 2	ALL
-24	AN316-12R	. Nut - Check	. 2	ALL
-25	19-52508	. Washer - Control surface trim tab drum housing	. 2	ALL
-26	55-52535-3	. Rod Assembly - Trim tab push	. 1	ALL
-27	REB3-1	Rod End (FAF)	. 2	ALL
-28	AN316-4R	Nut - Check	2	ALL
-29	55-52535-5	Rod - Trim tab push	1	ALL
-30	AN3-16	. Bolt - Aircraft 10-32	1	ALL
-31	AN310-3	. Nut - Castellated airframe	1	ALL
-32	AN960-10	. Washer - Plain	1	ALL
-33	453-10-23	. Spacer - Bolt (NA)	. 1	ALL
-34	AN310-3	. Nut - Castellated airframe	. 1	ALL
-35	AN960-10T.	. Washer - Plain	. 1	ALL
-36	AN3-7	Bolt - Aircraft 10-32	. 2	ALL ALL



168-23-76

FIGURE - 12 VERTICAL STABILIZER ASSEMBLY

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	PER ASSY.	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		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 -6	AN365-428	. Nut - Self locking	2	ALL
-6	AN4-7A	. Bolt - Aircraft 1/4-28	2	ALL
-7 -8	88-23012	. Fitting - Rudder upper hinge support	1	ALL
-8	AN310-4	. Nut - Castellated airframe		ALL
-9	AN960-416	. Washer - Plain	1	ALL
-10	AN4-12	. Bolt - Aircraft 1/4-28		ALL
-11	121-21027	. Bolt - Eye		ALL
-12	AN365-428	. Nut - Self locking		ALL
-13	AN4-7A	. Bolt - Aircraft 1/4-28		ALL
-14	88-23013	. Fitting - Rudder center hinge support		ALL
-15	AN365-1032	. Nut - Self locking		ALL
-16	AN960-10	. Washer - Plain		ALL
-17	AN3-13A	. Bolt - Aircraft 10-32		ALL
-18	5B3-7	. Bolt - Adjustment		ALL
-19	AN316-5R	. Nut - Check		ALL
-20	121-23014	. Fitting - Rudder lower hinge support		ALL
-21	AN365-1032	. Nut - Self locking		ALL
-22	AN3-4A	Bolt - Aircraft 10-32		ALL
-23	55-23022	. Channel Assembly - Vertical stabilizer fus front attaching		ALL

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#### Section\_\_II **Group Assembly Parts List**

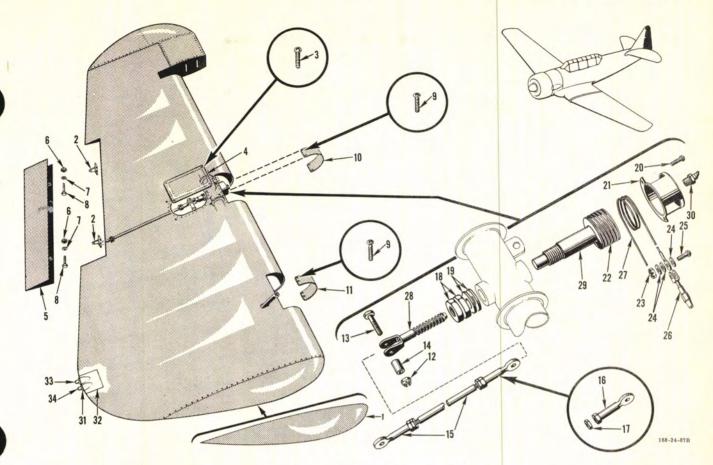


FIGURE	13	_	COVERED	RUDDER	ASSEMBLY
T. TOOLIT			OCATITED	TIODDDITT	POODELIDET

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

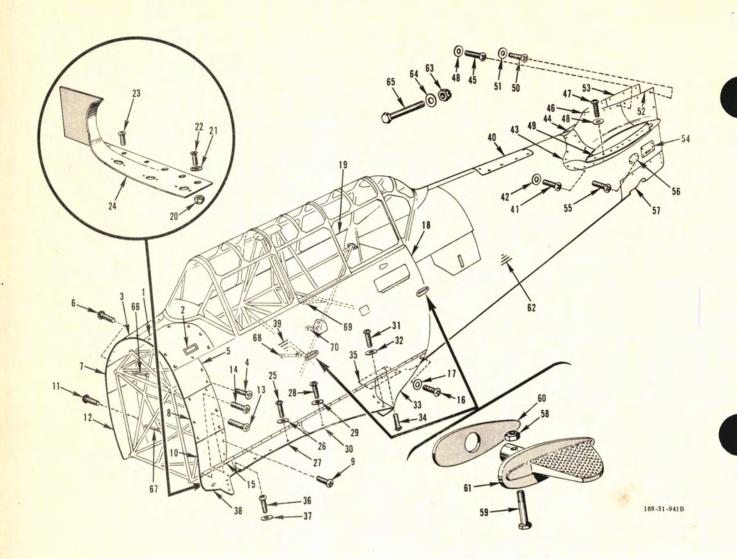


FIGURE 14 - COMPLETE FUSELAGE ASSEMBLY

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION
		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
-3 -4 -5 -6	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
-7 -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
-10	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
3.77		. Washer - Plain (NA)		ALL
-17	2W1-11-20-32	Panel Assembly - Fus left side fairing (mod) (see fig. 18		
-18	168-31050	for detail breakdown)	1	A,K,U
-19	168-31051-100	. Panel Assembly - Fus right side fairing (mod) (supersedes	1	Z,K,U
		168-31051) (see fig. 18 for detail breakdown)	1	2,11,0

#### **Group Assembly Parts List**

Section\_II

FIGURE &	PART		DE .	UNITS R ASSY.	APPLICATION CODE
INDEX NUMBER	NUMBER	1	2 3 4 5 6 7 HOMENCESIONE	K A331.	
			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)	8	ALL
-27	66-10006		Fillet Assy - Wing to fuselage intermediate front LH	1	ALL
-00	66-10006-1		Fillet Assy - Wing to fuselage intermediate front RH	1	ALL
-28	AN515-8R8	•	Screw - Round head machine coarse thread	6	ALL
	AN515-8R8	•	Screw - Round head machine coarse thread	2	ALL
-29	AN515-8R10 2W1AL11-20-32		Screw - Round head machine coarse thread	16	ALL
-30	66-10004		Fillet - Wing to fuselage intermediate rear LH	1	ALL
-30	66-10004-1		Fillet - Wing to fuselage intermediate rear RH	i	ALL
-31	AN515-8R8	•	Screw - Round head machine coarse thread	4	ALL
-31	AN515-8R10	•	Screw - Round head machine coarse thread	2	ALL
-32	2W1AL11-20-32		Washer - Plain (NA)	6	ALL
-33	66-10005-8		Fillet Assy - Wing to fuselage rear (less battery		
33			accumulator access cover LH)	1	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	2	ALL
	AN515-8R10		Screw - Round head machine coarse thread	2	ALL
-35	77-10007		Fairing Assy - Wing to fuselage station 6 lower LH	1	ALL
06	77-10007-10		Fairing Assy - Wing to fuselage station 6 lower RH	1	ALL
-36	AN515-8R8		Screw - Round head machine coarse thread	4	ALL
-37	2W1AL12-20-32	•	Washer - Plain (NA)	4	ALL
-38	66-10003	,	Fillet - Wing to fuselage front LH	1	ALL
20	66-10003-1		Fillet - Wing to fuselage front RH	1	ALL
-39 -40	168-31105		Fuselage Assy - Fwd (mod) (see figure 15 for breakdown)	1	ALL
-41	55-31238	•	Cover Assy - Fuselage rear section body access	31	ALL
-42	AN515-8R8 2W1AL11-24-32		Washer - Plain (NA)	31	ALL
-43	55-20002	•	Fillet Assembly - Horizontal stabilizer left front	1	ALL
-44	55-20009		Fillet Assembly - Horizontal stabilizer right front	i	ALL
-45	AN515-8R10	•	Screw - Round head machine coarse thread 4	3	ALL
-12	AN515-8R8	i	Screw - Round head machine coarse thread	9	ALL
	AN515-8R8		Screw - Round head machine coarse thread	12	ALL
-46	55-20003-6		Fillet Assembly - Vertical stabilizer to fuselage	1	ALL
-47	AN515-8-10		Screw - Round head machine coarse thread	22	ALL
-48	2W1AL11-24-32		Washer - Plain (NA)	22	ALL
-49	55-20004		Fillet - Horizontal stabilizer intermediate lower LH	1	ALL
	55-20004-1		Fillet - Horizontal stabilizer intermediate lower RH	1	ALL
-50	AN515-8R8		Screw - Round head machine coarse thread	10	ALL
	AN515-8R10	•	Screw - Round head machine coarse thread	6	ALL
-51	2W1AL11-24-32	٠	Washer - Plain (NA)	16	ALL
-52	55-20005		Fillet - Horizontal stabilizer left rear	1	ALL
-53 -54	55-20008-4 55-31045		Fillet Assembly - Horizontal stabilizer right rear Cover Assembly - Fuselage rear section 7 to 8 access LH	1	ALL
-54	55-31045-1		Cover Assembly - Fuselage rear section 7 to 8 access RH		ALL
-55	AN515-8R8	•	Screw - Round head machine coarse thread	6	ALL
<b>-</b> 55 <b>-</b> 56	55-31097		Cover - Fuselage rear section 6 to 7 access hole	1	ALL
-57	55-31061		Cowling Assembly - Fuselage tail wheel cutout LH	ī	ALL
	55-31061-7		Cowling Assembly - Fuselage tail wheel cutout RH	1	ALL
-58	AN365-1032		Nut - Self locking 250°F	2	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	7	۸
	168 21106 100		interchangeable with 168-31706) (see fig. 17 for breakdown)	1	A
	168-31106-100		Frame Assy - Fus rear sect. covered (mod)(superseded by & 1s interchangeable with 168-31706-100) (see fig. 17)	1	Z
	168-31106-200		Frame Assy - Fus rear sect. covered (mod)(superseded by & is	1	4
	100-31100-200		interchangeable with 168-31706) (see fig.17 for breakdown)	1	K,U
	168-31706		Frame Assy - Fus rear sect. covered (see fig.17)(supersedes	-	11,0
	100-31100		and is interchangeable with 168-31106)	1	A,K,U
	168-31706-100		Frame Assy - Fus rear sect. covered (see fig.17)(supersedes	-	A, II, O
	210 72100-200		& is interchangeable with 168-31106-100)	1	Z
-63	AN310-5		Nut - Castellated airframe	8	ALL
-64	AN960-516		Washer - Plain	8	ALL
	AN960-616		Washer - Plain	8	ALL
-65	AN5-26		Bolt - Aircraft 5/16-24	4	ALL
7.57	AN5-11		Bolt - Aircraft 5/16-24	2	ALL
	AN5-13		Bolt - Aircraft 5/16-24	2	ALL
-66	168-31055		Brace Assy - Fus sta 10 5/8 RH side reinforcing upper	1	A1-A85
-67	168-31056		Brace Assy - Fus sta 10 5/8 RH side reinforcing lower	1	A1-A85
-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

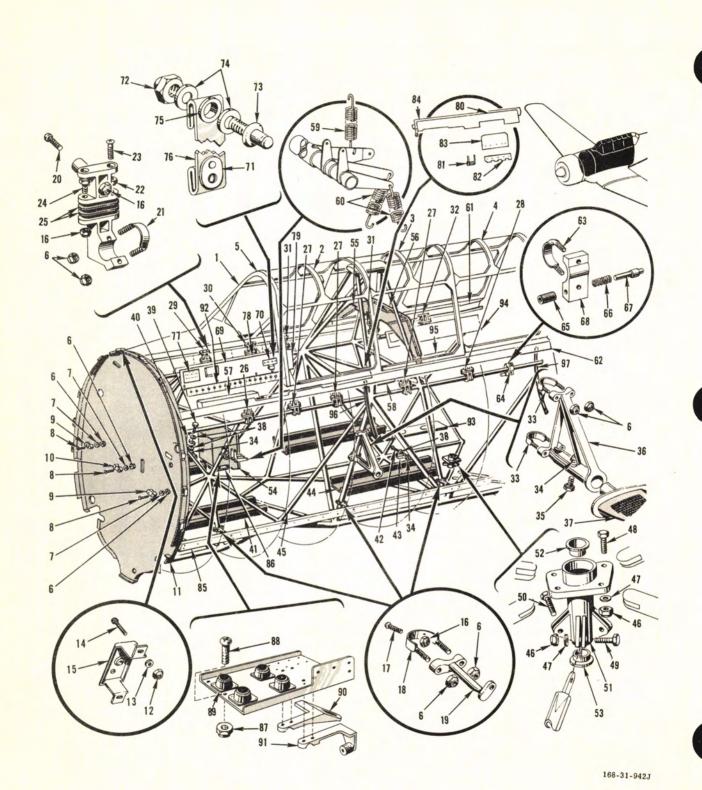


FIGURE 15 - FORWARD FUSELAGE ASSEMBLY

### Section\_II **Group Assembly Parts List**

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATIO
		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		
-3	168-31828	(see figure 16 for detail breakdown)	1	ALL
-4	168-31829	(see figure 16 for detail breakdown)	1	ALL
		(see figure 16 for detail breakdown)	1	ALL
-5	88-31801	. Enclosure Installation - Cockpit (see figure 16 for detail breakdown)	NP	ALL
-6	AN365-428	. Nut - Self locking 250° F	38	ALL
-7 -8	AN960-416	. Washer - Plain	4	ALL
	AN4-17A	. Bolt - Aircraft 1/4-28	4	ALL
-9	19-53506	Bracket - Shelf support	2	ALL
-10	501	Clamp (NA)	2	ALL
-11	168-31104	. Firewall Assembly - Fuselage (modification)	1	ALL
-12 -13	AN365-1032 AN960B10	. Nut - Self locking 250° F	20	ALL
-14	AN520N10-8	Screw - Round head machine fine thread	20	ALL
-15	1B4	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
100	55-31195-3	. Bracket - Fuselage station 2 and 5 fairing support RH	2	ALL
	55-31196-2	. Bracket - Fuselage station 4 fairing support IH	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	50	ALL
-24	AN3-10A	Bolt - Aircraft 10-32	20	ALL
-25 -26	88-31187 88-31494-5	. Shim - Fus cockpit enclosure track support channel bracket .	10	ALL
-20	88-31493-3	. Bracket - Fus cockpit enclosure track support channel upper . Bracket - Fus cockpit enclosure track support channel lower .	i	ALL
-27	88-31494-3	. Bracket - Fus cockpit enclosure track support channel upper .	3	ALL
-1	88-31493-3	. Bracket - Fus cockpit enclosure track support channel lower .	3	ALL
-28	88-31494	. Bracket - Fus cockpit enclosure track support channel upper .	ī	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
20	88-31493-2	. Bracket - Fus cockpit enclosure track support channel lower .	2	ALL
-32	88-31494-2	. Bracket - Fus cockpit enclosure track support channel upper .	1	ALL
22	88-31493-2	. Bracket - Fus cockpit enclosure track support channel lower .	1	ALL
-33 -34	5B6-24 AN365-1032	Bolt - U (NA)	13	ALL
	AN3-20A	Bolt - Aircraft 10-32	13	ALL
-35 -36	36-31221	Bracket - Fuselage front cockpit step	1	ALL
-37	168-31220	Step - Cockpit	Ref	ALL
-37 -38	2W1-13-20-40	Washer - Plain (NA)	12	ALL
-39 -40	AN3-14A	. Bolt - Aircraft 10-32	4	ALL
	Q901-16	Bolt - Aircraft 10-32	1	ALL
-41	36-31233	. Floor Assembly - Front cockpit IH	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
45	121-31234-1 88-31105	. Floor Assembly - Rear cockpit RH	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	ī	ALL
-52	55-53074	Bearing - Observer's axle housing upper	1	ALL
-53 -54	F1202-3	Bearing (CC)	1	ALL
-54	168-33523	. Box Assembly - Alighting gear position indicator complete (see figure 51 for detail breakdown)	1	A,K,
	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	ī	ALL
-57	168-54005	. Console Assembly - Elec and radio front cockpit (see fig. 43)	ī	Al-Al
- '	168-54005-10	. Console Assembly - Elec and radio foont cockpit (see fig. 43)	ī	A16-A

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	PER ASSY.	USEABLE ON CODE
		FUSELAGE (Cont) FORWARD FUSELAGE ASSEMBLY (Cont)		
	Land State of the land of the			
15	168-54005-30 182-54063	. Console Assy - Elec and radio front cockpit (see fig. 43) Console Assy - Elec and radio front cockpit		D31-J57
	168-54063	(see figure 15B for detail breakdown)	. 1	K, U
-0	- 50 -15	(see figure 15B for detail breakdown)	1	Z
-58	168-54006 168-54005-10	. Console Assy - Elec and radio front cockpit (see fig. 43) Console Assy - Elec and radio cockpit (see fig. 43)		A1-A85 A86-J57
	168-54064	. Console Assy - Elec and radio rear cockpit (see fig. 15B		
	168-54065-10	for detail breakdown)		Z
		for detail breakdown)	1	K, U
-59 -60	36-33531	. Spring - Landing gear and flap position indicator arm		ALL
-61	19-33449	Spring - Brake cable	. 2	ALL ALL
-62	77-31209-10 77-31209-11	. Channel Assy - Fuselage cockpit enclosure track support In .	1	ALL
-63	5B6-18	Bolt - U (NA)		ALL
-64	59-73029	. Bracket Assy - Instrument flying hood pivot arm support	· -	ALL
-65	49-65024	Handle - Lock pin	. 1	ALL
-66	21-43083	Spring - Compression	. 1	ALL
-67	4.9-53025	Pin - Fuselage ballast weights stop	. 1	ALL
-68	59-73036	Bracket - Instrument flying hood pivot arm support	. 1	ALL
-69	168-31123	. Strip Assembly - Fusela a front cockpit right trim		A Z
	168-31123-10	. Strip Assembly - Fusel front cockpit right trim		K1-L31
	182-31123 182-31223	Strip Assembly - Fuse e front cockpit right trim Strip Assembly - Fuse ge front cockpit right trim	1	L31-T24
-70	168-71044			A,Z
-10	182-71025	Strap Assembly Padio headset microphone cord stowage .		K, U
-71	AN227-1L	Fastener p and curtain		K, U
-72	AN363-632	Nut - Self ocking 550° F	1	K, U
-73	AN227-4-9	Stud - Snap and curtain	. 1	K, U
-74	AN960D8	Washer - Plain		K,U
-75	AN230B10	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' check		A16- Z,K,U
-78 -79	168-31121-1 3H2L	Channel Asse Cockpit	. 2	Z,K,U
-19	AN737-22	. Clamp - Hose	4	Z,K,U
	168-43031	. Clamp - Hose . Engine Control Installation (relification) (see figure 70)	. NP	ALL
-80	168-31122	. Strip Asser by - Fuselage from sockpit left trim (mod)	. 1	A,K,U
	168-31122-10	. Strip Assembly - Furelage from cockpit left trim (mod)	. 1	Z
-81	55 -31053	Spring - Fuselag parachute flare door hinge	. 1	ALL
-82	55-53147	Hinge Assembly - Mot's armrest		ALL
-83	55-53146	A lest - Pilot's		ALL
-84	168-31121-2	. Channel Assembly - Co pit drain		Z
-85	64-31207-8	. Ch Assembly - Fuselage fairing lower attaching LH	1	ALL
-86	64-31207-9 182-71027	. Shelf Assembly - C2 flasher and interphone amplifier	. i	K, U
-00	ATTACHIN			
-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
	168-5400	Panel Assembly - Electrical circuit breakers		
	- 60 ===	(see figure 15A for detail breakdown)		Z
-93	168-71	. Shelf Assembly - Radio transmitter		Z
o.l.	182-71	Shelf - Receiver AN/ARC3	. 1	K, U
-94	168-52-15	Strip Assembly - Fuselage rear cockpit right trim	. 1	ALL Z
-05	168-31121-4 168-31124	. Channel Assembly - Cockpit drain		ALL
-95	168-31121-3	. Channel Assembly - Cockpit drain	. i	Z,K,U
-96	168-31117-7	. Tube - Cockpit drain LH forward		Z,K,U
90	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

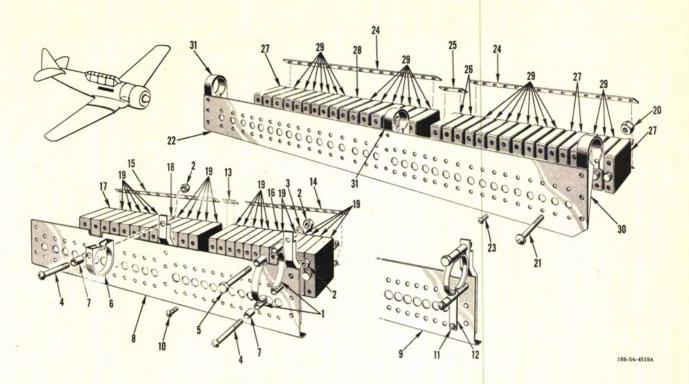


FIGURE 15A -	ELECTRICAL	CIRCUIT	BREAKER	PANEL	AND	ATTACHING	PARTS

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS US	EABLE ON CODE
15A	No Number	Electrical Circuit Breakers Panels and Attaching Parts	TER ADDI.	CODE
178	No Nambel	(see figure 15A for next assembly)		
	182-54026	Penal Aggraphy Electrical sizewith backers	· NP	ALL
	182-54026-10	. Panel Assembly - Electrical circuit breakers	. 1	K1-L31
		. Panel Assembly - Electrical circuit breakers	. 1	L32-T24,
	ATTACHIN			
-1	182-54029	. Clamp - Circuit breaker panel mounting	. 3	K1-L31
	182-54029	. Clamp - Circuit breaker panel mounting	2	L32-T24.
-2	AN365-1032	. Nut - Self locking 250° F	. 6	K1-L31
	AN365-1032	. Nut - Self locking 250° F	. 5	L32-T24,
-3	AN960D10	. Washer - Plain	. 3	K1-L31
9	AN960D10	. Washer - Plain	. 5	
- 4	AN520-10-36	Screw - Machine round head fine thread	. 2	L37-T24,
5.1	AN520-10-36	Screw - Machine round head fine thread	. 3	K1-L31
-		. Screw - Machine round head fine thread	. 3	L32-T24,
-5	AN3-15	Bolt - Aircraft 10-32	. 3	K1-L31
-	AN3-15	. Bolt - Aircraft 10-32	. 2	L32-T24,
-6	Q901D18	. Clamp (Convair Aircraft)	. 1	L32-T24,
-7	NAS43-3-23	. Spacer - Screw and bolt	. 3	K1-L31
	NAS43-3-23	. Spacer - Screw and bolt		L32-T24,
				25- 1- 1
-8	182-54027	Panel - Electrical circuit breakers	. 1	K1-L31
-9	182-54027-3	Panel - Electrical circuit breakers	. 1	L32-T24.1
-10	AN515-6R5	Screw - Machine round head coarse thread	48	K.U
-11	AN515-6R5	Screw - Machine round head coarse thread	. 2	L32-T24.
	AN340-6	. Nut - Light hexagon coarse thread		L32-T24,
-12	182-54026-3	. Cover Plate - Electric circuit breaker		L32-T24,
-13	2B1N9-2	Bar - Bus (NA)		
-14	2B1B10-12	Bar - Bus (NA)	. 1	K,U
-15	2B1B10-11	Bar - Bus (NA)	. 1	K,U
-16	AN3161P20	Bar - Bus (NA)	. 1	K,U
		Circuit Breaker - Push button non-trip free	. 1	K,U
-17	AN3161P15	Circuit Breaker - Push button non-trip free	. 1	K,U
-18	AN3161P10	Circuit Breaker - Push button non-trip free	. 1	K,U
-19	AN3161P5	Circuit Breaker - Push button non-trip free	. 21	K,U
	168-54082	. Panel Assembly - Electrical circuit breakers	. 1 1	Z
	ATTACHING	PARTS		
-20	AN365-1032	. Nut - Self locking 250° F	. 3	Z
-21	AN520-10R36	. Screw - Machine round head fine thread	3	Z
-55	168-54081	Panel - Electrical circuit breakers	. 1	Z
-23	AN515-6R7	Screw - Machine round head coarse thread	. 64	Z
-24	2B1B10-15	Bar - Bus (NA)	2	Z
-25	2B1B9-2	Bar - Bus (NA)	1	Z
-26	AN3161P20	Circuit Breaker - Push button non-trip free	. 2	Z
-27	AN3161P15			Z
-28	AN3161P10	Circuit Breaker - Push button non-trip free		
-29		Circuit Breaker - Push button non-trip free		Z
	AN3161P5	Circuit Breaker - Push button non-trip free	. 25 2	Z
-30	Q911A18-17	Clip - Plain extention (Consolidated Aircraft)		Z
-31	Q911A18-20	Clip - Plain extention (Consolidated Aircraft)	. 2 2	Z

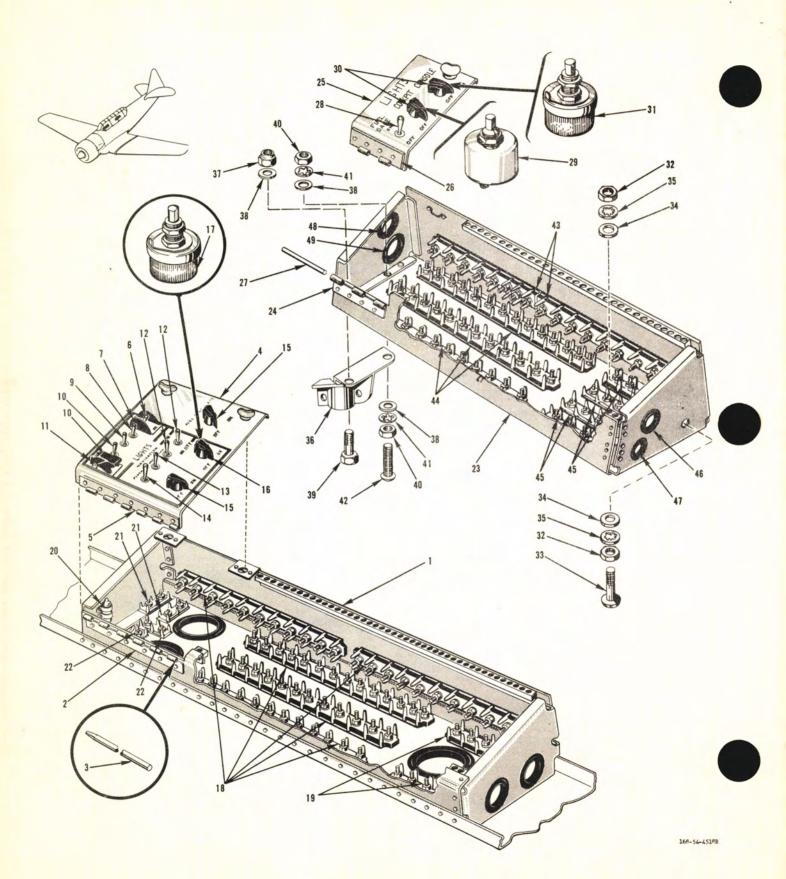


FIGURE 15B - FRONT AND REAR ELECTRICAL CONSOLES

# TRANS AMERICAN AVIATION CORP. P. O. BOX 755 MIAMI 48, FLA.

AN 01-60FFA-4

### Section\_II\_ Group Assembly Parts List

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	USEABLE ON CODE
		FUSELAGE (Cont) FRONT AND REAR ELECTRICAL CONSOLES		
16B		Front and Rear Cockpit Electric Consoles		
15B	168-54063	. Console Assembly - Electric and radio front dockpit		
		(see figure 15 for next assembly)	. Ref	Z
	182-54063	. Console Assembly - Electric and radio front cockpit (see figure 15 for next assembly)	Ref	K,U
	182-54064	Console Assembly - Electric and radio front cockpit	1	K,U
-1	168-54062	Support Assembly - Electric and radio front cockpit .	1	Z,K,U
-2	168-54062-5	Hinge - Front cockpit electric and radio support	1	7 V II
-3	AN253-2-7.5	assembly		Z,K,U Z,K,U
-4	168-54061	Cover Assembly - Electric and radio front cockpit		Z,K,U
-5	168-54061-3	Hinge - Electric and radio front cockpit cover	3	G 16 11
-6	AN3160-10	assembly		Z,K,U Z,K,U
-7	168-54033	Guard - Pitot heat switch		Z,K,U
-8	AN3022-8	Switch - Toggle single pole three hole mounting		Z,K,U
-9	AN3160-5	Circuit Breaker - Switch type non-trip free		Z,K,U
-10	AN3022-2	Switch - Toggle single pole three hole mounting		Z,K,U
-11	45A21662	Guard		Z,K,U Z,K,U
-12 -13	AN3160-5 AN3027-2	Switch - One hole mounting double pole toggle		Z,K,U
-14	AN3227-1	Switch - Toggle four pole three hole mounting		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)	1	7 K II
-18	AN3436-2-20	(AN3155-25-100 rheostat may be substituted)		Z,K,U K,U
-10	AN3436-2-20	Terminal Block Assembly - Electrical		Z
-19	AN3436-2-9	Terminal Block Assembly - Electrical		Z,K,U
-20	AS445B2	Switch (MH)	1	Z,K,U
-21	AN3436-2-2	Terminal Block Assembly - Electrical		Z,K,U
-22	AN3436-4-2 168-54064	Terminal Block Assembly - Electrical	1	Z,K,U
	100-54004	(see figure 15 for next assembly)	. Ref	Z
	168-54064-10	. Console Assembly - Electrical and radio rear cockpit		
		(see figure 15 for next assembly)		K,U
-23	168-54065	Support Assembly - Electrical and radio rear cockpit		Z
-24	168-54065-10	Support Assembly - Electrical and radio rear cockpit	1	K,U
-24	168-54065-5	assembly	1	Z,K,U
-25	168-54066	Cover Assembly - Electrical and radio rear cockpit		Z,K,U
-26	168-54066-5	Hinge - Rear cockpit electrical and radio support		
		assembly		Z,K,U
-27	AN253-2-3.0	Pin - Hinge		Z,K,U Z,K,U
-28 -29	AN3022-8 AN3155-25-200	Rheostat - Aircraft power		Z,K,U
-30	AN3220-2	. Knob - Pointer		Z,K,U
-31	0151-25-100	Rheostat - (OM)	1	Z,K,U
-32	AN345-10	Nut - Light hexagon fine thread	2	Z
-33	AN520-10R10	Screw - Machine round head fine thread		Z Z
-34 -35	AN960-10 AN935-10	Washer - Plain		Z
-36	168-54007	Support - Elec and radio console rear cockpit forward .		K,U
50	ATTACHIN	G PARTS		
-37 -38	AN365-1032	Nut - Self locking 250° F		K,U
-38	AN960-10	Washer - Plain		K,U
-39 -40	AN3-6A	. Bolt - Aircraft		K,U K,U
-40	AN315-3 AN936A10	Washer - Tooth lock		K,U
-42	AN520-10R16	. Screw - Machine round head fine thread		K,U
-43	AN3436-2-14	Terminal Block Assembly - Electrical	2	K,U
-44	AN3436-2-20	Terminal Block Assembly - Electrical	3	K,U
	AN3436-2-20	Terminal Block Assembly - Electrical	4	Z
-45	AN3436-2-6	Terminal Block Assembly - Electrical		Z
-46	AN3436-2-4 AN931-10-14	Terminal Block Assembly - Electrical		K,U Z,K,U
-46 -47	AN931-10-14 AN931-6S10	. Grommet - Elastic		Z,K,U
-48	AN931-16-22	. Grommet - Elastic		Z,K,U
-49	AN931-24-28	Grommet - Elastic	1	Z,K,U

AN 01-60FFA-4
FUSELAGE (Cont)

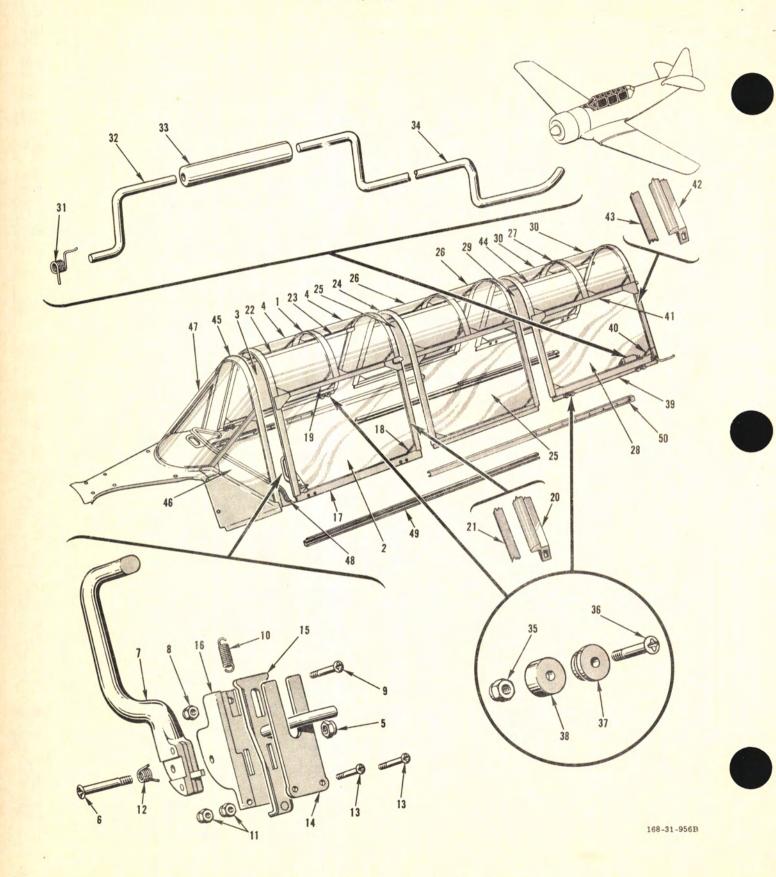


FIGURE 16 - COCKPIT ENCLOSURE AND WINDSHIELD ASSEMBLY

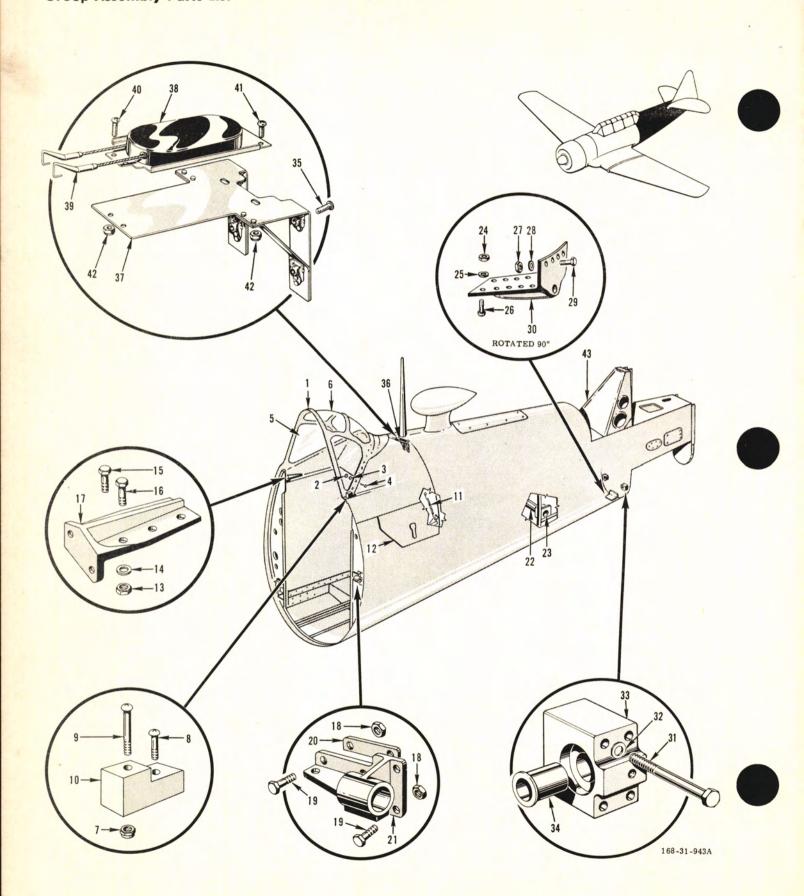
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### **Group Assembly Parts List**

FIGURE &	PART NUMBER	1	2 3	4	5	7		NOMENCLATURE		UNITS PER ASSY.	APPLICATION CODE
					CC	CKPT	T T	FUSELAGE (Cont)	SSEMBLY		
					CC	CKFI	I E	NCLOSURE AND WINDSHIELD A	SSEPDLI		
16								ndshield Assembly			
-1	168-31827							encl fwd (see fig. 15 for		Ref	ALL
-2	168-31835							closure forward side LH .		1	ALL
-3	168-31836							closure forward side RH .		1	ALL
-4	88-31846							closure front panel upper		1	ALL
-5 -6	AN365-1032							250°F		1	ALL
-6	NAS221-22							ad Phillips recess alloy		1	ALL
-7	49-31893-2							Cockpit enclosure release		1	ALL
-8	AN 365-428		. Nu	- 1	Sell	TOCK	The	ad Phillips recess alloy	steel 8-32	1	ALL
-9 -10	NAS220-20 25-31805	•	. Su	ning	- Dra	ckni	+ 0	enclosure lock	30001 0-52	ī	ALL
-11	AN365-1032							250°F		2	ALL
-12	49-31816							nclosure release handle .		1	ALL
-13	NAS221-18		. Sci	rew	- Bra	zier	he	ad Phillips recess alloy	steel 10-32 .	2	ALL
-14	49-31847							sure front panel lock fil		1	ALL
-15	168-31849							ockpit encl front panel 1		1	ALL
-16	49-31808		. Pi	vot	- Coc	kpit	en	closure release handle .		1	ALL
-17	168-31843							enclosure front panel low			ALL
	168-31845		. Cha	anne	1 - 0	ockp	pit	enclosure front panel low	er right	1	ALL
-18	3B1							t hand (NA)		4	ALL
	3B1-1							tht hand (NA)		3	ALL
-19	168-31839-3							closure front panel side			ALL
-20	168-31827-3							Cockpit enclosure forwar			ALL
	168-31827-5	•						Cockpit enclosure forwar		1 2	ALL
-21	168-31827-7							kpit enclosure forward .		1	ALL
-22	88-31827-13 88-31827-3							Front cockpit enclosure		1	ALL
-23	88-31827-10							ont cockpit enclosure forw		2	ALL
-24	168-31828	•						encl fixed (see fig. 15 f		Ref	ALL
-25	168-31834							closure fixed side		2	ALL
-26	88-31847							closure fixed top		2	ALL
-27	168-31829							encl aft (see fig. 15 for		Ref	ALL
-28	168-31837		. Gla	ass	- Coc	kpit	en	closure aft side LH		1	ALL
-29	168-31838		. Gla	ass	- Coc	kpit	en	closure aft side RH		1	ALL
-30	88-31858							closure rear		2	ALL
-31	36-31816							enclosure panel release ha		1	ALL
-32	36-31840-3							enclosure rear panel lock		1	ALL
-33	36-31838							losure rear panel lock ha		1	ALL
-34	121-31840-2							enclosure rear panel lock		1 0	ALL
-35	AN315-3R							me		8	ALL
-36	NAS221-12 36-318117							enclosure panel		0	ALL
-37 -38	36-318115		. Ru	chir		ckpi	ni t	enclosure panel roller .		8	ALL
-39	168-31840	•						enclosure rear lower left			ALL
-37	168-31842							enclosure rear lower righ			ALL
-40	3B1		. Blo	ock	- Cor	ner	lef	't hand (NA)		3	ALL
	3B1-1		. Bl	ock	- Cor	ner	rig	tht hand (NA)		14	ALL
-41	168-31839-5		. Fra	ame	- Coc	kpit	en	closure rear panel side .		2	ALL
-42	168-31829-3							· Cockpit enclosure aft le			ALL
	168-31829-5							· Cockpit enclosure aft ri		1	ALL
-43	168-31829-7							kpit enclosure aft right		2	ALL
-44	88-31829-3							Aft cockpit enclosure up			ALL
1.5	88-31829-6							cockpit enclosure upper		2	ALL
-45	168-31826		Winds					Cockpit enclosure (modif		Dof	Λ.
	168-31826-10		. I d m d a l	(56	e Ile	gure	15	for next assembly)	ination)	Ref	A-
	160-31026-10		winds	/ac	a fie	sembi	y -	for next assembly)	icacion)	Ref	Z
-46	36-31834		G1					closure windshield side .		2	ALL
-47	55-31835							closure windshield front		ī	ALL
-48	88-31826-4							· · · · · · · · · · · · · · · ·		î	ALL
	88-31801							kpit (see fig. 15 for nex		NP	ALL
-49	36-318121-6		. Tra	ack	Assen	nbly	- C	cockpit enclosure front LH		1	ALL
	36-318121-5		. Tra	ack	Assen	nbly	- C	cockpit enclosure front RH		1	ALL
-50	36-318120-8							ockpit enclosure rear int			ALL
	36-318120-9		. Tra	ack	Assen	nbly	- C	cockpit enclosure rear int	poard RH	1	ALL



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### Section\_II\_ **Group Assembly Parts List**

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATIO CODE
		FUSELAGE (Cont)		
		FUSELAGE REAR SECTION COVERED FRAME ASSEMBLY		
17	168-31106	* Frame Assembly - Fuselage rear section covered (mod)		
-1	100-31100	(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)		
	160 01110	(supersedes by and is interchangeable with 168-31706-200).	Ref	K, U
	168-31110	. Frame Assembly - Fuselage station 106-31/32 to station 137	3	
	180 21110	(mod) (used on 168-31106 and 168-31106-100) Frame Assembly - Fuselage station 106-31/32 to station 137	1	A,Z
	182-31110	(mod) (used on 168-31106-200)	1	K,U
	168-31109	Frame Assembly - Fuselage rear section lower	_	N, O
	100-31109	(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	168-31830	Enclosure Assembly - Rear cockpit aft (modification)	1	ALL
-2	AN365-625	Nut - Self locking 250° F	57	ALL
-3 -4	AN960D6	Washer - Plain	57	ALL
-4	AN526-632R14	Screw - Truss head coarse thread		ALL
-5 -6	88-31848	Glass - Gunner's hood side panel		ALL
-6	88-31849	Glass - Gunner's hood top panel		ALL
-7 -8	AN365-832	Nut - Self locking 250° F	4	ALL
	NAS220-11 NAS220-18	Screw - Brazier head Phillips recess alloy steel 8-32 Screw - Brazier head Phillips recess alloy steel 8-32	2	ALL
-9 -10	168-31848	Screw - Brazier nead Phillips recess alloy steel 0-32	2	ALL
-11	19-33449	. Stop - Aft cockpit enclosure		ALL
-12	168-31025	Door Assembly - Fuselage baggage compartment	1	ADL
	100 3102)	(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	Washer - Plain	6	ALL
-16	AN4-6A	Bolt - Aircraft 1/4-28	6	ALL
-17	52-31142	Fitting - Fuselage connection rear LH	1	ALL
- 0	52-31142-1	Fitting - Fuselage connection rear RH		ALL
-18	AN365-1032	. Nut - Self locking 250° F		ALL
-19	AN4-5A	. Bolt - Aircraft 1/4-28	4	ALL
-20	55-31246	. Shim - Fuselage rear cockpit step bracket		ALL
-21	182-31222	. Bracket - Fus rear cockpit step (mod) (supersedes 168-31222		ATT
-22	52-31138	and 55-31222)	1	ALL ALL
-23	55-31180	Fitting - Fuselage lift tube support LH	1	ALL
-23	55-31180-1	Fitting - Fuselage lift tube support RH		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	. Pad - Fuselage jack auxiliary tail skid		ALL
-31	AN4-21A	. Bolt - Aircraft 1/4-28	8	ALL
-32	2W1-17-14-64	. Washer - Plain (NA)	8	ALL
-33	52-31169 4B8-30	. Fitting Assembly - ruserage station 215 5/0 tall wheel attach	ing 2	ALL
-35	AN520-10R8	. Bushing (NA)	4	ALL
-33 -34 -35 -36 -37 -38	168-73004	. Bracket Assy - Instrument flying hood retracting reel support		ALL
-37	168-73004-3	. Bracket - Instrument flying hood retracting reel		ALL
-38	168-73003	Reel Assembly - Instrument flying hood retracting	-	ALL
5-	133	(altered from ACME 4 1/2 lb. twin sash balance	1	ALL
-39 -40	168-73019	Cable Assembly - Instrument flying hood retracting reel .		ALL
	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		

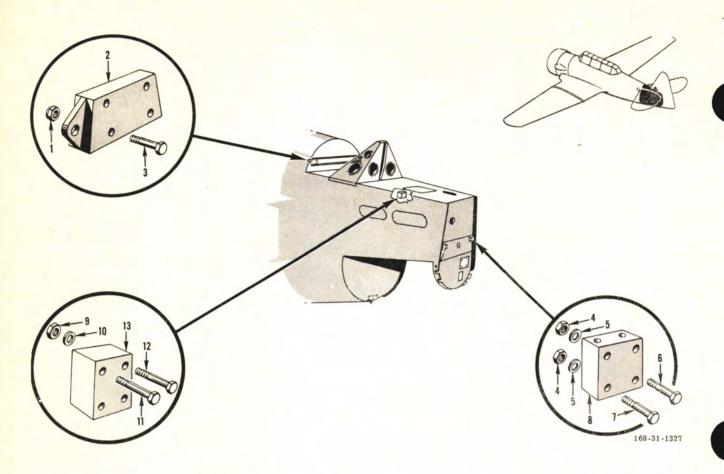


FIGURE 17A - UPPER REAR FUSELAGE FRAME AND DECK ASSEMBLIES

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	CODE
		FUSELAGE (Cont)		
		UPPER REAR FUSELAGE FRAME AND DECK ASSEMBLIES		
17A	No Number	Upper Rear Fuselage Frame and Deck Assemblies		
	160 03300	(see figure 17 for next assembly)	. NP	ALL
	168-31108	. Frame Assembly - Fuselage rear section upper (mod) (used on 168-31106 only)	. 1	A
	168-31108-100	Frame Assembly - Fuselage rear section upper (mod)		v 7
	169 21209	(used on 168-31106-100 and 168-31106-200) Deck Assembly - Fuselage sta 137 to sta 200-3/4 upper	. 1	K,Z,
	168-31308	(used on 168-31706 only)	. 1	A,Z,
	168-31308-200	(used on 168-31706 only)	,	K,U
		(used on 168-31706 only)	. 1	
	69-31120	Former Assembly - Fuselage rear section No. 5 upper	. 1	ALL
-1	AN365-428	Nut - Self locking 250° F	. 8	ALL
-2	AN4-11A	Bolt - Aircraft 1/4-28	. 8	ALL
-3		Fitting - Fuselage horizontal stabilizer front		
-3	52-31109	attaching IH	. 1	ALL
	52-31109-1	Fitting - Fuselage horizontal stabilizer front		
	52-31109-1	attaching RH	. 1	ALL
	88-31611	Frame Assembly - Fuselage rear section rear covered		
	00-31011	(upod on 168-21106 only)	1	ALL
	168-31311	(used on 168-31106 only)		11.22
	100-31311	(used on 168-31706 only)	1	ALL
		(used on 100-31700 only)	. 8	ALL
-4	AN365-428	Nut - Self locking 250° F	. 0	ALL
-5 -6 -7 -8	AN960-416	Washer - Plain	. 0	
-6	AN4-13A	Bolt - Aircraft 1/4-28	. 4	ALL
-7	AN4-14A	Bolt - Aircraft 1/4-28	. 4	ALL
0	52-31107	. Fitting - Fus horizontal stabilizer rear attaching LH .	. 1	ALL
-0		Fitting - Fus horizontal stabilizer rear attaching RH .	1	ALL
	52-31107-1	Fitting - Fus norizontal stabilizer rear attaching in		ALL
-9	AN365-428	Nut - Self locking 250° F	. 0	
-10	AN960-416	Washer - Plain	. 4	ALL
-11	AN4-16A	Bolt - Aircraft 1/4-28	. 4	ALL
-12	AN4-17A	Bolt - Aircraft 1/4-28	. 4	ALL
-13	55-31143-2	Block - Fuselage rear section No.8 vertical stabilizer	. 1	ALL
		rear spar support LH		KLL
	55-31143-3	Block - Fuselage rear section No.8 vertical stabilizer		
		rear spar support RH	. 1	ALL

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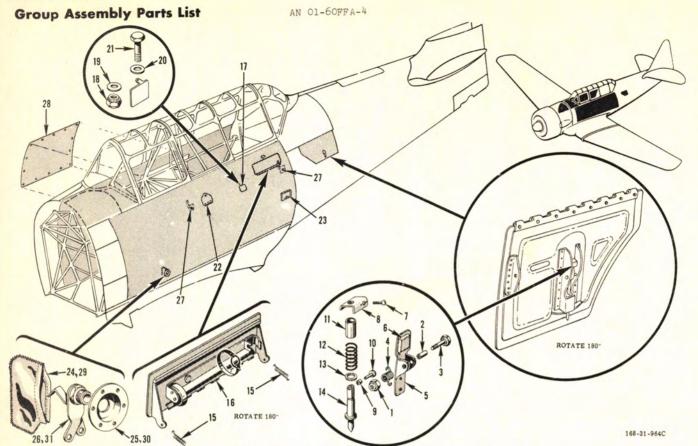
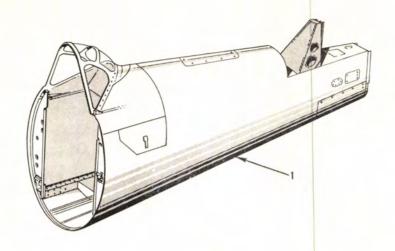


FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
		FUSELAGE (Cont)		
		BAGGAGE COMPARTMENT DOOR AND FUSELAGE SIDE PANELS		
18		Baggage Compartment Door and Fuselage Side Panels		
10	168-31025	. Door Assy - Fus baggage compt (see fig. 17 for next assy)	Ref	ALL
	66-31074-2	Latch Assy - Fus baggage compartment door complete		ALL
- 3	AN365-1032	Nut - Self locking 250°F	ī	ALL
-1		Bushing - Spacer (NA)		ALL
-2	4B14-3-61			
-3	AN3-23A	Bolt - Aircraft 10-32	1	ALL
-4	54-31080	Spring - Fus baggage compt door latch operating	1	ALL
-5 -6	66-31077	Handle Assy - Fuselage baggage compartment door		ALL
-6	2352	Eagle Lock (UH)	1	ALL
-7	NAS221-7	Screw - Brazier head Phillips recess alloy steel 10-32	1	ALL
-8	66-31071	Guide Assy - Fus baggage compt door latch plunger	1	ALL
	484-4-3	Spacer - Rivet (NA)		ALL
-9		Pin - Flat head 1/8		ALL
-10	AN392-13	Pin - Flat head 1/0	i	
-11	54-31081	Stop - Fus baggage compartment door hinge latch	1	ALL
-12	54-31079	Spring - Fus baggage compt door latch operating	1	ALL
-13	AN960-6	Washer - Plain	1	ALL
-14	55-31078	Latch Assy - Fuselage baggage compartment door	1	ALL
	168-31050	. Panel Assy - Fus left side fairing (mod) (see figure 14		
	100-31000	for next assembly)	Ref	A,K.U
	369 23050 300	. Panel Assy - Fus left side fairing (mod)(see fig. 14 for	1,01	11,11,0
	168-31050-100		Dof	Z
		next assembly)	Rei	
-15	55-31049	Spring - Fuselage fire extinguisher door	2	ALL
-16	55-31038-4	. Door Assembly - Fuselage fire extinguisher	1	ALL
-17	66-31009	Ventilator Assembly - Fuselage rear cockpit complete	1	ALL
-18	AN310-3	Nut - Castellated airframe	2	ALL
-19	AN960-10	Washer - Plain		ALL
-20	AN960-10L	Washer - Plain		ALL
		Bolt - Aircraft 10-32		ALL
-21	AN3-4			
-22	55-31301	Cover Assy - Fus left side panel hyd tank filler access		ALL
-23	168-31027	Door Assembly - External power supply access	1	ALL
-24	88-54090	. Boot Assembly - Fuel hose grounding jack	. 1	ALL
-25	54-31201	Well - Fuel hose grounding jack	1	ALL
-26	B111745X	Jack - Type CJl gasoline tank grounded		ALL
-27	168-31120	. Tube Assembly - Cockpit drain		Z
-21		. Panel Assy - Fuselage right side fairing (mod) (supersedes	_	_
	168-31051-10		Ref	A
		168-31051) (see fig. 14 for next assembly)	Rei	A
	168-31051-100	. Panel Assy - Fuselage right side fairing (mod) (supersedes		
		168-31051) (see fig. 14 for next assembly)	. 1	Z,K,U
-28	168-31058	Cover Assy - Fus sta 43 3/8 to 68 1/8 main power panel		
		access	1	ALL
-29	88-54090	Boot Assembly - Fuel hose grounding jack	1	ALL
		Well - Fuel hose grounding jack	_	ALL
-30	54-31201	Well - ruel nose grounding jack	i	ALL
-31	B111745X	Jack - Type CJl gasoline tank grounded	1	ALL



168-31-966

FIGURE 19 - SPARE FUSELAGE REAR SECTION COVERED FRAME ASSEMBLY

FIGURE &	PART NUMBER	1	2	3 4	5	6	7		NOMENCLATURE		UNITS PER ASSY.	APPLICATIO CODE
									FUSELAGE (Cont)			
				SI	PARE	FU	SEL	AGE	REAR SECTION COVERED FRA	AME ASSEMBLY		
19	168-31906	F	RAM	ASSI	EMBL	Y -	FU	SEL	AGE REAR SECTION COVERED	SPARE		
-,	3-3-1			4					ND IS INTERCHANGEABLE WI'		. 1	A
	168-31976	F	RAMI	ASSI	EMBL	Y -	FU	SELA	AGE REAR SECTION COVERED	SPARE		
									IS INTERCHANGEABLE WITH		. 1	A
	168-31976-100								AGE REAR SECTION COVERED		. 1	Z
	168-31976-200	F							AGE REAR SECTION COVERED		. 1	K, U
-1	168-31706		FI						SELAGE REAR SECTION COVE ND IS INTERCHANGEABLE WI'		. 1	A
	168-31706-100		FF						SELAGE REAR SECTION COVE			A
	100-31/00-100		1.1						ND IS INTERCHANGEABLE WI		. 1	Z
	168-31706-200		FI						SELAGE REAR SECTION COVE			
									ND IS INTERCHANGEABLE WI		. 1	K, U
									ISHED PROPERTY			
	WITH ADD	TION										
	77-45044								ER CRANK STOWAGE		. 1	ALL
	78-31010								,	N 168-31906 ONLY)		A A
	78-31013									N 168-31906 ONLY)		A
	78-31013-1 168-31025								GUNNER'S HOOD RH (USED O			ALL
	58-31083								ELAGE BAGGAGE COMPARTMEN ELAGE BAGGAGE COMPARTMEN		. 1	ALL
	58-31086								GAGE COMPARTMENT DOOR UP		. 1	ALL
	55-31238								REAR SECTION BODY ACCE		i 1	ALL
	55-31097								CTION 6 TO 7 ACCESS HOLE			ALL
	55-31045								AR SECT. 7 TO 8 ACCESS L		-	ALL
	55-31045-1		CC	VER	SSV	_	FIIS	REA	AR SECT. 7 TO 8 ACCESS RI	H (SEE FIGURE 14)	. ī	ALL
	88-34160-2								HEEL STEERING CONTROL LE			ALL
	88-34160-3								HEEL STEERING CONTROL RI			ALL
	88-34156								STEERING CONTROL CABLE			ALL
	88-34157								STEERING CABLE FRONT RO			ALL
	55-31061								FUS TAIL WHEEL CUTOUT LH		. 1	ALL
	55-31061-7		C	WLING	AS:	SEM	BLY	- I	FUS TAIL WHEEL CUTOUT RH	(SEE FIGURE 14)	. 1	ALL
	55-52550		F	IRLE	AD -	FU	SEL	AGE	REAR SECTION ELEVATOR T	RIM TAB CABLE .	. 1	ALL
	55-52216								ONT SECTION STA NO.6 ELE		. 1	ALL
	55-52216-1		G1	JARD .				FR	ONT SECTION STA NO.6 ELE	VATOR CABLE RH .	. 1	ALL
	6P2		PI	JLLEY	(	NA)					. 1	ALL
	19-34007								CABLE PULLEY (SEE FIGUR		. 2	ALL
	88-52497		AI						ER CONTROL CABLE LEFT ID	LER COMPLETE		
	00 50100				(SEE					DE GOMPIEME	. 1	ALL
	88-52498		Al						ER CONTROL CABLE RIGHT I	DLER COMPLETE	. 1	ALL
	88-53174		0		(SEE					7	1	ALL
	88-34013								CRAFT DATA (SEE FIGURE 4"			MILL
	00-34013		7, 1						7) (USED ON 168-31906 ON	(V.)	. 1	ALL
	88-34173		B						L WHEEL SHOCK STRUT (SEE		. 1	ALL
	168-52415								ONTROL CABLE STATION 137		. 1	ALL
	168-52411								DDER CONTROL AFT LH (SEE		. 1	ALL
	168-52412								DDER CONTROL AFT RH (SEE		. 1	ALL

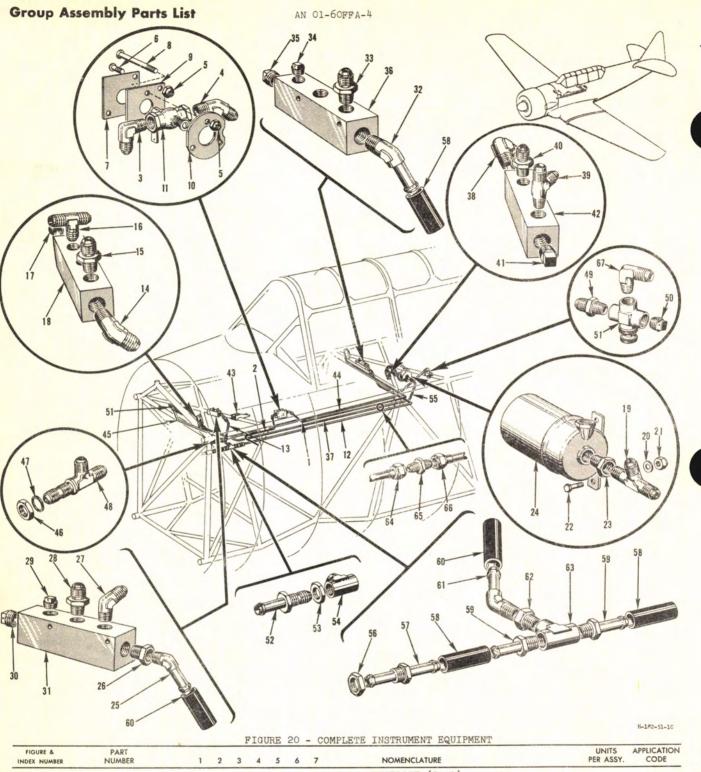


FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASS	
		FUSELAGE (CONT) COMPLETE INSTRUMENT EQUIPMENT		
	168-51001	Instrument Equipment Installation - Complete (mod) (see figure 1 for next assembly)	NP	ALL
	168-51040	. Instrument Equipment Installation - Engine (mod) (see figure 23 for detail breakdown)	NP	ALL
	168-51040-100	. Instrument Equipment Installation - Engine (mod) (see figure 23 for detail breakdown)	NP	ALL
	168-51031 No Number	. Instrument Equipment Installation - Front fuselage (mod) Instrument Equipment Installation - Front fuselage	NP	ALL
	168-51005	right side (see figure 20A for detail breakdown) Panel Assembly - Instrument complete (see figure 21)	NP 2	ALL Al-Al5
	168-51005-10	Panel Assembly - Instrument complete (see figure 21)	2	A16D30
	168-51005-20 168-51005-30	Panel Assembly - Instrument complete (see figure 21) Panel Assembly - Instrument complete aft (see figure 21) .	1	D30G91
	168-51005-40 168-51005-50	Panel Assembly - Instrument complete forward (see fig. 21) Panel Assembly - Instrument complete (see figure 21)	1 2	Z K, U

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### **Group Assembly Parts List**

Section\_II\_

FIGURE & DEX NUMBER	PART NUMBER	1	2	3	4	5	6	7			NOMENCLATI	JRE							NITS ASSY.	CODE
								COM	MPLES	FUS TE INS	ELAGE (C	ont) EQUIPME	NT (C	ont)						
20-1	168-51801-57			Lir	ie -	Rea	er n				ributor				alv	e				
						mani	lfol	ld p	ores	sure .	: : : :						•		1	ALL
-2	168-51801-59		*	Lir	ie -	Pur	ege	val	lve 1	to ove	rboard m	anifold	pres	sure				•	1	ALL
-3 -4	AN822-4D AN823-4D			Ell	WOO	- F1	lare	ed t	tube	and p	ipe thre	ad 45°							2	ALL
	AN365-1032			Nut	-	Self	10	ocki	ing 2	250° F									5	ALL
-5 -6	AN526-10-8			ומיח	199	Head	- 6	COR	arse	and f	ine thre	ad							2	ALL
-7	55-51065			Pla	te	- Ma	anif	rolo	d pre	essure	gage ve	nt cont	rol 1	nstr	uct:	1on			1	ALL
-8 -9	AN507-10-22 36-51050										vent an						•		2	ALL
-9	30-31030			1 10															1	ALL
-10	36-51049			Pla	te						vent an								1	ALL
-11	765-10			Cor	ek .	- Shi	it	off	(St	ock No	. 3850-0	54358-1	12) .	: :		: :			1	ALL
-12	77-51813			Lin	ie -	Fre	ont	par	nel '	tee to	rear pa	nel man	ifold	bloo	ck				1	A
	182-51801-5			Lin	ie -	Fre	ont	par	nel '	tee to	rear va	cuum di	strib	ution	n b	lock	K		1	K,U
2.2	168-51801-113										rear pa manifol								1	Z A,Z
-13	77-51806 182-51801-17			Lin	1e -	Fre	ont	par	nel nel	tee to	front v	acuum d	istri	buti	on '	box			1	K,U
-14	AN823-10D			EI	WOO	- F	lare	ed 1	tube	and p	ipe thre	ad 45°							1	ALL
-15	AN816-6D			M4 .	nle	- T	2101	hon	tuh	e and	nine thr	ead							1	ALL
-16	AN823-4D			Ell	WOO	- F	lare	ed t	tube	and p	ipe thre	ad 45°							1	*1
3.77	AN826-4D			Tee	- 5	Flan	red	tul	pe W	nine +	pe threa hread .	d on ru	ii						1	ALL,
-17 -18	AN913-2D 77-51020			Blo	ock	- Tr	nstr	rume	ent	vacuum	distrib	ution							1	ALL
-19	AN826-10D			TO	- 6	Flan	hen	t.111	be W	ith pi	pe threa	d on ru	n						1	A,Z
33	AN825-10D			Te		Flan	red	tul	be w	ith pi	pe threa	d on si	de .						1	K,U
-20	AN365-1032			Nu	- has	Seli	110	ock:	ing :	250 F								:	2	K,U
-21	AN960D10 AN520-10R8			Son	was	- Ms	ach:	ine	2011	nd hea	d coarse	thread							2	K, U
-22	AN4-5A			Bo	it .	- A11	rera	aft	1/4	-28 .									2	A,Z
-23	AN912-7D			Bu	shir	ng -	Red	duce	er .										1	A,Z
-24	AN5822										ted								1	ALL
-25 -26	AN844-8D AN912-4D			Bu	shi	- P.	Fee	duc	read	and f	ose			16		: :			1	ALL
-27	AN823-6D			El	WOO	- F	lar	ed '	tube	and p	ipe thre	ad 45°							1	ALL
-28	AN816-6D			Ni	ople	9 - 1	Fla	red	tub	e and	pipe thr	ead .							1	ALL
-29	AN913-1D			Pl	ıg .	- Sq	uar	e he	ead	pipe t	hread .						•		1	ALL
-30 -31	AN913-2D 77-51020			PI Bl	ock	- 5q	nst	rum	ent.	hathe f	distrib	ution	: : :	:::					1	ALL
-32	AN844-10D			El	WOO	- P:	ipe	th:	read	on ho	se								1	ALL
-33	AN816-4D			Ni	onle	- 1	Fla	red	tub	e and	pipe thr	ead .							2	K,U
a li	AN816-6D			Ni	opl	9 - 1	Fla:	red	tub	e and	pipe thr	ead .						•	2	A,Z ALL
-34 -35	AN913-1D AN913-2D			PI	ug .	Sq	uar	e h	ead	pipe t	hread .		: : :	1 :		: :	:		1	ALL
-36	77-51020			B1	ock	- T	nst	rum	ent	vacuum	distrib	ution							1	ALL
-37	168-51801-65			Li	ne ·	- F1	1te	r t	o fr	ont pa	nel mani	fold bl	ock a	ir .					1	A
-0	182-51801-9			Li	ne ·	- A1:	r d	ist	ribu	ition b	lock to	vacuum	air i	ilte	r				1	K,U ALL
-38 -39	AN822-10D AN826-4D			Te	WO C	Fla:	red	tu	he w	ith of	pe threa	d on ru	in			: :			1	ALL
-40	AN816-6D		:	Ni	ppl	e - 1	Fla:	red	tub	e and	pipe thr	ead .							1	*1
	AN826-6D			Te	a -	Fla	red	1.11	be w	ith of	ne threa	d on ru	in						1	ALL,
-41	AN913-2D			Pl	ug ·	- Sq	uar	e h	ead .	pipe t	hread .	utton.						•	1	ALL
-42 -43	77-51020 168-51017-1			BI	ock	rt A	SSE	rum mbl	v -	Tostm	ment par	nel lowe	r LH			1			2	ALL
-45	168-51017-2			Su	opo	rt A	sse	mb1	у -	Instru	ment par	nel lowe	er RH						2	ALL
- 44	168-51801-77			T.1	ne	Asse	mb1	v -	Vac	uum co	ntrol va	lve aft	to f	irew	all				1	ALL
-45	168-51801-79			Li	ne	Asse	mbl	у -	Vac	uum ec	ntrol va	live for	ward	tof	ire	wal	1		1	ALL
-46 -47	AN924-6D AN960D916		,	NU	she	r Ta	P]a	in	ne p	urknes	and ur	TAGL291		1118		: :		5	1	ALL
-48	AN804D6			Te	e -	Fla	red	tu	be w	with bu	lkhead c	on run							1	ALL
-49	AN816-4D			N1	nn1	p -	Fla	red	tub	e and	pipe thr	read .							1	ALL
-50	AN913-1			P1	ug	- Sq	uar	e h	ead	pipe t	hread (s	supplies	with	AN5	329	1-1)			1	ALL
-51 -52	AN5829-1 AN807-10D		:								control								1	K,U
-53	AN924-10D			Nu	t -	Fla	red	tu	be b	ulkhea	d and ur	iversal	fitt	ing	4				1	K,U
-53 -54	AN824-10D			TO	0 -	Fla	ned	t.11	he .										1	K,U
-55	168-51801-63			L1	ne	- A1	r f	ilt	er t	o real	panel n	nanifold	bloc	ck .					1	A Z
	168-51801-111 182-51801-11			L1	ne	- A1	r I	m a	er t	o real	panel n	panel n	nanifo	old .					1	K.U
-56	AN924-10D		:	Nu	t -	Fla	red	tu	be b	ulkhea	d and ur	niversal	fitt	ing					1	A,Z
-57	AN849-10D			Co	nne	ctor	-	Hos	e bu	ılkhead	1								1	A,Z
-57 -58	3H2L10-10			Но	se	(NA)													3	A,Z
-59 -60	AN840-10D 3H2L8-9			Ad	apt	er -	НО	se	to b	the th	read							1	5	A,Z A,Z
-61	AN844-8D			E1	bow	- P	ipe	th	read	and h	ose								1	A,Z
-62	AN912-4D			Bu	chi	no -	Re	duc	en.										1	A,Z
-63	AN917-4D			Te	e -	Int	ern	al	pipe	threa	nd	יין הוחי	nole of						1	A,Z
-64 -65	168-51801-109 AN815-10D		•	Li	ne	- Un	lon	to	tuhe	ont par	nel manii	O10 D10	JCK al	. 1.		: :			1	Z
-66	168-51801-115			Li	ne	- F1	1te	rt	o un	nion	ipe three								1	Z
-67	AN822-6-2D			777			2	- 4	4			1 000							2	ALL,

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FUSELAGE (Cont)

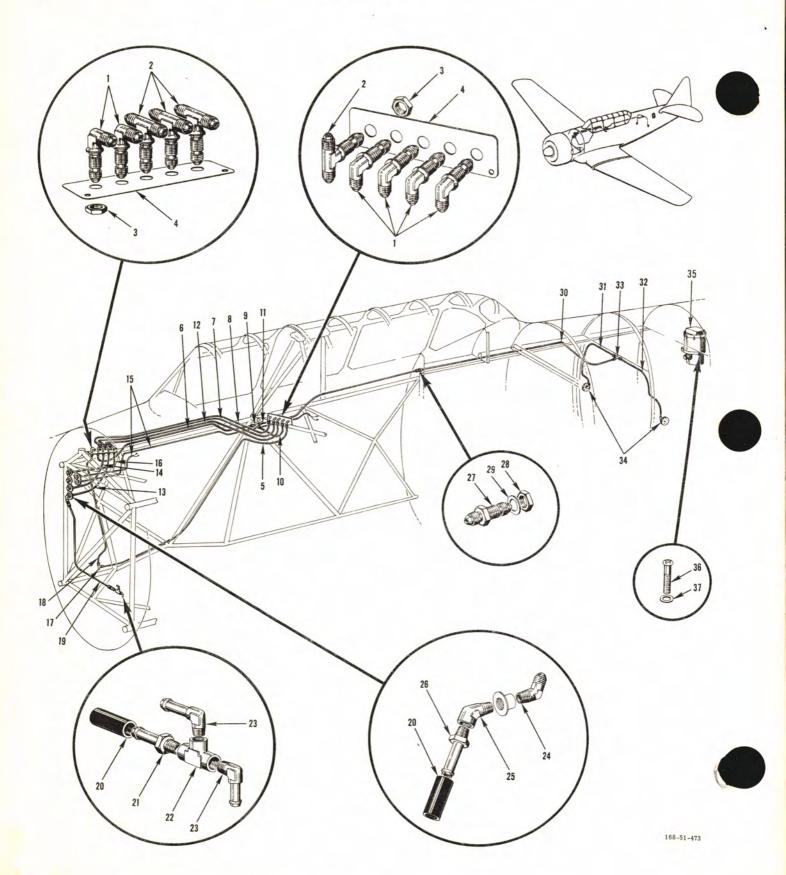


FIGURE 20A - RIGHT SIDE FRONT AND REAR FUSELAGE INSTRUMENT EQUIPMENT

FIGURE &	PART NUMBER	1	2 3	4	5	6 7		NOME	NCLATURE		UNITS PER ASSY.	APPLICATION
			R	IGHT	SID	E FRO	ONT AI		AGE (Cont)	UMENT EQUIPMENT		
004		7.4										
20A	No Number	Rigi	nt Si	de F	ront	and	Rear	Fuselage	Instrument E	quipment		
	No Number		Instr						ont fuselage	right side	ND	ATT
-1	AN833-4D		. El							1 fitting		ALL
-2	AN834-4D		. Te	e - :	Bulk	head	and t	universal	flared tube		. 4	ALL
-3 -4	AN924-4D		. Nu	t - :	Flar	ed tu	abe bu	ulkhead ar	nd universal	fitting	. 10	ALL
	168-51007										. 2	ALL
<b>-</b> 5	168-51801-23				airs	peed	pitot	t		ributor plate	. 1	A-
	168-51801-107		. Li	ne -	Cen	ter w	ving t	tee to rea	r panel dist	ributor plate	. 1	Z
-6	168-51801-11		Li	ne -	Rea	r par	nel te	ee to from	it panel dist	ributor plate		A1-B20
	168-51801-89	•	Li	ne -	Rea	r par	nel te	ee to from	it panel dist	ributor plate		B21-
-7	168-51801-47		Li	ne -	Fro	nt pa	nel o	distributo	or plate to r	ear panel		
	168-51801-95		Li	ne -	Fro	nt pa	nel c	distributo	or plate to r			A1-B20
-8	168-51801-55		Li	ne -	Fro	nt pa	inel c	distributo	or plate to re			B21-,Z
	168-51801-103		Li	ne -	Fro	nt pa	nel d	distributo	r plate to re	ear panel		A1-B20
	Ook ka			(	dist:	ribut	or pl	late manif	'old pressure		. 1	B21-,Z
-9 -10	AN824-4D 168-51801-17	: :							panel distr	ibutor plate	. 1	ALL
-11	168-51801-9		T.11							el tee airspeed	. 1	ALL
-12	168-51801-51			8	stat	ic .					. 1	ALL
-12				3	pane	l dis	tribu	tor plate	oil pressure	plate to rear	. 1	A1-B20
	168-51801-99			1	pane!	l dis	tribu	tor plate	oil pressure	plate to rear	. 1	B21-,Z
-13	168-51801-45		Lin	ne -	Fire	ewall	to f	ront pane	l distributor	r plate	. 1	A1-B20
2.10	168-51801-93		Lin	ne -	Fire	ewall	to f	ront pane	l distributor	r plate	. 1	B21-,Z
-14	168-51801-49		Lir	ne -	Fire	ewall	to f	ront dist	ributor plate	e oil pressure .	. 1	A1-B20
-15	168-51801-97 168-51081-9		Lin	ne -	Fire	ewall	to	ront dist	ributor plate	e oil pressure .	. 1	B21-,Z
-16	168-51801-53		Lir	ne -	Fire	ewall	to f	ront pane	1 distributor	trument		ALL
	168-51801-101		Lir	ne -	Fire	ewall	to f	ront pane	1 distributor	plate		A1-B20
-17	AN824-4D		mo.	r	mani	told	press	sure			. 1	B21-,Z
-18	168-51801-21									tributor plate	. 1	ALL
	100 )1001 11		21.								. 1	A1-B20
	168-51801-91		Lir	ne -	Cent	ter w	ing t	ee to fro	nt panel dist	tributor plate		
	168-51801-117		Lir	ne -	Cent	ter w	ing t	ee to fro	nt panel dist	tributor plate		B21-,Z
-19	168-51801-42		Lir	ne -	Fire	ewall	tee	to firewa	ll bulkhead f			Z
-20	AN884-4-10		Hos	ı,	ress	sure					. 1	ALL
-21	168-51013		Ada	nter	Aron	natic	v - T	netmument	restrictor	: : : : : : :	. 1	ALL
-22	AN917-1											ALL
-23	AN842-4D		Elb	ow -	- Pir	oe th	read	and hose			. 2	ALL
-24	811CT45-4		Fit	ting	5 - 5	Solde	rless				. 1	ALL
-25	AN915-1		Elb	OOW -	- Int	terna	1 and	external	pipe thread		. 1	ALL
-26	AN840-4		Ada	pter	- F	Hose	to pi	pe thread				ALL
-27	168-51131									elage		ALL
-28	AN832-4D AN924-4D	: :	Nut	on -	112	ared	be bu	1khend	ead and unive	ersal	. 1	ALL
-29	AN960D716		Was	her	- Pl	lain	be bu	iknead an	d diliversal I	itting	. 1	ALL
-30	168-51801-7		Lin	ie -	Tee	to s	ta 10	6 31/32 b	ulkhead airsr	peed static	. i	ALL
-31	168-51801-5		Lin	ne -	RH s	stati	c por	t to tee	airspeed stat	ic	. 1	ALL
-32	168-51801-3		Lin	ne -	LH s	stati	c por	t to tee a	airspeed stat	ic	. 1	ALL
-33 -34	AN824-4D		Tee	- F	lare	ed tu	be .				. 1	ALL
-34	AN822-4D AN5730-3	: :		pass	- F	Remote	e ind	icating ma		(for a list of	. 2	ALL
	10062-1A							efer to:				
	10062-1A 10062-1B					5-5						
	T95750						(TEM)					
	ATTACHING	PARTS		.111	, 1		(150)					
-36	AN515B8R16									d		ALL
-37	AN960B8											ALL

FIGURE 20B DELETED

Section II Group Assembly Parts List

AN 01-60FFA-4

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MIAMI 48, FLA.

FIGURE 20B DELETED

Revised 1 May 1952 39

AN 01-60FFA-4
FUSELAGE (Cont)

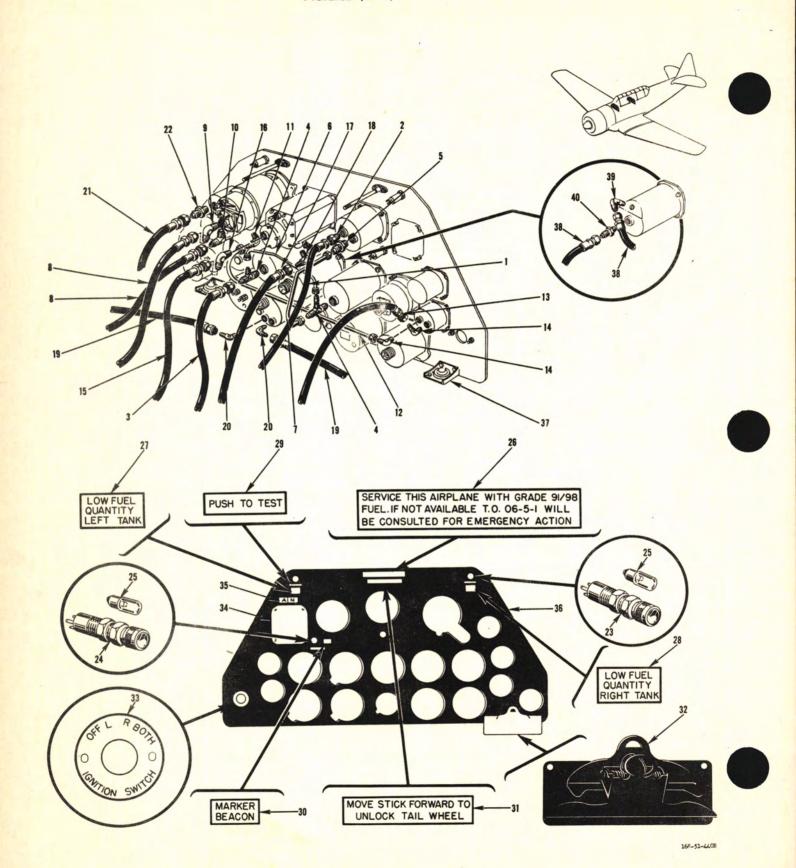


FIGURE 21 - COMPLETE INSTRUMENT PANEL ASSEMBLY

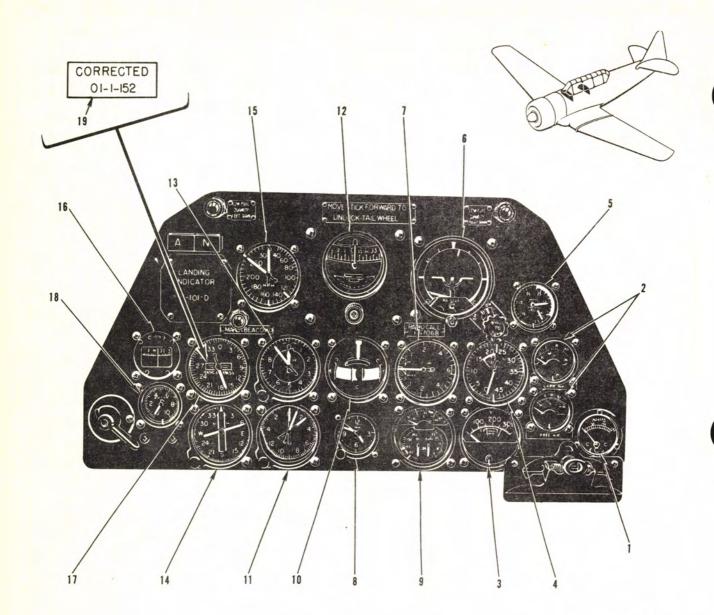
### MIAMI 48, FLA.

## Section\_II

Group	Assembly	Darts	list
Group	Assembly	Paris	LIST

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	PER ASS	Y. CODE
		FUSELAGE (Cont) COMPLETE INSTRUMENT PANEL ASSEMBLY		
	360 53005			
21	168-51005 168-51005-10	Panel Assy - Instrument complete (see fig. 20 for next assy) .		A1-A15
	168-51005-20	Panel Assy - Instrument complete (see fig. 20 for next assy) .		A16-D30
	100-51005-20	Panel Assy - Instrument complete (see fig. 20 for next assy) .	. Ref	D31-G91,
	168-51005-30	Panel Assy - Instrument complete aft cockpit (see figure 20		11)1-
	100 91009 50	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) .		K, U
-1	AN6270-4-19	. Hose Assy - Detachable swivel fitting low pressure		ALL
-2	AN816-4D	. Nipple - Flared tube and pipe thread		ALL
-3 -4	AN6270-4-19 AN826-4D	. Hose Assy - Detachable swivel fitting low pressure		ALL
-5	AN816-4D	Nipple - Flared tube and pipe thread		ALL
-5 -6	168-51801-13	. Line Assy - Airspeed static altimeter to rate of climb		ALL
	100-31001-13	indicator	. 1	A
	182-51801-13	. Line Assy - Airspeed static indicator to altimeter	. 1	K,U
-7	168-51801-15	. Line Assy - Airspeed static airspeed indicator to altimeter	. 1	ALL
-8	AN6270-6-16	. Hose Assy - Detachable swivel fitting low pressure	. 2	ALL
-9	AN823-6D	Elbow - Flared tube and pipe thread 45°	. 1	ALL
-10	AN822-6D	Elbow - Flared tube and pipe thread 90°	. 1	ALL
-11 -12	AN822-4-4D 168-51801-33	Line Assy - Vacuum gyro hor indicator to suction gage	. 1	ALL
-13	AN6270-4-16	. Hose Assy - Detachable swivel fitting low pressure		ALL
-14	AN823-4D	Elbow - Flared tube and pipe thread 45°		ALL
-15	AN6270-6-13	. Hose Assy - Detachable swivel fitting low pressure	. 1	ALL
-16	AN823-6D	. Elbow - Flared tube and pipe thread 45°	. 1	ALL
-17	AN6270-6-16	. Hose Assy - Detachable swivel fitting low pressure	. 1	ALL
-18	AN822-6D	. Elbow - Flared tube and pipe thread 90°		ALL
-19	AN6270-4-13	. Hose Assy - Detachable swivel fitting low pressure	. 1	ALL
-20	AN823-4D	. Elbow - Flared tube and pipe thread 45°		ALL
-21 -22	AN6270-4-14 AN816-4D	. Hose Assy - Detachable swivel fitting low pressure		ALL
-23	AN3157-2	Light Assy - Press to test indicator		A16-G91
-23	ANJIJI-E	. Digit Rosy - fress to test indicator		H51-
	AN3157-2	. Light Assy - Press to test indicator	. 4	Z
-24	AN3157-4	. Light Assy - Press to test indicator		ALL
-25	AN3121-313	. Lamp - T3 1/4 Bulb single contact miniature bayonet base .	. 3	A16-G91
			-	H51-
	AN3121-313	. Lamp - T3 1/4 Bulb single contact miniature bayonet base .	. 5	A16-G91
-26	168-51314	Doorl Fuel convicing	. 1	H51- ALL
-27	168-51315	Decal - Fuel servicing		ALL
-28	168-51316	. Decal - Low fuel quantity right tank		ALL
-29	168-51317	. Decal - Indicator lights		ALL
-30	168-51318	. Decal - Marked beacon		ALL
-31	168-51319	. Decal - Instrument panel tail wheel unlock		ALL
-32	168-53026	. Holder - Radio facilities chart 1	. 1	A16-G91
	168-53029	. List - Pilot's check	. 1	H51-
-33	55-54053	Plate - Ignition switch indicator		ALL
-34	168-51006	. Cover - Instrument mounting hole (this provision is for		
		instl of GFP inst landing indicator type 1-101D)	. 1	A16-G91
	-606			H51-
	168-51006-3	. Cover - Instrument mounting hole (this provision is for	-	
-35	168-51022	instl of GFP inst landing indicator type 1-101D)		K, Z, U
-35	100-51022	. Indicator Assembly - Course complete	1	A16-G91 H51-
-36	168-51003	. Panel Assembly - Instrument	. 1	A16-G91
				H51-
	168-51003-10	. Panel Assembly - Instrument		Z
	168-51003-20	. Panel Assembly - Instrument		Z
	168-51003-30 168-53029-3	Panel Assembly - Instrument		K Z
-37	168-51008	. List - Pilot's check	1	ALL
-31	AN8008D10	Insulator - Vibration		ALL
	No Number	. Pilot's Instruments (see fig. 22 for detail breakdown)		ALL
-38	AN6270-4-12 1/2	. Hose Assy - Detachable swivel fitting lowepressure	2	ALL,*1
	AN822-4D	. Elbow - Flared tube and pipe thread 90°	1	ALL,*1
-39 -40	AN816-4D	. Nipple - Flared tube and pipe thread	. 1	ALL,*1

<sup>\*1</sup> Reworked per T. O. No. 01-60FFA-4

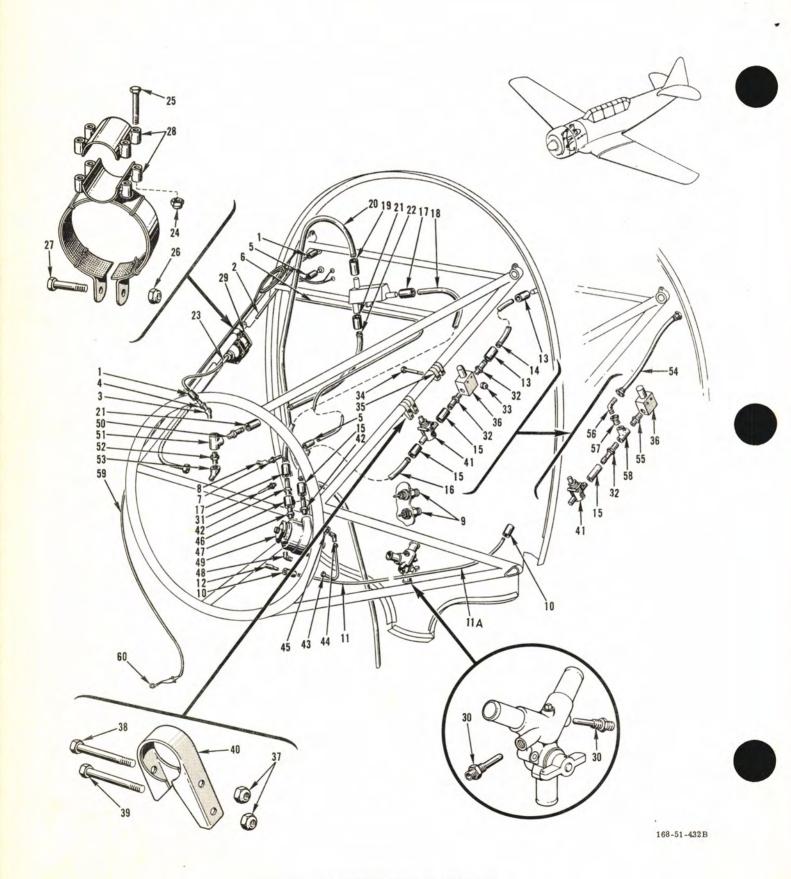


168-51-427A

FIGURE 22 - PILOT'S INSTRUMENTS

FIGURE &	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) Ammeter - Type F-1 (GFP) (Spec. No. 94-32284) (for a list	NP	ALL
-1	102491	of detail parts refer to AN 05-1-54) (WAH)	1	ALL
-2	AN5790-6 10283A	. Indicator Assy - Electrical resistance type thermometer single (GFP) for a list of detail parts refer to: AN 05-40B-5 (ELA)	2	ALL
	10498A 60014 60014A 110077 33204	. AN 05-40B-5 (ELA) . AN 05-40B-6 (HIE) . AN 05-40B-6 (HIE) . AN 05-40B-12 (WAH) . AN 05-40B-2 (ES)		
-3	35350	AN 05-40BA-2 (ES) AN 05-40BA-2 (ES) . Indicator Assy - Cylinder head temperature type B-9 (GFP) (Spec. No. 94-27928) for a list of detail parts		
	No Number 110430 17AT4B	refer to:	1	ALL

FIGURE & NDEX NUMBER	PART NUMBER	1	2 3	4	5 6	7	NOMENCLATURE		UNITS PER ASSY.	APPLICATION CODE
							FUSELAGE (Cont) PILOT'S INSTRUMENTS (C	Cont)		
22-4			Indi	cato	or Ass	y - titu	Electric tachometer type Ented) (GFP) (Spec. No. 94-2	El3 (type E9A may 27354) (for a list		
	On TI SADA			of	deta	il p	parts refer to:		. 1	ALL
	8DJ13ABN 8DJ13ABN24	:	: :		05-5 05-5					
	8DJ3ABN25			AN	V 05-5	-6 (	GE)			
	8DJ13ABN26 8DJ13ABN27				N 05-5					
		cat	or may							
-5 -6	AW1-7/8-32AF4		Gage	- 1	Absolu	te p	ressure manifold (UG)		. 1	ALL
-6	AN5736-1		Indi	cato	or Ass	у -	Gyro horizontal (GFP) (for	a list of		
	T95100			AN	V 05-2	ogri Ogri	s refer to:		. 1	ALL
	JG6500A			AN						
-7	AN5736-1A may be				n Agg		Poto of olimb tune go (GPF	1/0 11-		
-1			Indi	gl	-2796	7) (	Rate of climb type C2 (GFF for a list of detail parts	(Spec. No.	. 1	ALL
	1636-6A-A1			AN	1 05-2	0-17	(ECP)			KDD
	1636-6A-B1 1636-6H-B1						(ECP)			
	1636-6M-B1	:	: :				(ECP)			
	1636-6M-B2						(ECP)			
	No Number		:	AN	05-2	0-27	(KO)			
	1636-6A-B1	ubs	titute	d.	For a	115	t of detail parts refer to	•		
	1636-6н-В1						(ECP)			
-8	7.7.1.17			k -	Aircra	aft	type All (Spec. No. AN-C99	) or AN5743-1		
	1776						list of detail parts refe	r to:	. 1	ALL
	22809A		: :		05-3					
-9	AN5773-1 or -2						e with electric thermomete	r (GFP) for a		
	103004						ail parts refer to:		. 1	ALL
	10322A Type B8 (Spec. No	ò	4-2742	AN	1 05-7	DAA2	(ELA)			
-10	AN5819-3	. 9	Indi	cato	or - Ba	ank	and turn (GFP)		. 1	*1
	AN5820-1		Indi	cato	r - Ba	ank	and turn (GFP) and turn (GFP) (AN5820-2 m	ay be substituted	1) 1	ALL
-11			Acce	lerc	meter	- A	ircraft (GFP) for a list o	f detail		
	381803						to:	7060) (80)	. 1	ALL
	3415-2M-A	:	: :	AN	05-20	0-52	(AN5745-2A) (ECP)	(NO)		
-12			Indi	cato	or Ass;	y -	Directional gyro (GFP) (Sp			
	JH5500				or a 1:		of detail parts refer to:		. 1	ALL
	AN5735-1	:					(SPE)			
10	AN5735-2 or AN573		A may	be s	ubstit	tute	d			
-13			Alti				ure (GFP) for a list of de	tail parts	2	
	671K03						Type C12 (Spec. No. 94-27	957A) (KO)	. 1	ALL
	671BK03			AN	05-30	0-18	Type C12 (Spec. No. 94-27	957A) (KO)		
	671BK010 671BU010			AN	05-30	0-18	Type Cl2 (Spec. No. 94-27	957A) (KO)		
	371K05	:	: :	AN	05-30	)-18	Type C12 (Spec. No. 94-27	95(A) (KO)		
	671BK07			AN	05-30	0-18	Type C13 (Spec. No. 94-27 Type C16 (Spec. No. 94-27	386) (KO)		
	671BK011			AN	05-30	0-18	Type C16 (Spec. No. 94-27	386) (KO)		
	371K010 671CK010	•		AΝ	05-30	1-18	AN5760-1 or AN5760-1A (KO AN5760-2 or AN5760-2A (KO	}		
	671CKL010			AN	05-30	0-18	AN5760-2 or AN5760-3A (KO	\$		
-14	671CK018	6:		AN	05-30	)-18	AN5760-4 or AN5760-4A (KO			
-14	AN5/30-2A, 2B, or	OA	. Comp	ass	- Remo	ote	indicating magnetic (GFP) s refer to:	for a list of		ATT
	10061-1A-A1			AN	05-15	5-5	(ECP)		. 1	ALL
	10061-1D-A1			AN	05-15	5-5	(ECP)			
	10061-1E-A1 T95660	•			05-15		(ECP) (TEM)			
-15	586BK0110	:					Airspeed (GFP) type C14 (S	pec. No. 94-27952	)	
				fo	r a li	st	of detail parts refer to:	AN 05-10-21 (KO)	. 1	ALL
-16			Comp	ass	- Pilo	ot's	stand-by type B21 (GFP) (	Spec. No. 27471A)		
	814B			AN	05-15	-30	of detail parts refer to:		. 1	ALL
	814B02			AN	05-15	-30	(KO)			
	814BN5-02				05-15	-30	(KO)			
-17	AN5766-2 may be su No Number				- Radi	o t	ype 181A		1	Δ
	No Number		Comp	ass	- Radi	o t	vpe 1D20A/ARN6		. 1	K.Z.U
-18	Crok a De		Gage	- S	uction	1 (G)	FP) for a list of detail pa	arts refer to: .	. 1	ALL
	6704-185 AW1-7/8-21AK	٠		T.	0. 05-	80-	1 AN5771-5 (MMM) 1 AN5771-5 (UG)			
	6704-152			т.	0. 05-	80-	1 Type F4 (MMM)			
	18610			T.	0. 05-	-80-	1 Type F4 (MMM)			
	- 10									
-10	AW1-7/8-21Q						1 Type F4 (UG)	hua t d av		
-19	AW1-7/8-21Q 159-71051	:					l Type F4 (UG) dio compass indicator cali	bration	. 2	ALL



### Section II

MIAMI 48, FLA. AN 01-60FFA-4

### **Group Assembly Parts List**

	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		
	168-51040-100	(see figure 20 for next assembly)		A,Z
7	200 11 72	(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		ALL
-3 -4	AN915-1	. Elbow - External and internal pipe thread	. 1	ALL
-4	AN840-4	. Adapter - Hose to pipe thread	. 1	ALL
-5 -6	3H2-4-13	. Hose (NA)	. 2	ALL
-0	168-51801-72	. Line - Oil pressure engine to firewall instrument		ALL
-7 -8	58-51083	. Adapter - Hose to pipe thread	. 1	ALL
	88-51313	. Elbow - Engine oil pressure line connection	. 1	ALL
-9	AN5525-1	. Bulb - Electrical resistance type thermometer		
7.0	200 1 7 2	(-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		
224	369 53903 306	supersedes 168-51801-70 for future produrement)	. 1	ALL
-11A	168-51801-106	. Line - Fuel pressure hose connection to firewall tee		
		instrument (168-51801-106 together with 168-51801-104	200	
10	ANOLUL II 10	supersedes 168-51801-70 for future procurement)		ALL
-12	AN844-4-13	. Elbow - Pipe thread and hose 45°	. 2	ALL
-13	3H2-10-14	. Hose (NA)	. 2	ALL
-14	168-51801-38	. Line - Vacuum shut-off valve to firewall instrument	. 1	A,Z
3.5	182-51801-15	. Line - Vacuum shut-off valve to firewall instrument		K,U
-15	3H2-10-14	. Hose (NA)		ALL
-16	88-51876	. Line - Vacuum pump to vacuum relief valve vacuum		*1
2.0	168-51801-87	. Line Assembly - Vacuum pump to air filter		ALL
-17	3H2-10-14	. Hose (NA)		ALL
-18	88-51883	. Line - Oil separator to vacuum pump vacuum		ALL
-19	3H2-10-14	. Hose (NA)		ALL
-20	77-51801	. Line - Oil separator to drain vacuum		ALL
-21	3H2-8-13	. Hose (NA)		ALL
-22	88-51879	. Line - Oil separator to engine vacuum	. 1	ALL
-23	AN5533-5	. Shaft - Tachometer (GFP) (for a list of detail parts	2	477
-24	AN365-1032	refer to T.O. 05-5B-2)	: 1	ALL
-25		. Nut - Self locking 250° F	. 4	ALL
-26	AN3-11A AN365-428	Bolt - Aircraft 10-32	. 4	ALL
-27	AN4-11A	Nut - Self locking 250° F	. 1	ALL
-28	168-51047	Bracket Assembly - Tachometer generator support	. 1	ALL
-20	100-310-1	(supersedes 168-51045 and 168-51045-20)	. 1	ALL
-29	AN5531-2	. Generator Assembly - Electric indicator (GFP) (for a list o		ALL
-	111,0001 -	detail parts refer to T.O. 05-5B-3)		ALL
-30	AN5525-2	. Bulb - Electrical resistance type thermometer		ALL
3-		-70° C to plus 150°C (GFP)	. 2	ALL
-31	174N9OD	. Bulb - Dual carburetor air temperature (EDI)	. ī	ALL
-32	AN840-10D	. Adapter - Hose to pipe thread	. 2	ALL
-33	AN365-1032	. Nut - Self locking 250° F	2	ALL
-33 -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 -38	AN365-1032	. Nut - Self locking 250° F	. 4	ALL
-38	AN3-23A	. Bolt - Aircraft 10-32	. 2	ALL
-39 -40	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. 01-60F)	PA-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		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		
=6		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
-71	AN911-3D	. Nipple - Pipe thread	. 1	ALL
-52	AN915-3	. Elbow - Internal and external pipe thread 45°	. 1	ALL
-52 -53	168-51801-85	. Line Asssmbly - Air filter to bulkhead fitting at firewall	. 1	ALL,*
-52 -53 -54				
-52 -53 -54 -55	AN911-4D	. Nipple - Pipe thread	. 1	ALL,*
-52 -53 -54 -55 -56	AN911-4D AN822-6-6D	. Nipple - Pipe thread	. 1	ALL,*
-52 -53 -54 -55 -56 -57	AN911-4D AN822-6-6D AN912-4D	Nipple - Pipe thread	. 1	ALL,*
-52 -534 -556 -57 -58 -59	AN911-4D AN822-6-6D	. Nipple - Pipe thread	. 1	ALL,* ALL,* ALL,* ALL,*

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

AN 01-60FFA-4
FUSELAGE (Cont)

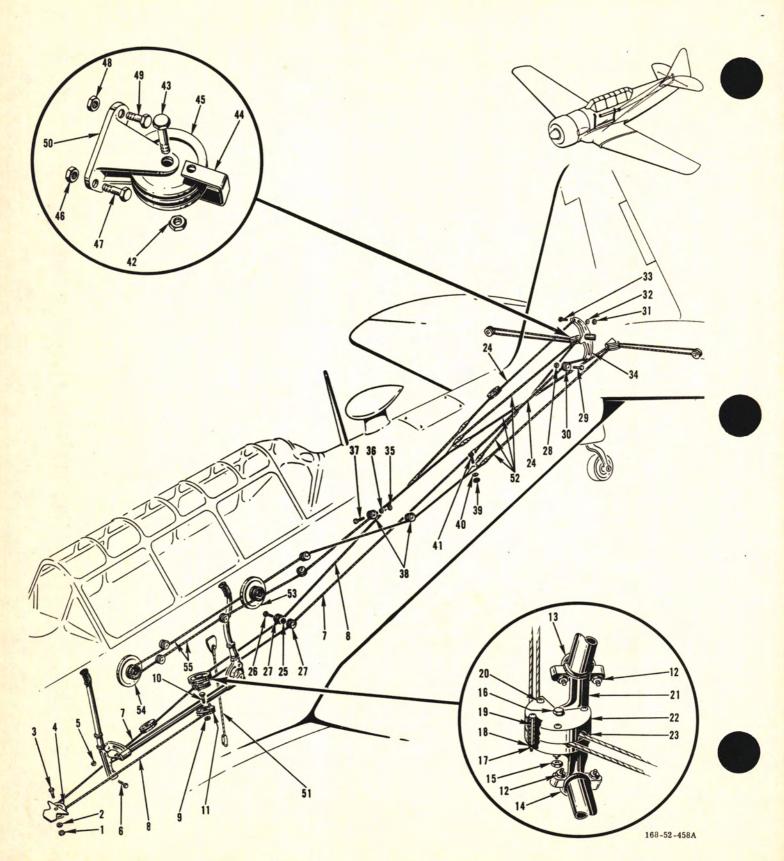


FIGURE 24 - SURFACE CONTROLS

### TRANS AMERICAN AVIATION CORP. P. O. 80X 755

MIAMI 48, FLA.

### Section\_II\_\_

AN 01-60FFA-4

### **Group Assembly Parts List**

FIGURE & INDEX 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			
	100-72031	for next assembly)		. NP	ALL
	No Number	. Control Stick and Lock Assembly (see figure 25 for detail breakdown)			ALL
	No Number	. Rudder and Rudder Trim Tab Controls (see figure 27 for detail breakdown)			ALL
-1	AN310-6	. Nut - Castellated airframe			ALL
-2	AN960-616	. Washer - Plain			ALL
-3	AN6-13	. Bolt - Aircraft 3/8-24		: 1	ALL
-3 -4 -5 -6	AN210-5A	. Pulley - Anti-friction bearing control		: ī	ALL
-5	AN320-3	. Nut - Castle shear			ALL
-6	AN23-13	. Bolt - Clevis 10-32		. 2	ALL
-7 -8	121-52217	. Cable Assembly - Elevator lower		. 1	ALL
-8	121-52218	. Cable Assembly - Elevator upper			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			ALL
-12	AN365-428	. Nut - Self locking			ALL
-13	5B6-24	. Bolt - U			ALL
-14	5B6-20	. Bolt - U			ALL
-15	AN310-4	. Nut - Castellated airframe		. 1	ALL
-16	AN4-17	. Bolt - Aircraft 1/4-28			ALL
-17	AN365-832	. Nut - Self locking			ALL
-18	AN960-416	. Washer - Plain			ALL
-19	4S3D8-45	. Spacer - Bolt			ALL
-20	AN520-10-12	. Screw - Round head machine fine thread		11	ALL
-21	55-52209	. Bracket - Fuselage station 5 elevator cable pulley			ALL
-22	55-52221	. Guard - Fuselage station 5 cable pulley upper		: i	ALL
-23	55-52222	. Guard Assembly - Fuselage station 5 cable pulley lower	•	: î	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		. î	ALL
-30	AN210-3A	. Pulley - Anti-friction bearing control		. î	ALL
-31	AN320-3	. Nut - Castle shear			ALL
-32	AN960-10	. Washer - Plain		. 2	ALL
-33	AN23-15	. Bolt - Clevis 10-32		. 2	ALL
-34	88-52205	. Horn Assembly - Elevator complete		. ī	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 -40	AN320-3	. Nut - Castle shear			ALL
	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			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
	55-52504	. Bracket - Elevator trim tab rear right pulley			ALL
-51	168-52612	. Cable Assembly - Flap position indicator			ALL
-52	66-52527	Cable and Drum Assembly - Elevator trim rear			Note:
-53	55-52515-3	Wheel Assembly - Elevator trim tab control		. Ref	
-54	55-52515-2	Wheel Assembly - Elevator trim tab control		. Ref	
-55	66-52528	Cable Assembly - Elevator trim tab control forward		. Ref	

AN 01-60FFA-4
FUSELAGE (Cont)

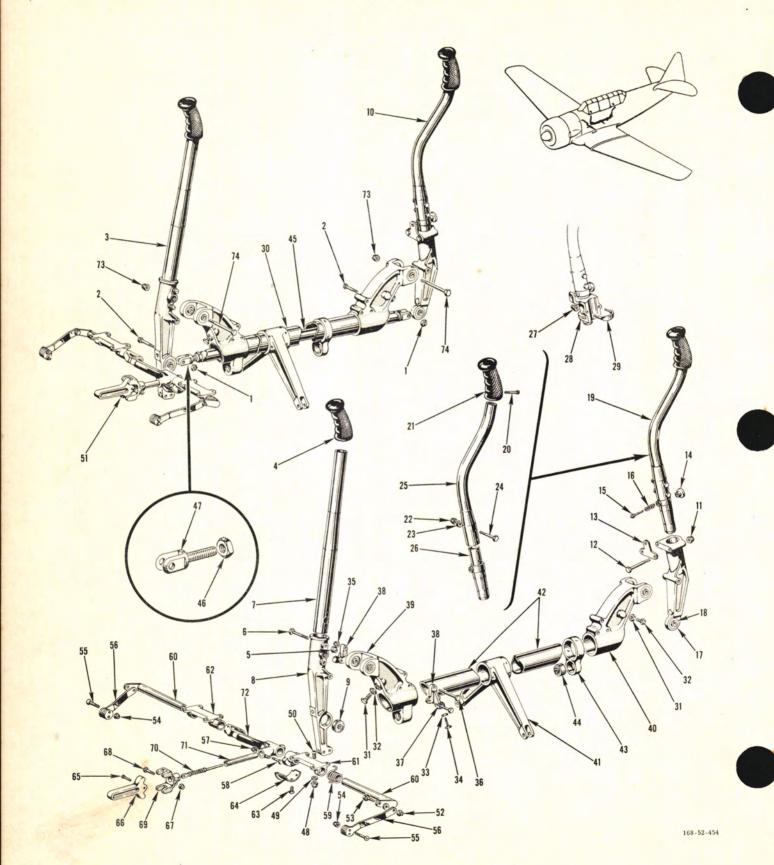


FIGURE - 25 CONTROL STICK AND LOCK ASSEMBLY

P. D. BOX 755

### **Group Assembly Parts List**

Section\_II\_

AN 01-60FFA-4 48, FLA.

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION
		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		ALL
-2	AN25-18	. Bolt - Clevis 5/16-24	. 2	ALL
-3	168-52103	. Stick Assembly - Front cockpit control (modification)		A -
	168-52103-10	. Stick Assembly - Front cockpit control (modification)		Z
-4	AN8003-1	Grip - Control stick pistol type	. 1	A -
-	No Number	Grip - Type B6 (Spec. 24901) (GFP)	. 1	Z
-5 -6	AN365-428	Nut - Self locking 250°F	. 2	ALL
	AN4-22A	Bolt - Aircraft 1/4-28	. 2	ALL
-7 -8	19-52113-4 52-52103	Stick - Cockpit control	. 1	ALL
-9	AN200K5	Socket Assembly - Front cockpit control stick	. 1	ALL
-10	168-52102	Bearing - Heavy duty ball	: 1	ALL
-11	AN365-1032	. Nut - Self locking	. 2	ALL
-12	AN3-21A	Bolt - Aircraft 10-32	. 2	ALL
-13	19A52122	Plate - Rear cockpit stick release	: 1	ALL
-14	19A52119	Knob - Rear cockpit stick release	: î	ALL
-15	19A52120	Plunger - Rear cockpit stick release		ALL
-16	19A52121	Spring - Rear cockpit stick release		ALL
-17	168-52104	Socket Assembly - Rear cockpit control stick	. 1	ALL
-18	AN200KP5	Bearing - Heavy duty ball	. 1	ALL
-19	168-52105	Stick Assembly - Rear cockpit control (modification)	. 1	ALL
-20	AN501-10-24	Screw - Fillister head fine thread		ALL
-21	AN8003-1	Grip - Control stick pistol type		ALL
-22 -23	AN365-1032	Nut - Self locking		ALL
-24	AN960D10 AN3-17A	Washer - Plain	. 2	ALL
-25	168-52106	Bolt - Aircraft 10-32	. 2	ALL
-26	19A52118	Stick - Rear cockpit control	: 1	ALL
-27	AN365-428	. Nut - Self locking	. 2	ALL
-28	77-52105	Bracket - Rear cockpit control stick stowage	. 1	ALL
-29	5B6-20	Bolt - U	. 1	ALL
-30	168-52111	. Tube Assy - Control stick aileron torque (modification)	. 1	ALL
-31	5B3-12	Bolt - Adjustment	. 2	ALL
-32	AN316-5R	Nut - Check	. 2	ALL
-33 -34	AN316-5R	Nut - Check	. 2	ALL
-34	5B3-14	. Bolt - Adjustment		ALL
-35 -36 -37	AN365-428	Nut - Self locking	. 3	ALL
-36	AN4-35A	Bolt - Aircraft 1/4-28	. 1	ALL
-31	AN4-31A	Bolt - Aircraft 1/4-28	. 2	ALL
-38	52-52107 88-52105	Stop - Control stick aileron torque tube	. 2	ALL
-39 -40	88-52105-2	. Fitting Assy - Control stick aileron torque tube front .		ALL
-41	88-52108	. Fitting Assy - Control stick aileron torque tube aft	. 1	ALL
-42	168-52111-3	Tube - Control stick alleron torque (modification)	: 1	ALL
-43	19-52107	Hinge - Stick control aileron torque tube	: 1	ALL
-44	AN200K5	Bearing - Heavy duty ball	. 1	ALL
-45	168-52112	. Tube Assy - Elevator control stick connecting (modification)	: i	ALL
-46	AN316-8R	Nut - Check	. 1	ALL
-47	52-52116	<ul> <li>Clevis - Elevator control stick connecting tube adjustabl</li> </ul>	e 1	ALL
-48	AN365-1032	. Nut - Self locking	. 8	ALL
-49	2W1-13-16-32	. Washer - Plain	. 8	ALL
-50	NAS221-16	. Screw - Brazier head Phillips recess alloy steel 10-32	. 8	ALL
-51	55-52118-2 AN310-3	. Lock Assembly - Surface controls	. 1	ALL
-52 -53 -54	AN23-10	Nut - Castellated airframe		ALL
-54	AN365-832	Bolt - Clevis 10-32	. 2	ALL
-55 -56 -57 -58	NAS220-14	Screw - Brazier head Phillips recess alloy steel 8-32 .		ALL
-56	19-52455	. Link - Rudder pedal lock	. 2	ALL
-57	AN365-428	. Nut - Self locking		ALL
-58	AN4-13A	Bolt - Aircraft 1/4-28	. 2	ALL
-59 -60	55-52119	Spring - Surface control lock	. 1	ALL
-60	19-52454	Lever Assembly - Rudder pedal lock	. 2	ALL
-61	19-52120	. Bearing - Control surface lock LH	. 1	ALL
-62	19-52121	. Bearing - Control surface lock RH	. 1	ALL
-63	AN501A416-8	Screw - Fillister head fine thread		ALL
-64	55-52126	. Plate Assembly - Control surface lock	. 1	ALL
	AN392-17	Pin - Flat head 1/8	. 1	ALL
-65	23-52123	Release - Control surface lock handle	. 1	ALL
-66		Nut - Self locking		ALL
-66 -67	AN365-1032	Bolt - Aircraft 10-32	. 1	ALL
-66 -67 -68	AN3-12A			
-66 -67 -68 -69	AN3-12A 23-52128	Fitting - Control surface handle release attaching	. 1	ALL
-66 -67 -68 -69 -70	AN3-12A 23-52128 23-52122	<ul> <li>Fitting - Control surface handle release attaching</li> <li>Plunger Assembly - Control surface lock</li> </ul>	. 1	ALL
-66 -67 -68 -69 -70 -71	AN3-12A 23-52128 23-52122 23-52124	<ul> <li>Fitting - Control surface handle release attaching</li> <li>Plunger Assembly - Control surface lock</li> <li>Handle - Control surface lock</li></ul>	. 1	ALL ALL
-66 -67 -68 -69 -70 -71	AN3-12A 23-52128 23-52122 23-52124 19-52119	. Fitting - Control surface handle release attaching	. 1	ALL
-66 -67 -68 -69 -70 -71	AN3-12A 23-52128 23-52122 23-52124	. Fitting - Control surface handle release attaching	: 1 : 1 : 1	ALL ALL ALL ALL
-66 -67 -68 -69 -70 -71	AN3-12A 23-52128 23-52122 23-52124 19-52119	. Fitting - Control surface handle release attaching	. 1 . 1 . 1 . 1	ALL ALL

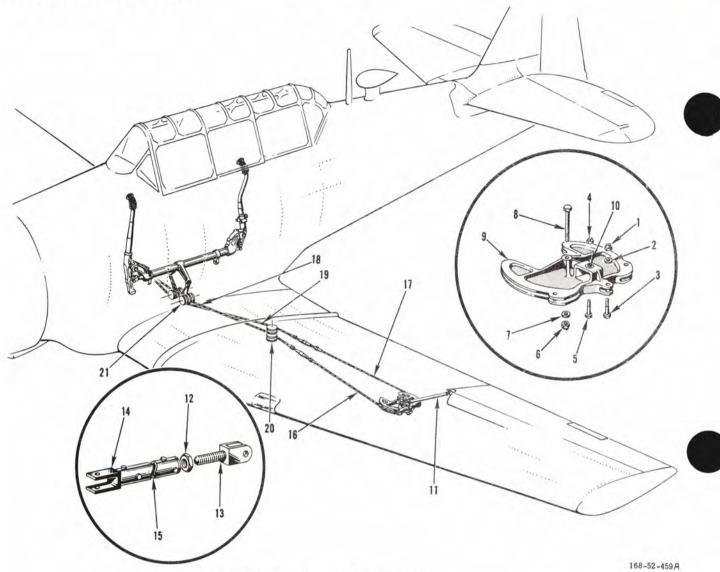


FIGURE - 26 AILERON CONTROLS

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
		FUSELAGE (Cont) AILERON CONTROLS		
26		Aileron Controls		
	No Number	. Outer Wing Aileron Control Equipment (see figure 3 for		1 404
		next assembly)	NP	ALL
-1	AN365-1032	Nut - Self locking	1	ALL
-2	AN960-10L	Washer - Plain	1	ALL
-3 -4	AN3-10A	Bolt - Aircraft 10-32	1	ALL
-4	AN310-4	Nut - Castellated airframe	1	ALL
-5 -6	AN4-11	Bolt - Aircraft 1/4-28	1	ALL
-6	AN310-4	Nut - Castellated airframe	1	ALL
-7 -8	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	AN2OOKS4	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		ALL
-14	88-52314	Clevis - Outer wing control		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
-11	No Number	. Wing Center Section Aileron Control Cables (see figure 6	1	ALL
	No Number	for next assembly)	NP	ALL
-18	121-52310	Cable Assembly - Wing center section aileron control front	111	ALL
-19	121-52311	Cable Assembly - Wing center section alteron control front Cable Assembly - Wing center section alteron control rear.	1	ALL
-20	AN210-3A	Duller And Printed bonding control Pear.	11	
		Pulley - Anti-friction bearing control	1	ALL
-21	AN210-4A	Pulley - Anti-friction bearing control	4	ALL

P. O. BOX 755 MIAMI 48, FLA. Section\_II

Group Assembly Parts List

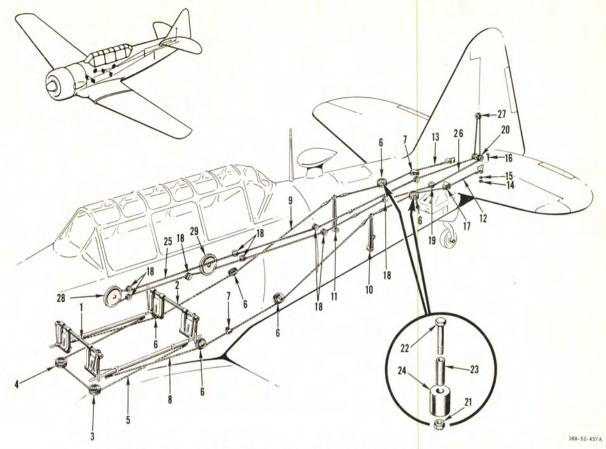


FIGURE -	27	RUDDER	AND	RUDDER	TRIM	TAB	CONTROLS
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FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION
		FUSELAGE (Cont) RUDDER AND RUDDER TRIM TAB CONTROLS		
27	No Number	Rudder and Rudder Trim Tab Controls (see figure 24 for next		
		assembly)	NP	ALL
-1	168-52403-3	assembly)	141	MILL
0	160 50100 5	ligure 20 for detail breakdown)	1	ALL
-2	168-52403-5	. redai Assembly - Cockpit rudder complete (rear ) (see		
-3	AN210-2A	figure 28 for detail breakdown)	1	ALL
-3		. Pulley - Anti-friction bearing control	1	ALL
10	55-52424	. Guard - Rudder pedal balance cable pulley LH	7	ALL
- 4	AN210-2A	. Pulley - Anti-friction bearing control	7	ALL
	55-52424	. Guard - Rudder pedal balance cable pulley RH	7	ALL
-5	88-52461	. Cable Assembly - Rudder balance	7	ALL
-6	AN210-3A	. Pulley - Anti-friction bearing control	6	ALL
-7	36-52448	. Clamp Assembly - Fuselage station 5 mudden daile fairlead	7	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	î	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	
-14	AN320-3	. Nut - Castle shear	1	ALL
-15	AN960-10	. Washer - Plain	2	ALL
-16	AN23-15			ALL
-17	19-34007	. Bolt - Clevis 10-32 . Spacer - Tail wheel cable pulley	5	ALL
-18	AN210-1A	Pulley - Anti-friction bearing control	2	ALL
-19	AN210-3A	Pullar Anti-frietion bearing control	9	ALL
-20	AN210-2A	. Pulley - Anti-friction bearing control	1	ALL
-21	AN310-3	Pulley - Anti-friction bearing control	2	ALL
-55	AN3-16	. Nut - Castellated airframe	2	ALL
-23	88-34157	. Bolt - Aircraft 10-32		ALL
-24		Spacer - Tail wheel steering cable front roller	2	ALL
	88-34156	. Roller - Tail wheel steering control cable front	2	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 surface 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	

AN 01-60FFA-4 FUSELAGE (Cont)

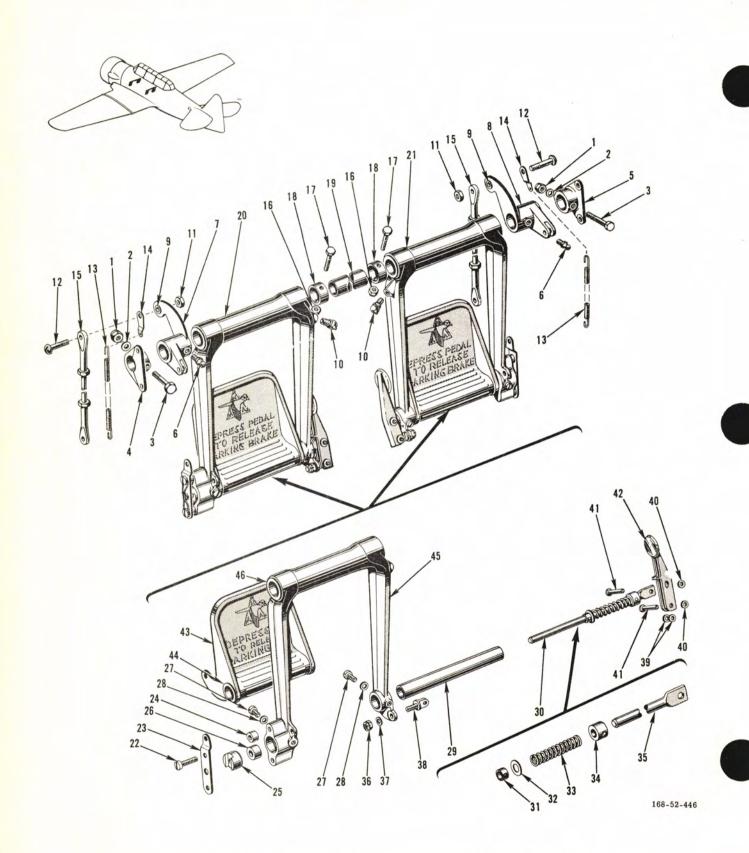


FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
		FUSELAGE (Cont) COMPLETE FRONT AND REAR COCKPIT RUDDER PEDAL ASSEMBLIES		
28	168-52403-3	Pedal Assembly - Cockpit rudder complete (front) (see figure 27		
20	100 )2.03 3	for next assembly)	Ref	ALL
	168-52403-5			ATT
3	MAGE HOR	for next assembly)		ALL
-1 -2	AN365-428 AN960-416	. Nut - Self locking		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 2	ALL
-6	36-52406 AN286-1	. Support - Rear cockpit rudder pedal (used on 168-52403-5) Fitting - Lubricator pressure grip type PT	2	ALL
-0 -7	168-52416-1	. Lever Assembly - Rudder pedal brake operating front cockpit	_	ALL
-1	100-)2+10-1	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	2	ATT
	369 50139 0	LH (modification)		ALL
	168-52418-2	. Lever Assembly - Rudder pedal brake operating rear cockpit RH (modification)		ALL
-9	4B19S4-006	Bushing - Press fit plain	1	ALL
-10	AN286-3	. Bushing - Press fit plain	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 -16	55-52428 AN365D428	Rod Assembly - Rudder pedal brake operating	2	ALL
-10 -17	AN4-17A	Bolt - Aircraft 1/4-28	2	ALL
-18	19-52450	Collan Pudden nedal enggen	2	ALL
-19	168-52406	Tube - Rudder pedal support (used on 58-52403-2) Tube - Rudder pedal support (used on 58-52403-3)	1	ALL
	168-52407	. Tube - Rudder pedal support (used on 58-52403-3)	1	ALL
-50	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	1	ALL
-23 -24	19-52437 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		ALL ALL
-29	19-52434	Tube - Rudder pedal cross	1	ALL
-30 -31	88-52423 19-52436	Collar - Rudder pedal adjustment plunger	1	ALL
-32	2W1AL21-22-64	Washer - Plain	1	ALL
-33	15-52414	Spring - Pilot's rudder pedal release		ALL
-33 -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 AN940-316	Bolt - 1/4-28 for 3/16 pin eye	2	ALL
-39 -40	AN960-10	. Washer - Plain	2	ALL
-41	AN393-19	Pin - Flat head 3/16	2	ALL
-42	19-52411	Leven - Rudden nedal adjustment	1	ALL
-43	73-52405	Pedal Assembly - Pilot's brake LH	. 1	ALL
1. 1.	73-52405-1	Pedal Assembly - Pilot's brake RH	1	ALL
-44 -45	15-52415	Bearing - Brake pedal		ALL
-45 -46	66-52404 15-52420	Bearing - Pilot's rudder pedal	2	ALL
-40	1)-92420	bearing - rivor b radder pedar	_	

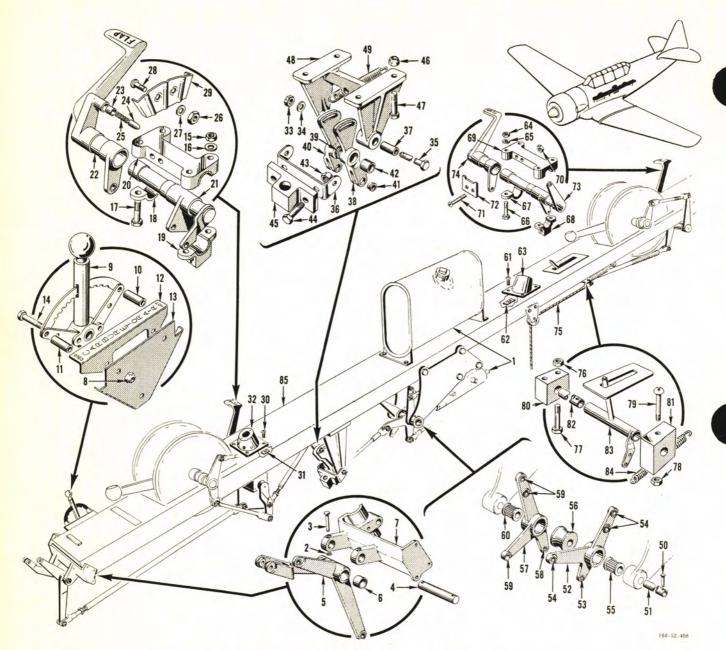


FIGURE - 29 COMPLETE CONTROLS SHELF ASSEMBLY

FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
								C	FUSELAGE (Cont) OMPLETE CONTROLS SHELF ASSEMBLY		
29	168-52506	Sh	elf	As	semb	oly	- (	Cont	trols complete (modification) (see	D 0	
	No Number		Cox	+ 1	Sur c	The I	) I	)I. I	next assembly)	Ref	ALL
			COL	ILI.	OT S	sneı	II	Link	kage (see figure 31 for detail breakdown)	NP	ALL
	No Number		Cor	itr	oT ?	shel	1. (	cont	trol Equipment (see figure 32 for		
			_		de	etai	1 1	orea	akdown)	NP	ALL
	No Number		Con	itro	21 5	shel	I :	rin	n Tab Cables and Pulleys (see figure 30		
					fo	or d	leta	111	breakdown)	NP	ALL
-1	No Number		Hyd	irai	ulio	Re	ser	cove	ir and Selector Valve Equipment (see		
					fi	lgur	e :	33 f	for detail breakdown)	NP	ALL
-2	AN960-6		Was	her		Pla	in			2	ALL
-3 -4	AN392-29		Pin	-	Fla	at h	ead	1 1/	/8	2	ALL
-4	36-33564		Sha	ft	- T	G 1	ock	00	ontrol rod bellcrank supporting	1	ALL
-5	36-33510		Be 1	101	ank	Λο	CAN	hla	y - Landing gear lock control rod	1	
-5 -6	B88P		Lei	Por	nin	, Ao	Or	LOTA	and models (mon)	1	ALL
7	36-33511	•	Ď	Dea	Tr.TI	IR -	. OI	en	end needle (TOR)	2	ALL
-1	20-22211		Bra	CKE	- J	- La	na	ng	gear lock control rod bellcrank	1	ALL

P. D. BOX 755 MIAMI 48, FLA.

### Section\_II\_

### AN 01-60FFA-4

### **Group Assembly Parts List**

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	PER ASSY.	CODE
		FUSELAGE (Cont) COMPLETE CONTROLS SHELF ASSEMBLY (Cont)		
29-8	AN365-1032	. Nut - Self locking 250° F	3	ALL
-9	19-43025 NAS43C3-28	Quadrant - Control (made from AN4010)	2	ALL
-10 -11	NAS43C3-20	Spacer - Bolt	1	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	4	ALL
-16	AN960-416	Washer - Plain		ALL
-17 -18	AN4-14A 55-52616	. Cap - Flap control and landing gear lever front bracket		
		right hearing	1	ALL
-19 -20	55-52626 168-52624	Bearing - Flap control and landing gear lever left front . 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 - Flan control front cockpit	1	ALL
-23	168-52620 168-52653	. Bushing - Flap control handle front cockpit	n) 1	ALL
-24 -25	168-52441	. Spring - Compression	1	ALL
-26	AN365-1032	Nut - Self locking 250° F	2	ALL
-27	AN960-416	Washer - Plain	2	ALL
-28 -29	AN507-1032R8 55-52628	Sector - Flan control front cockpit	. 1	ALL
-30	AN520-10R10	Screw - Machine coarse thread	. 4	ALL
-31	AN365-1032	. Nut - Self locking 250° F	. 4	ALL
-32 -33	36-48035 AN320-4	Nut - Castle shear	1	ALL
-34	2W1-24-24-20	Weehen - Plain (NA)	2	ALL
-35	. AN24-50	Bolt - Clevis 1/4-28	1	ALL
-36	168-48028 168-58614	Support - Fuel selector rod bearing		ALL
-37 -38	168-58612-1	Bellerank Assy - Hydraulic selector valve power control LH	1	ALL
-39	2W1-24-24-48	Monhon Plain (NA)	1	ALL
-40	168-58612-2	Bellcrank Assy - Hydraulic selector valve power control RH Bushing - Corrosive resistant	î	ALL
-41 -42	4B20S3-004 B610	Bearing - Open end needle (TOR)	1	ALL
-43	AN365-1032	Nut - Self locking 250° F	2	ALL
-44	AN3-5A	Bolt - Aircraft 10-32		ALL
-45 -46	168-48016 AN365-1032	. Nut - Self locking 250° F	4	ALL
-47	AN3-4A	P-1+ Managet 10 20	4	ALL
-48	168-58613	Bracket - Hydraulic selector valve power control bellcrank Spring - Pressure control return	1	ALL
-49 -50	55-58196 AN392-41	Pin Flat head 1/8	2	ALL
-51	54-58044	chaft tanding gear and flan selector valve control belice	ank 1	ALL
-52 -53 -54	168-58610	Bellcrank Assy - Hydraulic selector valve landing gear cont  . Bushing - Press fit plain (NA)	rol 1	ALL
-53	4B19S3-006 4B19S3-008	Bushing - Press fit plain (NA)	3	ALL
-55	B1212	Rearing - Open end needle (TOR)	1	ALL
-55 -56	54-58084	. Spacer - Landing gear and flap selector valve bellcrank	1	ALL
-57 -58	168-58611 4B19S3-006	Bellcrank Assembly - Hydraulic selector valve flap control Bushing - Press fit plain (NA)	. 1	ALL
-59	4B19S3-008	Rushing - Press III Diain (NA)		ALL
-60	B1212	Bearing - Open end needle (TOR)	. 1	ALL
-61 -62	AN520-10R8 AN365-1032	Screw - Machine coarse thread	4	ALL
-63	36-48036-2	Support Assembly - Rear cockpit fuel clock dial	1	ALL
-64	AN365-428	Nut - Self locking 250° F	. 4	ALL
-65 -66	AN960-416 AN4-14A	Washer - Plain	4	ALL
-67	55-52616-3	can - Flan control and landing gear lever front bracket		
		night hearing		ALL
-68	55-52626-3	Bearing - Flap control and landing gear lever left front Bracket - Flap control and landing gear lever	i	ALL
-69 -70	55-52614-3 AN365-832	Nut - Self locking 250° F		ALL
-71	AN509-8-11	Conew - Flat head structural	. 2	ALL
-72	168-52526	Fairlead - Elevator trim tab control cable	. 1	ALL
-73 -74	168-52613 168-52603	Handle Assembly - Flap control rear cockpit	. 1	ALL
-74 -75	168-52608	Cable Assembly - Flap position indicator aft		ALL
-76	AN365-1032	Nut - Self locking 250° F	. 2	ALL
-77	AN3-10A AN365-832	Nut - Self locking 250° F	. 1	ALL
-77 -78 -79	AN515-8-16	Saraw - Round head machine coarse thread		ALL
-80	36-33530-2	Bearing - Landing gear and flap position indicator arm shall bearing - Landing gear and flap position indicator arm shall be bearing - Landing gear and flap position indicator arm shall be bearing - Landing gear and flap	I.C. T	ALL
-81 -82	36-33530-3 36-33529	Shaft Assembly - Landing gear and flap position indicator as	r'm I	ALL
-83	168-52604	Arm Assembly - Flan position indicator pointer	. 1	ALL
-84	36-33531	coring - Landing gear and flap position indicator arm	. 1	ALL
-85	168-52505	Shelf Assembly - Control (modification)	. 1	AI

AN 01-60FFA-4 FUSELAGE (Cont)

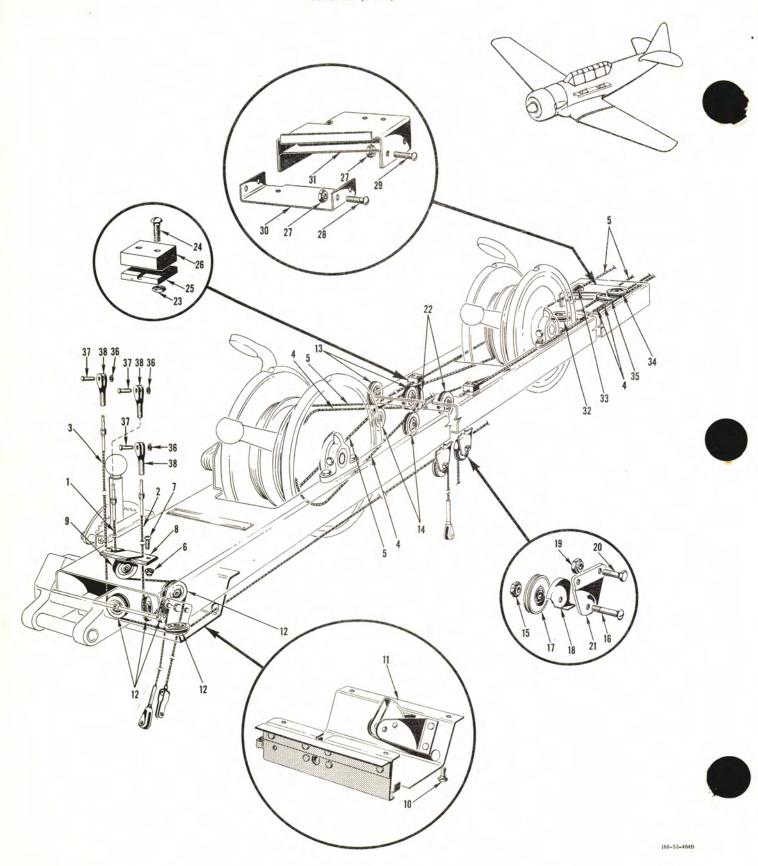


FIGURE 30 - CONTROL SHELF TRIM TAB CABLES AND PULLEYS

#### TRANS AMERICAN AVIATION CORP.

P. D. BOX 755

Section\_II

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Bolt - Clevis 10-32.
Bolt - Aircraft 10-32
Bracket Assembly - Alighting gear indicator cable pulley
Fulley - Anti-friction bearing control
Nut - Castle shear
Bolt - Clevis 10-32.
Fulley - Anti-friction

Bolt - Clevis 10-32
Fulley - Anti-friction bearing control
Nut - Castle shear
Bolt - Clevis 10-32
Pulley - Anti-friction bearing control
Nut - Castle shear
Bolt - Clevis 10-32
Nut - Castle shear

Nut - Castle shear Bolt - Clevis 10-32

Pulley - Anti-friction bearing control

Guard - 1 1/4 Diameter pulley (aft)

Guard - 1 1/4 Diameter pulley (forward)

Nut - Self locking 250°F

Bolt - Aircraft 10-32

Pulley - Anti-friction bearing control

Nut - Castle shear

Bolt - Clevis 10-32

Nut - Self locking 250°F

Screw - Round head machine coarse thread

Fairlead - Elevator and rudder trim tab cable

Fairlead - Elevator and rudder trim tab cable

Nut - Self locking 250°F

Screw - Round head machine coarse thread

tab pulley

Fulley - Anti-friction bearing control

Nut - Castle shear

Wesher - Plain (NA)

Bolt - Clevis 10-32

Pulley - Anti-friction bearing control

Pulley - Anti-friction bearing control
Nut - Castle shear
Bolt - Clevis 10-32
Pulley - Anti-friction bearing control
Nut - Castle shear
Washer - Plain
Bolt - Clevis 10-32
Spacer - Bolt (NA)
Pulley - Anti-friction bearing control
Nut - Castle shear
Bolt - Clevis 10-32
Washer - Plain

		AN 01-60MAM4 48, FLA. Group Assembly Parts Li
FIGURE &	PART NUMBER	UNITS APPLICATION 1 2 3 4 5 6 7 NOMENCLATURE PER ASSY. 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 1 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
-6	AN 365-832	. Nut - Self locking 250°F
-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
- 3	AN 320-3	Nut - Castle shear
	AN23-11	Bolt - Clevis 10-32
-10	AN3-3A	Bolt - direraft 10-32 4 ALL
-1()	HIV 7 - 7H	. DUIL - AIRCRAID IU-76

-10

-12

-13

-14

-18

-20

-22

-28

-29

-30

-32

-33

-34

-35

-37

AN3-3A 168-33538

AN210-1A

AN210-1A

AN320-3

AN210-1A

AN320-3 AN23-16

AN320-3

AN23-12

AN210-1A 19-53906-2 19-53906-3

AN365-1032 AN3-4A

36-52627

AN210-1A

AN320-3

AN365-832

AN515-8-20

36-52521-2 36-52521-3 AN 365-832

AN515-8-8

AN515-8-7

AN210-1A

AN 320-3 2W1-12-10-31

AN23-11

AN210-1A

AN 320-3 AN23-11

AN210-1A

AN960-10

4S3D10-10

AN210-1A

AN960-10

AN393-11 AN665-21R

AN320-3

AN23-16

AN320-3

55-52546

AN23-14

AN23-14

:

.

.

:

AN320-3

AN23-9

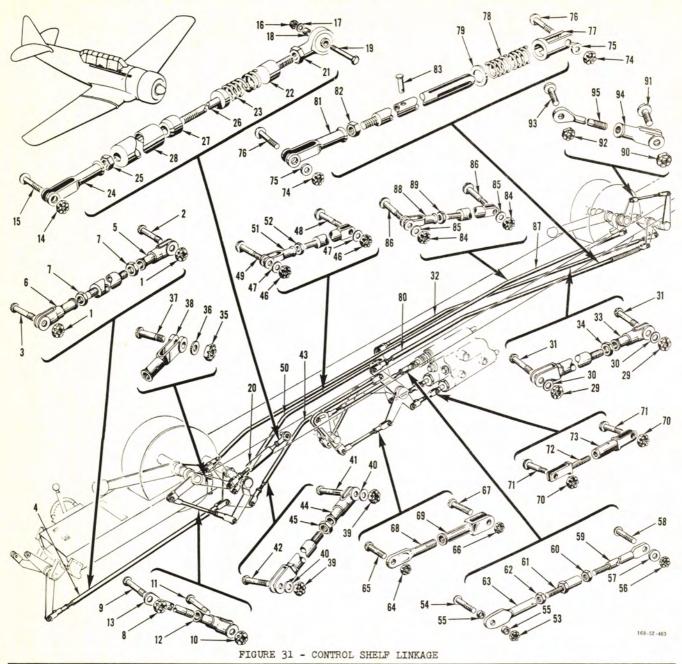


FIGURE & PART UNITS APPLICATION INDEX NUMBER NUMBER NOMENCLATURE PER ASSY CODE FUSELAGE (Cont) CONTROL SHELF LINKAGE No Number Control Shelf Linkage (see figure 29 for next assembly) 31 AN320-4 ALL -2 AN24-12 ALL AN24-9 88-33516 AN486-1 -3 -4 ALL ALL -5 -6 -7 -8 ALL AN486-2 ALL AN316-4R ALL AN320-3 ALL -9 -10 -11 AN23-14 ALL Nut - Castle shear . . Bolt - Clevis 1/4-28 . AN320-4 AN24-10 ALL AN486-2 168-58014-7 ALL AN320-3 ALL Nut - Castle Shear

Bolt - Clevis 10-32

Nut - Self locking 250°F

Washer - Plain AN23-9 AN365-428 AN960D416 -15 -16 ALL ALL -17 ALI.

FIGURE &	PART NUMBER	1	2 3	4	5	6 7		NOMENCLATURE		UNITS PER ASSY.	APPLICATION
							CON	FUSELAGE (Cont)	ont)		
31-18	NAS43DD4-2+		Space	r -	Bolt.					. 1	ALL
-19	AN4-14A		Bolt	- A1	rera	ft 1	/4-28			. 1	ALL
-20	168-33548		Bunge	e As	взу -	Alig	ghting	gear front cockpit c	ontrol handle	. 1	ALL
-21	RE4F5		. Ro	d Er	nd (F	AF)				. 1	ALL
-22	168-33529		. En	id -	Alig	hting	g gear	front cockpit connec	t handle bungee .	. 1	ALL
-23	160-31875 AN486-2							ing panel mechanism b			ALL
-25	AN 316-4R	•						usoning		_	ALL
-26	160-31859		. Ro	d -	Cano	DV S	liding	panel mechanism bung	ee		ALL
-27	160-31862		. Be	arir	ng -	Canor	oy sli	ding panel mechanism	bungee	. 1	ALL
-28	168-33548-3							ing gear front cockpi			ALL
-29	AN320-4		Nut -	Cas	stle	shear				2	ALL
-30	AN960-416L		Washe								ALL ALL
-31 -32	AN24-13 168-48030		Bolt A	- 01	He	nd fo	iel ni	ump control rear (modi	fication)		ALL
-33	AN 486-1							justing			ALL
-34	AN 316-4R		Nı	it -	Chec	k .				1	ALL
-35	AN320-4										ALL
-36	AN960-416L		Washe	r -	Plai	n o				1	ALL
-37	AN24-13		Bolt	- C]	evis	1/4.	-28			. 1	ALL
-38 -39	AN 486-1 AN 320-4		Clevi	S -	Rod	end a	adjust	ing		1	ALL
-40	AN960-416L		Washe			allear				. 2	ALL
-41	AN24-10		Bolt	- CI	evis	1/4.	-28			. 1	ALL
-42	AN24-13		Bolt	- C]	evis	1/4.	-28 .			1	ALL
-43	88-33590							gear selector valve c			ALL
- 44	AN486-2							justing			ALL
-45 -46	AN316-4R AN320-4										ALL
-40	AN960-416L		Washe								ALL
-48	AN24-10		Bolt	- C1	evis	1/4.	-28			1	ALL
-49	AN24-13		Bolt	- CI	evis	1/4.	-28	ng flap selector valv		1	ALL
-50	168-58022		Rod A	ssy	- Ну	drau	lic wi	ng flap selector valv	e control (mod) .	1	ALL
-51	AN 486-2							justing			ALL
-52	AN316-4R	•									ALL ALL
-53 -54	AN320-3 AN23-13		Nut -							-	ALL
-55	4B21S3-006										ALL
-56	AN320-3										ALL
-57	2W1-16-16-28		Washe	r -	Plai	n.				1	ALL
-58	AN23-10		Bolt	- C	levis	10-	32		· /: cò : o: : · · ·	1	ALL
-59	168-58023		Rod -	Нус	iraul	ic pr	ressur	e control valve (mod)	(168-58023	1	ALL
-60	AN316-4L		Nut -					3-58015 supersede 168-			ALL
-61	168-58015							selector valve timing			7122
	200 )002)			roc	adj	ustme	ent (]	168-58015 together wit	h 168-58023		
								018)			ALL
-62	AN316-4R		Nut -	Che	eck	. :				1	ALL
-63 -64	168-58019 AN320-3							essure control valve			ALL
-65	AN23-14										ALL
-66	AN320-4										ALL
-67	AN24-12		Bolt	- C	levis	1/4.	-28			2	ALL
-68	168-58014-5							ve power bellcrank act			ALL
	168-58014-3							e power bellcrank act			ALL
-69 -70	AN 486-1 AN 310-3							ing			ALL
-71	AN23-11										ALL
-72	168-33543		Link	- A	ight	ing	gear s	selector valve control	adjustment forwa	ard 2	ALL
-73	168-33544		Link	- A	light	ing &	gear s	selector valve control	adjustment aft .	2	ALL
-74	AN320-4		Nut -	Cas	stle	shear	· .			2	ALL
-75 -76	AN960-416L AN24-13		Washe	r -	Plai	n /)i	38			. 2	ALL
	88-58301		Sleet	- 0.	Hydr	81111	land	ing gear rear cockpit	control rod	: 1	ALL
-77 -78	88-58302		Sprin	ig -	Hydr	auli	c land	ling gear rear cockpit	control rod	1	ALL
-79	2W1-34-28-50		Washe	r -	Plai	n.				1	ALL
-80	88-58314		Rod A					ic landing gear and fl		,	ATT
-81	ANDIOC 7		0.3					it control justing			ALL
-82	AN 486-1 AN 316-4R	٠									ALL
-83	AN 392-17		Pi	n -	Flat	head	1 1/8			î	ALL
-84	AN320-4		Nut -	Cas	tle	shear	r			2	ALL
-85	AN960-416L		Washe	m -	Plai	n.				2	ALL
-86	AN24-13		Bolt	- C	levis	1/4	-28		1	2	ALL
-87	88-58182	•	Rod A	ssy	- Hy	drau.	lic fi	lap selector valve res	r cockpit control	1 . 1	ALL
-88 -89	AN 486-1 AN 316-4R		. C]	ev18	Choo	od er	na ad;	justing		: 1	ALL
-89 -90	AN320-4R	•	Nut	Cas	stle	sheer					ALL
-91	AN24-12	•	Bolt	- C	levis	1/4	-28				ALL
-92	AN320-3		Nut -	Cas	stle	shear	r .			1	ALL
-93	AN23-14		Bolt	- C:	levis	10-	32 .			1	ALL
-94	AN486-1		Clevi	.s -	Kod	end t	adjust	ing	nk actuating	: : 1	ALL
-95	168-58014-7		Rod -	пус	ir aul	TC 36	erec r	or varve bower, pericus	accuating .		PULL

AN 01-60FFA-4 FUSELAGE (Cont)

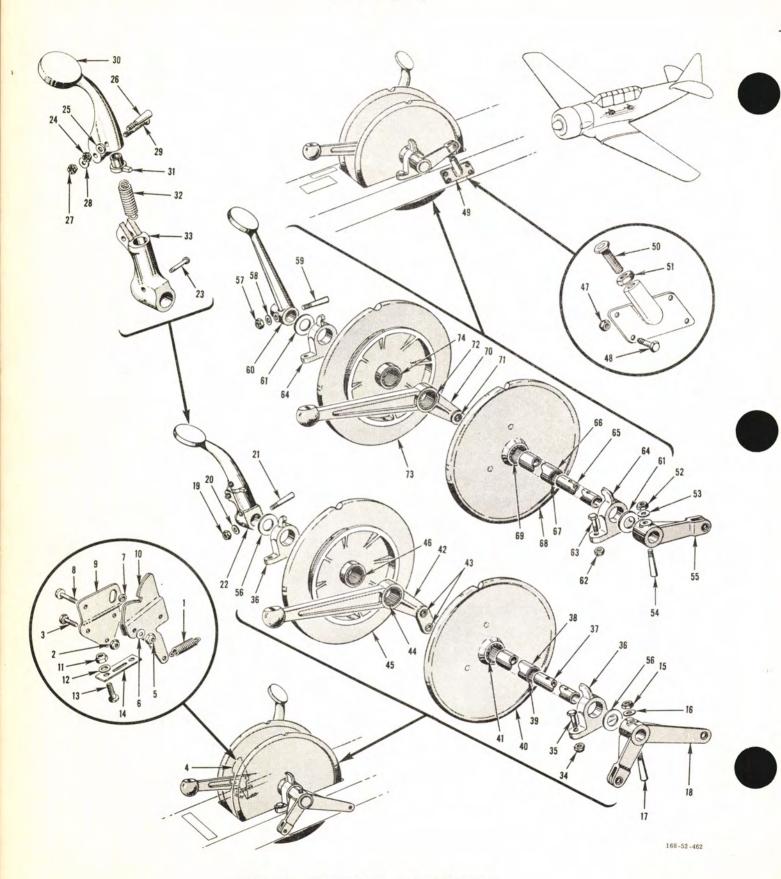


FIGURE - 32 CONTROL SHELF CONTROL EQUIPMENT

P. D. BOX 755 MIAMI 48, FLA.

Section\_II

AN 01-60FFA-4

NO. Number	NP	ALL ALL ALL ALL ALL ALL
No Number   Control Shelf Control Equipment (see figure 29 for next assy)	1 3 3 1	ALL ALL ALL ALL
1	1 3 3 1	ALL ALL ALL ALL
ANS.	3 3 1	ALL ALL ALL
168_35353   Sector Assy - Alighting gear cockpit control complete	3	ALL
168.35535   Sector Assy - Alighting gear cockpit control complete	1	ALL
-5 AN965-1032	1	AT.T.
Amy		
NAS221-10	1	ALL
168-335505   Support - Alighting gear cockpit control sector	1	ALL
10	1	ALL
-11 AN365-632 Nut - Self locking 250°F -12 AN960-6 -13 AN915-688 Screw - Round head machine coarse thread -14 168-33537 Strip - Alighting gear cockpit control sector guide -15 AN364-1032 Nut - Self locking thin 250°F -16 AN975-3 Washer - Taper pin -17 AN386-1-8 Pin - Threaded taper -18 168-33506 Bellcrank Assy Lending gear cockpit control handle operating -19 AN364-1032 Nut - Self locking thin 250°F -20 AN975-3 Washer - Taper pin -21 AN386-1-8 Pin - Threaded taper -22 168-33502 Handle Assembly - Alighting gear control front cockpit -23 AN392-31 Pin - Flat head 1/8 -24 AN320-3 Nut - Castle shear -25 AN975-3 Washer - Taper pin -26 AN386-1-8 Pin - Threaded taper -27 AN320-3 Nut - Castle shear -28 AN960-10 Washer - Flath -29 AN23-23 Bolt - Clevis 10-32 -30 168-33501 Grip - Landing gear control handle front cockpit -31 168-33511 Key Assembly - Alighting gear control front cockpit -32 168-33503 Socket - Landing gear cockpit control handle front -34 AN365-1032 Bolt - Clevis 10-32 -35 AN3-5A Bolt - Alighting gear control handle front -36 36-52507-2 Block - Control quadrant shaft support -37 168-33508 Shaft - Alighting gear control handle -38 Blo8 -39 Blo9 -30 Blo	1	ALL
12	2	ALL
13	4	ALL
15	2	ALL
ANS65-108	1	ALL
17	1	ALL
18	1	ALL
19	1	ALL
AN975-3	1	ALL
21	1	ALL
Pin - Flat head 1/8   Nut - Castle shear	1	ALL
Nut - Castle shear   Nut - Castle shear    -25	1	ALL
AN   AN   AN   AN   AN   AN   AN   AN	1	ALL
26	1	ALL
-27 AN320-3	1	ALL
AN960-10	1	ALL
168-33504   Grip - Landing gear control handle front cockpit	1	ALL
168-33511   Key Assembly - Alighting gear control front cockpit (supersedes 88-33543)   Spring - Tension   Socket - Landing gear cockpit control handle front   An365-1032   Nut - Self locking 250°F   Socket - Landing gear cockpit control handle front   An365-1032   Nut - Self locking 250°F   Socket - Landing gear cockpit control handle front   An365-1032   Socket - Landing gear cockpit control handle front   An365-1032   Socket - Landing gear cockpit control handle front   Socket - Landing gear cockpit control   Socket - Landing gear cockp	1	ALL
(supersedes 88-33545)  -32	1	ALL
168-33549   Spring - Tension   Socket - Landing gear cockpit control handle front	1	ALL
Socket - Landing gear cockpit control handle front	1	ALL
-34 AN365-1032 Nut - Self locking 250°F -35 AN3-5A Bolt - Aircraft 10-32	1	ALL
-35 AN3-5A Bolt - Aircraft 10-3236 36-52507-2 Block - Control quadrant shaft support37 168-33508 Shaft - Alighting gear control handle38 168-52508 Shaft Assembly - Trim tab control wheel39 Blo8 Bearing - Open end needle (TOR)40 55-52519-2 Wheel Assembly - Rudder trim tab front control41 Bl616F Bearing - Open end needle (TOR)42 168-48010-3 Handle Assembly - Fuel pump43 4B160P4-8 Bushing44 Bl616 Bearing - Open end needle (TOR)45 55-52515-2 Wheel Assembly - Elevator trim tab control46 Bl616P Bearing - Open end needle (TOR)47 AN365-1032 Nut - Self locking 250°F48 AN3-44 Bolt - Aircraft 10-32	4	ALL
168-33508	4 2	ALL
168-52508   Shaft Assembly - Trim tab control wheel	1	ALL
Bio8   Bearing - Open end needle (TOR)	1	ALL
-40 55-52519-2 Wheel Assembly - Rudder trim tab front control -41 B1616P Bearing - Open end needle (TOR) -42 168-48010-3 Handle Assembly - Fuel pump -43 4B16CP4-8 Bushing Bearing - Open end needle (TOR) -44 B1616 Bearing - Open end needle (TOR) -45 55-52515-2 Wheel Assembly - Elevator trim tab control -46 B1616P Bearing - Open end needle (TOR) -47 AN365-1032 Nut - Self locking 250°F -48 AN3-4A Bolt - Aircraft 10-32	2	ALL
-41 B1616P . Bearing - Open end needle (TOR) -142 168-48010-3 . Handle Assembly - Fuel pump	1	ALL
-42 168-48010-3	1	ALL
-44 B1616 . Bearing - Open end needle (TOR)	1	ALL
-45 55-52515-2 Wheel Assembly - Elevator trim tab control	2	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
ho 168-33532 Ston Assy - Alighting gear rear cockpit control handle	7†	ALL
100-7777F	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 Nut - Self locking thin 250°F	1	ALL
-53 AN975-3 . Washer - Taper pin	1	ALL
-55 168-33507 Bellcrank Assembly - Alighting gear rear cockpit control		
handle operating	1	ALL
-56 2W1-40-40-64 . Washer - Plain	2	ALL
-57 AN364-1032 . Nut - Self locking thin 250°F	1	ALL
-58 AN975-3 Washer - Taper pin	1	ALL
-59 AN386-1-8 . Pin - Threaded taper	1	ALL
61 2W1 lin lin-6li Washen - Plain	2	ALL
-62 AN 365-1032 . Nut - Self locking 250°F	14	ALL
-63 AN3-5A . Bolt - Aircraft 10-32	4	ALL
-64 36-52507-3 . Block - Control quadrant shaft support	2	ALL
-65 168-33508 Shaft - Alighting gear control handle	1	ALL
-66 168-52508 . Shaft Assembly - Trim tab control wheel	2	ALL
-68 55-52510-3 Wheel Assembly - Rudder trim tab rear control	1	ALL
-69 B1616P Bearing - Open end needle (TOR)	1	ALL
-70 168-48010-5 Handle Assembly - Fuel pump	1	ALL
-71 4B16CP4-8 Bushing	1	ALL
-72 B1616 . Bearing - Open end needle (TOR)	1	ALL
-73 55-52515-3 . Wheel Assembly - Elevator trim tab control	1	ALL

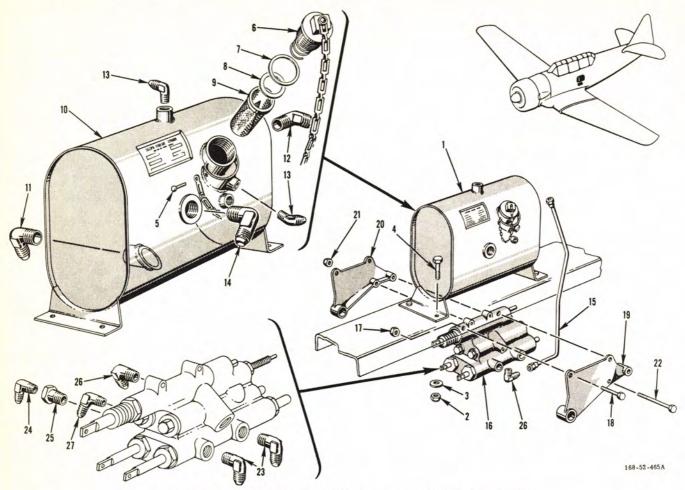
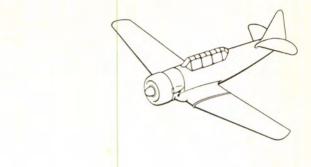


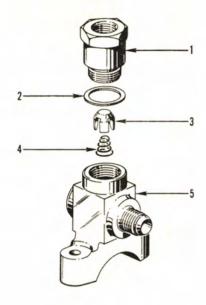
FIGURE 33 - HYDRAULIC RESERVOIR AND SELECTOR VALVE EQUIPMENT

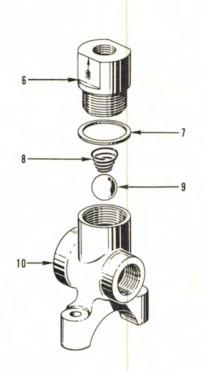
FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
		FUSELAGE (Cont) HYDRAULIC RESERVOIR AND SELECTOR VALVE EQUIPMENT		
33	No Number	Hydraulic Reservoir and Selector Valve Equipment		
		(see figure 35 and figure 29 for next assembly)		ALL
-1	121-58025 ATTACHIN	Reservoir Assembly - Hydraulic fluid	1	ALL
-2	AN365-1032	. Nut - Self locking 250°F	. 4	ALL
-3	2W1-14-20-63	Washer - Plain (NA)	. 4	ALL
-4	AN3-4A	Washer - Plain (NA)	4	ALL
	55-58051	Reservoir Assembly - Hydraulic fluid	. 1	ALL
-5 -6	AN530-6-6	Screw - Sheet metal round head	. 1	ALL
-6	36-58053	Plug Assembly - Hydraulic fluid reservoir filler	. 1	ALL
-7	AN900-20	Gasket - Copper asbestos annular	. 1	ALL
-8	2W1B48-36-64	Washer - Plain		ALL
-9	26-58080	Strainer Assembly - Hydraulic system reservoir		ALL
-10	55-58116	Tank Assembly - Hydraulic system reservoir		ALL
-11	811CT8	. Fitting - Solderless		ALL
-12	811CT6	. Fitting - Solderless		ALL
-13	811CT4	. Fitting - Solderless		ALL
-14	811CT10	. Fitting - Solderless		ALL
-15	168-58801-19	. Line Assy - Hydraulic valve assembly to reservoir return .	ī	ALL
-16	88-58011-10	. Valve Assy - Hydraulic landing gear and flap selector		ALL
-10	ATTACHIN	PARTS		KDD
-17	AN365-428	. Nut - Self locking 250°F	. 4	ALL
-18	AN4-5A	. Bolt - Aircraft 1/4-28	. 4	ALL
-19	66-58206	. Bracket - Landing gear & flap selector valve support outbd	. 1	ALL
-20	55-58160	. Bracket - Landing gear & flap selector valve support inbd	. 1	ALL
-21	AN365-1032	. Nut - Self locking 250°F	. 2	ALL
-22	AN3-40A	. Bolt - Aircraft 10-32	2	ALL
-23	811CT6	. Fitting - Solderless	. 2	ALL
-24	811CT5	Fitting - Solderless	. 2	ALL
-25	AN912-1	. Bushing - Reducer	. 2	ALL
-26	811CT6	. Fitting - Solderless	. 2	ALL
-27	811075	Fitting - Solderless		AT.T.

P. O. BOX 755 MIAMI 48, FLA. AN 01-60FFA-4

#### Section\_\_\_\_\_ Group Assembly Parts List







168-58-1394

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

FIGURE &	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 ASS	EMBLIES	
34	77-58175	Hydraulic Engine Pump Pressure and Suction Disconnect Block Assemblies . Block Assembly - Hydraulic engine pump pressure line		
	11-30113	disconnect (see figure 36 for next assembly)	Ref	ALL
-1	77-58208	Seat - Hydraulic check small valve		ALL
	2W1K42-28-18	Washer - Plain		ALL
-3	77-58209	Valve - Hydraulic check small		ALL
-2 -3 -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 -8	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		ALL
-10	77-58180	Block - Hydraulic engine pump suction line disconnect .	. 1	ALL

AN 01-60FFA-4 FUSELAGE (Cont)

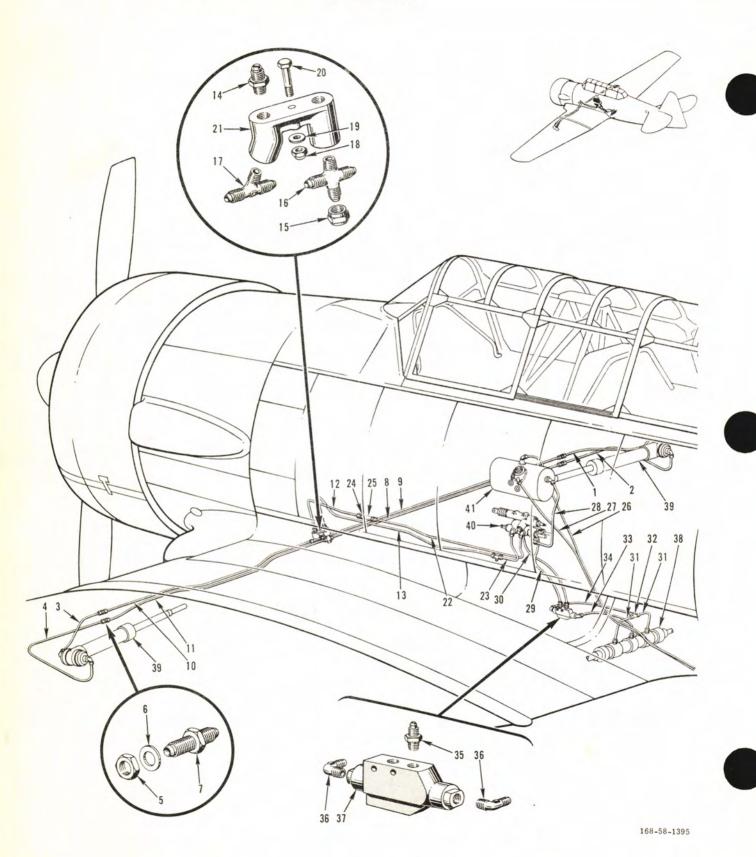


FIGURE - 35 HYDRAULIC EQUIPMENT

MIAMI 48, FLA.

## Section\_II\_

AN 01-60FFA-4

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	PER ASSY.	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)		ALL
-1	55-58531	Line Assembly - Hydraulic union to right landing gear operating strut up		ALL
-2	55-58525	Line Assembly - Hydraulic union to right landing gear operating strut down		ALL
-3	55-58523	Line Assembly - Hydraulic union to left landing gear operating strut down		ALL
-4	55-58529	Line Assembly - Hydraulic union to left landing gear operating strut up		ALL
-	11 1020 1 F	. Lock Nut (PA)		ALL
-5 -6	11-1039-1-5	. Washer - Plain (NA)		ALL
	2W1-37-32-4			ALL
-7 -8	3115-1HT6 77-58524	. Fitting - Bulkhead union	. 4	
		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		ALL
-11	77-58528	. Line Assembly - Hydraulic inboard port wing block to lower		ALL
-12	168-58801-33	union landing gear up		
		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	6FNT	. Fitting - Cap (PA)	. 1	ALL
-16	6KST	Fitting - Cross (PA)	. 1	ALL
-17	811ST6	Pitting Tee		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
-55	168-58801-37	*1 . Line Assembly - Gear up port selector valve to restrictor		
-23	77-58520	valve		ALL
		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		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		7.5.5
		port down		ALL
-32	811JTS	. Fitting - Tee	. 1	ALL
-33 -34	72-58510 72-58508	<ul> <li>Line Assembly - Hydraulic reservoir to upper tee pump</li> <li>Line Assembly - Hydraulic front port ratchet valve to</li> </ul>	. 1	ALL
3.	1 - 70,00	tee flap down	. 1	ALL
-35	811FT	. Fitting - Nipple		ALL
-36	811CT5	. Fitting - Elbow 90°	. 2	ALL
-37	88-58070	. Valve Assembly - Hydraulic wing flap ratchet		ALL
	No Number	. Hydraulic Reservoir & Selector Valve Fittings (see	MD	ATT
- 0	0	figure 33 for detail breakdown)		ALL
-38	55-58032	Strut Assembly - Hydraulic wing flap operating	. Rei	
-39	66-58026-2	Strut Assembly - Hydraulic landing gear operating	. Ref	
-40	88-58011-10	Valve Assembly - Hydraulic landing gear and flap selector	. Ref	
	121-58025	Reservoir Assembly - Hydraulic fluid	. 1	
-41	151-70057	Reservoir Assembly - Hydrautic ridia		

AN 01-60FFA-4
FUSELAGE (Cont)

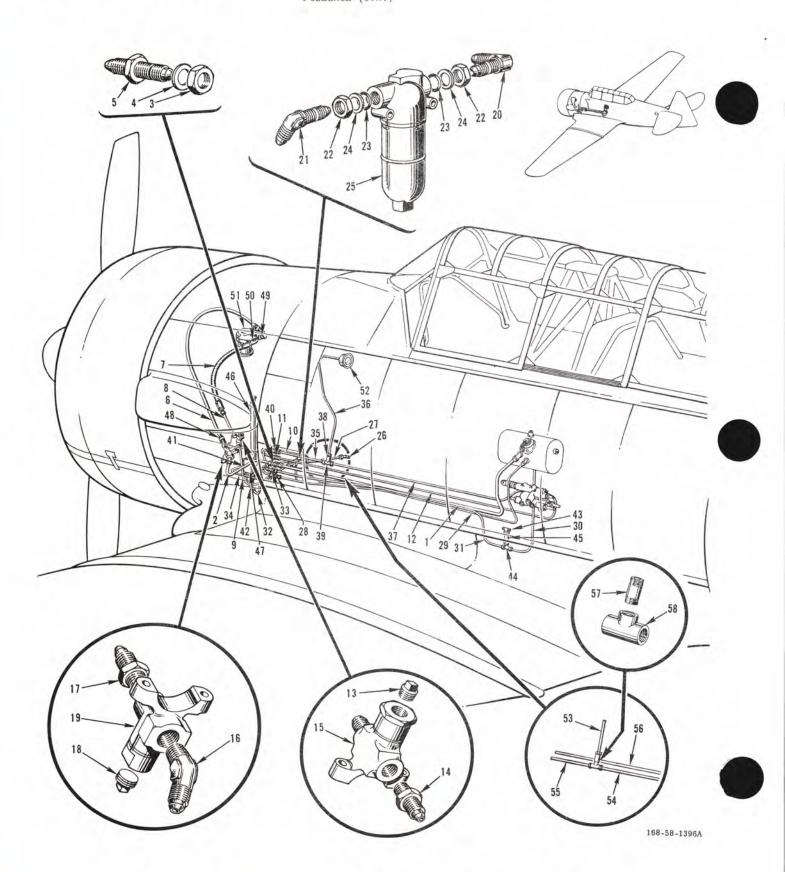
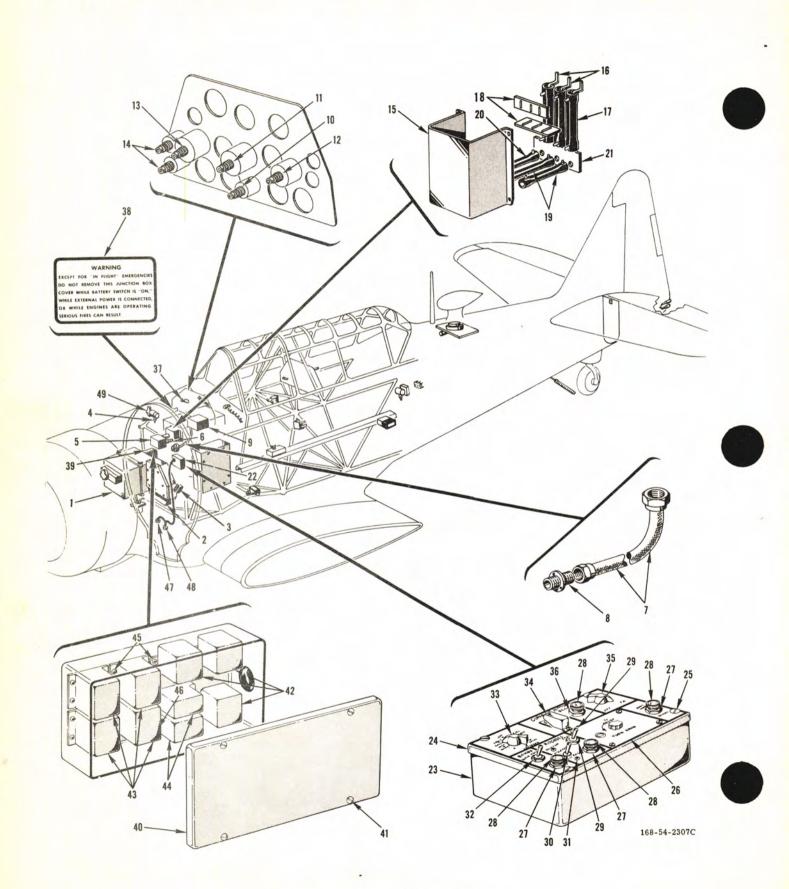


FIGURE 36 - HYDRAULIC ENGINE DRIVEN PUMP, HAND PUMP AND PRESSURE GAGE EQUIPMENT

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	CODE
		FUSELAGE (Cont) HYDRAULIC ENGINE DRIVEN PUMP, HAND PUMP AND PRESSURE GAGE EN	QUIPMENT	
36	No Number	Hydraulic Engine Driven Pump, Hand Pump and Pressure Gage		
	== =0===	Equipment (see figure 35 for next assembly)	NP	ALL
-1	77-58505	. Line Assy - Hydraulic firewall union to reservoir suction	1	ALL
-2	77-58503	. Line Assy - Hyd disconnect fitting to firewall union suction	1	ALL
-3 -4	11-1039-1-14D	. Nut (PA)	1	ALL
-4	2W1APL57-44-64	. Washer - Plain (NA)	1	ALL
-5 -6	3115-1HT100	. Fitting - Bulkhead union (PA)	1	
-6	88-58541	. Line Assy - Hydraulic pump to disconnect fitting to firewal.	1 : 1	ALL
-7	43D2475-6W180	. Mose Assembly - Bil Type swivel connection and flared		ALL
-8	77-58506	tube bulkhead hydraulic		ALL
-9	168-58801-21	pressure	1	ALL A1-C6
-10	168-58801-39 168-58801-23	. Line Assy - Hyd press. engine mount block to line filter .	1	c61-
10	168-58801-41	. Line Assy - Hyd press. line filter to union on firewall .	1	A1-C6
-11		. Line Assy - Hyd press. line filter to union on firewall	1	C61-
-11	11-1039-1-5	. Nut (PA)	. 1	ALL
	2W1-37-32-40	. Washer - Plain (NA)	1	ALL
	3115-1HT6	· Fitting - Bulknead union (PA).	7	ALL
-12	77-58508	. Line Assy - Hyd firewall union to selector valve pressure	. 1	A1-B5
-13	AN913-2	. Plug - Square head pipe thread	1	ALL
-14	AN816-6B	. Nipple - Flared tube and pipe thread	. 1	ALL
-15	77-58175	. Block Assembly - Hydraulic engine pump pressure line		VIII
16	0110010	disconnect (see figure 34 for detail breakdown)	. 1	ALL
-16	811CT10	. Fitting - Elbow 90°	1	ALL
-17	AN840-8	. Adapter - Hose to pipe thread	1	ALL
-18	AN913-3	. Plug - Square head pipe thread	. 1	ALL
-19	88-58176	. Block Assembly - Hydraulic engine pump suction line		KLL
00	137000 Cm	disconnect (see figure 34 for detail breakdown)	. 1	ALL
-20	AN833-6D	. Elbow - Flared tube bulkhead and universal 900	. 1	ALL
-21	AN837-6D	• Elbow - Flared tube bulkhead and universal 450	1	ALL
-22	AN6289-6D	. Nut - Flared tube universal fitting	1	ALL
-23	AN6291-6	. Ring - Hydraulic fitting gasket back-up	1	ALL
-24	AN6290-6	. Gasket - Straight thread tube fitting boss	: 1	
-25	AN6234-2	. Filter - Hydraulic replaceable element line type	. 1	ALL
	AN6235-2A	. Filter Element - Hyd replaceable micronic line type	. 1	ALL
-26	811CT6	Fitting - Elbow 90°	. 1	ALL
-27	168-58801-17	. Line Assembly - Hydraulic brake supply firewall elbow to		ALL
00		master brake cylinder	. 1	ALL
-28	11-1039-1-5	. Nut (PA)	1	ALL
	AN960D916	. Washer - Plain	7	ALL
	3115-1HT6	. Fitting - Bulkhead union (PA)	1	ALL
-29	121-58026-11	. Line Assy - Hyd brake supply reservoir to firewall elbow	. 1	ALL
-30	77-58510	. Line Assy - Hydraulic reservoir to upper tee pump	1	ALL
-31	168-58801-5	. Line Assy - Hyd supply firewall LH side to tee at check valv	0 1	ALL
-32	168-58801-3	. Line Assy - Hydraulic supply hand pump to firewall	. 1	
-33	11-1039-1-10	. Nut (PA)	. 1	ALL
	AN960D1216	. Washer - Plain	. 1	ALL
	3115-1HT8	Fitting - Bulkhead union (PA).	. 1	ALL
-34	168-58801-7	I too Again Hind amount had a see a constant	. 1	ALL
-35	168-58801-9	Line Assy - Hyd pressure hand pump to firewall elbow LH	. 1	ALL
-36	168-58801-13	. Line Assy - Hyd pressure firewall elbow to tee LH side	. 1	A1-B5
-37	168-58801-11	. Line Assy - Hyd pressure snubber LH side to pressure gage .	. 1	A1-B5
-38	15SD1	. Line Assy - Hyd pressure snubber tee to valve assembly elbow	. 1	A1-B5
		. Snubber (PA)	. 1	ALL
-39 -40	811ST5	. Fitting - Tee	. 1	A1-B5
-40	11-1039-1-4	. Nut (PA)	1	ALL
	AN960D816	. Washer - Plain	1	ALL
11.7	3115-1HT5	. Fitting - Bulkhead union (PA),	1	ALL
-41	811CT5	. Fitting - Elbow 900	7	ALL
	AN912-1	Bushing - Reducer	. 1	ALL
-42	811CT8	. Fitting - Elbow 90°	. 1	ALL
-43	811ST6	Fitting - Tee	: 1	
-44	811ST8	. Fitting - Tee	7	ALL
-45	2-2140-24	. Valve Assembly - Hydraulic one-way (PA)	: 1	
-46	168-58010-10	Handle Assembly - Hydraulic hand pump	. 1	ALL
-47	168-58009	Pump Assembly - Hydraulic hand (modification)	. 1	ALL
-48	745-2A	Clamp - Hose	. 1	ALL
100	884-8-13	Hose	. 4	ALL
-49	AN842-8	Hose	. 2	ALL
-50		. Elbow - Pine thread and hose QOO	7	ALL
	6-6CT	. Fitting - Hose pump adapter (PA)	7	ALL
-51	1P263E	. Pump Assy - Hyd engine driven (same as Model 263F) (PF)	7	ALL
-52	No Number	. Gage - Hydraulic pressure type E-4	1	ALL
-53 -54	168-58801-25	. Line Assy - Hyd pressure snubber LH side to press care	. 1	B56-
-54	168-58801-31	. Line Assy - Hyd pressure snubber tee to valve assembly elbow	7	B56-
- ) +	168-58801-29	Tine Ager Und proces Changell 12 12 to valve assembly elbow	. 1	
-55		. Dille ASSY = nyu Dress. Ilrewall elnow to eminhon too il adda		
-55 -56	168-58801-27	. Line Assy - Hyd press. firewall elbow to snubber tee LH side	. 1	B56-
-55 -56 -57 -58		Line Assy - Hyd press. firewall elbow to snubber tee LH side Line Assy - Hyd press. firewall elbow to valve assy elbow Nipple (PA)	1	B56- B56-



## TRANS AMERICAN AVIATION CORP. P. O. 80X 755

AN 01-60FPMAMI 48, FLA.

# Group Assembly Parts List

FIGURE & DEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	PER ASSY.	APPLICATION
		FUSELAGE (Cont) ELECTRICAL EQUIPMENT		
37	168-54001	Electrical Equipment Installation (see fig. 1 for next assy) .	. NP	
31	168-54002	. Wiring Diagram	. 1	A1-D30
	182-54002	. Wiring Diagram		K,U
	168-54004	. Wiring Diagram	. 1	K,U
	168-54003	. Wiring Diagram	. 1	D31-J5
	168-54014-1	. Electrical Equipment Installation - Wing outer panel LH	MD	A 77
	169 54014 0	(see figure 41 for detail breakdown)	. NP	A,Z
	168-54014-2	. Electrical Equipment Installation - Wing outer panel RH . (see figure 41 for detail breakdown)	. NP	A,Z
	168-54040	. Electrical Equipment Installation - Power Plane		, 2
	100-54040	(see figure 69 for detail breakdown)	. NP	A,Z
	168-54131	. Electrical Equipment Installation - Fuselage sta 106 31/32		
		to 275 27/32 (see figure 37A for detail breakdown) .	. NP	A,Z
	182-54031	. Electrical Equipment Installation - Fuselage station 1		
		to 106 31/32 (see figure 42A for detail breakdown) .	. NP	K
	168-54031	. Electrical Equipment Installation - Fuselage station 1		
		to 106 31/32 Floated	. NP	A,Z
	No Number	Fuselage Station 31 to 106 31/32 miscellaneous Electric	MD	A,Z
-	W. Wash and	Equipment (see figure 37A for detail breakdown)		
-1	No Number	<ul> <li>Battery Equipment (see figure 39 for detail breakdown)</li> <li>Main Power Panel Connector Relay Box Assembly</li> </ul>	· Nr	A,Z
-2	No Number	(see figure 42 for detail breakdown)	. NP	A,Z
-3	No Number	Generator Control and Throttle Switch Boxes	***	,
-3	No Mamper	(see figure 40 for detail breakdown)	. NP	A,Z
-4	AN3054-4	Nut - Conduit coupling		A,Z
-5	450250-0-3	. Flasher Assembly - Position light (for a list of detail		
		parts refer to T. 0. 03-5-55) (PDI)		A,Z
	AN3057-6	Adapter - Electrical accessory to cable		A,Z
-6	25-54080-3AE94	Conduit Assembly - Flexible	. 1	A,Z
-7	E1156-3-10	Socket Assembly - Multiple circuit connector (BC)	. 1	A,Z
-8	168-54030	Switch Installation - Ignition (mod) (see figure 38)		A,Z
-9	AN3106-1452S	Plug - Electric connector straight (eng gage)		A,Z
	AN3057-6	Adapter - Electrical accessory to cable		A,Z
-10	AN3106-10SL3S	Plug - Electrical connector straight (turn and bank) .		A,Z A,Z
	AN3057-4	Adapter - Electrical accessory to cable		A,Z
-11	AN3106-14S2S	Plug - Electrical connector straight (compass)		A,Z
-12 -13	AN3106-14S1S AN3106-14S2S	Plug - Electrical connector straight (free air temp)	4.	A,Z
-13	AN3057-6	* Adapter - Electrical accessory to cable		A,Z
-14	168-54047	. Cover - Electrical resistor mounting		A,Z
-15	No Number	Resistor - Vitreous enameled (ABZUG 15 ohm 50 w		
-1)	No Nambol	with No. 6101 mounting) (OM)	. 1	A,Z
-16	No Number	Resistor - Vitreous enameled (ABZUG 15 ohm 50 w		
	*** ***********************************	with No. 6101 mounting) (OM)	1	A,Z
-17	0200B	Resistor (with No. 5101 mounting bracket and bolts		
112		for 4 inch resistor)		D31-Z
-18	168-54048-5	Spacer - Electrical resistor mounting		A,Z
-19	No Number	. Resistor - Vitreous enameled (ASYOU 20 ohm 10 w) (OM)	: 3	A,Z
-20	No Number	Resistor - Vitreous enameled (ASYOU 10 ohm 20 w) (OM)		A,Z A,Z
-21	168-54048-3	Spacer - Electrical resistor mounting		Z
-22	168-54053	Box Assembly - Electrical armament control box		Z
-23 -24	168-54055 168-54054	Cover Assembly - Electrical armament control box	. 1	Z
-25	A4-25	Stud (DZ)	4	Z
-26	Type A3	Projector Release (Spec. 24975) (GFP)	1	Z
-27	AN3157-3		3	Z
-28	AN3121-313	Lamp - T3 1/4 bulb SC miniature bayonet base		Z
-29	AN3021-1	Switch - Toggle single pole one hole mounting	1	Z
-30	AN3227-3	Switch - Toggle four pole three hole mounting	1	Z
-31	AN515-6R4	Switch - Machine round head coarse thread		Z Z
-32	AN3027-1	Switch - One hole mounting double pole toggle	: : 1	Z
-33	AN3211-4	Switch - Rotary selector	: 1	Z
-34	AN3226-1		1	Z
25	8916K689		î	Z
-35 -36	AN3155-200	Rheostat - Aircraft power		2
-30	AN3157-9	substituted)	1	Z
-37	AN3034-2	substituted)	2	A,Z
-38	1D138	Detail Marking	1	A,Z
-39	168-54086	Box Assembly - Electrical relay armament (complete) .	1	Z
-40	168-54085	Cover Assembly - Electrical relay armament box	1	Z
-41	A4-25	Stud (DZ)	4	Z
-42	237EAU	Relay (IR)	3	Z
-43	AN3316-2	Relay - 10 amp 3 pdt		Z
-44	AN3320-1	Relay - 25 amp spst	2	Z
-45	AN515-8R8	Screw - Machine round head coarse thread	22	Z
-46	AN515-8R14	Screw - Machine round head coarse thread	:: 4	Z
-47	AN3106-10SL4P	Plug - Electrical connector straight	: : 1	
	AN3100018-1S	Recebracie - Frechtical connector wall moducing	D-0	
-48 -49	37D6210	Valve Assembly - Solenoid	Rei	

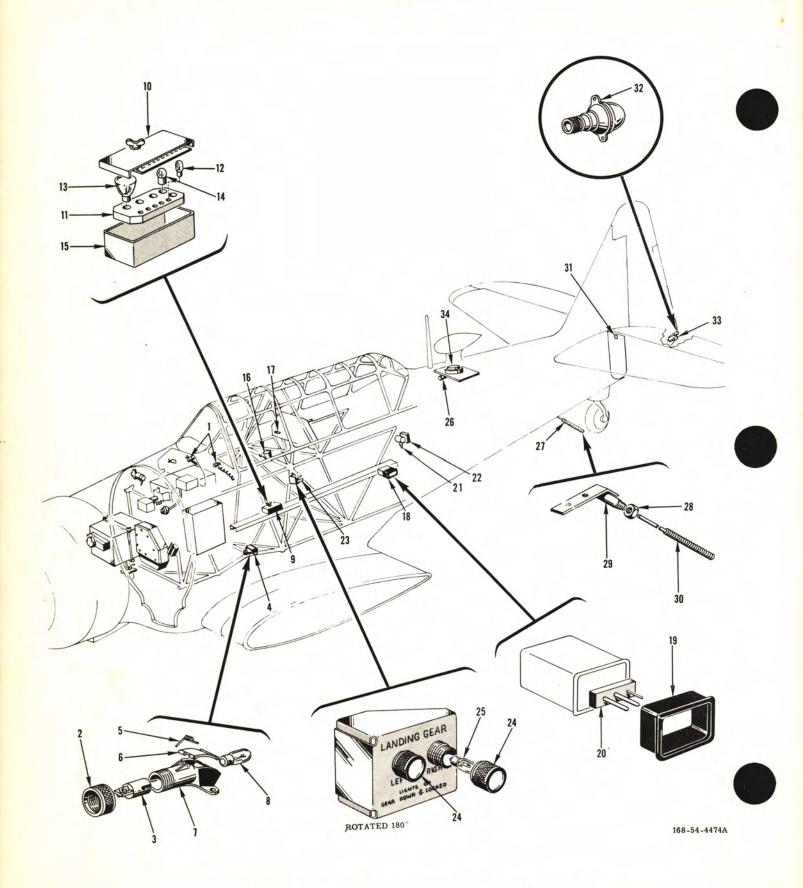


FIGURE 37A - ELECTRICAL EQUIPMENT STATION 31 TO 275 27/32

#### Section\_II **Group Assembly Parts List**

FIGURE &	PART NUMBER	1	2	3 4	5 6	7	NOMENCLATURE		UNITS PER ASSY.	APPLICATION CODE
37A							ation 31 to Station 275 2			
	No Number		Fus	elage	Stati	on 31	to 106 31/32 Miscellaneous	s Electrical		
				Eq	uipmen	t (see	figure 37 for next assem	bly)	. NP	ALL
-1	B2930A			Light	Assem	bly -	Fluorescent ultra-violet	(GMC) (spec		
							pe C8) (front and rear co		. 4	ALL
-2	36A2212-3			Nut			onduit ferrule coupling .			ALL
-3	32A1981		•				Double pole electrical .			AL-ALS
-5	37A4527	•	•				Single pole electrical .			A20-
-4	25-54052	•					Tank fluid gage			ALL
	146-31334	•								
-5 -6							gage light			ALL
-0	19-54036		•				el gage light			ALL
-7 -8	19-54021						gage light		. 1	ALL
-8	AN3141-301			Lamp			ingle contact candelabra		4	
							may be substituted)			A1-A19
	AN3123-301						b single contact candelab			A20-
-9	168-54095			Box A	ssembl	y - Sp	are lamps (mod)		. 1	ALL
-10	77-54114			. Co	ver As	sembly	- Spare lamp box		. 1	ALL
-11	168-54095-3			. Pa	d - Sp	are la	mps		. 1	ALL
-12	AN3121-313						bulb single contact mini			ALL
-13	AN3125-1						ilb double contact floures			ALL
-14	AN3141-301						ble contact candlelabra be			ALL
-15	77-54096						y - Spare lamp box			ALL
-16	No Number	•					pe J-2 (Spec No. 32462) .			ALL
-17	AN3034-2						Direct instrument			
-18	168-54350									ALL
							ectrical ext power recept			ALL
-19	168-54350-5						cal ext power receptacle			ALL
-50	AN2552A3A						ext power 28 volt DC			ALL
-21	AN3106-12S3S						connector straight			ALL
	AN3057-4						cal accessory to cable .			ALL
-22	No Number			Inver	ter -	Rotary	400 cycles (Spec No. 94-	32270A) (GFP)	. 1	ALL
	AN520-10R8			Screw	- Mac	hine r	ound head fine thread		. 4	*1
	AN960D10			Washe	r - P1	ain .			. 4	*1
-23	168-54038			Brack	et - E	lectri	cal alighting gear indica	tor lights	. 1	ALL
-24	AN3157-3						Press to test indicator .			ALL
-25	AN3121-313						b single contact minature		-	ALL
	168-54131	•	Fle				tallation - Fus sta 106 t			VDD
	100-74131	•	ETC				next assembly)		. NP	ALL
-26	AN3106-14828									
-20		•	•				connector straight			ALL
0.00	AN3057-6	•	•				cal accessory to cable .			ALL
-27	88-54414						Electrical static			ALL
-28	88-54415						al static ground wire att			ALL
-29	88-54416						- Electrical static groun			ALL
-30	4w2-21						- Static ground			ALL
-31	AN3436-2-2			Termi	nal Bl	ock As	sembly - Electrical		. 1	ALL
-	AN515-4R7						ound head coarse thread .			ALL
	AN960D4								-	ALL
	AN365-440			Nut	Self	lockin	g 250° F			ALL
-32	AN3158-2	T.1	oht	Agger	hlv -	Tail n	osition (yellow) (see fig	ire 13)	. Ref	******
-33	AN3158-1						osition (white) (see figure			
-34	AN5730-3	CO	mpas	5 - H	emote	Tudica	ting magnetic (see figure	CUA)	. Kei	

<sup>\*1</sup> Added per T. O. No. 01-60FFA-50.

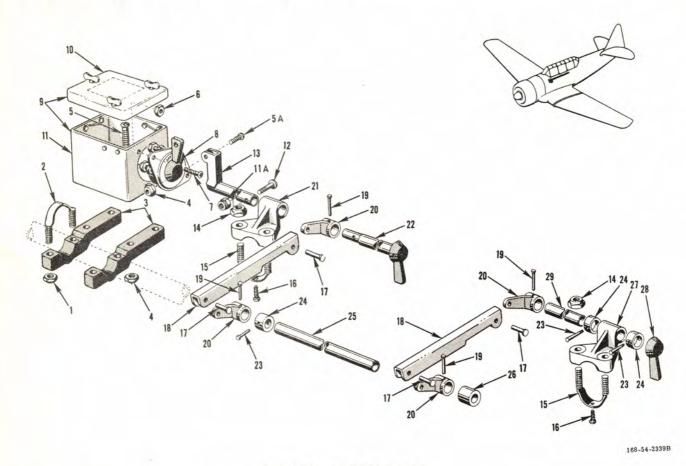


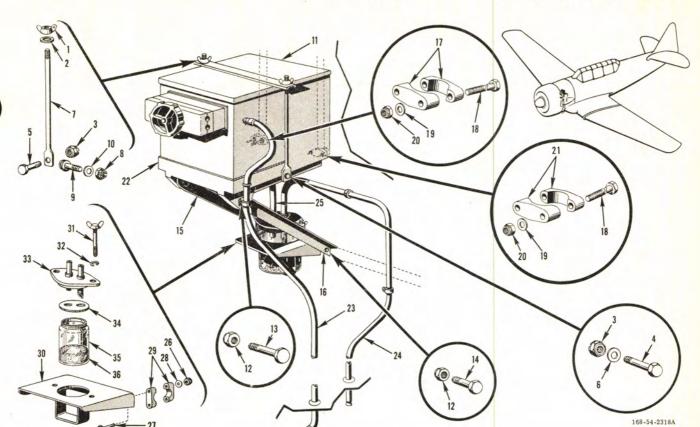
FIGURE 38 - IGNITION SWITCH

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
INDEX NUMBER		FUSELAGE (Cont)		
		IGNITION SWITCH		
38	168-54030	Switch Installation - Ignition (modification (see figure 37		
20	200 )5-	for next assembly)	NP	ALL
-1	AN365-428	. Nut - Self locking 250°F	-	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
	NAS221-12	Screw - Brazier head Phillips recess allow steel 10-32	4	ALL
-5	NAS221-12 NAS221-10	. Screw - Brazier head Phillips recess alloy steel 10-32	1	ALL
-5A		. Nut - Self locking 250°F	2	ALL
-6	AN365-632	Screw - Round head machine coarse thread	2	ALL
-7	AN515-6-5	. Screw - Round head machine Coarse three A7) (Spec 94-32090)	1	ALL
-8	28-54057	. Switch - Ignition (altered from type A7) (Spec. 94-32090)	î	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	
1000	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 -12	NAS220-12	Screw - Brazier head Phillips recess alloy steel 8-32	1	ALL
	168-54017	. Arm Assembly - Ignition switch actuating	1	ALL
-13		. Nut - Self locking 250°F	4	ALL
-14	AN365-428	Bolt - U (NA)	2	ALL
-15	5B6-16	Screw - Sheet metal round head	2	ALL
-16	AN530-6-8	. Screw - Sheet metal round head	11	ALL
-17	AN393-11	. Pin - Flat head 3/16	2	ALL
-18	55-54059	. Link - Ignition switch handle connecting	4	ALL
-19	AN392-23	. Pin - Flat head 1/8	31	
-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
	19-54069-2	. Tube - Ignition switch control	1	ALL
-25		Spacer - Bolt (NA) (used only when modifying 55-54030)	1	ALL
-26	4S4D616-22	Bracket - Rear ignition switch handle support	1	ALL
-27	168-54009	. pracket - Rear ignition switch handle Support	1	ALL
-28	19-54046	. Handle Assembly - Ignition switch	-	LLL
-29	49-54191-4	Tube - Ignition switch control (used only when modifying 55-54030)	1	ALL

#### P. O. BOX 755

MIAMI 48, FLA.

Section\_II\_ **Group Assembly Parts List** 



					UNITS	APPLICATION
FIGURE	39	-	BATTERY	EQUIPMENT		

FIGURE &	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 for next assembly)	. NP	A,Z
-1	AN350-6	. Nut - Wing	. 2	A,Z
-2	AN960-616	. Washer - Plain		A,Z
	AN310-4	. Nut - Castellated airframe		A,Z
-3 -4	AN4-11	Bolt - Aircraft 1/4-28		A,Z
	AN4-6	Bolt - Aircraft 1/4-28		
-5 -6				A,Z
	AN960-416	. Washer - Plain		A,Z
-7	168-54016-3	. Rod - Battery holddown		A,Z
-8	AN310-5	. Nut - Castellated airframe	. 1	A,Z
-9	AN44-14	. Bolt - Eye 5/16-24 for 1/4 pin	. 1	A,Z
-10	AN960-516	. Washer - Plain		A,Z
-11	AN3150A	. Battery - 24 Volt 34 amp hour shielded storage (with CED		
		No. 11749 receptable and No. 11751 plug) (GFP)	1	A.Z
-12	AN365-428	. Nut - Self locking 250°F		A,Z
-13	AN4-10A	Bolt - Aircraft 1/4-28		
-13				A,Z
	AN4-5A	. Bolt - Aircraft 1/4-28		A,Z
-15	88-54374	. Brace - Battery support right		A,Z
-16	88-54375	. Brace - Battery support left		A,Z
-17	501	. Clamp (NA)	. 2	A,Z
-18	AN4-33A	. Bolt - Aircraft 1/4-28	. 4	A,Z
-19	AN960-416	. Washer - Plain	24	A,Z
-20	AN365-428	. Nut - Self locking 250°F		A,Z
-21	5C1	. Clamp (NA)		A,Z
-55	88-54005	. Support - Battery		A,Z
-23	88-54840	. Tube Assembly - Battery vent intake		
	88-54828			A,Z
-24		. Tube Assembly - Battery sump to vent outlet		A
	168-54828	. Tube Assembly - Battery sump to vent outlet		Z
-25	88-54819	. Tube Assembly - Battery to sump		A,Z
-26	AN365-1032	. Nut - Self locking 250°F		A,Z
-27	AN3-15A	. Bolt - Aircraft 10-32	. 4	A.Z
-28	AN960-416	. Washer - Plain	14	A,Z
-29	5C1-2	. Clamp (NA)		A,Z
-30	88-54307	. Support Assembly - Battery vent outlet sump		A,Z
-31	73-54162	. Bolt Assembly - Battery vent outlet sump holddown		A,Z
-32	AN935-10	. Washer - Spring lock		A,Z
			<	A, Z
-33	805	. Cover Assy - Battery vent outlet sump (NA) (supersedes	-	
- 1	an abaca	99-54161)		A,Z
-34	99-54163	. Seal - Battery vent outlet sump		A,Z
-35	3504	. Jar (GLS)		A,Z
-36	88-54311	. Sponge - Battery vent sump	. 1	A.Z

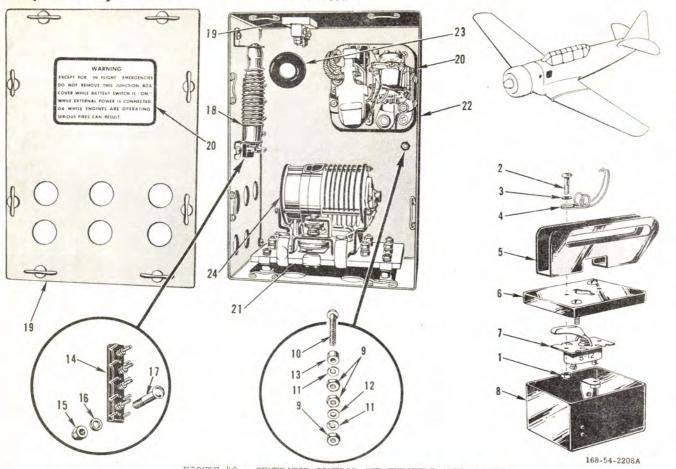


FIGURE &	PART	FIGURE 40 - GENERATOR CONTROL AND THROTTLE SWITCH BOXES	UNITS	APPLICATION
NDEX NUMBER	NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	PER ASSY.	CODE
		FUSELAGE (Cont)		
		GENERATOR CONTROL AND THROTTLE SWITCH BOXES		
40	No Number	Generator Control and Throttle Switch Boxes (see figure 37)	NP	ALL
	55-54139-4	. Box Assembly - Throttle switch	1	ALL
	55-54139-3	Box Sub-Assembly - Throttle switch	1	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	2	ALL
	51-54147	Spring - Throttle switch	1	ALL
-5	55-54140	Guide - Throttle switch	1	
-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 Accomply - Infrottle Switch	1	ALL
-0	168-54068	Shield Assembly - Throttle switch box	1	ALL
	168-54068-10	. Box Assembly - Generator control panel complete	1	A1-K87,H5
	168-54068-20	. Box Assembly - Generator control panel complete	1	K88-L94
		. Box Assembly - Generator control panel complete	1	L94-
0	ATTACHIN			
-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 - Corrigated ribbon (COABE with No. 610 mtg.) (OM)	Al-I	
	No Number	. Resistor - Corrigated ribbon (COIEK with No. 6107 mtg) (OM)	WI-T	L94-
-19	No Number	Shunt - Ammeter external 50 millivolt (Spec. 94-32284)(GFP)	1	
-20	No Number	Relay - Reverse current 24 v DC sys (Spec. 94-32278)	1	ALL
		(AN 3025-1 may be substituted)	1	A1-K87,H5
-21	168-54067	Cover Assembly - Floothigh coverted	1	A1, K87, H5
	182-54070	Cover Assembly - Electrical generator control panel	1	ALL
-22	168-54069	Cover - Battery chargine resistor	1	K,U
-66	168-54069-10	Box Assembly - Electrical generator control panel	1	A1-K87,H5
		Box Assembly - Electrical generator control panel	1	K88-L94
00	168-54069-20	. Box Assembly - Electrical generator control panel	1	L94-
-23	AN931-16-72	Grommet - Elastic	1	ALL
-24	No Number	. Reg Assy - Voltage carbon pile type P-1 (Spec. 94-32276) (GFP)	1	ALL

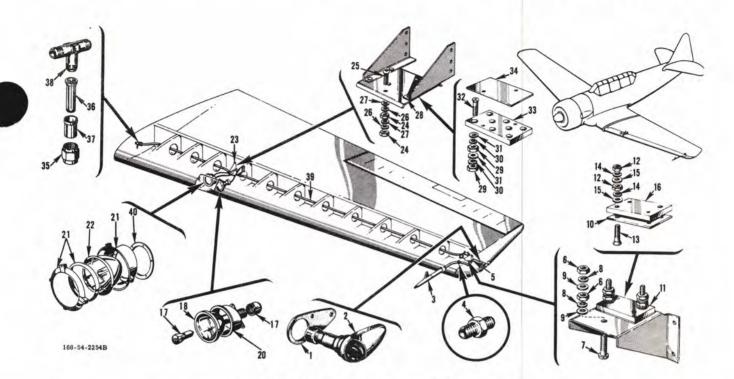
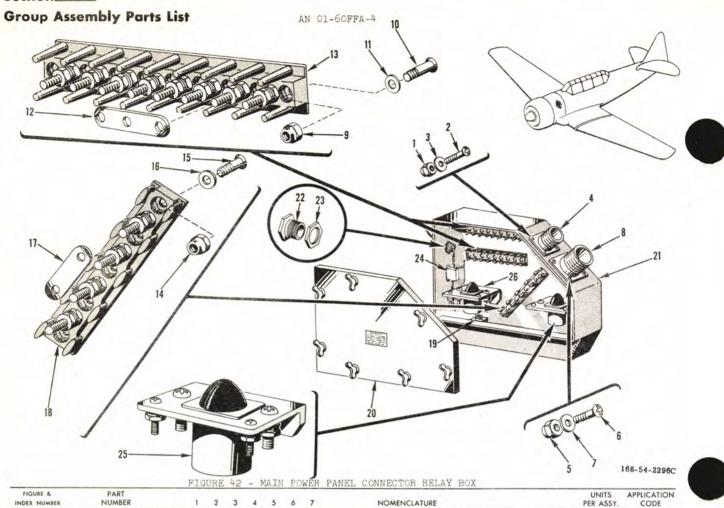


FIGURE & NDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE PER AS	
		FUSELAGE (Cont)	
		WING OUTER PANEL ELECTRICAL EQUIPMENT	
41	168-54014-1	Electrical Equipment Installation - Wing outer panel LH	
	100-54014-1	(see figure 37 for next assembly)	D A 7
	168-54014-2	Electrical Equipment Installation - Wing outer panel RH	P A,Z
	100-34014-2	(see figure 37 for next assembly)	D A 7
-1	168-54020	. Gasket - Wing tip position light	
-2	AN3033-3	light Agombly Dispersition and the TH	1 A,Z
-2	AN3033-4		1 A,Z
2			1 A,Z
-3 -4	AN5816-2	. Tube - Elec heated pitot static (RH only) (GFP) (see fig. 3) . Re	f A,Z
-4	811HT4D	. Fitting - Solderless (union)	1 A,Z
-5 -6	88-54408	. Panel Assembly - Wing tip connector	I A,Z
-6	AN340-8	Nut - Light hexagon coarse thread	2 A,Z
-7	AN515-8-10	Screw - Round head machine coarse thread	1 A,Z
-8	AN935-8	Washer - Spring lock	A,Z
-9	AN960-8	. Washer - Plain	A,Z
-10	78-54027		1 A.Z
-11	78-54013		A,Z
-12	AN340-8	Nut - Light hexagon coarse thread	A,Z
-13	AN506-832-16	Screw - 100° flat head machine coarse thread	,
-14	AN935-8	Screw - 100 flat head machine coarse thread	
-15	AN960-8		129 44
-16		Washer - Plain	A,Z
	78-54012		1 A,Z
-17	36A2212-3	. Nut - Flexible conduit (LH only)	l A,Z
-18	37D4865		1 A,Z
-19	AN3133-311	. Lamp - S11 Bulb sc candelabra bayonet base (LH only)	1 A,Z
-20	77-54061	. Support Assembly - Running lamp (LH only)	1 A.Z
-21	CM1356	. Adapter - Sealed beam (AW)	A,Z
-22	4541	. Lamp Assembly - PAR 56 450 watt 28 volt (Mazda) (GE)	l A.Z
-23	158-54409		A,Z
-24	AN340-8		A,Z
-25	NAS220-12		I A,Z
-26	AN935-8		
-27	AN960-8	. Washer - Plain	
-28	88-54320	Popul Aggraphic Edukt and	
-29	AN340-8	Panel Assembly - Eight post connector	,
-30	AN935-8	Nut - Light hexagon coarse thread	
-31			A,Z
	AN960-8	Washer - Plain	
-32	AN507-832-16	Screw - 100° flat head machine coarse thread 1	A,Z
-32 -33 -34 -35 -36 -37 -38	88-54319	Panel - Eight post connector	
-34	84-54190	. Insulator - Six post connector panel	A,Z
-35	811BT4D	. Fitting - Solderless (RH only)	A,Z
-36	82-51006	. Sump - Airspeed line (RH only)	A,Z
-37	811T4CS	. Fitting - Solderless (RH only)	A,Z
-38	811JT4D		A,Z
-39 -40	88-51837	. Line Assembly - Airspeed pressure outer panel (RH only)	A,Z
Tio	168-54099		Z Z



INDEX NUMBER	NUMBER	1 2 3 4 5 6 7 NOMENCLATURE PER ASSY. CO	ODE
		FUSELAGE (Cont) MAIN POWER PANEL CONNECTOR RELAY BOX	
2	No Number	Main Power Panel Connector Relay Box (see figure 37 and 42A	
		for next assembly) NP ALL	
	168-54072	. Box Assembly - Main power panel connector (mod) 1 Al-A5	
	168-54072-10	. Box Assembly - Main power panel connector (mod) 1 A51-0	391,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	AN3102-22-12P	. Receptacle - Electric connector straight 1 ALL	
-6	AN365-632	. Nut - Self locking 250°F	
-5 -6	AN515-6R6	. Screw - Machine round head coarse thread 4 ALL	
-7	AN960-6	그는 그에는 그리는 아프로그램 그는 사람들은 그리고 있었다. 이 아이들은 아이들은 아이들은 아이들은 아이들은 아이들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람	
-8		· · Maplier - I rath · · · · · · · · · · · · · · · · · · ·	
	2065-26		
-9	AN365-440	Nut - Self locking 250°F 4 ALL	
-10	AN507-440R7	Screw - Machine flat head 100° 4 ALL	
-11	AN960D4	Washer - Plain 4 ALL	
-12	AN3433-4-3	Bus - Terminal block	
-13	AN3436-4-8	. Terminal Block Assembly - Electrical 2 ALL	
-14	AN365-632	Nut - Self locking 250°F	
-15	AN507-632R7	. Screw - Machine flat head 100°	
-16	AN960D6	Washer - Plain	
-17	AN3433-6-2	Bus - Terminal block 1 ALL	
-18	AN3436-6-4	. Terminal Block Assembly - Electrical	
-19	CA275X	Capacitor - Direct current (JAN-C25) (CP53B2EB4OSK) (MAL). 1 ALL	
-20	168-54036	. Cover Assembly - Main power panel connector box 1 Al-As	0
-20	168-54036-10		57,K,U
-21	168-54034		
-21	168-54034-10		
			57,K,U
	168-54034-20	Shield Assembly - Main power panel connector box 1 Z,H51	
-22	AN3064-4	Connector - Conduit box 1 Z,H51	
-23	AN3066-4	Nut - Lock conduit coupling 1 Z,H51	
-24	JX55F-RF	. Filter - Radio noise filter 4 amp (Sprauge)(type JX55C & F) 1 ALL,	
	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		1 . Relay Assy - Electrical starter circuit 1 Al-B2	0
	168-54090 *	1 Plate - Electrical relay mounting adapter 1 Al-B2	0
		2 . Relay - 200 amp spst intermittent (type B8 Spec 94-32424). 1 Al-B2	
	No Number	. Relay - (type B8) (Spec 94-32424) (starter system) 1 B21-	
	*1 Refer to T. O		
		s manufactured by Autolite Electric are not acceptable.	
	z Type Do retay	s manufactured by Autoffice Diecolic are not acceptable.	

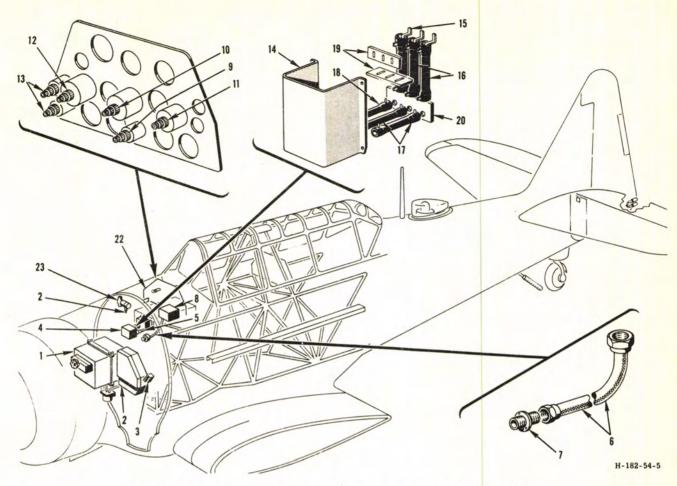


FIGURE 42A - ELECTRICAL EQUIPMENT COMPLETE STATION 1 TO 106-21/36

FIGURE &	PART NUMBER	1	1	2 3	3 4	5		6 7		NOMENCLATURE				UNITS PER ASSY.	USEABLE ON CODE
										FUSELAGE (Cont)					
				FU	SELA	GE	ST	ATIO	N 1	TO 106-21/36 ELECTRICAL E	QUIPMENT	COI	MPLE	ETE	
42A	182-54031	F	Ele	etri	cal	Tns	ta	llat	ton	- Fuselage station 1 to 1	06-21/22				
				(	see	fig	ur	e 37	for	r next assembly)	00-21/32			NP.	K.U
-1	No Number		. ]	Batt	ery	Equ	ip	ment	(86	ee figure 39 for detail br	eakdown)			NP	K, U
-2	No Number		. 1	Main	Pow	er	Pa	nel	Con	nector Relay Box Assembly					-, -
					(8	ee	fi	gure	42	for detail breakdown) .				. 1	K, U
-3	No Number		. (	Gene	rato	rC	on	trol	and	d Throttle Switch Boxes .				. NP	K, U
					(s	ee	fi	gure	40	for detail breakdown)					
-4	1055-1		. :	Flas	her	- P	os	itio	n 1:	ight (SEAE) (Type C2)				. 1	K, U
-5 -6	AN3057-10			Adap	ter	- E	lle	ctri	cal	accessory to cable				. 1	K, U
	25-54080-3AE94			Cond	uit	Ass	em	bly	- F	lexible				. 1	K, U
-7	E1156-3-10			Sock	et A	sse	mb	ly -	Mu.	Itiple circuit connector ()	BC)			. 1	K, U
-8	168-54030			Swit	ch I	nst	al	lati	on .	- Ignition (mod) (see figure	re 38)			NP	K, U
-9	AN3106-14S2S	* .		Plug	- E	lec	tr	ical	COL	nnector straight (engine g	age)			2	K, U
	AN3057-6	* .		Adap	ter	- E	le	ctri	cal	accessory to cable				. 2	K, U
-10	AN3106-10SL3S	* .		Plug	- E	lec	tr	ical	COL	nnector straight (turn and	bank)			2	K, U
	AN3057-4	* .		Adap	ter	- E	le	ctri	cal	accessory to cable				. 2	K, U
-11	AN3106-14S2S	* .		Plug	- E	lec	tr.	ical	COL	nnector straight (compass)				2	K, U
-12	AN3106-14S1S	* .		Plug	- E	lec	tr	ical	cor	nnector straight (Tach ind	icator)			2	K,U
-13	AN3106-14S2S	* .		Plug	-	Ele	ct	rica	1 81	traight (free air temp) .				4	K, U
	AN3057-6	* .		Adap	ter	- E	le	ctri	cal	accessory to cable				. 8	K, U
-14	168-54057		. (	Cove	r -	Ele	ct	rica	1 re	esistor mounting				1	K,U
-15	0200B		. 1	Resi	stor	(W.	it	h No	. 5	101 mounting brackets and 1	bolts fo	r			
					4	incl	h :	resi	stor					. 2	K, U
-16	No Number		. I	Resi	stor	- '	V1	treo	us e	enameled					
2.20	and the second second				(A)	BZU	G :	15 0	hm 5	50 w with No. 6101 mounting	g) (OM)			2	K,U
-17	No Number		. I	Resi						enameled					
- 0					(A	CAO	U	20 o	hm ]	10 w with No. 6101 mounting	g) (OM)			2	K,U
-18	No Number		. I	Resi	stor	- '	Vi	treo	us e	enameled					
	- 60 -1-1-0				(A	CYO	U :	10 0	hm ]	10 w with No. 6101 mounting	(MO) (g			1	K,U
-19	168-54048-5	٠.		Spac	er -	Ele	ec	tric	al r	resistor mounting				2	K,U
-20	168-54048-3			Spac	er -	Ele	ec'	tric	al r	esistor mounting				2	K,U
-21	AN3034-2		. ]	Ligh	t As	sem	bl	у –	Dire	ect instrument				4	K, U
-22	AN3054-4		. 1	Vut	- Co	ndu:	it	cou	plir	ng				1	K,U
-23	37D6210	V	Tal	ve A	ssem	bly	-	Sol	enoi	ld				Ref	
	NOTE:	* 1	Iter	ns 1	iste	d tl	hus	s fo	r bo	th front and rear cockpits	3				

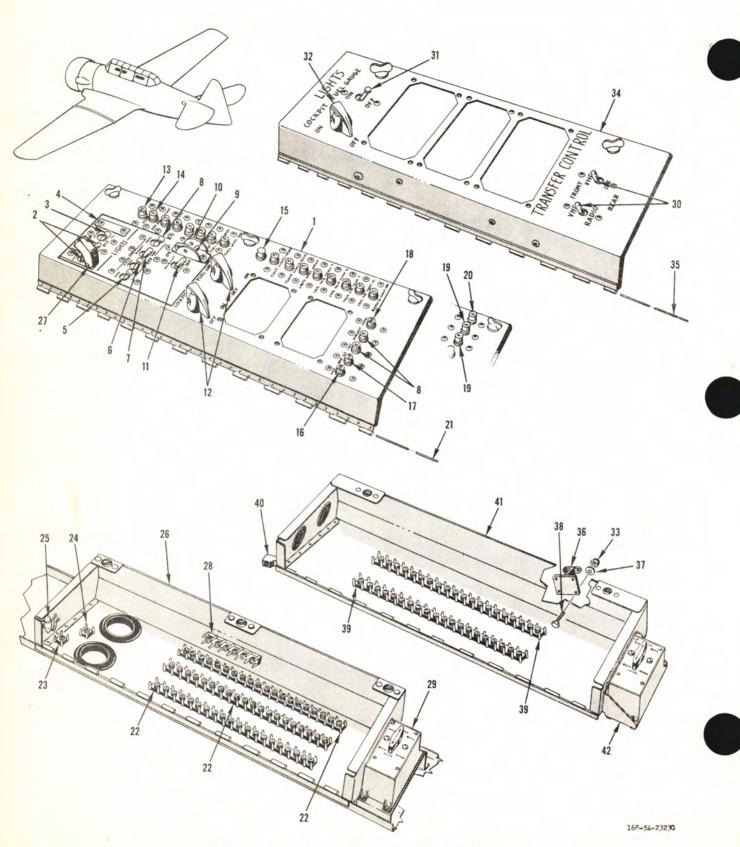


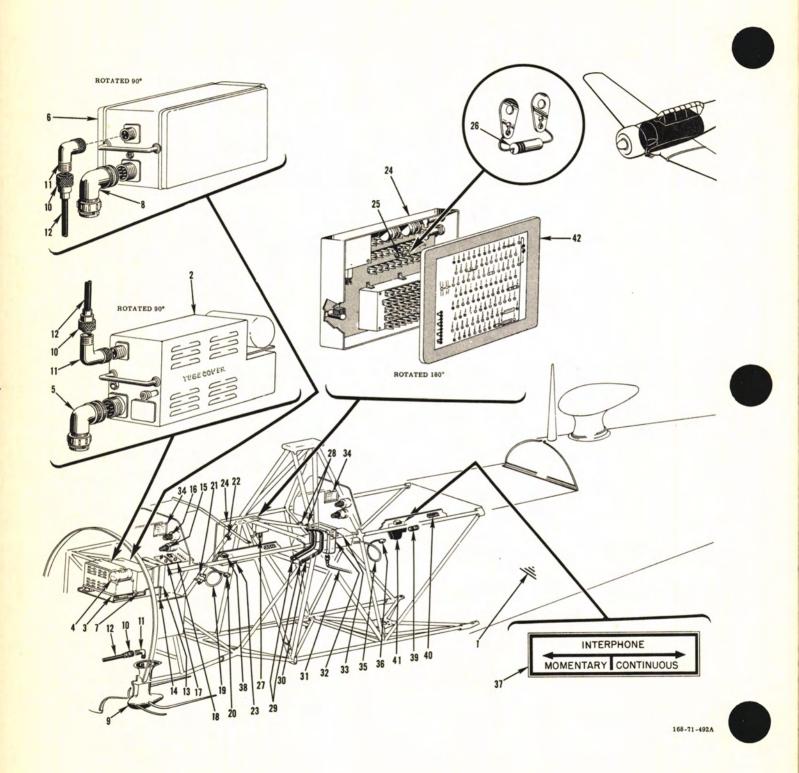
FIGURE 43 - FRONT AND REAR ELECTRICAL CONSOLES

#### **Group Assembly Parts List**

Section\_\_\_II

FIGURE &	PART									UNITS	APPLICATION
INDEX NUMBER	NUMBER	1	2	3	4	5	6	7	NOMENCLATURE	PER ASSY.	CODE
			_	_		_					

NDEX NUMBER	NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	PER ASSY.	CODE
		FUSELAGE (Cont)		
		FRONT AND REAR ELECTRICAL CONSOLES		
43	- 60 -1	Front and Rear Electrical Consoles		
	168-54005	. Console Assembly - Electric and radio front cockpit		
	168-54005-10	(see figure 15 for next assembly)	Ref	A1-A15
	100-94009-10	(see figure 15 for next assembly)	Ref	176 186
	168-54005-20	. Console Assembly - Electric and radio front cockpit	Net	A16-A85
		(see figure 15 for next assembly)	Ref	A86-D30
	168-54005-30	. Console Assembly - Electric and radio front cockpit		
-1	168-54011	(see figure 15 for next assembly)		D31-J5
-1	168-54011-10	Cover Assembly - Electric and radio cockpit		A1-A15
	168-54011-20	Cover Assembly - Electric and radio cockpit		A16-A89
	168-54011-30	Cover Assembly - Electric and radio cockpit		D31-J5
-2	AN3022-2	Switch - Three hole mounting single pole toggle	2	A
-3	AN3160-5	Circuit Breaker - Switch type non-trip free		A
-4	168-54011-9	Plate - Cover	1	ALL,*1
-5	AN3160-10	Circuit Breaker - Switch type non-trip free	1	A1-D30
-6	AN3227-1 AN3160-5	Switch - Toggle four pole three hole mounting		D31-J5
	AN3027-2	Circuit Breaker - Switch type non-trip free		A1-D30 D31-J5
-7	AN3022-2	Switch - Toggle single pole three hole mounting		A1-D30
0	AN3160-5	Circuit Breaker - Switch type non-trip free	ī	D31-J5
-8	AN3160-5	Circuit Breaker - Switch type non-trip free	3	A
-9 -10	AN3160-10 168-54033	Circuit Breaker - Switch type non-trip free		A
-11	AN3022-8	Guard - Pitot heat switch		A
-12	AN3155-25-200	Switch - Three hole mounting single pole toggle     Rheostat - Aircraft power	1	A A
-13	AN3161P15	Circuit Breaker - Push button non-trip free	1	A
-14	AN3161P5	Circuit Breaker - Push button non-trip free		A1-D30
1.5	AN3161P5	Circuit Breaker - Push button non-trip free	14	D31-J5
-15	AN3161P10	Circuit Breaker - Push button non-trip free	1	D31-J5
-16 -17	AN3161P20 AN3161P10	Circuit Breaker - Push button non-trip free	1	A
-18	AN3161P35	Circuit Breaker - Push button non-trip free Circuit Breaker - Push button non-trip free		A A1-D30
	AN3161P5	Circuit Breaker - Push button non-trip free		D31-J5
-19	AN3161P5	Circuit Breaker - Push button non-trip free	2	D31-J5
-20	AN3161P35	Circuit Breaker - Push button non-trip free	1	D31-J5
-21	AN253-2-1969	Pin - Hinge		A1-A85
-22	NAS45-6-20 NAS44A6-2	Panel Assembly - Electrical connector		A
	NAS44A6-5	Bus Bar - Electrical		A A
-23	NAS45-10-2	Bus Bar - Electrical	1	A
	NAS44A10-2	Bus Bar - Electrical		A
-24	NAS45-6-2	Panel Assembly - Electrical connector	1	Α
-25	AS445B2	Switch - Mercury (MH)	1	A
-26	168-54013	Support Assy - Elec and radio front cockpit cover (mod) .	1	A
-27	168-54013-10 45A21662	<ul> <li>Support Assy - Elec and radio front cockpit cover (mod)</li> <li>Guard - Toggle switch</li> </ul>	1	A86-J5
-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	-	
	360 Fhoof 30	for next assembly)	Ref	A1-A85
	168-54006-10	. Console Assembly - Elec and radio cockpit (see figure 15		A86-J5
-30	AN3227-3	for next assembly)	Ref	A1-A85
-31	AN3022-8	<ul> <li>Switch - Three hole mounting four pole toggle</li> <li>Switch - Three hole mounting single pole toggle</li> </ul>	2	A 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
25	168-54010-10	Cover Assembly - Electric and radio rear cockpit	1	A86-J5
-35 -36	AN253-2-1543 168-54008	Pin - Hinge	1	A A
-37	AN960-10	<ul> <li>Support - Electric and radio console rear cockpit aft</li> <li>Washer - Plain</li> </ul>	1 4	A
-37 -38	NAS221-10	Bolt - Aircraft 10-32	4	A
-39	NAS45-6-16	Panel Assembly - Electrical connector	2	A
-39 -40	168-54007	Support - Elec and radio console rear cockpit forward		A
-41	168-54012	Support Assy - Elec and radio rear cockpit cover	1	A1-A85
110	168-54012-10	Support Assy - Elec and radio rear cockpit cover		A86-J57
-42	FL30C	. Filter (GFP)	1	A



AN 01-60FFA-4 MIAMI 4B, FLA.

Section\_II

Group	Assem	bly	Parts	List
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FIGURE & NDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATIO
		FUSELAGE (Cont) COMPLETE FUSELAGE RADIO EQUIPMENT	~	
44	168-71001	Radio Equipment Installation - Fuselage complete (see	ND	
-1	No Number	figure 1 for next assembly)		A
-		(see figure 45 for detail breakdown)		A
-2	BC733D	. Receiver - Localizer (Govt furnished and installed)		A
-3	FT293A	. Mounting - Receiver (GFP)		A
-4	DM53A	. Dynamotor (Govt furnished and installed)	. Ref	A
-5	AN3108-20-27S	. Plug - Electric connector angle 90°	. 1	A
	AN3057-12	. Adapter - Electrical accessory to cable (GFP)	. 1	A
-6	R89B/ARN5A	. Receiver - Guide path (Govt furnished and installed)	. Ref	A
-7	MT28/ARN5	. Mounting - Receiver (GFP)		A
-8	AN3108-18-1S	. Plug - Electric connector angle 90°	. 1	A
-0	AN3057-10	. Adapter - Electric accessory to cable	: î	A
-9		. Antenna (Govt furnished and installed)	. Ref	
	AS27A/ARN5	. Antenna (Govt Turnished and Installed)	. Rei	A
-10	PL284	. Plug - Twin connector (GFP)	. 4	A
-11	PL293	. Plug - Twin angle 90° (GFP)	. 4	A
-12	RG22/U	. Cable - Twinax (GFP)	. 15 ft	. A
-13	168-71019	. Control Box Assembly - Radio (altered from C4/ARN7)	. 1	A
-14	LA1564-76	. Shaft Assembly - Tuning (SWTM)	. 1	A
15	PL118	* . Plug (GFP)	. 2	Α
	AN3054-10	* . Nut - Coupling		A
-16	AN3106-14S2S	* . Plug - Electric connector straight (GFP)	2	A
-10				
3.00	AN3057-6	* . Adapter - Electrical accessory to cable		A
-17	168-71012	* . Panel Assy - Radio VHF console (see fig. 46 for breakdown)		A1-A8
	168-71061	. Panel Assy - Radio VHF console front cockpit (see fig. 46A)		A86-J
	168-71061-10	. Panel Assy - Radio VHF console rear cockpit (see fig. 46A)		A86-J
-18	168-71016	* . Panel Assy - Radio VAR-ILS console (see fig. 46 for breakdow	n) 2	A1-A8
	168-71063	. Panel Assy - Radio VAR-ILS console front cockpit (see		
		figure 46A for detail breakdown)	. 1	A86-J
	168-71063-10	. Panel Assy - Radio VAR-ILS console rear cockpit (see		1100
	100-11005-10	figure 46A for detail breakdown)	1	A86-J
10	LIDE /II	Garden (MD)	L	A00-0.
-19	WF5/U	. Cordage (USR)	. 54 In.	
-20	U61/U	. Plug (Moulded Insulation Company)		A
-21	MC203A	. Coupling (GFP)		A
-22	Q902-20	. Clip (CAC)	. 1	A
-23	Q902-24	. Clip (CAC)	. 2	A
-24	168-71021	. Box Assy - Radio junction (see fig. 44D) for detail breakdown	) 1	A1-A8
	168-71021-10	. Box Assy - Radio junction (see fig. 44D) for detail breakdown	) 1	A86-B
	168-71021-20	. Box Assy - Radio junction (see fig. 44D) for detail breakdown	) 1	B56-J
	168-71036	. Resistor Assembly - Interphone	. î	A
	168-71036-3	Resistor Assembly - Interphone	· 1	A
				A86-J
05	168-71036-5	Resistor Assembly - Interphone	. 1	A00-0
-25	No Number	Resistor - 10 KOHMS (RC21AE103M) (JAN-R11) (used on		
		168-71036)	. 1	A
-26	No Number	. Resistor - 150 KOHMS (RC 21AE154M) (JAN-R11) (used on		
		168-71036-3)	. 1	A
	No Number	. Resistor - 180 OHMS (RC 20AE181K) (JAN-R11) (used on		
		168-71036-5)	. 1	A86-J
-27	S306CCT	. Socket (GFP)	. 1	A
-28	9902-16	Clip (CAC)		A
-29	0902-20	Clip (CAC)	. 2	A
-30	168-71011	. Bracket Assy - C4/ARN7 Radio compass control box aft	. 1	A
		Checket assy - C+/ANN Rauto Compass Control box alt	. 1	
-31	LA1564-39	. Shaft Assembly - Tuning (SWTM)	. 1	A
-32	168-71019	. Control Box Assembly - Radio (altered from C4/ARN7)	. 1	A
-33	168-71014	. Panel Assembly - Radio interphone console (see figure 46).		A1-A8
	168-71014-10	. Panel Assembly - Radio interphone console (see figure 46) .	. 1	A86-J
-34	159-71054	* . Guard - Frequency instruction card		A
	153-71172	* . Card - Frequency channel designation		A
-35	WF5/U	. Cordage (USR)	. 56 in	A
-36	U61/U	Plug (Moulded Insulation Company)	. 1	A
-37	168-71037	* Decal - Radio interphone switch		A
-38		. Decar - Madro Interprete Burton		
	AN3023-6	. Bullous - lobbic double bote outer mote modulities		A
-39	PL108	. Ilug Abbemoly - Electrical connector		A
di a	AN3054-6	* . Nut - Coupling		A
-40	NAS45-6-7	* . Panel Assembly - Electrical connector		A
-41	168-43006	Control Assembly - Rear cockpit engine (see figure 70)		
-42	168-71024	Cover Assy - Radio function box (see fig. 44D)	. Ref	
	168-71024-10	Cover Assy - Radio junction box (see fig. 440)	. Ref	
		Cover Assy - Radio junction box (see fig. 44D)		

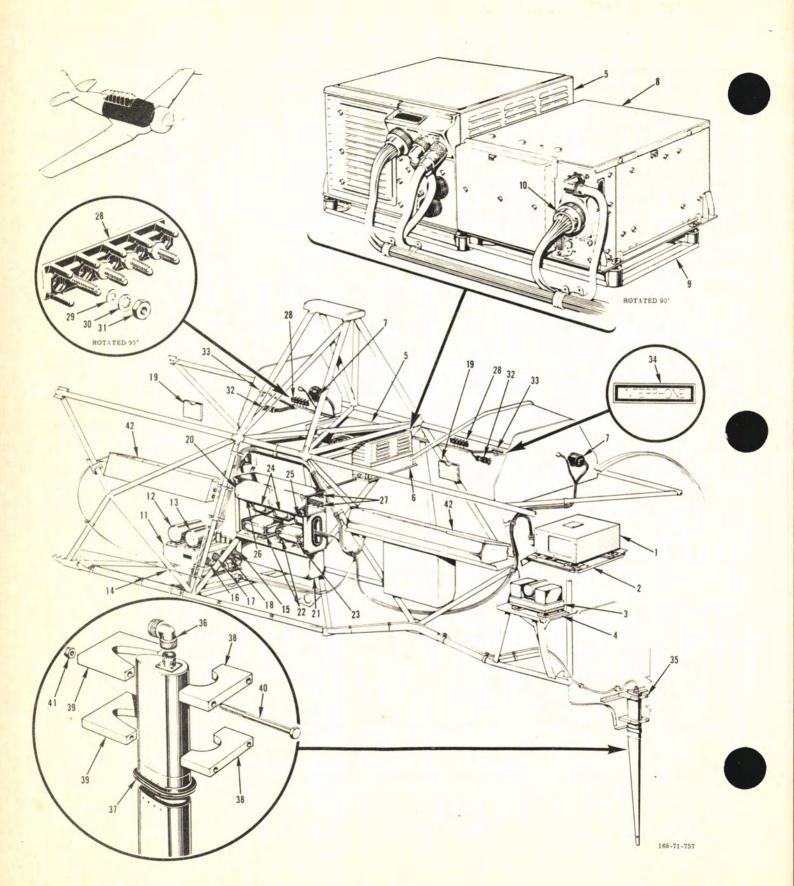
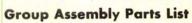


FIGURE 44A - RADIO EQUIPMENT

Section\_II\_



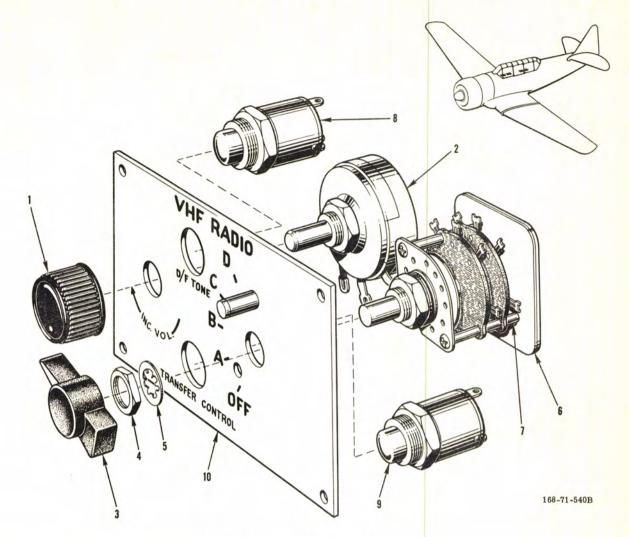
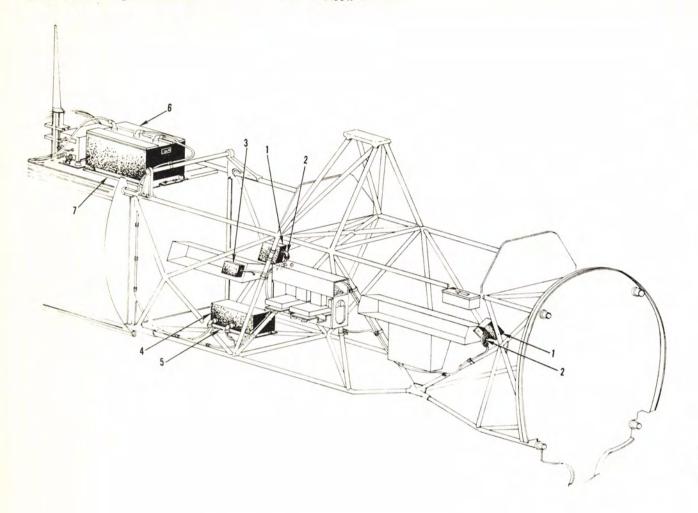


FIGURE &	PART NUMBER	1	2 3	4	5	6	7		NOMENCLATURE		UNITS PER ASSY.	APPLICATION CODE
								R	FUSELAGE (Cont) ADIO CONSOLE PANELS	3		
46A		Ra	dio Co	onso	le	Pan	els			a. a.		
	168-71061			(s	see	fig	ure	44 for	HF console front conext assembly)		Ref	A86-
	168-71061-10		Pane:	I As	sen	nbly	- R	adio V	HF console front conext assembly)	ckpit		A86-
	168-71063		Pane:	l As	sen	nbly	- R	adio V	AR-ILS console (see	figure 44		A86-
	168-71063-10		Pane:	l As	sen	nbly	- R	adio V	AR-ILS console (see	figure 44		A86-
	168-71077		Pane:	1 As	sen	nbly	- V	HF Rad	io console complete	e(see figure 44C		Z
-1	HR10		. К	dor	(Na	atio	nal	Radio	Products)		1	A86-
-2	JU1031		. Re	esis	tor	· -	Cont	inuous	ly adjustable (AB)		1	A86-
_	JU1031P3048		. Po	oter	ntic	omet	er (	R.V. W	eatherford Co.)		. 1	Z
-3	HRB10		. K	don	- F	Poin	ter	(Natio	nal Radio Products	)	. 1	A86-
-3 -4	3531		. N1	ut -	- Mo	ount	ing	(Walsc	o Products)		. 1	Z
-5	AN936A616		. Wa	ashe	r -	- To	oth	lock			1	Z
-5 -6	168-71065		. St	witc	h A	Asse	mbly	- Rad	io channel selector		. 1	A86-
	44004H2			SW	vito	ch A	ssem	nbly -	Selector (OAK)		. 1	A86-
-7	168-71065-3			Sp	pace	er -	Rad	lio cha	nnel selector		. 1	A86-
-8	C1006		. SI	wito	ch (	(use	d on	168-7	1061, 168-71061-10	and 168-71077		.00
-	150000				Or	nlw)	(RH	(2)			. 1	A86-
-9	C1006		. SI	wito	ch (	(use	d or	168-7	1061 and 168-71063	only) (RHS)	. 1	A86-
	C31006		G.	+ 1-0	h	11100	d on	168-7	1063-10) (RHG)		. 1	A86-
-10	168-71062		P	anel	I As	VRE	- Ra	dio VH	F console (used on	168-71061 only)	. 1	A86-
-	168-71062-10		P:	anel	1 As	SSV	- Ra	dio VH	F console (used on	100-(1001-10) .		A86-
	168-71064		P	anel	1 As	VRF	- Ra	dio VA	R-TLS console (used	on 168-71063).	. 1	A86-
	168-71064-10		P	anel	1 As	RRV	- Ra	dio VA	R-ILS console (used	on 168-71063-10)	. 1	A86-
	168-71076		. P	anel	L As	ssy	- VH	IF Radi	o console (used on	168-71077)	. 1	Z



H-182-71-9

FIGURE 46B - SCR 522 RADIO COMPLETE

FIGURE &	PART NUMBER		UNITS R ASSY.	APPLICATION CODE
		FUSELAGE (Cont) SCR522 RADIO COMPLETE		
46B -1 -2 -3 -4 -5 -6	182-71004 BC602-() 182-71031 182-71030 PL-Q169 M299 S306CCT PE94-() FT498 182-71052 CS80-() BC625-() FT244A DC11A TC11A DC11A DC11A TC11A	Radio SCR522 Installation - Complete (see fig. 1 for next assy).  Control Box (GFP)  Bracket - Radio control box front cockpit mounting  Bracket - Radio control box front cockpit mounting  Plug - Right angle (GFP)  Adapter - Microphone (GFP)  Receptacle (GFP)  Dynamotor (GFP)  Mounting Plate (GFP)  Shelf - Radio dynamotor unit SCR522  Trans-ceiver Case (GFP)  Receiver (GFP)  Rack (GFP)  Crystal Unit (7550KC) (GFP)  Crystal Unit (7010KC) (GFP)  Crystal Unit (7660KC) (GFP)  Crystal Unit (7650KC) (GFP)  Crystal Unit (8200KC) (GFP)  Crystal Unit (8200KC) (GFP)  Crystal Unit (8392KC) (GFP)  Crystal Unit (8423.08KC) (GFP)  Plug (GFP)  Plug (GFP)  Plug (GFP)  Mounting Plate (GFP)  Mounting Plate (GFP)  Mounting Plate (GFP)  Mounting Diagram And Chart - SCR522A radio	NP 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	K,**1 **********************************

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FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
		FUSELAGE (Cont) FUSELAGE STATION 106.268 TO STATION 242.19 RADIO EQUIPME	INT	
45	No Number	Fuselage Station 106.268 to Station 242.19 Radio Equipment	1111	
2	aa90a	(see figure 44 for next assembly)		A
-1	CS8OC DC11A	. Case - Transmitter receiver (GFP)	-	A
	DC11A	Crystal Unit (7010KC) (GFP)		A A
	DC11A	Crystal Unit (7660KC) (GFP)		A
	DC11A	. Crystal Unit (6750KC) (GFP)		A
	DC11A	. Crystal Unit (8200KC) (GFP)	. 1	A
	DC11A	. Crystal Unit (8155.71KC) (GFP)		A
	DC11A	. Crystal Unit (8392KC) (GFP)		A
-2	DC11A BC625AM	. Crystal Unit (8423.08KC) (GFP)		A
-3	BC624C	Transmitter (GFP)		A A
-4	FT244A	Rack (GFP)		A
-5	FT488	. Mount (GFP)		A
-6	PL-Q169	. Plug (GFP)	. 1	A
-7	PL-Q170	. Plug (GFP)		A
-8 -9	M359A	. Adapter (GFP)		A
-10	PL271 PE94C	. Adapter (GFP)		A
-11	FT498	. Mount (GFP)		A
-12	PL-Q171	Plug (GFP)		A
-13	PL-Q172	. Plug (GFP)		A
-14	AN3106-20-4S	. Plug - Electrical connector straight		A
	AN3057-12	. Adapter - Electrical accessory to cable		A
-15 -16	778-4B	. Inverter (GFP)	. 1	A
-17	R5A/ARN7	Receiver - Compass (GFP) (R5/ARN7 may be substituted)	. 1	A
-18	FT213(A) PL122	. Mounting (GFP)		A
-10	118-1-1000	. Nut - Coupling (BC)		A A
-19	LA1564-93	. Shaft Assembly - Tuning (SWTM)		A
-20	MC136	. Coupling (GFP)		A
-21	PL259A	. Plug - Safetying (GFP)		A
-22	RG8/U	. Cable - Co-axial	. 36 in.	A
-23	168-71071	Receiver Assembly - BC1033B Radio	. 1	Al-F5
	CAN15 168-71071-5	Capacitor - Carnell Rublier (Kierulff and Co.)		Al-F5
	168-71071-3	. Receiver (made from BC1033B) (GFP)	: 1	A1-F5 A1-F5
	BC1033B	. Receiver (GFP)		F6-J57
-24	FT161	. Mount (GFP)		A
-25	PL108	. Plug (GFP)		A
-26	88-71271-7	. Cable Assembly - Marker beacon receiving equipment	. 1	A
-27 -28	PL219 MC277	Plug (GFP)	. 1	A
-29	TM201	Coupling (GFP)		A
-30	RG8/U	. Cable (AMP)		A A
-31	168-71055	. Mast - Marker beacon antenna		A
-32	AN392-7	. Pin - Clevis 1/8	. 2	A
-33 -34	AN115-32	. Shackle - Cable	. 1	A
	147-54746	. Spring - Antenna		A
-35 -36	AN392-9 82-71719-5	Pin - Clevis 1/8		A
-37	IN88	. Antenna Assembly - Marker beacon receiving		A
-38	M275	. Nut - Lead-in (GFP)	. 1	A
-39	W106A	Wire - Antenna (GFP)		A
-40	5T9-5	Lug - Insulator attaching (NA)		A
-41	AN392-19	Pin - Clevis 1/8		A
-42 -43	168-71033-5	. Support - VHF Antenna mast		A
-44	168-71033-3 109-71025	Support - VHF Antenna mast		A
-45	M359A	Adapter (GFP)		A
-46	AN104B	. Antenna Mast (GPP)		A
-47	IN79	. Insulator (Pacific Clay Products Co.)	. 1	A
-48	IN88	. Insulator (GFP)	. 2	A
-49	88-71080	. Link Assembly - Radio antenna rear		A1-A85
-50 -51	AN200K3L 68-71077	. Bearing - Heavy duty ball		A1-A85
-51 -52	W106A	<ul> <li>Spring Assembly - Radio antenna attaching</li> <li>Wire - Antenna (Copperweld Steel Co.)</li> </ul>		A A 8 E
-53	CD365	Cordage (GFP)		A1-A85 A
-54	PL112	. Plug (GFP)		A
	AN3054-10	. Nut - Coupling	. 1	A
-55	LP21LM	. Loop - Compass (GFP)	. 1	A
-56	No Number	. Dehydrator (GFP)		Α
E 7				
-57 -58	W106A 168-71031	<ul> <li>Wire - Antenna (Copperweld Steel Co.)</li></ul>		A86-J57 A86-J57

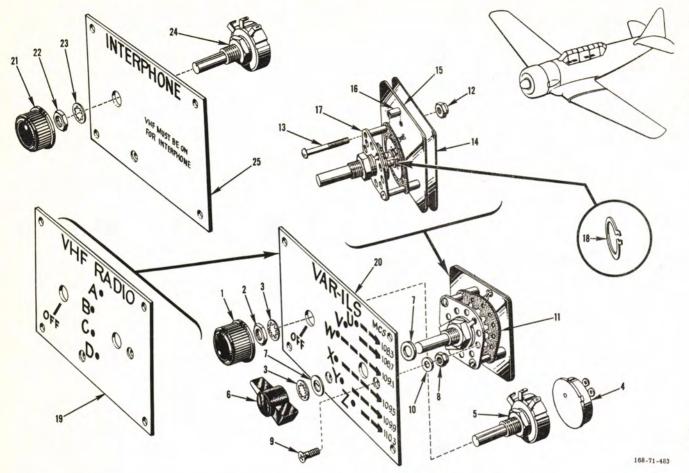


FIGURE 46 - RADIO CONSOLE PANELS

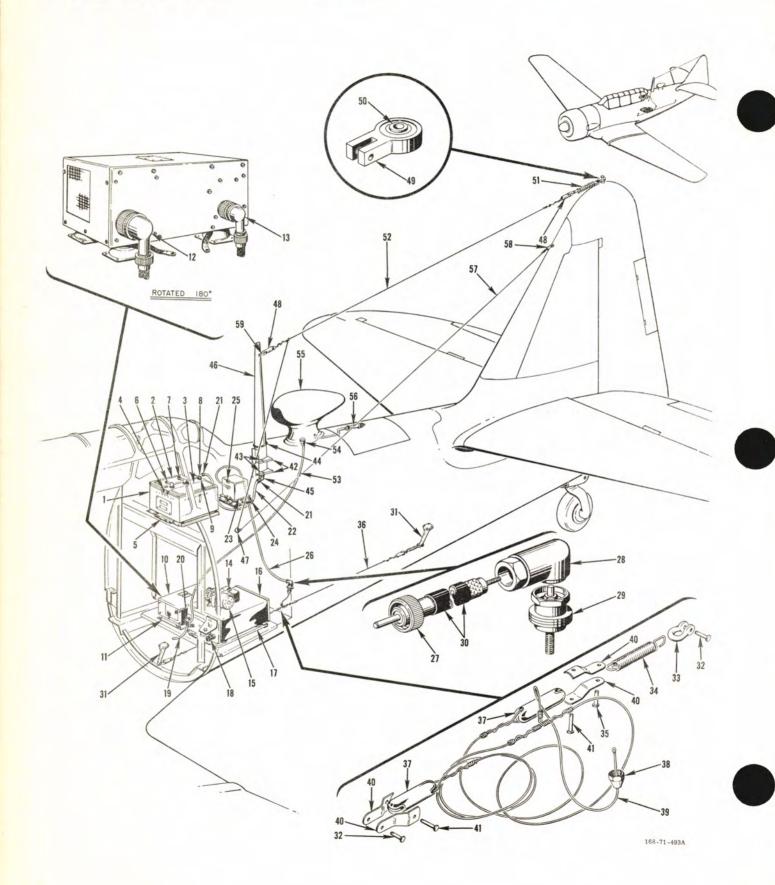
FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
		FUSELAGE (Cont) RADIO CONSOLE PANELS		
1.0		Radio Console Panels		
46	. (0 53.030	. Panel Assembly - Radio VHF console (see figure 44 for		
	168-71012	. Panel Assembly - Radio var console (see lighte 44 101	Ref	ALL
		next assembly)	1101	KILL
	168-71016	. Panel Assembly - Radio VAR-ILS console (see figure 44	Ref	ALL
		for next assembly)	1	
-1	HR10	Knob (National Radio Products)	1	ALL
-2	3531	Nut - Mounting (Walsco Products)	1	ALL
-2 -3 -4 -5 -7 -8	AN936A616	Washer - Internal teeth lock	2	ALL
_11	K-10	Switch Cover - SPDT (CN)	1	A1-A8
	V137	Control - Wire wound (CN)	1	A1-A8
-5	HRB-10	Knob - Pointer (National Radio Products)	1	ALL
-0		Washer - Plain	2	ALL
-7	AN960-616	. Nut - Self locking 250° F	1	ALL
	AN365-632	Screw - Drilled fillister head machine fine thread	1	ALL
-9	AN507-632R7	Screw - Drilled fillister head machine time thread	1	ALL
-10	AN960-6	Washer - Plain	1	
-11	168-71047	Switch Assembly - Radio channel selector	1	Al-A8
-12	AN365-440	Nut - Self locking 250° F	2	Al-AS
-13	AN515-4R24	Screw - Round head machine coarse thread	2	Al-A8
-14	168-71049		1	A1-A8
	168-71049	Insulator - Radio selector switch guard	1	Al-A8
-15		Spacer - Rivet	2	A1-A8
-16	NAS42DD4-18	Switch - Rotary selector (CN)	1	Al-A8
-17	1401-395486386	Switch - Rotary Selector (CN)	1	Al-A
-18	NAS51-21	Ring - External retainer	1	Al-A
-19	168-71013	Panel - Radio VHF console (used on 168-71012)	1	
-20	168-71017	Panel - Radio ILS-VAR console (used on 168-71016)	1	Al-A8
	168-71014	. Panel Assembly - Radio interphone console (see figure 44		
	100-11011	for next assembly)	Ref	Al-A8
	168-71014-10	. Panel Assembly - Radio interphone console (see figure 44		
	100-11014-10	for next assembly)	Ref	A86-
		Knob (National Radio Products)	1	ALL
-21	HR10	Knob (National Radio Florances)	1	ALL
-22	3531	Nut - Mounting (Walsco Products)	î	
-23	AN936A616	Washer - Internal teeth lock	1	ALL
-24	V137	Control - Wire wound (CN)	1	Al-A8
	JU1031P3048	Control (AB)	1	A86-
-25	168-71015	. Panel - Radio interphone console	1	ALL

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FIGURE & NDEX NUMBER	PART NUMBER	1	2	3 4	5	6	7	NOME	NCLATURE			PER ASSY.	COD
	FUS	ELAGE	STA	TION	106	1/2	TO	FUSEL STATION 158	AGE (Cont) 1/4 FUSELAGE	RADIO	EQUIPMENT	(Cont)	
4F-13	AN931-14s26 182-71271		Cab	Te A	ssemi	VIc.	- M	arker beacon	receiving equ	ipment	t	1	K-,* K-,*
-14	RG81U		6	Cabl	- 0	AMP	)					77 11	n.K-,*
-15	PL259A			Plug	- (1	AMP)						2	K-,*
-16	M359A		Ada	pter	- (1	AMP)		250° F coars	thrond			· · 1	K-,*
-17 -18	AN365-632 AN515-6R14		Nut	- S	POUR	lock	ing	250 F coars	e thread			14	K-,*
-19	AN960D6L	•	Was	her .	- Pla	ain						4	K-,*
-20	AN104B		Ant	onno	_ 771	117						1	K-,*
-21	AN365-632		Mint	_ 0	olf '	lock	ing	250° F				6	K-,*
-22	AN515-6R8		Ser	ew -	Roun	nd h	ead	coarse threa	d			6	K-,*
-23	AN365-428		Nut	- S	elf .	lock	ing	250° F				4	K-,*
-24	AN960C416L		Was	her	- P18	aln	· + 0	nna mast				4	K-,*
-25 -26	168-71033-7 AN364-428		Mut	por.c	alf.	lock	ing	nna mast thin 250° F				4	K-,*
-27	168-71087		Bol	t	Radio	o an	ten	na support .				4	K-,*
-28	168-71033-9		Sup	port	- VI	HF a	nte	nna mast				2	K-,*
-29	109-81025		Gro	mmet.	- A1	V104	A a	ntenna mast .				1	K-,*
-30	PL259A		Plu	g -	ANter	nna	(AM	P)				1	K-,*
	M359A		Ada	pter	- A	nten	na	(AMP)				1	K-,*
-31	AS313A/ARN6		Com	pass	Loop	0 -	(GF	P)				1	K,V,
20	LP21LM		Com	pass	Loop	0 .		und head fine	thread			14	W-,* K,V,
-32	AN520-10R10		Scr	ew -	Maci	tnic	ro	und head fine connector ang	le 90°			1	K.V.
-33	AN3108A16S1S AN3057-8A		Ada	nter	- E	lect.	ric	al accessory	to cable			1	K,V,
	AN3420-8		Bus	hing	- C:	able	cl	amp telescopi	ng			1	K, V
-34	R122/ARN12		Rec	eive	r - 1	Mark	et	beacon (GFP)				1	K-,
-35	AN3106B18-9S		Din	C+	2700	+nto	27	connector and	1e 90°			1	K-,
	AN3057-10A		Ada	ntan	- F	lect	nic	al accessory	to cable			1	K-,
	AN3420-10		Bus	hing	- Ca	able	cl	amp telescopi rker beacon r	ng			1	K-,
-36	MT589/ARN12		Mou	ntin	g Ba	se -	Ma	rker beacon r	eceiver (GFP)			1	K-,
-37	AN365-632		Nut	- S	Mod	LOCK	ing	250° F und head fine	thread			8	K-,
-38 -39	AN515-6R8 T67/ARC3		Tre	nsmi	tten	THE	HE I,O	(GFP)	onreau			: : 1	K-,
-39	PL259A		P711	or -	(AMP	)						1	K-,*
-41	M359A		Ada	nter	- (	AMP)						1	K-,+
1.2	CR1A/AR		Cry	gtal	- A	han	d 7	550 kc (GFP)				1	K-,+
	CR1A/AR		Crv	stal	- B	han	d 7	010 kc				1	K-,
	CR1A/AR		Cny	stal	- 0	han	d 7	660 kc				1	K-,
	CR1A/AR		Cry	stal	- D	ban	d 6	750 kc				1	K-,
	CR1A/AR		Cry	stal	- G	ban	d 7	600 kc 450 kc				: : 1	K-,4
110	CR1A/AR		Cry	stal	- H	ban	a /	450 KC				1	K-,
-42 -43	PL151A U15/U		Plu	8 -	CED			: : : : : : :				1	K-,
-43	144-54071-10		COV	er A	ggem	hlv	_ F	lectrical con	nector plug			1	K-,
-44	MT238/ARC3		Mou	ntin	g Ba	se -	Tr	ansmitter (GF	P)			1	K-,
-45	AN365-1032		Nut	- S	elf	lock	ing	250° F				8	K-,
-46	AN520-10R8							und head fine					K-,
-47	CU65/ARN6		Cou	plin	g Un	it -	(G	FP)				2	K,V
-48	R101A/ARN6		Rec	eive	r -	Radi	0 0	ompass (GFP)				1	K, V W-,
	R5A/ARN7		Com	pass	Rec	eive	r					1	W-,
	FT213(A)		P711	CT.									W-,
	118-1-1000		Con	nlin	o Nu	t						1	W-,
	LA1564-93		Tun	ina	Chaf	+						1	W-,
	MC136		Cou	plin	g .			- (GFP)				1	W-,
-49	CG405/ARN6		Sen	se A	nten	na C	ord	- (GFP)				1	K, V
-50	CG132/ARN6		T	- 0-		( 013	TO \						K,V
-51	LAL564-(31 1/2)		Tun	ing	Shaf	t Re	cei	ver - (ARN-6)	(SWTM)			1	K,V
-52	MT273B/ARN6		Mon	ntin	Ø Ra	88 -	Re	ceiver (GFP)					K, V
-53 -54	AN365-832 AN515-8R8		Scr	ew -	Mac	hine	ro	und head coar	se thread .			16	K, V
-55	AN931-10-14		Gro	mmet	- E	last	ic					3	K, V
-56	AN931-10S20		Cno	mmat	E	100+	10					1	K, V
-57 -58	AN3100A36-7P		Rec	enta	cle	- El	ect	rical connect	or wall mount	ing .		1	K-,
-58	AN365-832		Nut	- S	elf	lock	ing	250° F				4	K-,
-59	AN960D8L		Was	her	- P1	ain		und head coar	an throad			4	K-,
-60	AN515-8R10		Scr	ew -	Mac	nine	ro	connector str	aight			1	K-,
-61 -62	AN3106B36-7S AN3057-24		Ala	ntan	Fiec	lect	pio	al accessory	to cable			2	K-,
-63	CU65/ARN6		COL	nlin	o IIn	1 t	(GH	P)				1	K,V
-64	AN-ASA3		C+ c	440	Diga	hone	non	- (Predentak	Flader)			12	K-,
-65	AN515-6R10		Son	ew -	Mac	hine	re	und head coar	se thread .			24	K-,
-66	AN961-6		Was	han	_ 171	at a	700	tnical				24	K-,
-67	168-71031		Lin	k -	Ante	nna	ins	ulator to ver	t. stabilizer	atta	ching	2	K-,
-68	AN365-832		Nut	- S	elf	Lock	ing	250° F	and through			2	K-,
-69	AN515-8R7		Scr	ew -	Mac	nine	ro	'8	se thread .			1	K-,
-70	AN392-7 4S3-8-4		cno	con	- Bo	1+ (	MA.					1	K-,
-71 -72	1L5/U		Str	ain	Then	lato	m -	(Dayton Airc	raft)			1	K, V
			100 100 100										W-, 4
-12	IN-88		Ins	ulat	or (	Paci	fic	Clay Product	s)			1	w-,

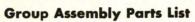


TRANS AMERICAN AVIATION CORP.
P. O. BOX 755

MJAMI 4B, FLA, AN 01-60FFA-4 Section\_\_\_II

**Group Assembly Parts List** 

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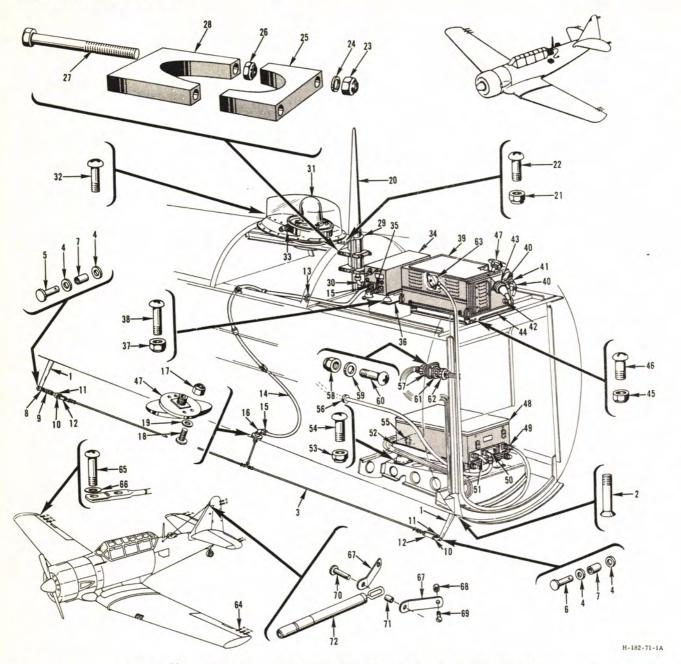


FIGURE &	PART NUMBER	- RADIO EQUIPMENT FUSELAGE STATION 106 1/2 TO STATION 158 1/2  1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
	FUSELAGE	FUSELAGE (Cont) STATION 106 1/2 TO STATION 158 1/4 FUSELAGE RADIO EQUIPMENT		
44F	No Number	Fuselage Radio Equipment - Fuselage station 106 1/2 to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

FIGURE & NDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE UNITS PER ASSI	. CODE
		FUSELAGE (Cont) COMPLETE FUSELAGE RADIO EQUIPMENT	
4E	182-71001	Radio Equipment Installation - Fuselage complete (see figure 1 for next assembly)	K.V.*
	197-71001	Radio Equipment Installation - Fuselage complete (see figure 1 for next assembly)	W,*1
	No Number	. Fuselage Radio Equipment - Fuselage station 106 1/2 to station 158 1/4 (see fig. 44F for detail breakdown) NP	K-,*1
-1	168-71078-10	Box Assembly - Radio junction box (see figure 460 for detail breakdown)	K-,*1
-2	AN365-1032	. Nut - Self locking 250° F	K-,*]
-3 -4	AN960D10	. Washer - Plain	K-,*
-5	AN3-10A NAS43DD3-28	Spacer - Screw and bolt	K-,*
-6	AM142/A1C	Mixen Amplifier (CEP)	K-,*
-7	AN3057-6A	Adapter - Electric accessory to cable	K-,*
-8	AN3420-6	Bushing - Cable clamp telescoping	K-,*
-9	AN3108B14S2S J68/ARC3	Plug - Electrical connector angle 90°	K-,*
-10	PL153A	Diver Down function how (CEP)	K-,*
-11	U15/U	Plug - Power junction box (CED)	K-,*
-12	U16/U PL148A	Plug - Power junction box (CED)	K-,*
-13	144-54071-10	Cover Assy - Electrical connector plug	K- *
-14	DY21/ARC3	Dynamotor Unit - Power junction box (GFP)	K-,*
-15	DY22/ARC3	Dynamotor Unit - Power junction box (GFP)	K-,*
-16	MT236A/ARC3	Mounting Base - Power junction box (GFP)	K-,*
-17 -18	AN365-1032 AN520-10R8	Screw - Machine round head fine thread	K-,*
-19	R77A/ARC3	Peceiver - VHF (CFP)	K-,*
	CR1A/AR	Crystal - A band 8200 KC	K-,*
	CR1A/AR	Crystal - B band 8155.71 KC	K-,*
	CR1A/AR CR1A/AR	Courated D hand 8122 08 VC	K-,*
	CR1A/AR	Chystal - C hand 8320 KC	K-,*
	CR1A/AR	Crystal - H band 8140 KC	K-,*
-20	PL259A	Plug - Receiver (AMP)	K-,*
-21	M359A PL153A	Plug - Receiver (AMT)	K-,*
-23	MT237B/ARC3	Plug - Receiver	K-,*
-24	AN365-1032	Nut - Self locking 250° F	K-,*
-25 -26	AN520-10R8	. Screw - Machine round head fine thread	K-,*
-27	AN3436-2-7 AN365-440	Nut - Self locking 250° F	K-,*
-28	AN960D4L	Washen - Plain	K-,*
-29	AN515-4R6	Sorrey - Machine round head coarse thread	K-,*
-30	AN3433-2-2	Bus - Terminal block	K-,*
-31 -32	AN3023-8 AN515-6R7	Canon Machine round head coarse thread	K*
-33	PL108	Plug - (Rendix Radio, Raltimore, Maryland)	K-,*
-33 -34	AN3054-6	Nut - Conduit counling	K7
-35 -36	AF28	Ferrule (female portion only) (SIE)	K-,*
-37	C695/A1C 159-71090	Adapter Assembly - Padio interphone control panel	K-,
-38	AN365-832	Nut - Self locking 250° F	K-,
-39	AN515-8R8	Screw - Machine round head coarse thread	K-,*
-40	C403A/A 168-71090	Plate - Padio compass console control closeout	W +
-41	AN365-832	Nut - Solf looking 250° F	K,V,
-42	AN515-8R10	Conew - Machine round head coarse thread	K,V,
-43	157-71041	Adapter Assembly - AN/ARN6 radio compass control panel	K-,
-44 -45	AN365-832 AN515-8R8	Screw - Machine round head coarse thread	K-,4
-46	C404A/A	Control Panel - WHE (GEP)	K-,
-47	157-71042	Adapter Assembly - AN/ARC3 radio control panel	K-,
-48	171-71028-11	Panel Assembly - Transfer control edge lighted radio 2  . Light Assembly - Press to test indicator	K-,
-49 -50	AN3157-3 AN3121-313	ramp - T-3 1/4 bulb single contact miniature bayonet base . 1	K-,
-51	AN3502-2A	Teacht Assembly - Control panel plastic lighting plate 2	K-,
	GE327	Bulb - Light assembly (GE)	K-,
-52	AN3021-3	Switch - Toggle single pole one hole mounting 1 Plate - Radio transfer control plastic lighting 1	K-,
-53 -54	171-71027 171-71026	plate Assembly - Radio transfer control	K-,
-55	171-71029-3	Cover - Radio transfer control edge lighted panel 1	K-,
-55 -56	182-71029	Panel A sembly - Radio control (C790/ARA26)	K-,
57	CP29A1DF103M	Capacitor - Console assembly	K- ,
-57 -58	LA1564-(76) LA1564-(23 1/2)	Tuning Shaft - (ARN-6) rear cockpit console (SWTM)	K, V
	MC203	The Counting - Tuning shaft (GFP)	N. V
-59 -60	Q901-16	. Clamp (CTA)	K.V.
	AN365-1032	Dolt Aimonoft	K.V.
-61	AN3-14A AN3106A14S2S	Plug - Indicator	K, V
			W-,
	PL118	Plug	K-,

#### Section\_\_II

## **Group Assembly Parts List**

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION
		FUSELAGE (Cont) COMPLETE FUSELAGE RADIO EQUIPMENT		
44E-63	AM300/AlC	. Interphone Amplifier - (GFP)	1	K1-Q13
-64	AM26/Alc MT677/Alc	. Interphone Amplifier - (GFP)	:: 1	S12-,* Q14-S1 K1-Q13
	AN365-632	. Nut - Self locking 250° F	16	S12-,* K1-Q13
	AN960D6L	. Washer - Plain	16	S12-,* Kl,Q13
-65	MT28/ARN5 182-71041 AN3108A16S1S	Mounting Base (GFP) Mounting Adapter - AM26/AlC interphone amplifier Plug - Electrical connector angle 90°	: : 1 : : 1	\$12-,* Q14-\$1 Q14-\$1 K1-Q13
-66	AN3057-8A	. Adapter - Electrical accessory to cable	1	S12-,* K1-Q13
-67 -68 -69	PL152A AN515-6R8 AN515-6R10 WF-F/U U61/U	Plug	8 8	S12-,* Q14-S1 K-,*1 K-,*1 K-,*1

<sup>\*1</sup> Reworked Per T. O. No. 01-60FFA-47

# Section\_\_\_II\_\_ Group Assembly Parts List

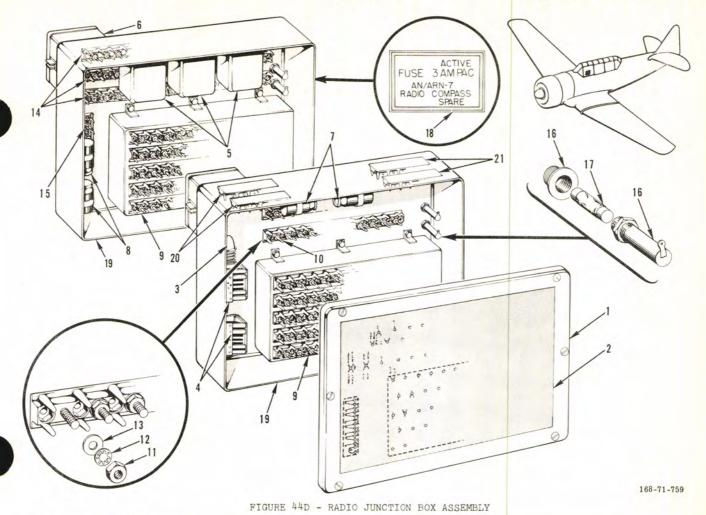
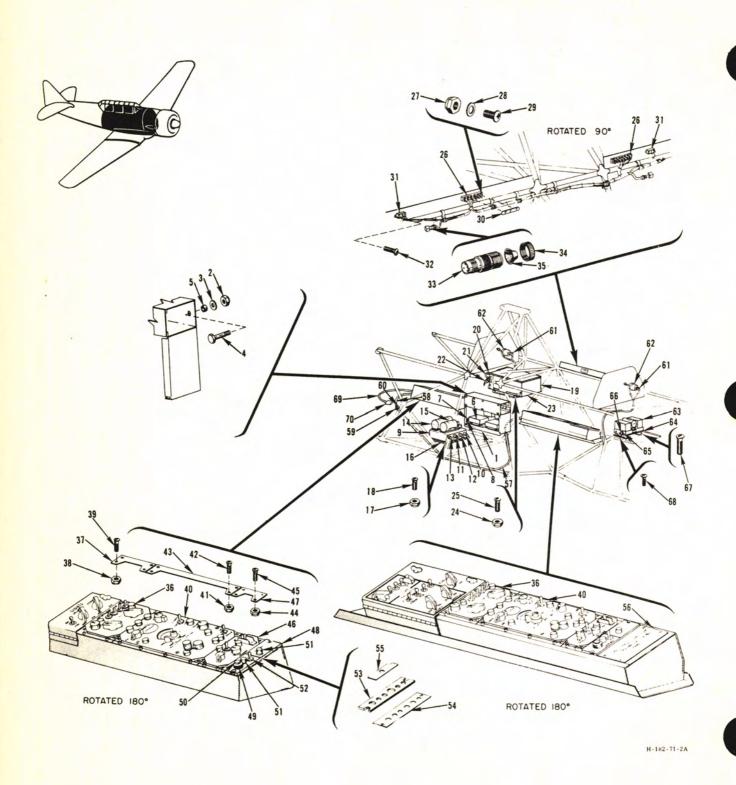


FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
		FUSELAGE (Cont) RADIO JUNCTION BOX ASSEMBLY		
44D	168-71021	Box Assy - Radio junction (see fig. 44 for next assembly) .	NP	A1-A85
	168-71021-10		. NP	A86-B55
	168-71021-20	Box Assy - Radio junction (see fig. 44 for next assembly) .		B56-J57
-1	168-71024	. Cover Assembly - Radio junction box		A1-A85
	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-A85
	168-71034	Chart - Radio junction box	1	A86-B55
	168-71043	Chart - Radio junction box		B56-J57
-3	A8116-1	. Relay (ADE) (2 reg 237EAU may be substituted) (LR)		A1-A85
	A8116-1	. Relay (ASE) (2 req 237EAU may be substituted) (LR)		A86-B55
-24	1029A7SW	. Relay (SD)		A86-B55
-5 -6	182ADXS7	. Relay (SD)		B56-J57
-6	M299-( )	. Adapter - Microphone (H43B14392) (GFP)		A
-7	3DBK1250		. 2	A1-B50
-8	3DBK1250	. Capacitor - Electrolytic (signal corps) (AD3606) (GFP) .	-	B51-J57
-9	BK22E	. Relay (AD3572) (GFP)		A
-10	NAS45-6-14	. Panel Assembly - Electrical connector	. 3	A1-B55
-11	AN340-6	. Nut - Light hexagon coarse thread		A1-B55
-12	AN936A6	. Washer - Tooth lock		A1-B55
-13	AN960-6	. Washer - Plain		A1-B55
-14	NAS45-6-20	. Panel Assembly - Electrical connector		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)		A
-17	3AG	. Fuse (LTF)		A
-18	168-71022	. Decal - Radio junction box fuse identification	1	A
-19	168-71023	. Shield Assembly - Radio junction box		A1-A85
	168-71023-10	. Shield Assembly - Radio junction box		A86-B55
	168-71026	. Shield Assembly - Radio junction box		B56-J57
-20	NAS45-6-6	. Panel Assembly - Electrical connector	1	A86-B55
-21	NAS45-6-7	. Panel Assembly - Electrical connector	1	A86-B55



MIAMI 48, FLA.

Section\_II

AN 01-60FFA-4

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATIO 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)	NP	Z
-1	cs8oc	. Case - Transmitter receiver (GFP)		Z
-1	DC11A	Crystal Unit (7810 K.C.) (GFP)		
				Z
	DC11A	. Crystal Unit (7010 K.C.) (GFP)		Z
	DC11A	. Crystal Unit (7660 K.C.) (GFP)	-	Z
	DC11A	. Crystal Unit (6750 K.C.) (GFP)		Z
	DC11A	. Crystal Unit (8036.25 K.C.) (GFP)	1	Z
	DC11A	. Crystal Unit (8155.71 K.C.) (GFP)	1	Z
	DC11A	. Crystal Unit (8392 K.C.) (GFP)		Z
	DC11A	Crystal Unit (8423.08 K.C.) (GFP)		Z
-2	BC625AM			
				Z
-3 -4	BC624C	. Receiver (GFP) (BC624AM may be substituted) (GFP)		Z
-4	FT244A	. Rack (GFP)		Z
-5 -6	FT488	. Mount (GFP)	1	Z
-6	PL0169	. Plug (GFP)	1	Z
-7	PLQ170	Plug (GFP)	_	Z
-8	M359A	. Adapter (GFP)	-	Z
-9	PL271			
		. Plug (GFP)		Z
-10	R101A/ARN6	. Radio Compass (GFP)		Z
-11	MT273B/ARN6	. Mounting (GFP)	1	Z
-12	AN104B	. Antenna Mast (GFP)	1	Z
-13	M359A	. Adapter (GFP)	1	Z
-14	109-71025	. Seal - AN104B Antenna mast		Z
-15	168-71033-3	. Support - VHF Antenna mast		Z
-16	168-71033-7			
		. Support - VHF Antenna mast		Z
-17	168-71087	. Bolt - Radio antenna support		Z
-18	AN365-428	. Nut - Self locking 250°F		Z
-19	168-71402	. Housing (GFP)	1	Z
-20	AS313A/ARN6	. Antenna - Loop (GFP)(AS313B/ARN6(GFP) may be substituted)	1	Z
-21	88-71271-7	. Cable Assembly - Marker beacons receiving equipment	1	Z
-22	PL219	Plug (GFP)		Z
-23	MC277	Coupling (GFP)		Z
-24	TM201	Terminal (GFP)		Z
-25	RG8/U			
		Cable (GFP)		Z
-26	168-71055	. Mast - Marker beacon antenna		Z
-27	AN392-7	. Pin - Clevis 1/8	2	Z
-28	AN115-32	. Shackle - Cable	1	Z
-29	147-54746	. Spring - Antenna	1	Z
-30	AN392-9	. Pin - Clevis 1/8		Z
-31	82-71719-5	. Antenna Assembly - Marker beacon receiving		Z
-32	IN88			
		Insulator (GFP)		Z
-33	M275	Nut - Lead-in (GFP)		Z
-34	W106A	Wire - Antenna (GFP)	10 ft.	Z
-35	2L6-2	Lug - Insulator attaching (NA)	14	Z
-36	AN392-19	Pin - Clevis 1/8	2	Z
-37	W106A	. Wire - Antenna (Copper Mold Steel Co.)	12 ft	Z
-38	168-71031	Link - Antenna insulator to vertical stabilizer attaching	2	Z
-39	168-71077	. Spring Assy - Radio antenna attaching		
-40	IN88	Insulator (GFP)	1	Z Z
	11/100			

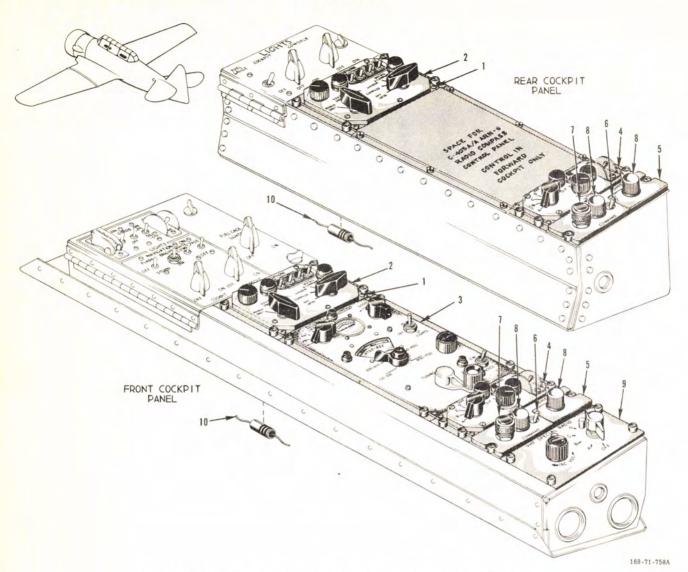


FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
		FUSELAGE (Cont) FRONT AND REAR COCKPIT RADIO CONSOLE PANEL ASSEMBLIES		
14C	No Number	Front and Rear Cockpit Radio Console Panels RH(see figure		_
		44A for next assembly)	NP	Z
-1	AN515-6R7	. Screw - Machine round head coarse thread	24	Z
	AN362-632	. Nut - Plate self locking non-countersunk 550°F	24	Z
-2	C695/AIC	. Panel - Interphone control (GFP)	2	Z
	159-71090	. Adapter Assembly - Radio interphone control panel	. 4	Z
	PF3 1-2 -38	. Fastener (DZ)		Z
	PS3 1-2	Spring (DZ)		Z
	PC3 1-2	Cup (DZ)		Z
2		Panel - Control (GFP) front cockpit only	2	Z
-3	CHO3A/A		_	4
	168-71090	. Plate Assy - Radio compass console control close out (aft	7	Z
		cockpit only)		
	157-71041	. Adapter Assy - AN/ARN6 Radio compass control panel		Z
	PF3 1-2 -38	Fastener (DZ)		Z
	PS3 1-2	Spring (DZ)	3	Z
	PC3 1-2	Cup (DZ)	3	Z
-4	C404A/A	. Panel - VHF Command control (GFP)	2	Z
	157-71042	. Adapter Assy - AN/ARC3 Radio control panel		Z
	PF3 1-2 -38	. Fastener (DZ)		Z
	PS3 1-2	Spring (DZ)		Z
	PC3 1-2	Cup (DZ)		Z
-		Panel Assy - Transfer control edge-lighted radio	2	Z
-5 -6	171-71028-11	. Panel Assy - Transfer Control edge-lighted radio	2	Z
-6	AN3021-3	Switch - Toggle single pole one hole mounting		
-7 -8	AN3121-313	Lamp - T3 1/4 Bulk single contact miniature bayonet base		Z
-8	AN3502-2A	Light Assy - Control panel plastic lighting plate		Z
	GE327	Bulb (GE)	2	Z
-9	:68-71077	. Panel Assy - Radio VHF console complete (fwd cockpit only)		
		(see figure 46A for detail breakdown)	1	Z
-10	CP29A10F103M	. Capacitor (SPR)		Z

### PASSARS   Format   Format	FIGURE & INDEX NUMBER	PART NUMBER	1	2	3	4	5	6	7		NOMEN	CLATURE							UNITS PER ASSY.	APPLICATIO CODE
No Number																				
For next assembly    No Number	44A	168-71401	Ra	dio	SVS	tem	Fo	niir	ment	- Thei				1000	£1	OT LYN	2 1			
Figure 44B for detail breakdown   NP	778	100-/1401	Na	u i o															NP	Z
PE940		No Number		Fus	sela	ge	Sta	tic	n 10	06.5	0 242.19	Radio	Equip	ment	(s	ee			110	-
Pi-Q17	-1	PEG4C		Dyr	amo	tor	ure	1+	CEL	or det	tall brea	kdown)								
Pf-Q171																			_	
FI-0172																				
-A MPG77/ARC Mounting (GPP)							)												1	
-5	-3																			
CRIA/AR																				
CRIA/AR	-6								P) .										-	
CRIA/AR	-0								550											
CRIA/AR						_								7				-		
CRIA/AR																			-	
CRIA/AR 7				Cry	sta	1 U	nit												1	
-7 AN3106A1482S   Plug - Electrical connector straight   2 Z Z RA37057-6   Adapter - Electrical accessory to cable   2 Z Z RECTION   162-71082   Shelf Assy - Radio and transmitter   1 Z CRIA/AR   Crystal Unit (8200 K.C.) (GFF)   1 Z CRIA/AR   Crystal Unit (8155 K.C.) (GFF)   1 Z CRIA/AR   CRYSTAL Unit (815 K.C.) (GFF)   1 Z CRIA/AR																				
AN3057-6 Adapter - Electrical accessory to cable 2	7																			
Receiver (GFP)	- 1																			
168-71082	-8																			
CRIA/AR																			_	7.
CRIA/AR		CR1A/AR																	-	
CRIA/AR								(8	155	K.C.)	(GFP)								1	
CRIA/AR						_		(8	392.	00 K.	C.) (GFP									
CRIA/AR 9 MY237A/ARG3																				
-9 MP277A/ARG3						-														
Pilo	-9																		-	
11				Plu	g.														-	
DYP2 /ARC3				Jur	cti	on :	Box	-	Powe	r (GF	P)									
-14 MT236/ARC3				Dyr	amo	tor	( G	FP)											1	
PLISTA   Plug.   1   2   2   1   2   2																				
PL188																				
17																			1	
18																			î	
159-71054		U16/U																	-	
153-71172	-19			Hol	der	-	Rad	io	frea	uency	instrum	ent cor	d							
168-71078				Gua	rd	- R	adi	o f	requ	ency	instrume	nt cord		100						
-20 168-71079		153-(11/2		Cor	d -	FT	eque	enc	y ch	annel	designa	cion .						•		
168-71080   Cover Assembly - Radio junction box   1	-20			DOX	Shi	2 1 d	Ass	sem	hlv	- Rad	do funct	ion hav						•	_	
-22 AM142/AIC . Amplifier - Mixer (GFP)					Cov	er	Ass	emb	lv -	Radi	o juncti	on box			•			•		
-23 MT556/AIC					Amp	11f	ier	-	Mixe	r (GF	P)									
-25 M299 . Adapter - Microphone (GFP)					Mou	nt	(GF	P)											2	Z
-26 AN3102M20-27S																				
AN3303-1 -27 AN3436-2-16 -28 AN3436-2-7 -29 AN961-6 -30 AN936A6B -31 AN341-6 -32 PL108 -33 AN3054-6 -34 168-71067 -35 AN104B -36 M359A -37 109-71025 -38 168-71033-3 -39 168-71033-5 -39 168-71033-5 -39 168-71033-5 -39 168-71033-5 -39 168-71033-5 -39 168-71033-5 -39 168-71033-5 -39 168-71033-5 -39 168-71033-5 -39 168-71033-5 -30 AN3054-6 -30 AN3054-6 -30 AN3054-6 -30 AN3054-6 -30 AN3054-6 -31 AN3054-6 -32 PL108 -34 168-71067 -35 AN104B -36 AN3054-6 -37 109-71025 -38 168-71033-3 -39 168-71033-5 -39 168-71038-5 -39 168-71033-5 -39 168-71033-5 -39 168-71033-5 -39 168-71038-5 -39 168-71033-5 -39 168-71033-5 -39 168-71033-5 -39 168-71038-5 -39 168-71033-5 -39 168-71033-5 -39 168-71033-5 -39 168-71033-5 -39 168-71033-5 -39 168-71033-5 -39 168-71033-5 -39 168-71033-5 -39 168-71033-5 -39 168-71033-5 -39 168-71033-5 -39 168-7103-5 -39 168-71033-																				
-27 AN3436-2-16 . Terminal Block Assembly - Electrical	-20																			
-28	-27																			
-29 AN961-6				Ter	min	all	B100	ck .	Asse	mbly	- Electr:	ical .								
-31 AN341-6				Was	her	- ]	Pla:	in :	for	elect	rical use								14	
-32 PL108 AN3054-6 AN3054-6 Nut - Coupling -33 AN3023-8 Switch - Toggle double pole three hole mounting (AN3023-7 2 Z may be used) -34 168-71067 -35 AN104B -36 M359A -37 109-71025 -38 168-71033-3 Support - VHF Antenna mast -39 168-71033-5 Support - VHF Antenna mast -40 AN4-47A Bolt - Aircraft 1/4-28 -41 AN365-428 Nut - Self locking 250°F -42 No Number  Plug (OFP)																				
AN3054-6  AN3023-8  -33  AN3023-8  -34  -34  -35  -36  -37  -37  -37  -37  -39  -38  -38  -38  -38  -38  -38  -38																			14	Z
-33 AN3023-8 . Switch - Toggle double pole three hole mounting (AN3023-7 2 Z may be used)	-32																		0	77
may be used)  2 Z  -34 168-71067  -35 AN104B  -36 M359A  -37 109-71025  -38 168-71033-3  -39 168-71033-3  -39 168-71033-5  -40 AN4-47A  -41 AN365-428  Nu - Self locking 250°F  -42 No Number  -42 No Number  -34 168-71067  -84 1 Analogo interphone switch  -8 2 Z  -8 2 Z  -8 3 2 Z  -8 3 2 Z  -8 3 2 Z  -8 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	-33			Sw1	tch	- 5	Pogs	rle	dou	ble n	ole three	hole	mounti	na	/ AMS	5003	-7			
-34		The state of the s			,	nay	be	us	ed)									:		
-36 M359A Adapter (GFP)	-34				al ·	- Ra	adio	0 11	nter	phone	switch .								2	Z
-37 109-71025	-35			Ant	enna	a Ma	ast	( G)	FP)											
-39 168-71033-5	-37		•	Ada	pte:	ANT	TOLIT	P 1.	nten	na mo								•		
-39 168-71033-5	-38	168-71033-3		Sun	por	MIN.	VHI	P A	nten	na ma	st							•		
-41 AN365-428 . Nut - Self locking 250°F	-39	168-71033-5		Sup	port	-	VHI	7 A	nten	na ma	st			12/		3 2			5	
-41 AN305-420 . Nut - Self locking 250°F 4 Z -42 No Number . Front and Rear Cockpit RH Radio Console Panels (see		AN4-47A		Bol	t -	Air	cra	aft	1/4	-28		1 1 1 1							4	
-42 No Number . Front and Rear Cockpit RH Radio Console Panels (see				Nut	- :	Seli	10	ock:	ing	250°F									24	
ligure 440 for detail breakdown) NP Z	-42	No Number		Fro	nt a	ind	Rea	ar (	Cock	pit R	H Radio (	onsole	Panel	8 (8	300				154	
					1	1gt	ire	44(	10	r det	all break	(down)							NP	Z

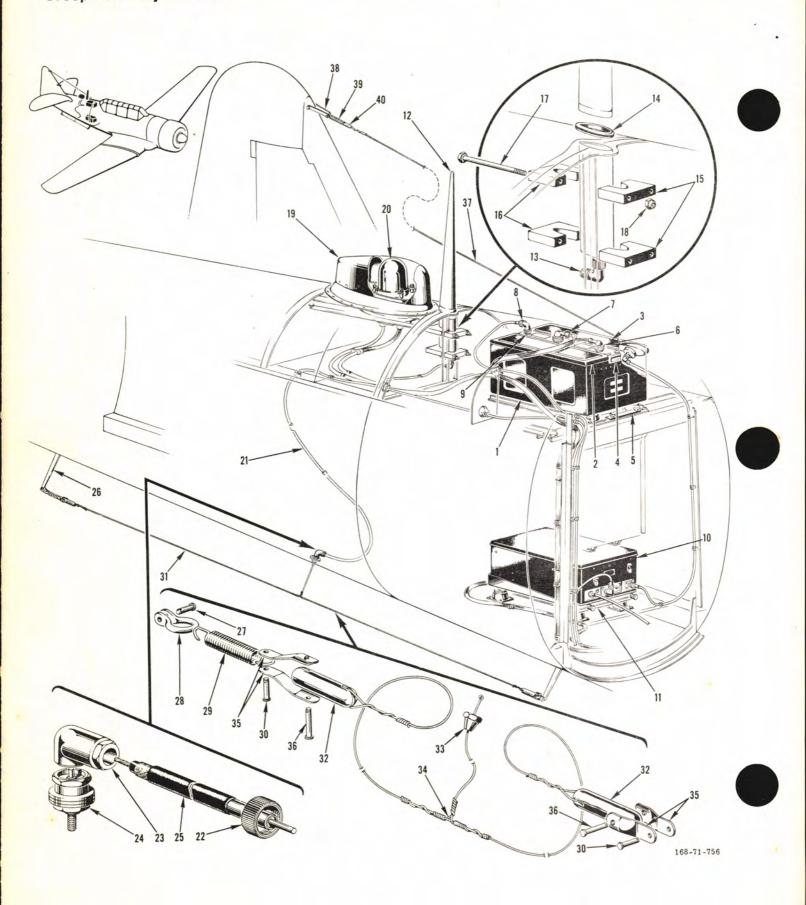


FIGURE 44B - FUSELAGE STATION 106.5 TO 214.19 RADIO EQUIPMENT

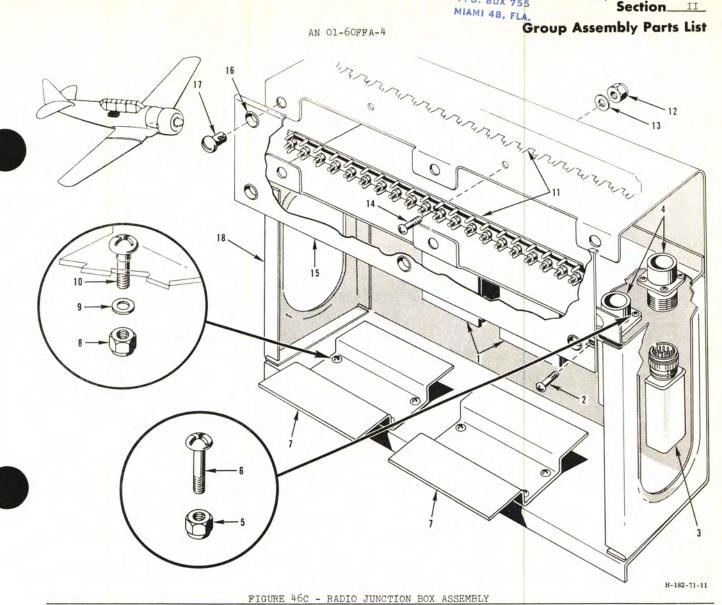


FIGURE &	PART NUMBER	1	2	3	4	5	6	7			NOMEN	CLATURE			T						UNITS PER ASSY.	APPLICATION CODE
									R			GE (Co		SSEN	BLY							
46c -1	168-71078-10 F21/ARA9 ATTACHING		Fi]	sen	nbly	y - GFP)	Ra	dio · ·	junc.	tion	(see	fig. 4	4E 1	for	nex	t a	sse.	emb	ly)		Ref 2	K-,*1 K-,*1
-2	AN515-8R8			ew	- N	Mach	nin	e r	ound	head	coars	e thre	ad								8	K-,*1
-3 -4	AN3303-1 AN3102M20-27S ATTACHING		Rec									w conr									2	K-,*1 K-,*1
-5 -6	AN365-440 AN515-4R6		Nut	ew	Sel	lf 1 Mach	loci	king e ro	g 250 ound	° F head	coars	e thre	ad.			: :	:	:	: :		8	K-,*1 K-,*1
-7	MT556/Alc ATTACHING			inti	ing	Pla	ate	(GI	(P)									•			2	K-,*1
-8 -9 -10	AN365-832 AN960-8 AN515-8R8	:	Nut	sher		Pla	in					e thre									8 8 8	K-,*1 K-,*1 K-,*1
-11	AN3436-2-20			mir	nal	Blo	ock	Ass	sembl	y - 1	Electr	ical								,	2	K-,*1
-12 -13 -14	ATTACHING AN365-440 AN960D4 AN515-4R7		Nut	sher		Pla	in					e thre									363	K-,*1 K-,*1 K-,*1
-15 -16 -17 -18	AN3433-2-2 168-71080 GA5-312 A5-35 168-71079-10 *1 Reworked per		Cov	Gro Stu	Assomme	et (DZ)	DZ nbl;	- I 	Radio	jund	etion	box .	: :	: :		: :	:	:	: :	:	6	K-,*1 K-,*1 K-,*1 K-,*1 K-,*1

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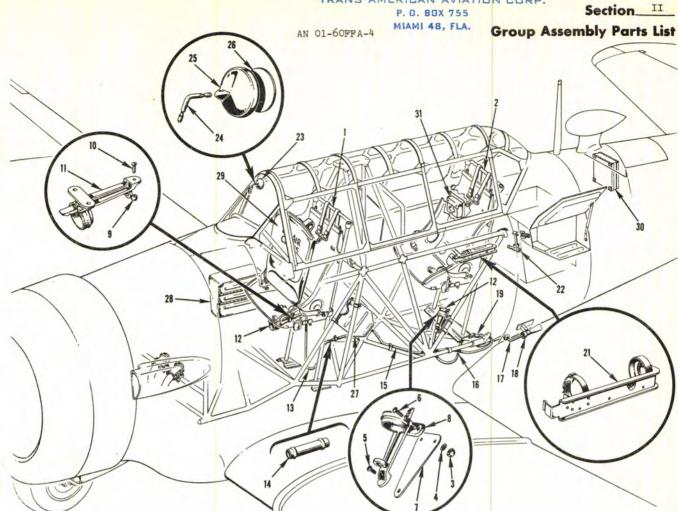


FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASS	APPLICATION Y. CODE
INDEX NOMBER	Homber	FUSELAGE (Cont)		
		FURNISHINGS		
47	168-53031	Furnishings Installation - Modification (see figure 1 for		
		next assembly)	NP	ALL
	55-53301	. Heating and Ventilating System Installation (see light	NP	ALL
-1	168-53002	for detail breakdown)	,	ATT
		breakdown)	1	ALL
-2	168-53002-3	breakdown)	1	ALL
-	1 NO 6 1000	. Nut - Self locking	3	ALL
-3 -4	AN365-1032	. Washer - Plain	3	ALL
	AN960D10	. Screw - Round head machine fine thread	1	ALL
-5 -6	AN520-10R10	. Screw - Round nead machine line thread	2	ALL
	AN520-10R12	. Screw - Round head machine fine thread		ALL
-7 -8	168-53055	. Plate - Pilot's relief tube	::: 1	
-8	AN8020-1	Bracket - Flyer's relief horizontal		ALL
-9	AN365-832	. Nut - Self locking	3	ALL
-10	AN515-8R10	. Screw - Round head machine coarse thread		
-11	AN8020-1	Bracket - Flyer's relief horizontal	1	
-12	AN8018-1	Horn - Flyen's relief tube	2	ALL
-13	168-53054-5	. Tube - Pilot's relief	1	ALL
-14	159-53038	Tube - Pilot's relief	1	ALL
-15	168-53054-3	Tube - Pilot's relief		
-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
		. Tee - Flyer's relief tube	1	ALL
-19	AN8019-1	. Tee - Flyer's relief tube	1	ALL
-20	Deleted	Bracket - Fire extinguisher	1	ALL
-21	AN8000	. Crank - Starter	1	ALL
-22	42-725	. Crank - Starter	i i i î	ALL
-23	58-53081	. Mirror Assembly - Rear view	1	ALL
-24	36-53089	Arm - Rear view mirror support	1	ALL
-25	58-53082	Case - Rear view mirror	1	ALL
-26	58-53085	. Mirror - Rear view	–	ALL
-27	25-53102-5	. Holder Assembly - Data	1	ALL
-28	168-53047	Case Assembly - Man and data	1	
-29	AN7501	Cushion - Aircraft type A-3 (GFP)		ALL
-30	88-53174	Case Assembly - Aircraft data	. ,	ALL
-31	9-196-650	. Kit - First aid (GFP)	1	ALL

FURNISHINGS

FIGURE 47

168-53-4200



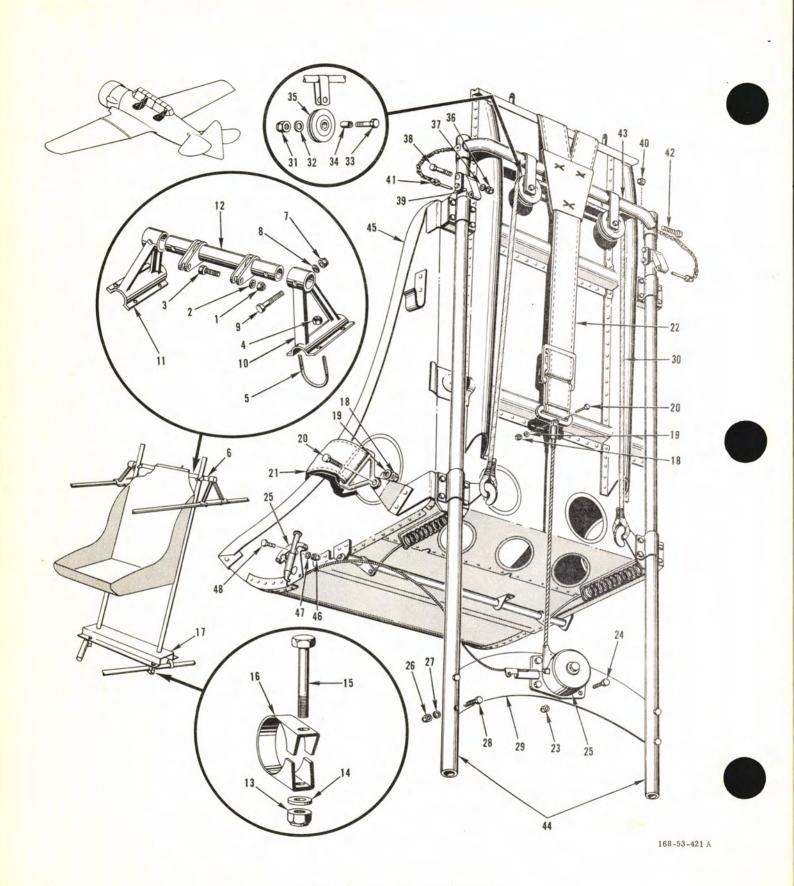


FIGURE 48 - COMPLETE SEAT ASSEMBLY

Section\_II

AN 01-60FFA-4

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
		FUSELAGE (Cont) COMPLETE SEAT ASSEMBLY		
48	168-53002 168-53002-3	Seat Assembly - Complete front (see figure 47 for next assembly) Seat Assembly - Complete rear (see figure 47 for next assembly)	Ref Ref	ALL
-1	AN365-428	Nut - Self locking 250° F. (front seat)	4	ALL
-2	AN365-428 AN960-416	Nut - Self locking 250° F. (rear seat)	4	ALL
-3	AN960-416 AN4-16A	Washer - Plain (rear seat)	4	ALL
-4	AN4-16A AN365-428	Bolt - Aircraft 1/4-28 (rear seat)	2	ALL
	5B6-18	Bolt - U (NA)	4	ALL
-5 -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
	AN4-22A	Bolt - Aircraft 1/4-28	2	ALL
-9	168-53013-1	Fitting - Rear cockpit seat support upper LH	1	ALL
-10		. Fitting - Rear cockpit seat support upper RH	1	ALL
-11	168-53013-2	. Fitting - Rear cockpit seat support upper kn	1	ALL
-12	168-53006	. Tube Assembly - Rear cockpit seat support	11	ALL
-13	AN365-1032	Nut - Self locking 250° F		
-14	AN960-10	Washer - Plain	11	ALL
-15	AN3-16A	Bolt - Aircraft 10-32 (magnetic inspected)	1,	ALL
-16	Q901-16S	Clamp (CAC)	4	ALL
-17	168-53020	Bracket - Rear cockpit seat support lower		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	44G5437	Belt Assembly - Lap safety type B-14	ĭ	ALL
-52	44G5443	Belt Assembly - Safety shoulder harness type B-15	1	ALL
		. Nut - Self locking 250° F	11	ALL
-23	AN365-1032	. Nut - Self locking 250 F	)1	ALL
-24	AN3-5A	. Bolt - Aircraft 10-32 (magnetic inspected)	7	
-25	0-3903-101	. Reel - Inertia (American Seating Company)	1	ALL
-26	AN365-1032	. Nut - Self locking 250° F	4	ALL
-27	AN960-10	. Washer - Plain	0	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 - Rear 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
-33		. Spacer - Bolt (NA)	2	ALL
-34	483-10-24	Pulley (NA)		ALL
-35	6P1	Nut - Self locking 250° F. (use with 168-53002 only)	24	ALL
-36	AN365-1032	. Washer - Plain (use with 168-53002 only)	24	ALL
-37	AN960-10	Bolt - Aircraft 10-32 (use with 168-53002 only)	24	ALL
-38	AN3-22A	. Bracket - Front cockpit seat tube upper support (use with		
-39	168-53014	. Bracket - Front cockpit seat tube upper support ( date with	. 2	ALL
1		168-53002 only)	2	ALL
-40	AN365-1032	. Nut - Self locking 250° F	2	Al-Als
-41	AN365-428	. Nut - Self locking 250° F	2	Al-Al-
	AN4-16A	BOIT - Aircraft 1/4-20	-	WI-WI
	168-53028	. Pin Assembly - Rear cockpit seat upper attaching (used on	. 2	A16-
		168-53002-3 only)	2	A16-
	168-53027	Pin - Rear cockpit seat upper attachment	2	ALL
-42	AN3-14A	Bolt - Aircraft 10-32	2	ADD
-43	168-53011	. Support Assembly - Cockpit seat shock cord pulley	- 1	ATT
		(used on 168-53002 only)	. 1	ALL
	168-53011-10	. Support Assembly - Cockpit seat shock cord pulley	-	ATT
		(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 adi LH (used on 168-53002-3 only)	. 1	ALL
	168-53019-2	Tube - Rear seat support adi RH (used on 168-53002 only) .	. 1	ALL
-45	168-53005	. Seat Assembly - Pilot's (modification) (see figure 49 for		
-45	200-05000	detail breakdown)	. 1	ALL
-46	AN365-1032	. Nut - Self locking 250°F	2	ALL
-47	AN960D10	. Washer - Plain	2	ALL
		Bolt - Aircraft 10-32		ALL
-48	AN3-4	. Dolt - Alleralt 10-32	_	ALL

AN 01-60FFA-4 FUSELAGE (Cont)

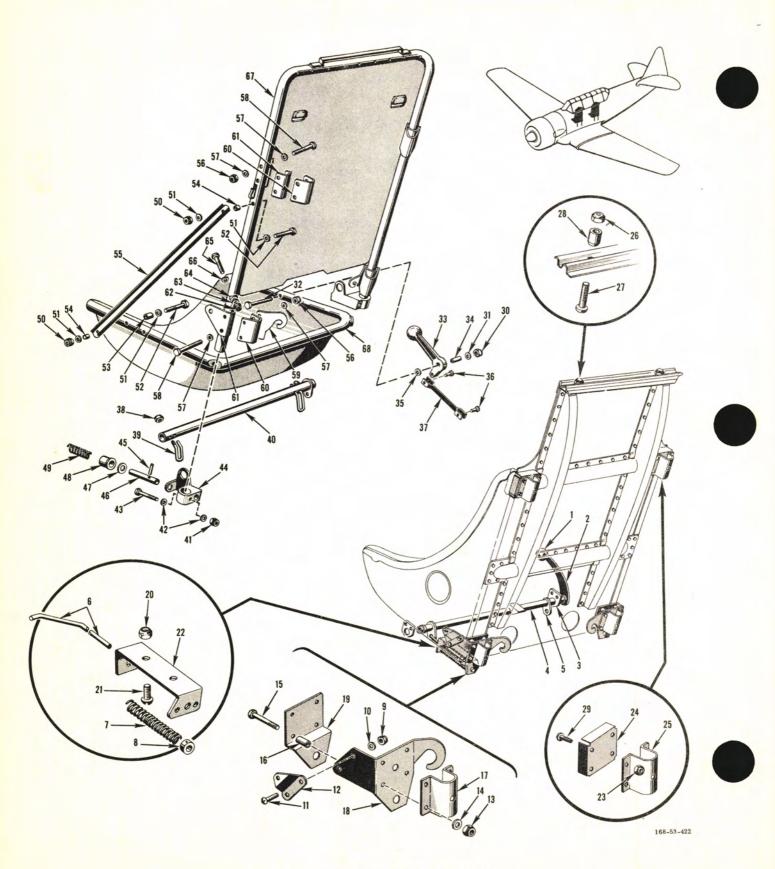


FIGURE 49 - PILOT'S SEAT ASSEMBLY

P. O. BOX 755

MIAMI 48, FLA.

# Section II Group Assembly Parts List

DEX NUMBER	PART NUMBER	1	2 3 4 5 6 7 NOMENCLATURE	UNITS APPLICATION CODE
			FUSELAGE (Cont) PILOT'S SEAT ASSEMBLY	
9	168-53005	Se	at 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 -6	95-100-22B		. Cam - Adjusting lever (SJC)	2 ALL
	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 - Belt (SJC)	2 ALL
-13	AN365D1032		. Nut - Self locking 250°F	8 ALL
-14	AN940-316		. Washer - Burr	8 ALL
-15	AN3-11A		. Bolt - Aircraft 10-32	8 ALL
-16	95-100-14C		. Spacer - Bracket (SJC)	8 ALL
-17	95-100-15		. Strap - Mounting (SJC)	2 ALL
-18	95-100-14LH		Bracket - LH (SJC)	1 ALL
-19	95-100-14RH 95-100-14ALH		Bracket - RH (SJC)	1 ALL
-19	95-100-14ALH		Bracket - Spacer LH (SJC)	1 ALL
-20	AN365-1032		Nut - Self locking 250°F	- 1122
-21	SK71-1032-8	•	Screw - Brazier head (SJC)	4 ALL 4 ALL
-22	95-100-14B	•	Support - Bracket bolt (SJC)	2 ALL
-23	AN365D1032	•	. Nut - Self locking 250°F	8 ALL
-21	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
li o	241-28R		. Lift Arm - Elevation lock RH (Warren-McArthur)	1 ALL
-40	243B-AS4R		. Lock Tube and Lift Assembly (Warren-McArthur)	1 ALL
-41 -42	AN364-1032 AN960A10		. Nut - Self locking thin 250°F	2 ALL
-43	AN3-17A		. Washer - Plain	4 ALL
-44	243AS8L		Bolt - Aircraft 10-32	2 ALL
-11	243AS8R	•	Bracket Assembly - Elevation RH (Warren-McArthur)	1 ALL
-45	162-16		Lock Pin (Warren-McArthur)	1 ALL 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
<b>-</b> 57 <b>-</b> 58	AN960A10		. Washer - Plain	16 ALL
-59	AN3-22A 243B6L	•	Bolt - Aircraft 10-32	8 ALL
15	243B6R		. Hook - Shock cord LH (Warren-McArthur)	1 ALL
-60	241-7	:	Clip - Stanchion (Warren-McArthur)	1 ALL 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

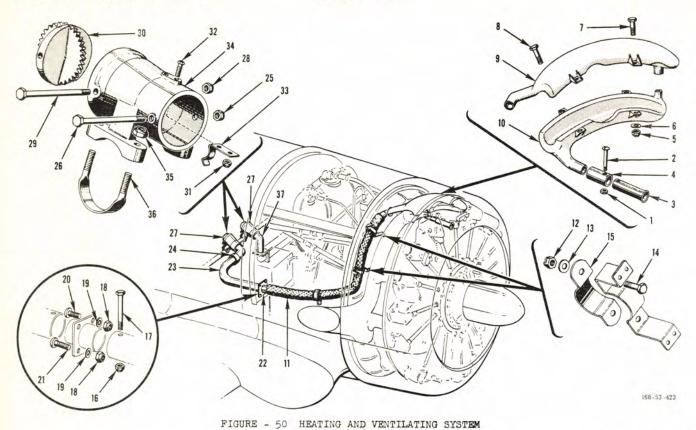
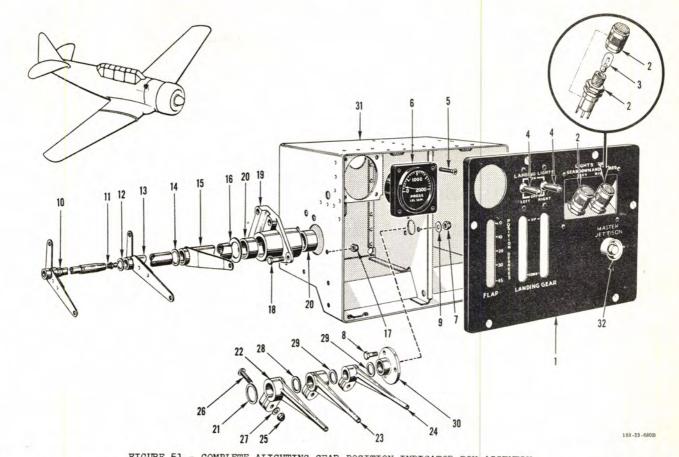


FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE								
	FUSELAGE (Cont) HEATING AND VENTILATING SYSTEM											
50	55-53301	Heating and Ventilating System Installation (See figure 47 for next assembly)	ND	ALL								
1	AN200 2	. Nut - Castle shear										
-1 -2	AN320-3 AN23-38			ALL								
-3	55-53330	Bolt - Clevis 10-32										
-3				ALL								
	55-53331	Tube - Hot air intake to heater		ALL								
-5 -6	AN310-4			ALL								
	AN960-416	. Washer - Plain		ALL								
-7	AN4-14	. Bolt - Aircraft 1/4-28		ALL								
-8	AN4-15	. Bolt - Aircraft 1/4-28		ALL								
-9	88-53305	. Heater - Upper		ALL								
-10	88-53306	. Heater Assembly - Cockpit lower		ALL								
-11	55-53308	. Tube Assembly - Heating system heater to firewall		ALL								
-12	AN310-3	. Nut - Castellated airframe		ALL								
-13	AN960-10	. Washer - Plain		ALL								
-14	AN3-4	. Bolt - Aircraft 10-32	4	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	2	ALL								
-18	AN365-1032	. Nut - Self locking	14	ALL								
-19	AN960-10	. Washer - Plain	4	ALL								
-20	NAS221-10	. Screw - Brazier head Phillips recess allow steel 10-32	3	ALL								
-21	NAS221-12	. Screw - Brazier head Phillips recess alloy steel 10-32	1	ALL								
-55	55-53306-2	. Fitting - Heating system firewall tube		ALL								
-23	55-53338	. Tube Assembly - Heating system firewall to valve outboard		ALL								
-24	88-53339	. Tube Assembly - Heating system firewall to valve inboard		ALL								
-25	AN365-1032	. Nut- Self locking		ALL								
-26	AN3-25A	. Bolt - Aircraft 10-32		ALL								
-27	55-53335-4	. Valve Assembly - Cockpit hot and cold air ventilating system	1	ALL								
-21	55-53335-5	. Valve Assembly - Cockpit hot and cold air ventilating system	ī	ALL								
-28	AN365-1032	. Nut - Self locking	1	ALL								
-29	AN3-32A	Bolt - Aircraft 10-32		ALL								
		Valve - Cockpit hot air ventilating system		ALL								
-30	55-53337-2		-									
22	55-53337-3	Valve - Cockpit hot air ventilating system		ALL								
-31	AN365-440	Nut - Self locking		ALL								
-32	AN515-4-7	Screw - Round head machine coarse thread		ALL								
-33	55-53341	Clip - Heating and ventilating system valve spring		ALL								
-34	55-53336	Fitting - Ventilator exhaust attaching parts		ALL								
-35	AN365-428	. Nut - Self locking		ALL								
-36	5B6-16	. Bolt - "U"		ALL								
-37	55-53340	. Tube - Ventilating system wing fitting to valve	1	ALL								

Section\_II\_

AN 01-60FFA-4



-1 11 -2 A -3 A -4 A -5 A -7 A -8 A -9 2 -10 1 -11 N -12 2 -13 1	NUMBER  168-33523  168-33523-10  168-33525  168-33525-10  AN3157-3  AN3121-313	Box Box	Asser (s. Asser (s. Cover	COM mbly ee f mbly ee f	- Ali igure - Ali	ALIG	ng gea	ALIGHTING (GEAR POSITIO	EAR ON INDICAT			MBLY	UNITS PER ASS	
-1 11 -2 A -3 A -4 A -5 A -7 A -8 A -9 2 -10 1 -11 N -12 -13 1 -14 2	168-33523-10 168-33525 168-33525-10 AN3157-3 AN3121-313	Box	(seconds)	mbly ee f mbly ee f	- Ali igure - Ali	ghti 15 f	ng gea	GEAR POSITION of	ON INDICAT			MBLY		
-1 11 -2 A -3 A -4 A -56 A -7 A -8 A -9 -10 1 -11 N -12 -13 1 -14 2	168-33523-10 168-33525 168-33525-10 AN3157-3 AN3121-313	Box	(seconds)	mbly ee f mbly ee f	- Ali igure - Ali	ghti 15 f	ng gea	r position i				IBLY		
-1 11 -2 A -3 A -4 A -56 A -7 A -8 -9 2 -10 1 -11 N -12 -13 1 -14 2	168-33523-10 168-33525 168-33525-10 AN3157-3 AN3121-313	Box	(seconds)	ee f mbly ee f	igure - Ali	15 f	ng gea	r position i	ndicator	namm late				
-1 1 1 1 -2 A A A -3 A A -4 A A A -5 A A A -7 A A A -7 A A A -9 -10 1 N -11 N N -12 2 -13 1 1 -14 2 2	168-33525 168-33525-10 AN3157-3 AN3121-313		Asser (s Cover	mbly ee f	- Ali	17 1		t assembly)	ila Ca col	combinere			Dof	A-
-2 A A A -5 A A A -7 A A A -7 A A A -9 -10 11 N -12 2 -13 12 -14 2	168-33525-10 AN3157-3 AN3121-313		Cover	ee i		ghti	ng gear	r position i	ndicator	complete				
-2 A A A -5 A A A -7 A A A -7 A A A -9 -10 11 N -12 2 -13 12 -14 2	168-33525-10 AN3157-3 AN3121-313		Cover		igure	12 1	or nex	t assembly)					. Ref	Z
-2 A A A -5 A A A -7 A A A -9 -10 11 N -12 -13 12 -14 2	AN3157-3 AN3121-313	:		Ass	embly	- Al	ightin	g gear posit	ion indic	ator box			. 1	A-
-3 A A A A A A A A A A A A A A A A A A A	AN3121-313		Cover	Ass	embly	- Al	ighting	g gear posit	ion indic	ator box			. 1	Z
-5 A A A -9 -10 1 1 N -12 2 -13 1 1 -14 2			. Li	ght .	Assemb	ly -	Press	to test ind	licator .				. 2	ALL
-5 A A A -9 -10 1 1 N -12 2 -13 1 1 -14 2	1110160 05		. La	mp -	T3 1/	4 Bu	lb sc t	miniature ba	vonet bas	e			. 2	ALL
-7 -8 A A -9 2 -10 1 -11 N -12 2 -13 1 -14 2	AN3160-35		. Ci	rcui	t Brea	ker .	- Swite	ch type non-	trip free				2	ALL
-7 -8 A A -9 2 -10 1 N -12 2 -13 1 -14 2 2	AN526-8R12		Screw	- M	achine	tru	ss hear	d					21	ALL
-7 -8 A A -9 2 -10 1 -11 N -12 2 -13 1 -14 2	AN5771-4		Gage .	- 51	ngle 1	7/8	dial	pressure (OF	P)				. 1	ALL
-8 A -9 2 -10 1 -11 N -12 2 -13 1 -14 2	AN365-1032		Nut -	Sel	flock	ing	250°F		.,				. 1	ALL
-9 2 -10 1 -11 N -12 2 -13 1 -14 2	AN3-5A	•	Bolt .	- A1	nonaft	10-	20 1						. 3	
-10 1 -11 N -12 2 -13 1 -14 2	W1AL13-18-32		Machai	2 1	Dlain	(NA)	52 .						. 3	ALL
-11 N -12 2 -13 1 -14 2	168-33518		Chaft	100	ridin	(NA)			: : : . : : :	: :			. 3	ALL
-12 2 -13 1 -14 2	NAS2-101		Shart	ASS	emory	- A1.	ignting	g gear posit	ion LH in	dicator			. 1	ALL
-13 1 -14 2			. F1	ctin	g - Lu	brica	ation .						. 1	ALL
-14 2	2W1C33-22020		Washer		Plain	(NA)							. 1	ALL
	168-33517		Shaft	Ass	embly	- Al:	ighting	g gear posit	ion LH in	dicator			. 1	ALL
-15	2W1C41-28020		Washer	c - ]	Plain	(NA)							. 1	ALL
	168-52610		Shaft	Asse	embly	- Fla	ap posi	ition front	cockpit in	ndicator			. 1	ALL
	2W1C49-34020		Washer	- ]	Plain	(NA)							. 1	ALL
	N365-1032	. :	Nut -	Self	f lock	ing 2	250°F .						. 1	ALL
-18 A	AN3-5A	. :	Bolt -	- Air	rcraft	10-	32						1	ALL
-19 1	68-33522		Suppor	t. As	ssv -	Altok	nting o	gear positio	n indicate	or shaft			1	ALL
	B19B12-015		Bus	hine	r - Pr	PSS f	fit nla	ain (NA)	ii liidledo.	or bilar o			. 2	ALL
	W1C49-34020	1	Washer	- I	Plain	(NA)	TO PIC							
	68-52606		Indias	ton	Accom	hlu	Flon	position fr	ont analm				. 1	ALL
	.68-33513		Indica	ton	Assem	bly -	Aliab	position in	ont cockp.				. 1	ALL
	.68-33514		Indica	tor	Assem	bly -	- Aligr	nting gear p	osition L				. 1	ALL
			Indica	tor	Assem	рта -	- Aligr	nting gear p	osition Ri				. 1	ALL
	N365-832		. Nut	- 5	Self 1	ockir	ng 250°	°F					. 3	ALL
	IAS220-16		. Scr	ew -	- Braz	ier h	nead Ph	nillips rece	ss alloy s	steel 8-	32 .		. 3	ALL
	N960D8L		. Was	her	- Pla	in .							. 3	ALL
	W1C41-30020	. 1	washer	· - I	Plain	(NA).							. 1	ALL
	W1C33-26020	. 1	Washer	- F	Plain	(NA).							. 2	ALL
-30 1	68-33520	. 1	Bearin	g -	Aligh	ting	gear r	osition ind	icator sha	ft.			1	ALL
	68-33524	. 1	Box As	sem	1v	Aligh	iting o	gear positio	n indicate	r			1	ALL
	2001RCUR		Switch	Age	sembly	(HET	1)	· · · · ·	Indicate				1	Z

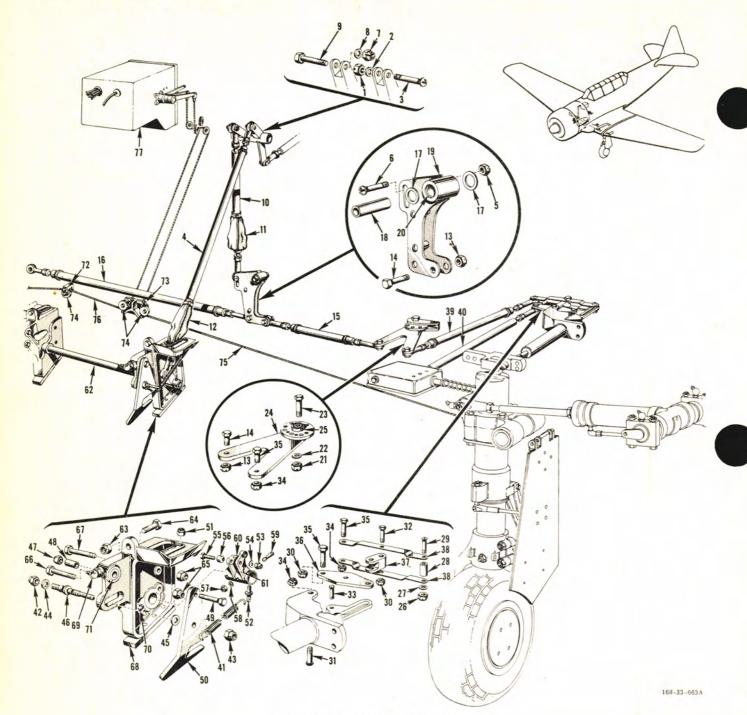


FIGURE 52 - MAIN LANDING GEAR

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION
		ALIGHTING GEAR (Cont) MAIN LANDING GEAR		
52	77-33001	Landing Gear Installation - Main (see fig. 1 for next assy) Main Landing Gear Fairing and Chassis Equipment (see	NP	ALL
	No Number	figure 53 for detail breakdown)	NP	ALL
	No Number	detail breakdown)	NP	ALL
	168-33564	for detail breakdown)		c61-
-1	AN320-4	. Nut - Castle shear	2	ALL
	AN960-416	. Washer - Plain	2	ALL
-2		. Bolt - Clevis 1/4-28	2	ALL
-3	AN24-13	. Rod Assembly - Landing gear up position latch control	1	ALL
-4	88-33539 AN320-3	. Nut - Castle shear	1	ALL

		AN OI-OOFFA-4	Group Assembly Paris List
FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS APPLICATION PER ASSY. CODE
		ALIGHTING GEAR (Cont) MAIN LANDING GEAR (Cont	
52-6	AN23-14		
-7	AN310-3	Bolt - Clevis 10-32	· · · · · · · · · · · · · · · · · · ·
-8	AN960-10	. Washer - Plain	: : : : : : : : : 1 ALL ALL
-9	AN3-11	Bolt - Aircraft 10-32	1 ALL
-10	88-33591	. Rod Assy - Landing gear fuselage to center	section control . 1 ALL
-11	36-33556	. Boot - Landing gear lock mechanism bellcra	
-12	36-33555	. Boot - Landing gear retracted position ret	ainer support 1 ALL
-13 -14	AN310-3	. Nut - Castellated airframe	4 ALL
-14	AN3-7 88-33593	Bolt - Aircraft 10-32	
-16	88-33565	<ul> <li>Rod Assy - Landing gear lock center section</li> <li>Rod Assy - Landing gear lock control push</li> </ul>	n left control 1 ALL
-17	AN960-816	. Washer - Plain	:
-18	36-33554	. Shaft - Landing gear lock mechanism bellcr	
-19	55-33544	. Bellcrank Assy - Landing gear lock mechani	
-20	B812P	Bearing (TOR)	1 ALL
-21	AN310-4	. Nut - Castellated airframe	2 ALL
-22 -23	AN960-416 AN4-16	. Washer - Plain	2 ALL
-23	AN4-17	. Bolt - Aircraft 1/4-28 (LH only)	1 ALL
-24	36-33549	Bellerank Assy - It Landing gear look nin	
-24	55-33550	<ul> <li>Bellcrank Assy - LH Landing gear lock pin</li> <li>Bellcrank Assy - RH Landing gear lock pin</li> </ul>	
-25	3-1135-4	. Bearing (FAF) (BC4W9 may be substituted	control rod outboard 1 ALL ) (Used on LH only) 1 ALL
	BCU4	Bearing (FAF) (Used on RH only)	Osed on LH only) 1 ALL
-26	AN320-4	. Nut - Castle shear	
-27	AN960-416	. Washer - Plain	
-28	4B21S4-12	. Bushing - Spacer	2 ALL
-29	AN24-14	Bolt - Clevis 1/4-28	
-30	AN310-4	. Nut - Castellated airframe	
-31	AN24-16 AN4-12	. Bolt - Clevis 1/4-28	2 ALL
-32 -33	AN392-13	Bolt - Aircraft 1/4-28	
-34	AN310-3	. Nut - Castellated airframe	
-35	AN3-7	Bolt - Aircraft 10-32	6 ALL
-36	36-33521	. Link - Landing gear position indicator swi	tch lock pin 2 ALL
-37	36-33517	. Link - Landing gear locking control rod su	
-38	55-33548	. Arm - Left landing gear lock pin push rod	
	55-33563	. Arm - Right landing gear lock pin push rod	
20	55-33563-1	. Arm - Right landing gear lock pin push rod	
-39	88-33594	. Rod Assy - Landing gear lock pin left cont	
-40	88-33592 36-54028	. Rod Assy - Landing gear lock pin right con	
-41	36-33553	<ul> <li>Rod Assy - Landing gear position indicator</li> <li>Spring - Landing gear lock mechanism latch</li> </ul>	
-42	AN310-4	. Nut - Castellated airframe	
-43	AN310-3	. Nut - Castellated airframe	
-44	2W1-13-22-40	. Washer - Plain	
-45	AN960C10	. Washer - Plain	
-46	36-33542	. Bolt - Landing gear locking mechanism late	
-47 -48	AN310-5	. Nut - Castellated airframe	
-40	4B14R5-37	Bushing - Spacer	
-50	AN5-16 36-33515	Bolt - Aircraft 5/16-24	
50	36-33515-1	. Latch - Landing gear locking mechanism cam	
-51	AN310-3	. Nut - Castellated airframe	
-52	AN42-4	. Bolt - 10-32 for 3/16 pin eye	
-53	AN320-4	. Nut - Castle shear	2 ALL
-53 -54 -55 -56	AN960-416	. Washer - Plain	AT.T.
-55	AN24-18	. Bolt - Clevis 1/4-28	2 ALL
-56	36-33552	. Roller - Landing gear locking mechanism la	ch operating 2 ALL
-57 -58	AN320-3 AN975-3	Nut - Castle shear	4 ALL
-50	AN386-1-11	Pin - Threaded taper	:
-59 -60	36-33514	. Arm Assembly - Landing gear locking mechani	sm roller LH 1 ALL
	36-33514-1	. Arm Assembly - Landing gear locking mechan	
-61	4B2R8	Bushing	1 ALL
-62	36-33558	. Shaft - Landing gear retracted position loc	k torque 1 ALL
-63	AN365-524	. Nut - Self locking	2 ALL
-64	ANS-6A	Bolt - Aircraft 5/16-24	
-65 -66	AN365-428 AN4-20A	. Nut - Self locking	
-67	AN4-20A	Bolt - Aircraft 1/4-28	
-68	66-33509	. Support Assy - Landing gear retracted posit	
	66-33509-1	. Support Assy - Landing gear retracted position	ion retainer RH 1 ALL
-69	NAS2-301	Fitting - Lubrication	1 ALL
-70	NAS2-101	. Fitting - Lubrication	ALL
-71	4B5R35	Bushing	
-72	36-33551	. Bracket - Right landing gear position indic	ator cable pulley 1 ALL
-73 -74	36-33543	. Bracket - Landing gear position indicator of	able pulley 1 ALL
-74	AN210-1A	. Pulley - Anti-friction bearing control	3 ALL
-75 -76	168-33515 168-33516	Cable Assembly - Alighting gear position indic	
-70 -77	168-33523	Cable Assembly - Alighting gear position indicate	
-11	100-33323	Box Assembly - Alighting gear position indicat	or comprete Ker

AN 01-60FFA-4
ALIGHTING GEAR (Cont)

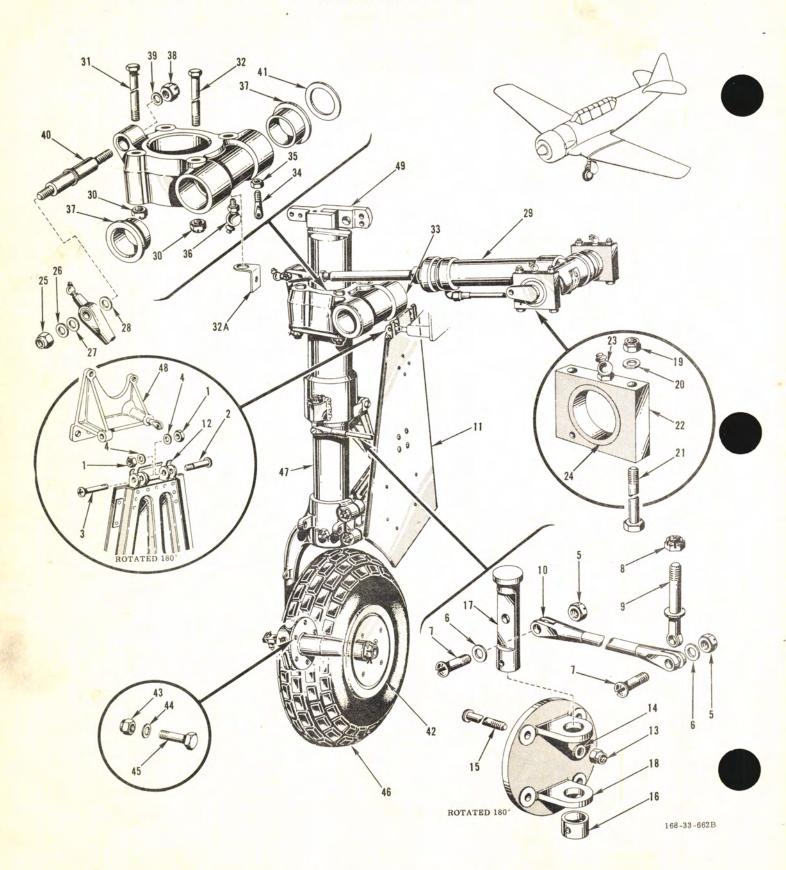


FIGURE 53 - MAIN LANDING GEAR FAIRING AND CHASSIS EQUIPMENT

## TRANS AMERICAN AVIATION CORP. P. D. BOX 755

MIAMI 48, FLA.

**Group Assembly Parts List** 

Section\_II\_

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
		ALIGHTING 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)		ALL
-1	AN320-3	. Nut - Castle shear		ALL
-2	AN23-24 AN23-25	Bolt - Clevis 10-32		ALL
-3 -4	AN960-10	. Washer - Plain		ALL
-5 -6	AN320-4	. Nut - Castle shear		ALL
	AN960L416	. Washer - Plain	. 4	ALL
-7	AN24-12	. Bolt - Clevis 1/4-28		ALL
-8	AN320-6	. Nut - Castle shear	. 2	ALL
-9 -10	36-33309	. Bolt - Landing gear oleo fairing attaching		ALL
-11	66-33578 66-33305	. Rod Assembly - Landing gear fairing door actuating Fairing Assembly - Landing gear LH		ALL
-11	66-33305-1	Fairing Assembly - Landing gear RH		ALL
-12	66-33307	Hinge - Landing gear fairing		ALL
-13	AN365-1032	Nut - Self locking 250°F		ALL
-14	AN960-10	Washer - Plain		ALL
-15	NAS221-11	Screw - Brazier head Phillips recess alloy steel 10-32 .		ALL
-16	36-33310 36-33313	. Fitting Assembly - Landing gear fairing link attaching Collar - Landing gear fairing link attaching fitting		ALL
-17	36-33315	Collar - Landing gear fairing link attaching fitting Shaft - Landing gear fairing link attaching fitting .		ALL
-18	36-33312	Bracket - Landing gear fairing link attaching fitting		ALL
-19	AN365-524	. Nut - Self locking 250°F		ALL
-20	AN960-516	. Washer - Plain		ALL
-21	AN5-33A	. Bolt - Aircraft 5/16-24		ALL
-22	54-33583	. Bearing Assembly - Landing gear operating strut		ALL
-23 -24	NAS2-201 25-33536	Fitting - Lubrication		ALL
-25	AN310-6	Bearing - Landing gear operating strut		ALL
-26	AN960-616	. Washer - Plain		ALL
-27	2W1-25-32-63	. Washer - Plain (NA)		ALL
-28	AN960-1016	. Washer - Plain	AR	ALL
-29	66-58026-2	. Strut Assembly - Hydraulic landing gear operating		ALL
-30	AN310-7	. Nut - Castellated airframe		ALL
-31 -32	AN7-50 AN7-41	Bolt - Aircraft 7/16-20		ALL
-32A	168-33420	Bolt - Aircraft 7/16-20		ALL F80-
-33	66-33118	Fitting Assy - Landing gear retracting oleo attaching LH .		
55	66-33118-1	Fitting Assy - Landing gear retracting oleo attaching RH .		ALL
-34	36-33559	Bolt - Landing gear position indicator cable attaching .		ALL
-35	AN316-4R	Nut - Check		ALL
-36	AN286-2	Fitting - Lubricator pressure grip type PT		ALL
-37	36-33119	Bushing - Landing gear retracting oleo attaching fitting		ALL
-38 -39	AN310-5 2W1-21-30-125	Nut - Castellated airframe		ALL
-40	66-33109	Washer - Plain (NA)		ALL
-41	2W1C122-92-38	. Washer - Plain (NA)		ALL
	2W1C122-92-31	. Washer - Plain (NA)		ALL
	2W1C122-92-20	. Washer - Plain (NA)		ALL
	2W1C122-92-16	. Washer - Plain (NA)		ALL
	2W1C122-92-10	. Washer - Plain (NA)		ALL
	2W1C122-92-8 2W1C122-92-6	. Washer - Plain (NA)		ALL
	2W1C122-92-4	. Washer - Plain (NA)		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 alighting gear LH (168-33402-1)(Goodnie	h )	10000
		(includes (AMB) #64 lining 1 req (OR D27-276 Goodrich) (WAE) FC8344 cup 2 req and (WAE) FC9031 boot 2 req).		
	H2-584R	(WAE) FC8344 cup 2 req and (WAE) FC9031 boot 2 req).	1	ALL
	NZ-504K	Brake Assembly - Main alighting gear RH (168-33402-2)(Goodric (includes (AMB) #64 lining 1 req (OR D27-276 Goodrich)	h)	
		(WAE) FC8344 cup 2 req and (WAE) FC9031 boot 2 req).	1	ALL
	ATTACHING		1	ALL
-43	AN365-524	. Nut - Self locking 250°F	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	0	
-40	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)	2	ALL
		(see figure 54 for detail breakdown)	1	ALL
	65811	. Strut Assembly - Main LG shock RH (BX) (NA No. 78-33102)		.122
	gg anhar	(see figure 54 for detail breakdown)	1	ALL
-48	77-33401	. Brake Controls Instl (see figure 55 for detail breakdown)	NP	ALL
-48 -49	77-33315 44-33534-2	Hinge Assembly - Landing gear fairing front	Ref	
		EARDAUM - DAUGIUM MEST, LOCK SUG DOISE	HAT'	

AN 01-60FFA-4
ALIGHTING GEAR (Cont)

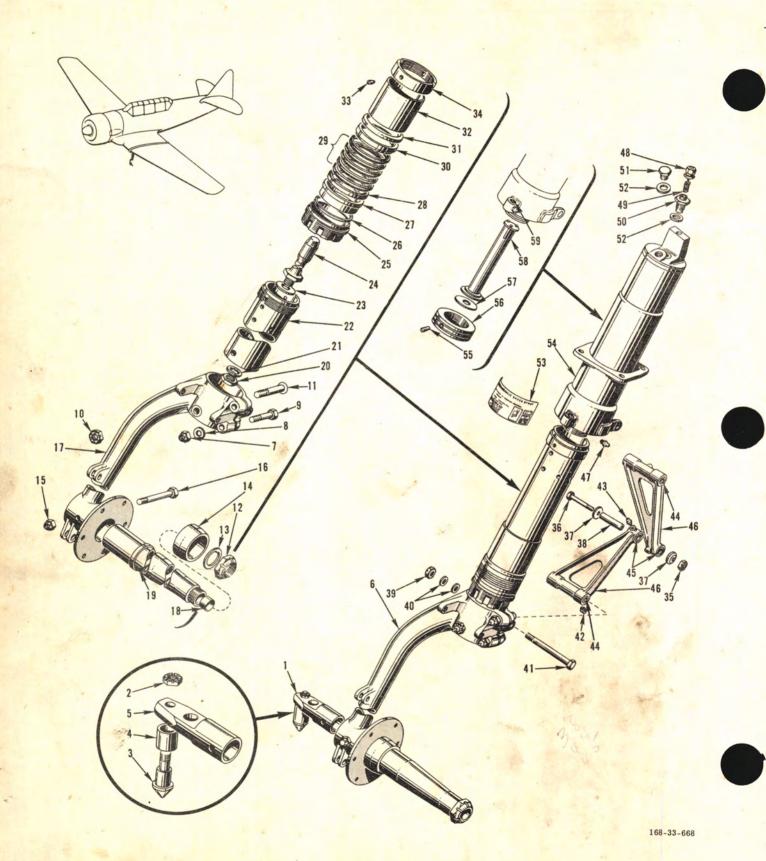


FIGURE - 54 MAIN LANDING GEAR SHOCK STRUT ASSEMBLIES

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
		ALIGHTING GEAR (Cont)		
		MAIN LANDING GEAR SHOCK STRUT ASSEMBLIES		
54	65810	Strut Assy - Main landing gear shock LH (BX) (NA Spec. no.		
	65811	78-33102) (see figure 53 for next assembly)	Ref	ALL
	02011	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 -4	65179	. Bolt - Landing gear axle jack (BX)	1	ALL
	65178	Roller - Landing gear retaining hook (BX)	1	ALL
-5	65176 V 65177 V	. Lug - Landing gear jack and towing LH	1	ALL
-6	53883	. Cylinder and Axle Assy - Lower end fitting inner LH (BX) .	î	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 -12	AN30-70 AN7502-1	Nut - Wheel bearing retaining	i	ALL
-13	AN7502-1	Washer - Wheel bearing retaining	ī	ALL
-14	34A15-2 5	OM30 -303.WRetainer - 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
-18	43983 51422	Axle and Grease Retainer Cup Assembly (BX)	i	ALL
-19	55475	Axle - Landing wheel	î	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
-55	53864	Inner Cylinder and Diaphram Assembly (BX)	1	ALL
-23	40B887-012	Clo2-20 Gasket - Metering pin (BX part no. 53051)	1	ALL
-24	53890 67652 NW-	3873 Pin - Metering (BX)	. 1	ALL
-25 -26	AN6231-31	Ring - Hydraulic piston rod	1	ALL
-27	67649	Bearing - Lower (BX)	ī	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
0.7	53850	Spacer Tube Assembly (BX)  . Washer - Bearing (BX)	1	ALL
-31 -32	53852 ~ 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)	7	ALL
-39 -40	AN310-8 AN960-816	. Washer - Plain	4	ALL
-41	AN8-47	. Bolt - Aircraft 1/2-20	2	ALL
-42	₽M •286-3	Fitting - Lubricator pressure grip type PT	2	ALL
-43	tal 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)	5	ALL
-45 -46	53877 53842	Bushing - Pneudraulic 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	AN901-5C	. Gasket - Metal tube connection seal	2	ALL
-53	66154	Plate - Instruction	1	ALL
-54	65427	Piston and Snubber Assembly - Outer Cylinder LH (BX)	1	ALL
	53856	Screw - Pneudraulic shock strut lock (BX)	ī	ALL
-55		Distant Proudroulis shoot strut (DV)	ī	
-55 -56	53853	Fiston - Fneudraulic Shock Strut (BA)	7	ALL
-56 -57	53853 53854	Piston - Pneudraulic shock strut (BX)	1	ALL
-56		Insert - Piston pneudraulic shock strut (BX)  Snubber Assembly - Pneudraulic shock strut (BX)  Bushing - Side lug pneudraulic LG shock strut (BX)	77	

ALIGHTING GEAR (Cont)

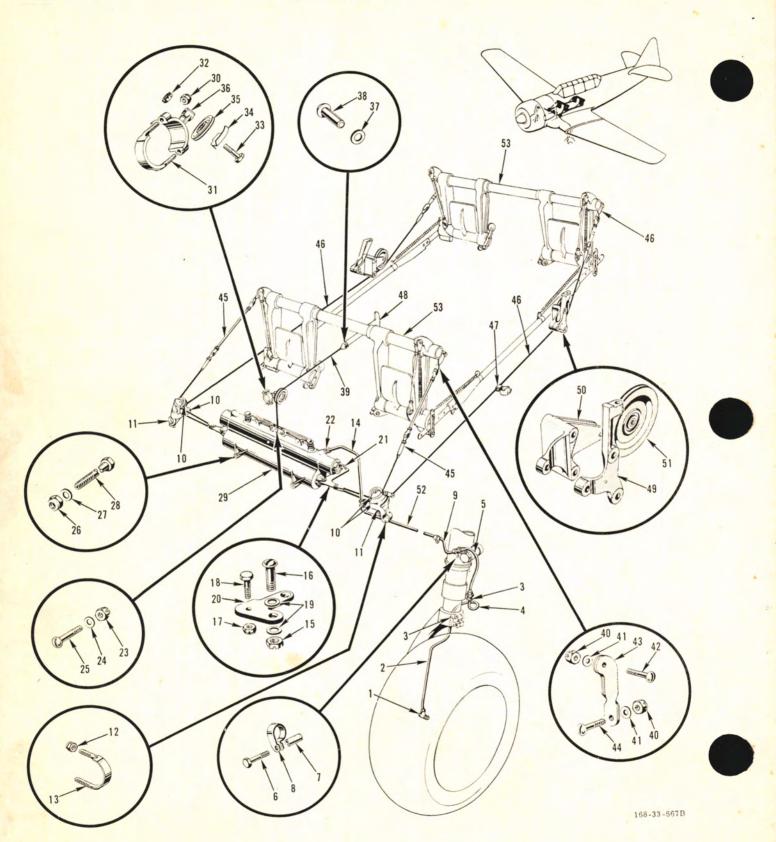


FIGURE 55 - BRAKE CONTROLS

MIAMI 48, FLA.

#### Section\_II

AN 01-60FFA-4

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
•		ALIGHTING GEAR (Cont) BRAKE CONTROLS		
55	77-33401	Brake Controls Installation (see figure 53 for next assembly) .		ALL
-1	51897	. Fitting Assembly (BX)	. 2	ALL
-2	55-33460	. Line Assy - Brake control flexible line to brake left Line Assy - Brake control flexible line to brake right	: 1	ALL
2	55-33461 55-33454	. Clamp - To brake right	. 2	ALL
-3 -4	1248145	Line - Flexible (BX)	. 2	ALL
-5	77-33456	Line Assembly - Brake control upper to lower flexible		
	77-33455	left oleo attaching		ALL
		right oleo attaching	. 1	ALL
-6	AN4H5A	. Bolt - Aircraft 1/4-28	. 2	ALL ALL
-7 -8	453-416-6	. Spacer - Bolt (NA)		ALL
-0	55-33472 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		ALL
-11	55-33406	. Bracket - Brake cable pulley front LH		ALL
	55-33406-1	. Bracket - Brake cable pulley front RH	. 1	ALL
-12	AN365-428	. Nut - Self locking 250°F		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		ALL
-16	AN24-17	Bolt - Clevis 1/4-28		ALL
-17 -18	AN310-3 AN3-6	Bolt - Aircraft 10-32		ALL
-19	AN960-416	. Washer - Plain		ALL
-50	55-33468	Link - Brake cable and spring attaching		ALL
-21	55-33467	. Spring - Brake cylinder external		ALL
-22	811CT450-5	. Fitting - Solderless	. 2	ALL
-23	AN320-3	. Nut - Castle shear		ALL
-24	AN960-10	. Washer - Plain		ALL
-25	AN23-10	. Bolt - Clevis 10-32		ALL
-26	AN365-428	. Nut - Self locking 250°F		ALL
-27	AN960-416	. Washer - Plain		ALL
-28 -29	AN4-34A 25-33402-30	. Cylinder Assembly - Master brake (for a list of detail parts		KLL
		refer to AN 03-25GBD-3) (supersedes 25-33402-20 and		
- 20-		25-33402-10) See Note *	. 1	ALL
-30	AN365-428	. Nut - Self locking 250°F	. 2	ALL
-31 -32	5B6-20	Bolt - U (NA)	. 1	ALL
-33	AN310-3 AN3-11	Bolt - Aircraft 10-32		ALL
-34	19-53906-3	. Guard - 1 1/4 inch diameter pulley		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 -41	AN320-4	. Nut - Castle snear		ALL
-41	AN960-416 AN24-13	Bolt - Clevis 1/4-28		ALL
-43	55-33469	Link - Brake cable turnbuckle attaching		ALL
-44	AN24-12	. Bolt - Clevis 1/4-28	-	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	. 2	ALL
-48	36-33440	. Handle Assembly - Parking brake		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		ALL
-51	55-33435 AN210-4A	Pulley - Anti-friction bearing control		ALL
-52	77-33454	. Line Assy - Brake control left wing union to flexible line .		ALL
_	77-33453	. Line Assy - Brake control right wing union to flexible line		ALL
-53	168-52403-3	Pedal Assembly - Cockpit rudder complete (front) Pedal Assembly - Cockpit rudder complete (rear)		
	168-52403-5	Pedal Assembly - Cockpit rudder complete (rear)	. Ref	

<sup>\* 25-33402-20</sup> Assemblies are serviced with red fluid per Spec. AN-0-366 and are OK to use. 25-33402-10 Assemblies are serviced with blue fluid per AF Spec. No. 3586 and may be substituted for -20 and -30 Assemblies on T-6G Airplanes by replacing rubber parts per T.O. No. 06-1-2A, servicing with red fluid per Spec. AN 0-366 and restamping the assembly with No. 25-33402-20.

AN 01-60FFA-4
ALIGHTING GEAR (Cont)

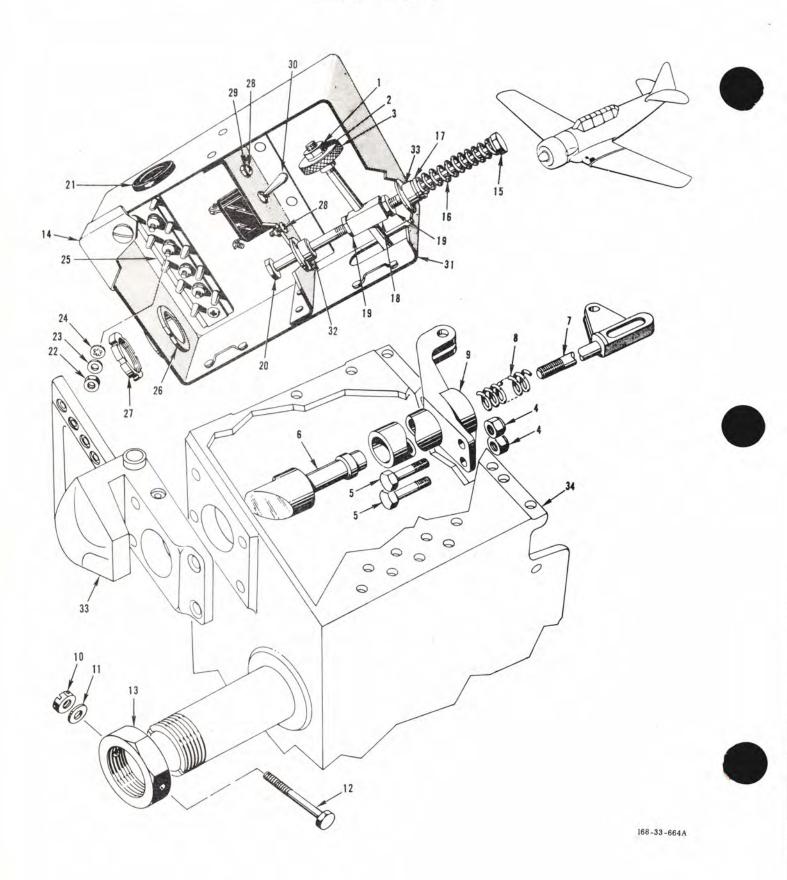


FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
		ALIGHTING GEAR (Cont) MAIN LANDING GEAR LOCK EQUIPMENT AND POSITION INDICATOR SWITCH	H BOY	
		MAIN LANDING GEAR LOCK EQUIPMENT AND POSITION INDICATOR SWITCH	n box	
56		Main Landing Gear Lock Equipment and Position Indicator Switch Box		
	No Number	. Main Landing Gear Lock Equipment (see figure 52 for next		
	No Number	assembly)	NP	ALL
-1	AN316-4R	Nut - Check		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		ALL
-5	AN4-11A	Bolt - Aircraft 1/4-28	4	ALL
-5		. Pin Assembly - Landing gear lock LH	1	ALL
	55-33504	Pin Assembly - Landing gear lock EH	1	ALL
-	55-33504-1	Fin Assembly - Landing gear lock An	1	ALL
-6	55-33525	Pin - Landing gear lock		ALL
-7	36-33541	Rod - Landing gear lock pin push		ALL
-8	36-33520	Spring - Landing gear lock pin	1	
-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 LF	1	ALL
	84-54058-1	Cover Assy - Landing gear position indicator switch box RF	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	24	ALL
-23	AN960-8	Washer - Plain	24	ALL
-24	AN936A8	Washer - Internal teeth lock	24	ALL
-25	NAS45-8-4	Panel Assembly - Electrical connector	1	ALL
-26	31-1176-3	Clamp - Conduit	1	ALL
			1	ALL
-27	31-1177-3	Nut - Conduit	0	ALL
-28	AN515-6R7	Screw - Round head machine coarse thread	-	
-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 box LH	1	ALL
	168-54026-2	Shield Assembly - Electrical alighting gear position		ATT
12.5		indicator switch box RH		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	

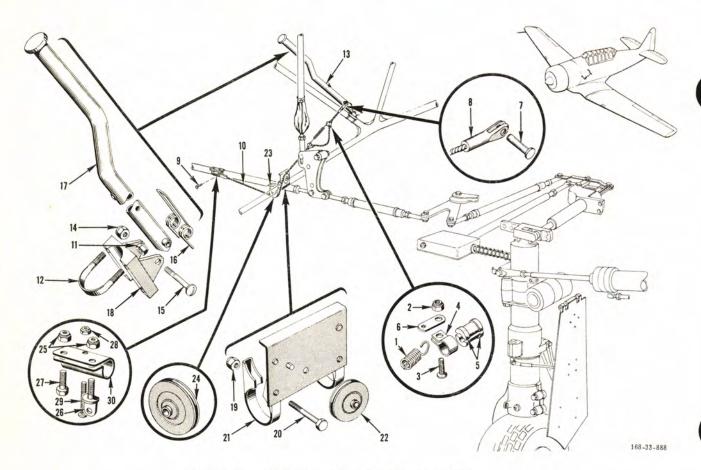


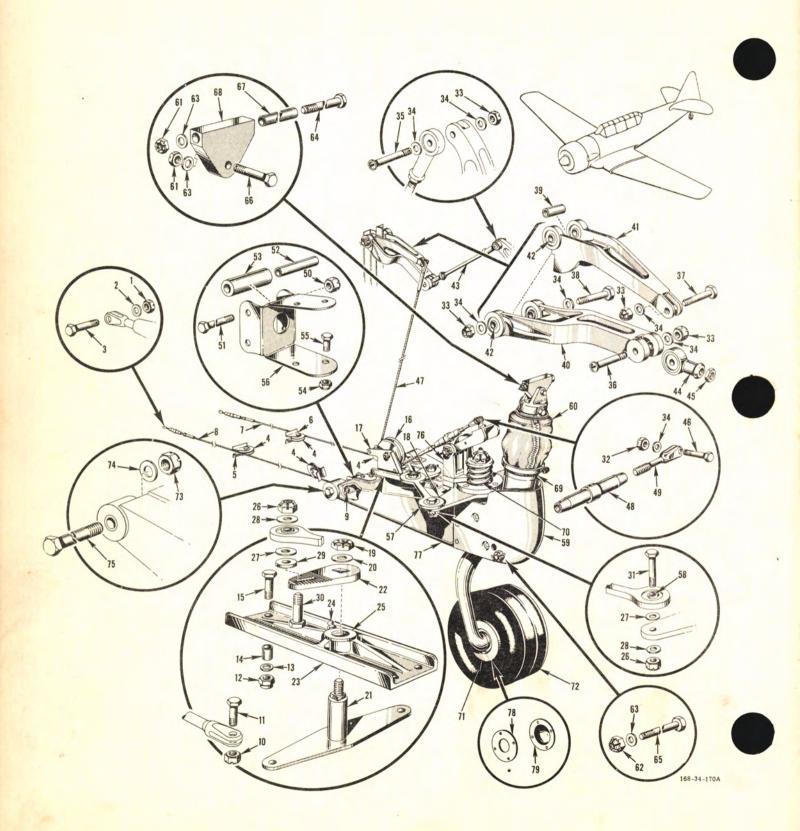
FIGURE 56A - ALIGHTING GEAR EMERGENCY DOWN LOCK

FIGURE &	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		
JOH	100-33701	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	AN520-10R8	. Screw - Machine round head fine thread	. 2	ALL
-4	AN742-4	. Clamp - Loop type support		ALL
	168-33558	. Bushing - Alighting gear emergency down lock cable		ALL
-5 -6	168-33569	. Link - Alighting gear emergency down lock cable		ALL
-7	AN393-11	. Pin - Flat head 3/16		ALL
-8	AN665-21R	. Terminal - Threaded clevis type tie rod		ALL
-9	AN393-9	. Pin - Flat head 3/16		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)		ALL
-13	168-33563	. Handle Assy - Alighting gear emergency down lock complete .		ALL
-14	AN310-4	Nut - Castellated airframe	. 1	ALL
-15	AN24-32	Bolt - Clevis 1/4-28		ALL
-16	168-33554	Spring - Alighting gear emergency down lock handle		ALL
-17	168-33557	Handle Assembly - Alighting gear emergency down lock	1	ALL
-18	168-33567	Support - Alighting gear emergency down lock handle		ALL
-19	AN 365-1032	. Nut - Self locking 250°F		ALL
-20	AN3-5A	Bolt - Aircraft 10-32		ALL
-21	168-33562	. Bracket Assembly - Alighting gear emergency down lock cable		ALL
-21	100-33502	upper pulley	1	ALL
-22	AN210-1B	Pulley - Anti-friction bearing control		
	168-33561	. Bracket Assy - Alighting gear emer down lock lower pulley .		ALL
-23	AN210-2B	. Pulley - Anti-friction bearing control		ALL
-24		. Nut - Self locking 250°F		ALL
-25	AN365-1032	Bolt - Alighting gear emergency down lock cable		ALL
-26	168-33553			ALL
-27	AN3-4A	Bolt - Aircraft 10-32		ALL
-28	AN365-632	. Nut - Self locking 250°F		ALL
-29 -30	AN515-6R16 168-33552	. Screw - Machine round head coarse thread		ALL

Section\_II\_
Group Assembly Parts List

AN 01-60FFA-4

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#### P. O. BOX 755 MIAMI 48, FLA.

Section\_II\_

# AN 01-60FFA-4 Group Assembly Parts List

FIGURE &	PART NUMBER	1	2 3	4 5	6 7		NOMENC	LATURE			UNITS PER ASSY.	APPLICAT
								EAR (Cont				
57	168-34031	Ali	ighting	Gear I	nstl	- Auxi	liary (mod	(see fig	.1 for next	assy)	. NP	ALL
-1	AN310-4		Nut - C	astell	ated	airfran	me				. 2	ALL
-2	AN960D416		Washer	- Plai	n	11:28						ALL
-3	AN4-7 AN210-3A		Pullev	- Anti	-fric	etion be	earing cor	itrol			. 4	ALL
-5	88-52474		Guard -	Rudde	er cor	atrol fr	us sta 215	5/8 cable	e pulley LH		. 1	ALL
-6	88-52474-1		Guard -	Rudde	er cor	ntrol fr	us sta 215	5/8 cable	e pulley RH		. 1	ALL
-7	88-34160-2		Cable A	ssy -	Tail	wheel :	steering o	control rig	tht side		. 1	ALL
-8	88-34160-3		Cable A	ssy -	Tail	wheel	steering o	control lef	t side		. 1	ALI
-9	NAS2-301		Fitting	- Lub	ricat	cinfug	mo				Trans.	ALI
-10 -11	AN310-4 AN4-6		Bolt -	Aircra	eft 1	/4-28 .						ALI
-12	AN365-432		Mart - S	e1f 10	nekins	250°F					. 2	ALI
-13	AN960D416L		Waghen	- Plai	n						. 2	ALI
-14	NAS43DD4-8		Spacer	- Bolt		'A. ' o o .					. 2	ALI
-15	AN4-10A	,	Bolt -	Aircre	aft 1/	/4-28 .	ooning cor	otnol			. 1	ALI
-16	AN210-2A 121-34502		Bancket	- Anti	- TA	il whee	1 disengar	zing system	n pulley .		. î	ALI
-17 -18	88-34158-2		Support	Aggy	- Tai	il whee	1 steering	z linkage			. 1	ALI
-19	AN320-6		. Nut	- Cast	tle sh	hear .					. 1	ALI
-20	2W1-24-24-63		Wagh	er - F	Plain						. 1	ALI
-21	88-34153-2		. Bell	crank	Assy	- Tail	wheel ste	ering lin	kage lower		1	ALI
-22	88-34169		. Bell	crank	- 181	Tetl	heel suvi	liary stee	upper ring bellcr	ank		AL
-23	88-34165 NAS2-103		H	itting	7 - I.	ubricat	ion				. 1	AL
-25	168-34033		P	earing	z - T	ail whe	el steerin	ng bellcra	nk housing		. 1	ALI
-26	AN310-4		Nut - C	astell	lated	airfra	me				. 2	AL
-27	2W1C17-32-62		Washer	- Plai	in .						. 2	AL:
-28	AN960C416L		Washer	- Plai	in .		-1 11-1		hollononk			AL
-29	88-34174		Washer	- Tall	I wheel	el stee	ng linkag	age upper	bellcrank . k		. 1	AL
-30	88-34170 AN4-12		Bolt -	Aincre	oft 1	14-28	ing Tillyage	o belleran			. 1	AL
-31 -32	AN320-3		Nut - C	astle	shea	r					. 1	AL:
-33	AN310-3		Nut - C	astell	lated	airfra	me				. 4	AL
-34	AN960D10		Washer	- Plas	in .						. 13	AL.
-35 -36	AN23-25		Bolt -	Clevis	9 10-	32					1 1	AL:
-36	AN23-21		Bolt -	Clevis	s 10-	0 30					. 1	AL
-37 -38	AN3-7 AN3-26		Bolt -	Airch	eft. 1	0-32					. 1	AL
-39	NAS43C3-36		Snocen	- Bolt	t.						. 1	AL
-40	121-34503		Bellens	ank Ass	SV -	Tail wh	neel disen	gaging sys	tem upper		. 1	AL
-41	121-34505		Rellens	ank Ags	gv - '	Tail wh	neel disen	gaging sys	tem lower		. 1	AL
-42	AN2OOK3L		. Bear	ing -	Heav	y duty	ball				: 1	AL
-43	121-34504		Rod Ass	embly	- Ta	11 whee	el disenga	ging syste	m			AL
-44 -45	RE3F4 AN316-4R		. Rod	Che (1	ck						. 2	AL
-45	AN3-6		Bolt -	Afren	aft. 1	0-32 .					. 1	AL
-47	121-34508		Cable	asemb'	7 - V	Tail wh	neel disen	gaging sys	tem		. 1	AL
-48	AN155-16S		Rappel	- Turi	nbuck	le					. 1	AL
-49	AN161-16RS		Fork -	Turnb	uckle						· 1	AL
-50	AN310-3		Nut - C	Ainen	eft l	0_32	ame		:::::		1 4	AL
-51	AN3-16 88-34157		Spacer	- Tai	1 whe	el stee	ering cabl	e front ro	ller		. 4	AL
-53	88-34156		Roller	- Tai	1 whe	el stee	ering cont	rol cable	front		. 4	AL
-54	AN365-1032		Nut - S	Self l	ockin	g 250° F	7				. 8	AL
-55	AN3-4A		Bolt -	Aircr	aft 1	0-32					. 8	AL AL
-56	88-34159		Bracket	- Ta	11 wh	eel ste	ering con	nk linkers	cable roll	ret. · ·	: 1	AL
-52 -53 -55 -56 -57 -58 -59 -60	88-34176		Rear	ning -	Heav	v dutv	ball				. 5	AL
-50	AN200KS4 88-34013		Paining	7 Agget	mhlv	- Teil	wheel hou	sing			. 1	AL
-60	88-34173		Boot A	Idmagg	v - T	ail whe	eel shock	strut				AL
-61	AN310-6		Nast - (	[astel	lated	airfra	ame				. 2	AI AI
-62	AN320-6		Nut - (	astle	shea	r					14	AI
-63	AN960-616		Washer	- PIA	oft 3	18-21			: : : : :			AI
-64	AN6-27 AN6-35		Bolt -	Airer	aft 3	18-24					: 1	AI
-65 -66	AN6-20		Delt	Admon	0 ft 7	1/8 2/1					. 1	AI
-67	88-34039		Rughin	a T - Ta	11 wh	neel ole	eo strut a	ttaching	oint		. 1	AI
-68	88-34006		Toint	Tell	whee	0180	griplit, lini	versal .				AI AI
-69	310482		Strut	Assy -	Tail	wheel	shock ou	tiline dwg	No. 410356	(GPC)	: 1	AL
70	53895		Strut .	ASSY -	Tall	el nost	t				: 1	AI
-70	88-34037		Wheel	- 12 1	/2 1r	x 11 7	1/2 in (F	N) (HA D-	3-292A or G	TR		
-71	J0200M			ONLA JI	63M m	nov he	gubatitute	d)			. 1	AL
-72	No Number		Coaina	12	1/2 1	n x 4	1/2 in t	vpe 7A (Sr	Dec - AN-C-5	5D)(FN)	. 1	AL
	No Number		Fuhe -	12 1/	2 in.	x 4 1/	/2 in. (Sp	ec. AN-T-	(8) (FN) .		. 1	AL
-73	AN310-8		Nut -	Castel	lated	airfra	ame					AL
-74	2W1-40-44-63		Washer	- Pla	in .	12 20			: : : : :			AL
-75	AN8-26		A FOOTT	0.07	modil	wheel d	declutchin	g (see fis	z. 59 for d	etails)	. 1	AI
-76 -77	121-34510 88-34002-50		Dont &	Uona1	no Ag	ogu - 12	2 5 in Te	11 wheel	see ligure	50) .	. 1	AI
-77	88-34002-60	:	Post &	Houst	ng As	18V - 12	2.5 in. Te	all wheel	see ligure	201 .	. 1	AI
		-			-						. 1	AL
-78	168-34035		Cover	- Tail	whee	el inbo	ard dust				. i	

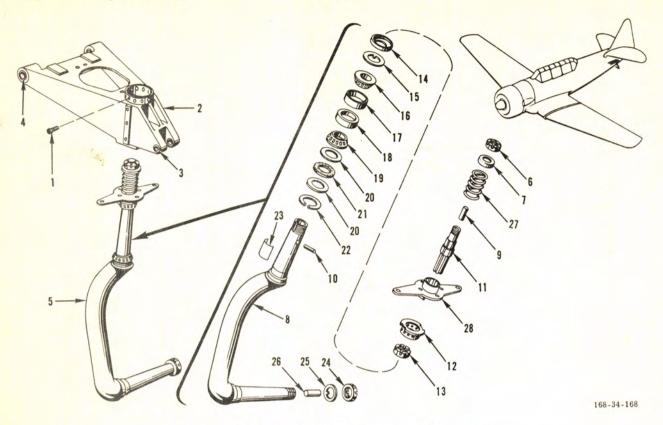


FIGURE 58 - TAIL WHEEL POST AND HOUSING ASSEMBLY

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	CODE
		ALIGHTING GEAR (Cont)		
		TAIL WHEEL POST AND HOUSING ASSEMBLY		
58	88-34002-50	**Post and Housing Assembly - 12.5 In. Tail wheel (see		
	88-34002-60	figure 57 for next assembly)	Ref	ALL
	00-)4002-00	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		ALL
-2				
	36-34005-6	*. Housing Assembly - Tail wheel knuckle		ALL
	36-34005-8	*. Housing Assembly - Tail wheel knuckle	1	ALL
-3	4B4-37	Bushing (NA)	2	ALL
	4B6-36	Bushing (NA)		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		ALL
-9	88-34041	Plug - Tail wheel knuckle sealing		ALL
-10	88-34040	Pin - Tail wheel knuckle extension		ALL
-11	88-34015-2	Extension - 12.5 inch tail wheel knuckle		ALL
-12	88-34036	Cap - Teil wheel post support sleeve	1	ALL
-13	88-34025	Nut - Tail wheel knuckle		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)		ALL
-18	19268	Cup (TI) (used on 88-34035-50)	1	ALL
-10	121-34030	Duebles (used on 99 34035-50)	1	ALL
3.0		. Bushing (used on 88-34035-60)	1	
-19	19150	Cone (T1) (used on 88-34035-50)	1	ALL
	121-34031	Inner Bushing - Tail wheel post assembly		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 - Teil wheel axle		ALL
-25	88-34031	Washer - Tail wheel bearing retainer		ALL
-26	88-34042	. Plug - Tail wheel axle sealing	-	ALL
-27	88-34037	Spring - Tail wheel post		ALL
-28	97-34120	Mast Assembly - 12.5 in. Tail wheel short steering	Ref	
		e parts, as a unit, are interchangeable. For spare post and		
	hous	ing assemblies, procure 168-34902 post and housing assembly.		
	*NOTE: Thes	e housings differ only in the manner in which holes are drilled.		14

#### Section\_\_\_II Group Assembly Parts List

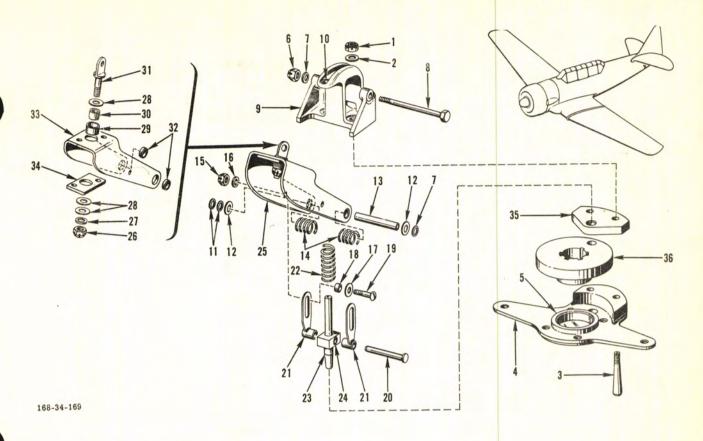


FIGURE 5	9 -	TAIL	WHEEL	DECLUTCHING	HEAD	ASSEMBLY

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION
		ALIGHTING GEAR (Cont)		
		TAIL WHEEL DECLUTCHING HEAD ASSEMBLY		
59	121-34510	Head Assembly - Tail wheel declutching (see figure 57 for		
25	121-34310	next assembly)	. Ref	ALL
-1	AN320-3	. Nut - Castle shear	. 2	ALL
-2	AN975-3	. Washer - Taper pin		ALL
-3	AN386-2-9	Pin - Threaded taper		ALL
-4	97-34120	. Mast Assembly - Tail wheel steering	. 1	ALL
	97-34121	. Bearing - Tail wheel steering mast	. 1	ALL
-5 -6	AN310-3	. Nut - Castellated airframe	· 1	ALL
		. Washer - Plain	. 2	ALL
-7	AN960D10	washer - Flain	. 1	ALL
-8	AN3-27	. Bolt - Aircraft 10-32		ALL
-9	121-34511	. Retainer Assembly - Tail wheel spindle lock pin	1	
-10	121-34512	Bearing - Tail wheel spindle lock pin retainer		
-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		ALL
-16	AN960D10	. Washer - Plain	. 2	ALL
	AN960D10L	. Washer - Plain	. 2	ALL
-17	2W1AL13-18-32	. Washer - Plain (NA)	. 2	ALL
-18	4B16CP3-4	. Bearing - Sintered oil impregnated (NA)	. 2	ALL
-19	AN23-10	. Bolt - Clevis 10-32	. 2	ALL
-20	AN393-49	. Pin - Flat head 3/16	. 1	ALL
-21	121-34506	Link Assembly - Tail wheel declutching	. 2	ALL
-55	97-34124	. Spring - Tail wheel spindle lock pin impeller		ALL
-23	97-34123	Pin Assembly - Tail wheel spindle lock	. 1	ALL
-24	A313-2	Bushing - Oilite (CC)	. 1	ALL
-25	121-34507	Bushing - Oilite (CC)	. 1	ALL
-26	AN310-4	. Nut - Castellated airframe	i	
		Washer - Plain		ALL
-27	AN960-416	. Washer - Flain	. 2	ALL
-28	2W1-16-20-32	Washer - Plain (NA)	. 1	
-29	4B16CF6-11	Bearing - Sintered oil impregnated (NA)	. 1	ALL
-30	4B19S4-012	Bushing - Press fit plain (NA)	: 1	
-31	AN43-7	Bolt - 1/4-28 for 3/16 pin eye		
-32	4B16CP5-4	Bearing - Sintered oil impregnated (NA)		ALL
-33	121-34507-3	Bellcrank - Tail wheel declutching	. 1	ALL
-34	121-34507-5	Plate - Tail wheel declutching bellcrank		
-35	97-34173	. Housing - Tail wheel spindle lock pin	. 1	ALL
-36	121-34007	. Plate - Tail wheel spindle to mast locking	. 1	ALL

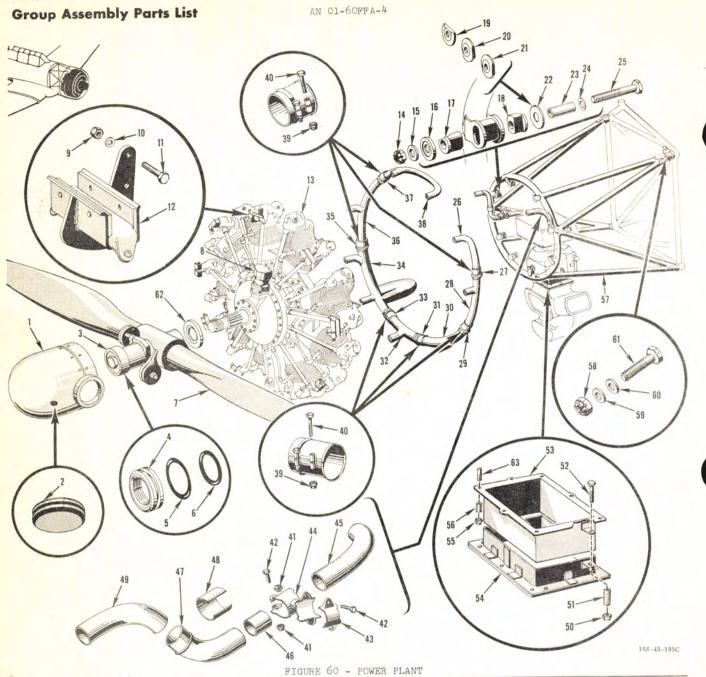


FIGURE &	PART NUMBER		1	2	3 4	5	6	7	-	NOMENCLATU	JRE		PER A	
	POWER PLANT AND ENGINE SECTION POWER PLANT													
60	168-40040		Po	wer	Plant	Ins	stl	(mo	d) (see	figure 1 f	or next asse	embly)	NP	ALL
	168-31540			Eng	ne C	LWO!	no	Ing	tl (mod)	(see fig.	61 for deta	all breakdown	) NP	ALL
	168-47040			017	Cwet	em T	Inet	t.7 (1	mod ) (see	fig. 62 f	or detail by	reakdown)	NP	ALL
	168-48001			man	re Tr	nstl	- T	Ruel	svs (mo	d)(see fig	2.65 for deta	ail breakdown	) NP	ALL
	168-45001	w 7		Sta	eting	SVS	3 Tr	nstl	(mod) (	see fig. 64	for detail	breakdown) .	NP	ALL
-1	168-44002	*1		Spi	nner	ASS	y -	i at	of detai	1 nante re	fer to TO	03-20CB7) .	1	ALL
-2	168-44008	*1		Gro	nmet	- Pr	rone	e11e	r spinne	r			2	
-3	168-44004	-		Hub	Assi	V - ]	Pro	p. (	mod)(alt	ered from	HS part No.	12D40) (GFP)		
- 5	200				( f	or s	9 ]	ist	of detai	1 parts re	efer to T.O.	03-20CB2) .	1	ALL
-4	168-44005				Nut -	- Pro	ope.	ller	piston	oil seal (	(168-44005-5	, -10, -15		
											e determine		1	A1-C60, H51-
						Si	ze o	of p	ropeller	shart) .	70307 5 70		1	A1-000, H)1-
	78197				Nut -	- Pro	ope.	ller	piston	oil seal (	(78197-5, 78	197-10 and		
											be determine		7	с61-н50
													1	COI-HOC
-5	168-44010				Pack:	ing .	- P:	rope	ller hub	assembly	"O" ring		7	A1-C60, H51-
						(81	upe	rsed	es AN622	7-49)			7	C61-H50
	78198				Pack:	ing .	- P	rope	ller pis	ton oil se	eal (HS) .		1	
-6	AN900-64				Gaske	et -	Co	pper	asbesto	s annular			1	A1-C60, H51-
	50286				Gaske	et -	Pr	opel	ler pist	on oil sea	al (HS)		1	C61-H50

FIGURE & NDEX NUMBER	PART NUMBER	1	2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION
NDEX NUMBER	NOMBER	-	POWER PLANT AND ENGINE SECTION (Cont)	PER ASSY.	CODE
			POWER PLANT (Cont)		
0-7	168-44007		Blade Assy - Propeller (mod) (altered from HS part No. 6101A12) (GFP) (for a list of detail parts refer		
	Tarana and		to T. O. 03-20CB-2)		A1-C46
	6101A12	* .	Blade Assembly (HS)		C47-,Z
	6101A13 6101A14	* .	Blade Assembly (HS)	2	C47-,Z
-8	IM12A		onstant Speed Propeller Unit (HS) (GFP) (for a list of		
		HING PART	detail parts refer to T. 0. 03-20CA-4)		ALL
	46A1135-524	•	ut - Self locking stainless steel 51 16-24	4	ALL
-9	AN365-428		ut - Self locking 250°F	18	ALL
-10 -11	AN960-416 AN4-7A		asher - Plain	18	ALL
-12	36-31055-4		ug Assembly - Engine ring cowling supporting	10	ALL
-13	R1340ANI		ngine (GFP) (for a list of detail parts refer to		
	ATTACH	HING PART	T.O. Ó2À-10DC-4B)	1	ALL
-14	AN310-7		ut - Castellated airframe		ALL
-15	AN320-7 AN960-716		ut - Castle shear (used between cylinder 1 and 2)		ALL
-16	2W3		asher - Engine mount (NA)	9	ALL
-17	4C2-2		ushion - Vibration absorber (NA)	9	ALL
-18	36-31912		ushion - Engine mount vibration absorber (used between	2	
	402-2		cylinders No. 1 and 2)		ALL
-19	55-31911		asher - Engine mount vibration absorber right (used		
-20	EE 21016		between cylinders 1 and 2)	1	ALL
-20	55-31916		asher - Engine mount vibration absorber (used between cylinders 2 and 3)	1	ALL
-21	55-31919		asher - Eng mount vibration absorber (used between cyl 1	& 9). 1	ALL
-22	2W3		asher - Engine mount (NA)	6	ALL
-23 -24	25-31912 AN960-716		pacer - Engine mount vibration absorber		ALL
-25	AN7-57		asher - Plain	8	ALL
	49-42006		olt - Engine mounting clevis special (magnetic inspected)		
	- 60 1		(used between cylinders 1 and 2)		ALL
-26	168-42005 88-42005-7		anifold Assembly - Engine exhaust (modification)		ALL
-27	88-42005-6		Weld Assembly - Engine exhaust manifold		ALL
-28	88-42005-13		Weld Assembly - Engine exhaust manifold		ALL
-29	88-42005-5		Clamp Assembly - Engine exhaust manifold		ALL
-30 -31	88-42005-12 88-42005-3		Weld Assembly - Engine exhaust manifold		ALL ALL
-32	88-42005-11		Weld Assembly - Engine exhaust manifold		ALL
-33	88-42005-4		Clamp Assembly - Engine exhaust manifold	1	ALL
-34	88-42005-8 88-42005-3		Weld Assembly - Engine exhaust manifold		ALL
-35 -36	88-42005-10		Clamp Assembly - Engine exhaust manifold Weld Assembly - Engine exhaust manifold	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	ALL
-37	88-42005-2		Clamp Assembly - Engine exhaust manifold	1	ALL
-38	88-42005-9		Weld Assembly - Engine exhaust manifold	1	ALL
-39 -40	1N1B4 AN4-14	•	Nut - Aircraft castle (NA)	12	ALL
-41	AN365-1032		ut - Self locking 250°F	6	ALL
-42	AN3-13A		olt - Aircraft 10-32	6	ALL
-43 -44	AN740T24P 55-42050		lamp - Tube		ALL
-44	55-42051		racket Assy - Magneto cooling tube left support		ALL
-45	55-42083		ube - Magneto cooling rear LH and RH		ALL
-46	3H2-24-16		ose (NA)	2	ALL
-47 -48	55-42082 55-42084		ube - Magneto cooling intermediate LH and RH	2	ALL
-49	55-42052		ube - Magneto cooling front LH and RH	2	ALL
-50	AN310-3		ut - Castellated airframe	2	ALL
-51	55-42034	. ,	pring - Mixing chamber to carburetor duct	2	ALL
-52 -53	AN3-20 88-42073		olt - Aircraft 10-32		ALL
-54	88-42074		uct Assy - Mixing chamber to carburetor upper air		ALL
-55	AN365-524		ut - Self locking 250°F	8	ALL
-56 -57	4S3-516-8 168-31901		pacer - Bolt (NA)		ALL
-57 -58	AN310-8		ount Assembly - Engine (modification)		ALL ALL
-59	AN960-816		asher - Plain	4	ALL
-60	4B19-8-6		ushing - Press fit plain (NA)	4	ALL
-61 -62	AN8-13 168-44009		olt - Aircraft 1/2-20	4	ALL
-63	No Number	1	pacer - Propeller spinner	1	A51-A8

<sup>\*</sup> Alternate and interchangeable assemblies when used in pairs. \*1 Superseded by 42J15621 (GFAE)

AN 01-60FFA-4

POWER PLANT AND ENGINE SECTION (Cont)

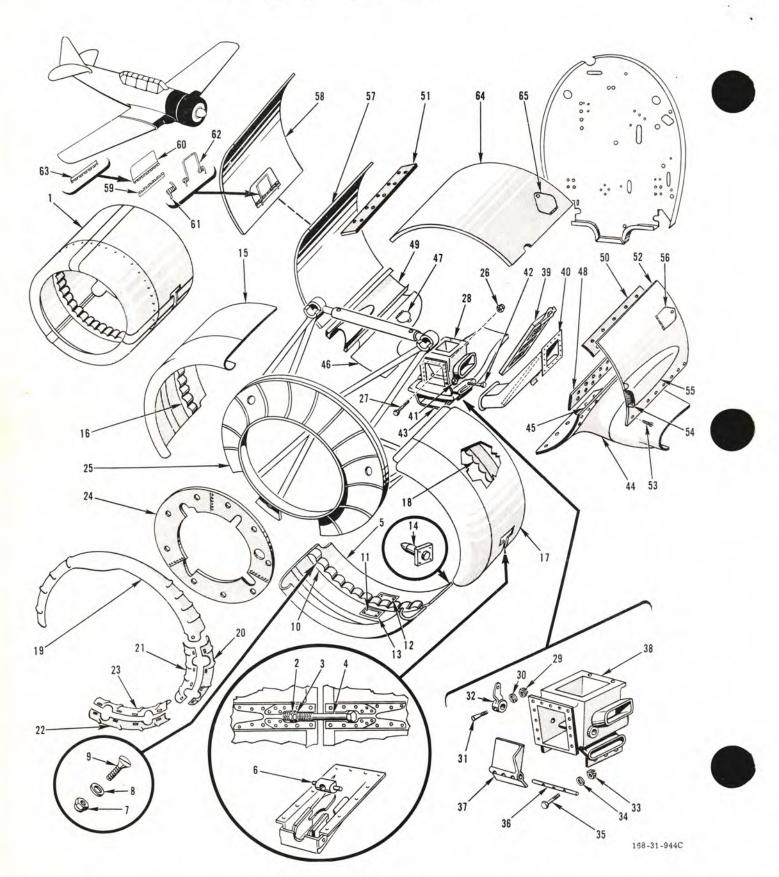


FIGURE 61 - ENGINE COWLING

P. D. BOX 755 MIAMI 48, FLA.

# Section\_II

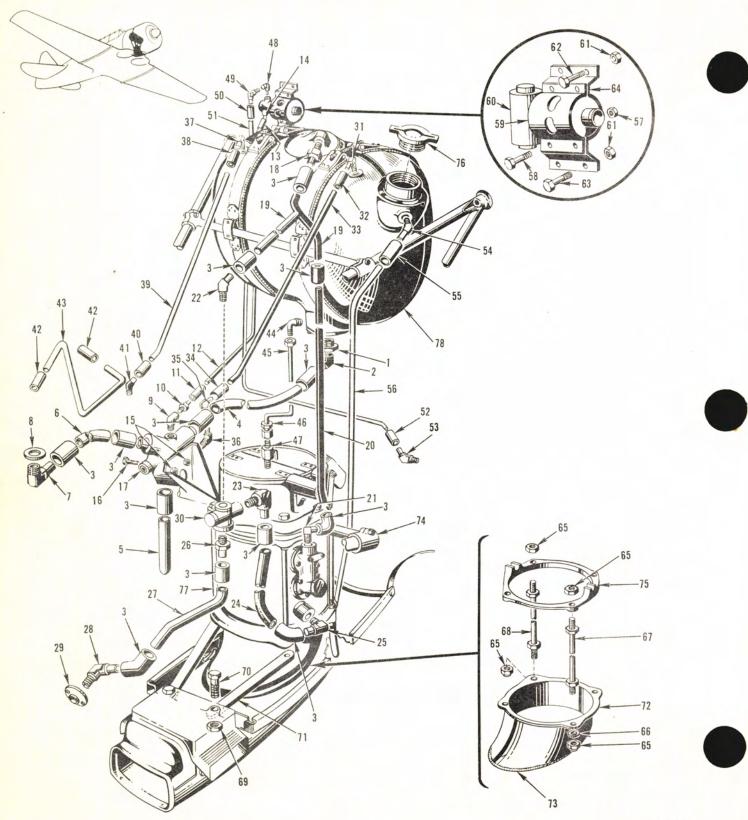
#### AN C1-60FFA-4

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATIO CODE
		POWER PLANT AND ENGINE SECTION (Cont) ENGINE COWLING		
ε1	168-31540	Cowling Instl - Engine (mod) (see fig. 60 for next assy)	. NP	ALL
-1	168-31502	. Cowling Assembly - Engine ring (modification)		ALL
-2	AN316-ER	Nut - Check		ALL
-3	AN315-ER	Nut - Plain airframe	. 3	ALL
-4	19-31013	Bolt - Engine ring cowling special	. 3	ALL
-5 -6	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°F	. 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 - Strap (NA)		ALL
-11	AN507-832R7	Screw - 100° Flat head machine coarse thread		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 .		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)		ALL
-17	88-31002-19	Cowling Assembly - Engine ring upper LH		ALL
-18	3P1-12-8-214	Pad - Strap (NA)		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		ALL
-23	88-42057	. Muff Assy - Exhaust collector carburetor hot air inner lower		ALL
-24	168-31006	. Baffle Assembly - Engine assembly (modification)	. 1	ALL
-25	168-31028	. Ring Assembly - Engine fixed cowling (modification)		ALL
-26	AN365-1032	. Nut - Self locking 250°F		ALL
-27	AN3-4A	Bolt - Aircraft 10-32		ALL
-28	66-42003	. Chamber Assembly - Carburetor air mixing complete		ALL
-29	AN320-3	Nut - Castle shear		ALL
-30	AN975-3	Washer - Taper pin		ALL
-31	AN386-1-7	Pin - Threaded taper	. 1	ALL
-32	55-42032	Bellcrank - Hot and cold air gage control		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		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°F	. 6	ALL
-42	AN3-5A	. Bolt - Aircraft 10-32		ALL
-43	168-31504	** . Cowling Assembly - Engine removable lower (modification) .	. 1	ALL
-44	88-31066	. Cowling Assembly - Engine removable lower LH	. 1	ALL
	88-31081	Cowling Assembly - Engine removable lower inboard	. 1	ALL
-45	66-31072	Door Assembly - Engine removable lower inboard cowl .		ALL
-46	88-31066-1	. Cowling Assembly - Engine removable lower RH		ALL
	88-31081-1	Cowling Assembly - Engine removable lower inboard RH		ALL
-47	88-31084	Door Assembly - Engine removable right hand cowl		ALL
-48	168-31510	. Former Assembly - Engine cowling support lower LH		ALL
-49	168-31511	. Former Assembly - Engine cowling support lower RH (mod)		ALL
-50	77-31090	. Former Assembly - Engine removable cowl upper left side .		ALL
-51	55-31090-5	. Former Assembly - Engine removable cowling upper right side		ALL
-52	88-31027	. Cowling Assembly - Engine removable carburetor airscoop		ALL
-53	AN520-10-8	Screw - Round head machine fine thread		ALL
-54	55-42019	Screen Assembly - Carburetor airscoop		ALL
<b>-</b> 55 <b>-</b> 56	55-31003	Scoop - Engine removable cowling carburetor air		ALL
-56	88-310173	Door Assy - Engine removable side cowling starter access		ALL
-57 -58	88-31028	. Cowling Assembly - Engine removable upper right		Al-A
-58	168-31030	. Cowling Assembly - Engine removable upper right (mod)		A51-
	168-31030-10	. Cowling Assembly - Engine removable upper right (mod)	. 1	B56-
-59	168-31031	. Hinge - Engine upper right removable cowl battery		
-	- 40	disconnect access door half	. 1	A51-
-60	168-31032	Door Assembly - Engine upper right removable cowl		1000
		battery disconnect access	. 1	ALL
-61	165-318142	Spring - Cockpit enclosure canopy aft fairing cover	4	
		retaining (battery disconnect access)		ALL
-62	168-31033	Spring - Battery disconnect access door		B56-
-63	168-31031	. Hinge - Engine upper right removable cowl battery disconnect		
		access door half	. 1	A51-
-64	168-31503	. Cowling Assembly - Engine removable top (modification) Door Assembly - Removable cowling oil filler cap access	1	ALL

<sup>\*</sup> 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.

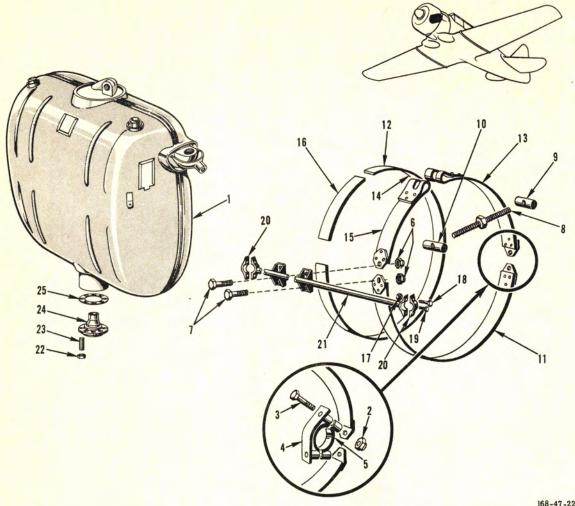
AN 01-60FFA-4
POWER PLANT AND ENGINE SECTION (Cont)



168-47-229

FIGURE - 62 OIL SYSTEM

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE PER ASSY.	PPLICATION
		POWER PLANT AND ENGINE SECTION (Cont) OIL SYSTEM	
62	168-47040		ATT
-1	AN912-13		ALL
-2	AN844-16		ALL
-3.	3H2-16-15	/	ALL
-3· -4	88-47813		ALL
-5 -6	88-47809		ALL
	88-47814		ALL
-7	AN842-16	. Elbow - Pipe thread and hose 90°	ALL
-8	58-47023	. Flange - Oil outlet	ALL
-9	AN914-1	. Elbow - Internal and external pipe thread 90° 1	ALL
-10	AN840-4	. Adapter - Hose to pipe thread	ALL
-11	3H2-4-13		ALL
-12 -13	168-47801-7 3H2-4-13	Line - Oil dilution solenoid to "Y" drain	ALL
-14	AN844-4	. Hose (NA)	ALL
-15	AN365-1032		ALL
-16	AN3-17A		ALL
-17	41D10687-4		ALL
-18	AN840-16		ALL
-19	88-47806		ALL
-20	88-47805		ALL
-21	AN844-16	. Elbow - Pipe thread and hose 45°	ALL
-22	AN844-17		ALL
-23	AN842-17		ALL
-24	88-47807		ALL
-25	AN842-16		ALL
-26	AN840-17		ALL
-27	88-47808	. Line - Engine to surge valve oil	ALL
-28	AN844-16	. Elbow - Pipe thread and hose 45° 1	ALL
-29	58-47023	. Flange - Oil outlet	ALL
-30	U4400-1	. Valve Assembly - Surge (UA)	ALL
-31	AN842-8	Elbow - Pipe thread and hose 90°	ALL
-32	3H2-8-13	. Hose (NA)	ALL
-33 -34	88-47810	. Line - Oil engine to oil tank left vent	ALL.
-34	3H2-8-13	. Hose (NA)	ALL
-35	AN844-8	Elbow - Pipe thread and hose 45°	ALL
-36	AN915-3	Elbow - Internal and external pipe thread 45°	ALL
-37	AN842-8	Elbow - Pipe thread and hose 90° 1	ALL
-38	3H2-8-13		ALL
-39 -40	88-47811	. Line - Oil engine to oil tank right vent	ALL
-40	3H2-8-13		ALL
-41	AN847-8	. Elbow - Pipe thread and hose 90°	ALL
-43	3H2-12-14 88-42801	. Hose (NA)	ALL
-44	811CT6		ALL
-45	168-47801-5		ALL
-46	811gT6		ALL
-47	AN770A2		ALL
-48	AN914-1	Elbow - Internal and external nine thread 90°	ALL
-49	AN844-4		ALL
-50	3H2-4-13	. Hose (NA)	ALL
-51	168-47801-5		ALL
-52	3H2-4-13	. Hose (NA)	ALL
-53 -54	AN844-4	Elbow - Pipe thread and hose 45°	ALL
-54	AN842-10		ALL
-55	3H2-10-14		ALL
-56	88-47815	. Line - Oil tank filler drain neck overflow	A-K,
	168-47802		Z
-57 -58	AN365-1032		ALL
-50	AN3-4A 55-47018	. Bolt - Aircraft 10-32	ALL
-59 -60	AN4078-1	Clamp - Tube	ALL
-00	WM4010-T	. Oil Dilution Solenoid (for a list of detail parts refer to	ATT
-61	AN365-1032		ALL
-62	AN3-3A		ALL
-63	AN3-4A		ALL
-64	55-47017		ALL
-65	AN365-428	- 1	ALL
-66	AN960-416		ALL
-67	55-42077-5		ALL
-68	55-42077-4		ALL
-69	AN365-428		ALL
-70	AN4-6A		ALL
-71	65-42063		ALL
-72	65-42016		ALL
-73	7E30-32-0		ALL
-74	88-42009	. Support Assembly - Oil cooler	ALL
-75	77-42024		ALL
-76	77-47021	. Cap Assembly - Oil tank filler	ALL
-77	No Number	. Regulator and Valve Assy - Oil temperature type C5 (Spec.	
		No. 95-28150) (for a list of detail parts refer to: 1	ALL
	2D3366	T.O. 03-15-8 (AIR)	
	TTOT WORE	m 0 02 15 10 (774)	
	U3180D5 37008	T.O. 03-15-12 (UA) T.O. 03-15-13 (YGR)	



168-47-228A

FIGURE 63 - OIL TANK AND ATTACHING PARTS

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION
		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 ATTACHIN	. Tank Assembly - 011 (77-47002 is a suitable substitute)	. 1	ALL
-2	AN365-428	. Nut - Self locking 250°F	. 4	ALL
	AN4-14A	. Bolt - Aircraft 1/4-28	. 4	ALL
-3 -4	58-47020-3	. Clamp Assembly - Oil tank support	. 2	ALL
	58-47020-2	. Clamp Assembly - Oil tank support		ALL
-5 -6	AN365-428	. Nut - Self locking 250°F		ALL
-7	AN4-4A	. Bolt - Aircraft 1/4-28		ALL
-7 -8	NAS27-4C	. Turnbuckle - Tank strap		ALL
-9	1N3-2	. Nut - Turnbuckle (NA)		ALL
-10	1N3-3	. Nut - Turnbuckle (NA)	-	ALL
-11	25-47014-14	. Strap Assembly - Oil tank lower		ALL
-12	3P1-8-14-100	. Pad - Strap (NA)		ALL
-12	3P1-8-14-37	. Pad - Strap (NA)		ALL
-13	36-47027-34	. Strap Assembly - Oil tank upper		ALL
-14	3P1-8-14-37	. Pad - Strap (NA)		ALL
-15	36-47027-32	. Strap Assembly - Oil tank upper		ALL
-16	3P1-8-14-50	. Pad - Strap (NA)		ALL
-17	AN365-1032	. Nut - Self locking 250°F	. 4	ALL
-18	AN3-12A	Bolt - Aircraft 10-32	14	ALL
-19	AN530-6-8	Screw - Sheet metal round head	. ,	ALL
-20	5C3E20	Clamp - Forged tube (NA)		ALL
-21	77-47037	m : 1 12 012 1 1 0 1		ALL
-21		. Tube Assembly - Oil tank front support		KUU
-22	AN365-428	Nut - Self locking 250°F	. 8	ALL
-23	36-47032	Stud - Oil tank sump		ALL
-24	36-47004	Stand Pipe - Oil tank sump		ALL
-25	37A4959	Seal - Fuel cock stem		ALL

AN C1-6CFFA-1

# Section\_\_\_II\_\_ Group Assembly Parts List

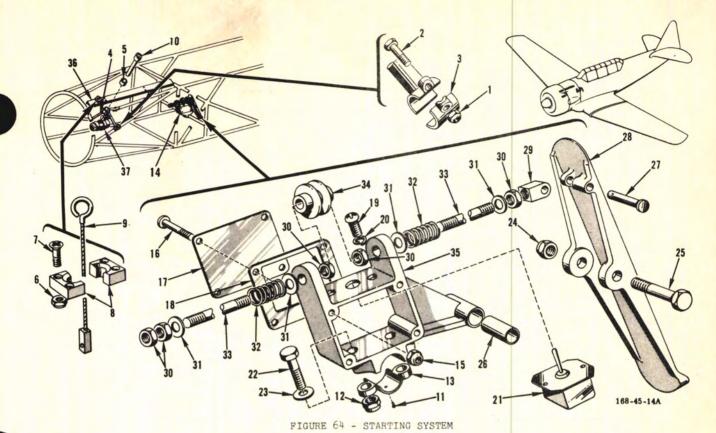


FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE PER ASSY	APPLICATION CODE
		POWER PLANT AND ENGINE SECTION (Cont) STARTING SYSTEM	
64	168-45001	Starting System Installation - (Modification) (see figure 60 for next assembly)	ALL
		(see Figure 60 for next assembly)	ALL
-1	AN365-1032		ALL
-2	AN3-12A	Bolt - Aircraft 10-32	ALL
-3 -4	5C3E20	. Clamp - Forged tube (NA)	ALL
	55-45030	Bracket Assembly - Engine starter shaft	ALL
-5 -6	19-45016	. Bushing - Engine starter shaft bracket	ALL
-6	AN365-832	. Nut - Self locking 250° F	
-7	AN507-832R12	Screw - 100° flat head machine coarse thread	ALL
-8	77-310143	. Block - Engine removable cowling former starter	
17		engaging hook guide	ALL
-9	168-45006	. Cable Assy - Manual starting engaging control (modification).	ALL
-10	8E1-17-4	Extension - Starting crank	ALL
-11	AN530-6-8	Screw - Sheet metal round head	ALL
-12	AN365-428	Nut - Self locking 250° F	ALL
-13	23-45038	Clamp Assembly - Engine starter control pedal	ALL
-13	168-45002	Pedal Assembly - Engine starter control (modification) 1	A1-D30
-14	168-45002-10	Pedal Assembly - Engine starter control (modification) 1	D31-,Z
3.5		. Nut - Self locking 250° F	ALL
-15	AN365-1032	- Din bin bin bin bin bin bin bin bin bin b	ALL
-16	AN520-10-36	Screw - Round head machine line thread	ALL
-17	23-45012	Spacer - Engine starter control pedal cover	A1-D30
-18	168-45005	Screw - Round head machine coarse thread	ALL
-19	AN515-6R7	Screw - Round head machine coarse thread	ALL
-20	AN935-6	Washer - Spring lock	ALL
-21	AN3023-7	SMITCH - LODGE GUIDTE DOTE CHICE HOTE MORNOTINE	ALL
-22	AN4-14A	. Bolt - Aircraft 1/4-28	ALL
-23	AN960-416	Washer - Plain	ALL
-24	AN365-428		ALL
-25	AN4-25A	Bolt - Aircraft 1/4-28	
-26	484-8-74	Spacer - Rivet (NA)	ALL
-27	AN393-49	Pin - Flat head 3/16	ALL
-28	168-45003	Pedal - Engine starter switch	ALL
-29	23-45006	Connector - Engine starter switch rod	ALL
-30	AN316-4R	Nut - Check	ALL
-31	AN960-416	Washer - Plain	ALL
-33	23-45014	Spring - Engine starter switch	ALL
-32	23-45036	Rod - Engine starter switch	ALL
-22	23-45008	Spool - Engine starter switch	ALL
-32 -33 -34 -35	23-45003	Boy - Engine starter switch	ALL
-35		Former Assembly - Engine removable cowling	
-36	77-31090	Starter - Type G5 (Spec. 95-32303) (FFP)	
-37	No Number	Starter - Type at (Spec. 37-35) (Trail	

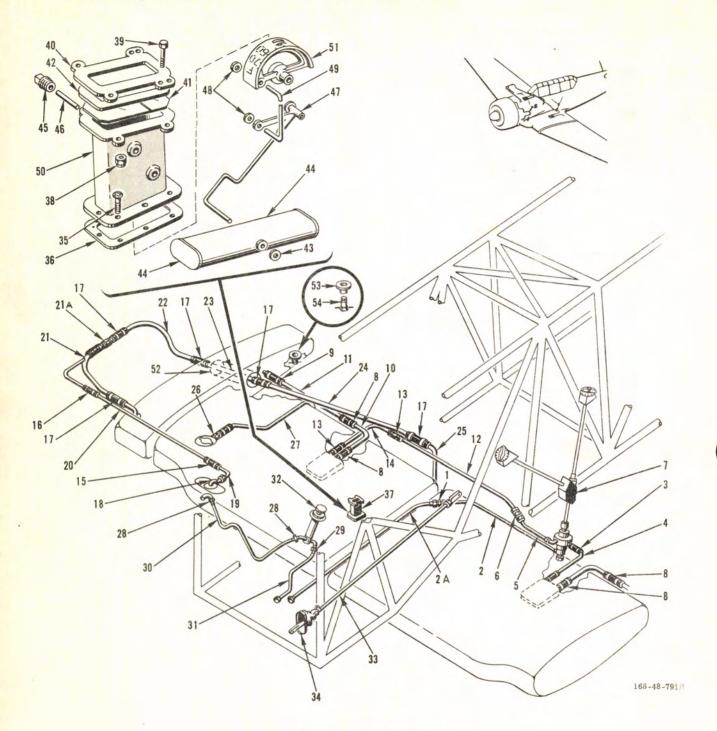


FIGURE 65 - FUEL SYSTEM TANKS

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 SYSTEM TANKS		
65	168-48001	Tanks Installation - Fuel system (modification) (see	N.D.	
	No Number	figure 60 for next assembly)	· NP	ALL
	No Number	detail breakdown)	. NP	ALL
		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 -4	3H2-10-15	. Hose (NA)	. 2	ALL
	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

P. O. BOX 755 AN 01-60FFA-4

Section\_II

### Group Assembly Parts List

			Group Assembly Parts Lis			
FIGURE & DEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE		UNITS PER ASSY.	APPLICATI	
		POWER PLANT AND ENGINE SECTION (Cont) FUEL SYSTEM TANKS (Cont)				
55-6 -7	811HT10 No Number	. Fitting - Solderless		. 1	ALL	
0		detail breakdown)		. NP	ALL	
-8	3H2-16-15	. Hose (NA)			ALL	
-9	3H2-16-15	. Hose (NA)			ALL	
-10	168-48019 <b>-</b> 5 168-48019-3	. Elbow - Auxiliary fuel tank transfer (right side)			ALL	
-11	168-48018	. Elbow - Auxiliary fuel tank transfer (Left side)		. 1	ALL	
-12	121-48407-15	. Line - Auxiliary fuel tank transfer	· · ·	: 1	ALL	
-13	3H2-10-15	. Hose (NA)			ALL	
-14	121-48407-16	Line - Aux fuel tank to main selector valve section No.			ALL	
-15	3H2-6-15	. Hose (NA)			ALL	
-16	3H2-8-15	. Hose (NA)			ALL	
-17	3H2-12-15	. Hose (NA)		. 10	ALL	
-18	811CT45-6	. Fitting - Solderless		. 2	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 sic			ALL	
	121-48433-3	. Line - Aux fuel tank sect. No. 2 swaged vent (left side	.)	. 1	ALL	
-21	168-48022	. Line Assembly - Auxiliary fuel tank vent RH			AL-B	
	168-48022-10 168-48021	. Line Assembly - Auxiliary fuel tank vent RH			B2-,	
	168-48021-10	. Line Assembly - Auxiliary fuel tank vent LH Line Assembly - Auxiliary fuel tank vent LH			Al-B	
-21A	8-250-77	<ul> <li>Line Assembly - Auxiliary fuel tank vent LH</li> <li>Valve Assembly - Check swing size 12 and 10058-12 ports</li> </ul>		. 1	B2-,	
LIN	0-250-11	.125 diameter hole (PA)		. 1	B2-,	
-22	121-48407-12	. Line - Auxiliary fuel tank section No. 3 RH "T" assembl	у	. 1	De-,	
	202 hOhor 2h	. Line - Auxiliary fuel tank section No. 3 RH "T" assemb to section No. 4 (right side)		. 1	ALL	
	121-48407-14	. Line - Auxiliary fuel tank section No. 3 LH "T" assemb	У			
-23	121-48407-9	to section No. 4 (left side)		. 1	ALL	
	101 hOhom ha	(right side)		. 1	ALL	
	121-48407-41	. Line - Auxiliary fuel tank section No. 4 to outlet vent	,			
-24	121-48407-10	(left side)			ALL	
-25	121-48445-1	. Line - Auxiliary fuel tank section No. 5 vent Line - Auxiliary fuel tank outlet vent (right side) .		. 2	ALL Al-B	
>	168-48047	Line Assy - Auxiliary fuel tank outlet vent (right side)			B2-,	
	121-48445-2	. Line - Auxiliary fuel tank outlet vent (left side)			Al-B	
	168-48046	. Line Assy - Auxiliary fuel tank outlet vent (left side)			B2-,	
-26	AN840-6	. Adapter - Hose to pipe thread			ALL	
-27	77-48814	. Line - Fuel tank filler cap drain (right side)			ALL	
	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			ALL	
-31	121-48407-45	(supersedes 55-48827)		. 1	ALL	
-31	121-40407-45	. Line Assembly - Fuel engine primer to firewall (supersedes 55-48828)		. 1	ATT	
-32	No Number	Primer Type 401-1A (PA)		: 1	ALL	
-33	36-48079	Rod Assembly - Hand fuel pump control front			ALL	
-34	19-48089	Boot - Hand fuel pump control rod			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	
-0	168-51010-2	. Gage Assembly - Fuel tank RH (modification)		. 1	ALL	
-38	AN365-1032	Nut - Self locking 250° F		. 4	ALL	
-39 -40	AN3-11A	Bolt - Aircraft 10-32			ALL	
-41	19-51005 19-51007	. Retainer - Fuel gage glass			ALL	
-42	88-51006	. Glass - Fuel gage			ALL	
-43	2W9	Washer - Fuel gage (NA)			ALL	
-44	19-51016	. Float Assembly - Fuel gage			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	
	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			ALL	
52	121-48424-1	. Tube Assembly - Aux fuel tank aileron cable tunnel LH			ALL	
-53 -54	130-48603 CCA1500	. Adapter - Fuel bomb bay tank draincock		. 1	ALL	
-)4	CONTOCO	. Drain Valve (CGA4900 may be substituted) (Curtis Automo		. 1	ALL	
					ULL	
	168-48401	. Tank Installation - Fuel drop (see figure 65A for detai	1			

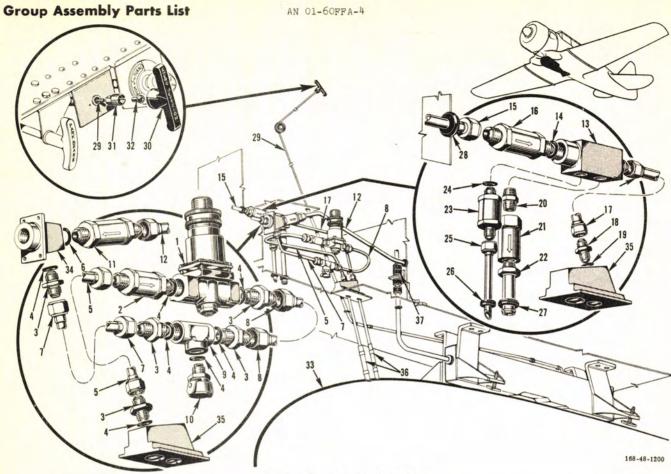


FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	USEABLE ON CODE
		POWER PLANT AND ENGINE SECTION (Cont) FUEL DROP TANK		
65A	168-48401	Tank Installation - Fuel drop (see fig. 65 for next assy)	NP	Z
-1	AV1B-1176	. Valve Assembly (General Control Co.)	1	Z
-2	10-1744-75	. Valve Assembly - No. 6 check valve on center swing type		
		527-6D (PA)	1	Z
-3	AN815-6D	. Union - Flared tube	1	Z
-4	934-9	. Packing - "0" Ring gasoline or kerosene resistant	7	Z
-5	168-48803-41	. Line Assy - Pullaway fitting to solenoid valve	1	Z
-6	934-17	. Packing - "O" Ring gasoline or kerosene resistant	1	Z
-7	168-48803-39	. Line Assembly - Drain fitting to bulkhead fitting	1 .	Z
-8	168-48803-37	. Line Assembly - Solenoid valve to drain fitting	1	Z
	AN926-6D	. Line Assembly - Solenblu valve to drain litting	. 1	
-9		. Tee - Internal screw thread	1	Z
-10	83501-2	. Drain Valve - 7/16 Straight thread (KOE)	1	Z
-11	12-244-78	. Valve Assembly - No. 10 check valve on center swing type		
		527-10D type (PA)	1	Z
-12	168-48803-35	. Fuel Line Assy - Oil seperator to check valve	1	Z
-13	168-48073	. Fitting - Fuel drop tank air pressure	1	
-14	900-14	. Packing - "O" Ring gasoline or kerosene resistant	1	7.
-15	168-48803-33	. Line Assembly - Oil seperator to check valve	i	7.
-16	869A1OTT	. Valve - Check (Circle Seal Mfg. Co.)	ī	Z Z Z Z
-17	168-48803-31	. Line Assy - Check valve to pullaway fitting	1	Z
-18	AN815-6D	Union Planed tube	1	Z
-19	934-11	. Union - Flared tube	1	2
		. Packing - "O" Ring gasoline or kerosene resistant	1	Z
-20	AN911-4D	. Nipple - Pile thread	1	Z
-21	7-2847-78	. Valve - check ball type special 404GG 1-2D (PA)	1	Z
-22	AN840-10	. Adapter - Hose to pipe thread	1	Z
-23	10-1744-75	. Valve - No. 6 check on center swing type (PA)	1	Z
-24	900-9	. Packing - "O" Ring gasoline or kerosene resistant	1	Z
-25	168-48074	. Tube Assembly - Fuel drop tank vent	1	Z
-26	AN931-6-10	. Grommet - Elastic	1	Z Z
-27	AN931-10-14	. Grommet - Elastic	1	Z
-28	AN931-8-13	. Grommet - Elastic	1	Z
-29	168-48067	. Cable Assembly - Fuel drop tank emergency release	1	Z
-30	170-68730		1	
		. Handle Assembly - Emergency jettison	1	Z
-31	170-68732-3	. Retainer - Emergency jettison cable	1	Z
-32	AN664C2	. Terminal - Single shank ball and cable for swaging	1	Z
-33	No Number	Tank Assy - Fuel system drop (see figure 720)	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	
	3H2-6-15	Hose (air) (NA) (see figure 72C)	Ref	
-37	3106-10SL4P	Plug - Electrical connector to cable	Ref	

Section\_\_\_\_\_
Group Assembly Parts List

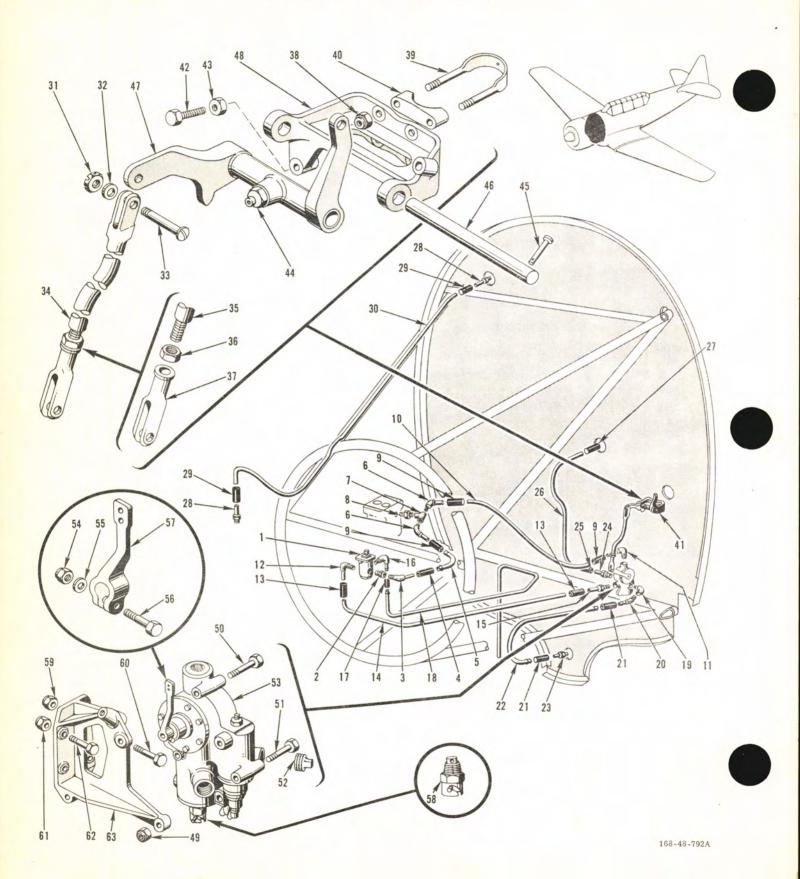
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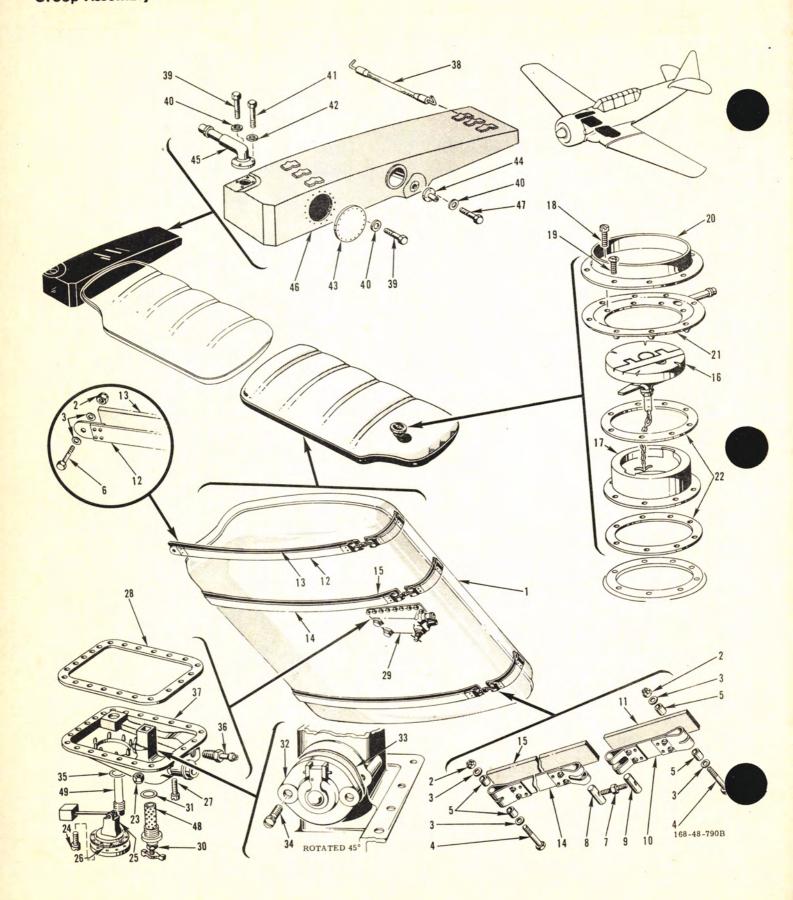
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POWER PLANT AND ENGINE SECTION (Cont)



#### AN 01-60FFA-4

FIGURE &	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 (GFP) for a list of		
	No Number	detail parts refer to:	. 1	ALL
	9095 9132 9140	AN 03-10ED-1 (CH) AN 03-10ED-1 (CH)		
-2	AN912-7	Bushing - Reducer	. 1	ALL
	AN844-10	Elbow - Pipe thread and hose 45°	. 1	ALL
-3 -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	Time Combination to final unit	1	ALL
-11	AN842-10	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	Adapter - Hose to pipe thread	. 1	ALL
-17	3H2-4-8	Hose (NA)	. 1	ALL
-18	121-48407-25	Line - Fuel nump drain	. 1	ALL
-19	AN914-4	Fibor - Internal and external nine thread 90°	. 1	ALL
-20	AN844-10	Elbow - Pipe thread and hose 45°	. 1	ALL
-21	3H2-10-11	. Hose (NA)	. 2	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)		ALL
-26	121-48407-29	Line - Fuel tee to firewall primer	i	ALL
	3H2-4-8	. Hose (NA)	1	ALL
-27 -28	AN840-4	. Adapter - Hose to pipe thread	2	ALL
	3H2-4-10	. Hose (NA)		ALL
-29		Line - Firewall to engine fuel outlet distributor		ALL
-30	121-48407-27	. Nut - Castle shear	2	ALL
-31	AN320-4		. 2	ALL
-32	AN960-416			ALL
-33	AN24-13	Bolt - Clevis 1/4-28		ALL
-34	88-48055	Rod Assembly - Hand fuel pump control	. 1	ALL
-35	AN486-1	Clevis - Rod end adjusting		ALL
-36	AN316-4R	Nut - Check	. 1	ALL
-37	88-48055-2	Rod - Hand fuel pump control rod assembly	. 1	ALL
-38	AN 365-428	Nut - Self locking 250°F	. 4	ALL
-39 -40	5B7	. Bolt - U (NA)	. 2	ALL
	501	. Clamp (NA)		ALL
-41	36-48044	Bellcrank Assembly - Hand fuel pump control	. 1	ALL
-42	5B2-13	Bolt - Adjustment 1/4-20 (NA)	. 2	ALL
-43	AN315-4R	Nut - Plain airframe		ALL
-44	AN386-1	Nipple - Hose fuel and oil	. 2	ALL
-45	AN 392 - 35	Pin - Flat head 1/8	. 1	ALL
-46	36-48054	. Shaft - Hand fuel pump bellcrank		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	: 1	ALL
-51	AN4-37A	. Bolt - Aircraft 1/4-28		ALL
-52	AN913-4	. Plug - Square head pipe thread		ALL
-53	168-48031	Pump Assembly - Fuel system type D-3 modification	. 1	
-54	AN365-1032	. Nut - Self locking 250°F	1	ALL
-55	AN960D10	Washer - Plain		ALL
-56	AN3-10A	. Bolt - Aircraft 10-32		ALL
-57	88-48003-3		. 1	MLL
-58	CCA1500	. Draincock Assembly (CCA4900 may be substituted)		
		(Curtis Automotive Devices Inc.)		ALL
	No Number	Pump Assembly - Fuel system type D-3 (for a list of detail		
		parts refer to T.O. AN 03-10EP4) (UA)		ALL
-59	AN365-1032	. Nut - Self locking 250°F	. 3	ALL
-60	AN3-6A	. Bolt - Aircraft 10-32	. 3	ALL
-61	AN 365 - 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



MIAMI 48, FLA.

Section\_II

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FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	PER ASSY.	APPLICATION
		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
-1	168-48002-2 ATTACHIN	. Tank Assembly - Metal fuel complete RH (modification)	1	ALL
-2	AN310-5	Nut - Castellated airframe	12	ALL
	AN960-516	. Washer - Plain	24	ALL
-3 -4	AN5-21	. Washer - Plain	10	ALL
-5 -6	19-48059	Spacer - Fuel tank support bracket	20	ALL
-6	AN5-11	Polt = Aircraft 5/16=24	2	ALL
-7 -8	15-48020-2	. Turnbuckle - Tank strap	6	ALL
	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)	0	ALL
-12	36-48017	. Strap Assembly - Fuel tank front outboard	2	ALL
-13	3P1-8-14-84	Stran Assembly - Fuel tank	4	ALL
-14	36-48018-2	. Strap Assembly - Fuel tank		ALL
-15	3P1-8-14-120			
	88-48083	Cap Assembly - Tank filler	1	ALL
-16	39B5435	Cap Assembly - Fuel tank	1	ALL
-17	39B5294	Adapter Assembly - Fuel tank filler cap		ALL
-18	AN501A10-8	Screw - Fillister head fine thread	0	ALL
	88-48011	Ring Assembly - Fuel tank filler overflow basin	8	ALL
-19	754-10-10	Screw - Salvage button head (NA)	1	ALL
-20	88-48030	Ring - Fuel tank filler overflow basin upper Ring Assembly - Fuel tank filler overflow basin lower .	i	ALL
-21	88-48029	Gasket - Fuel tank filler flange (supersedes 88-48027)	2	ALL
-22	88-48027-3 AN365-428	. Nut - Self locking 250°F	16	ALL
-23 -24	AN501A10-10	Comow Filligter 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
-32 -33 -34	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
-35 -36	AN840-10D	Adapter - Hose to pipe thread	1	ALL
-37	168-48005	Sump - Auxiliary fuel system		ALL
	168-48007-1	. Cell Assembly - Auxiliary fuel system complete LH	1	ALL
	168-48007-2 ATTACHIN	. Cell Assembly - Auxiliary fuel system complete RH	1	ALL
-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		ALL
-40	AN960-416L	Washer - Plain	22	ALL
-41	AN4H15A	. Bolt - Aircraft 1/4-28	2	ALL
-42	AN960-416L	Washer - Plain	1	ALL
-43 -44	121-48409	Door - Auxiliary fuel tank access	1	ALL
-44 -45	168-48008 168-48006	. Fitting - Auxiliary fuel tank interconnector	i	ALL
-45	168-48004-1	Cell Assembly - Auxiliary fuel system LH	1	ALL
-40	168-48004-2	. Cell Assembly - Auxiliary fuel system RH		ALL
-47	AN74-4	Bolt - Aircraft drilled head 1/4	4	ALL
	AN4043-2	Cartridge Assy - Corrosion inhibitor drain (less draincock)	Ref	
-48				

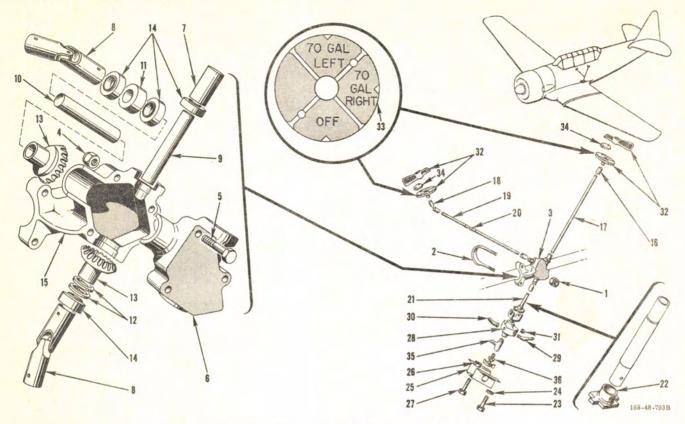


FIGURE	68	-	FUEL	COCK	CONTROL	AND	ATTACHING	PARTS			
										UNITS	APPLICATIO

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)		ALL
	77-48023	. Control Installation - Fuel cock	NP	ALL
-1	AN365-428	Nut - Self locking	4	ALL
-2	5B6-20	Bolt - U (NA)	2	ALL
-3	36-48016	Box Assembly - Fuel cock control gear	1	ALL
-4	AN365-1032	Nut - Self locking		ALL
-5 -6	AN3-21A	Bolt - Aircraft 10-32	3	ALL
-6	19-48015-3	Housing - Fuel cock control gear upper	1	ALL
-7	701	Connector - Shaft (NA)	1	ALL
-8	34-48100	Joint - Fuel cock control universal	2	ALL
-9	19-48033-3	Shaft - Fuel cock control gear	1	ALL
-10	19-48033-2	Shaft - Fuel cock control gear	1	ALL
-11	19-48032	Spacer - Fuel cock gear housing bearing	1	ALL
-12	19-48042	Shim - Fuel cock control gear	AR	ALL
-13	19-48014	Gear - Fuel cock control	7	ALL
-14	AN201K6A	Bearing - Intermediate duty ball	11	ALL
-15	19-48015-2	Housing - Fuel cock control gear lower	3	ALL
-16	701		1	ALL
		Connector - Shaft (NA)	1	ALL
-17	19-48039-2	Rod - Fuel cock control	1	
-18	34-48100	Joint - Fuel cock control universal	1	ALL
-19	168-48013	Rod Assembly - Fuel selector valve front cockpit	1	ALL
-20	AN270B8	Joint - Universal light duty	1	ALL
-21	77-48047	Rod Assembly - Fuel cock gear box connecting	1	ALL
-22	066650	Driver - Fuel cock control yoke	1	ALL
-23	AN3-4A	Bolt - Aircraft 10-32	4	ALL
-24	AN960-10	Washer - Plain	4	ALL
-25	19-48038	Bracket - Fuel cock retaining	1	ALL
-26	AN365-1032	Nut - Self locking	3	ALL
-27	AN3-4A	Bolt - Aircraft 10-32	3	ALL
-28	AN4004-3	Cock Assembly - Fuel type G	ī	ALL
-29	AN844-10	Cock Assembly - Fuel type G	1	ALL
-30	811CT10	Fitting - Solderless	1	ALL
-31	AN913-45	. Plug - Square head pipe thread	1	ALL
-32	43B22466	. Dial and Handle Assy - Fuel cock control plain bearing	-	
-32	+3D22+00	blank (for special marking) (does not include		
		168-48032 dial)	2	ALL
-33	168-48032	Dial - Auxiliary fuel system tank selector	2	ALL
	168-48033		2	ALL
-34		. Stop - Auxiliary fuel system tank selector	~	ALL
-35	88-00110	. Fitting - Fuel selector valve outlet (design detail)	1	ATT
25		(4-8-10MRT PA is a suitable substitute)	1	ALL
-36	AN771-2	. Cock - Screw type drain	1	ALL

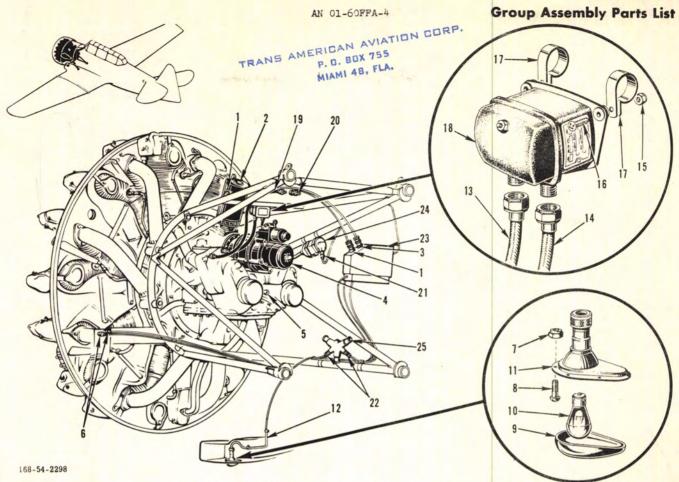


FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION
		POWER PLANT AND ENGINE SECTION (Cont)		
		POWER PLANT ELECTRICAL EQUIPMENT		
69	168-54040	Electrical Equipment Installation - Power plant (see figure 37		
09	100-51010	for next assembly)	. NP	ALL
-1	AN3106-22-12S	. Plug - Electrical connector straight type PA (generator)	. 2	ALL
-1	AN3057-12	. Adapter - Electrical accessory to cable		ALL
-2	No Number	Generator - Type M-3 (Spec. 95-32361) (GFP).	. 1	ALL
-3	2083-25	Plug - Electrical connector straight (starter) (CED)	. 1	ALL
- 5	AN3057-16	. Adapter - Electrical accessory to cable	1	ALL
-4	No Number	. Starter - Type G-5 (Spec. 95-32303) (GFP)	1	ALL
-5	AN3106-14S1S	Plug - Electrical connector straight type PA (carburetor		11.00
-5	WW2100-14919	mixture temperature bulb)	1	ALL
	AN3057 10	. Adapter - Electrical accessory to cable	· 1	ALL
-6	AN3057-10 AN3106-12S3S	Plug - Electrical connector straight type PA (free air		ADL
-0	AN3100-12535	temperature bulbs)	. 2	ALL
	ANDOEZ II	. Adapter - Electrical accessory to cable		ALL
-	AN3057-4	. Adapter - Electrical accessory to cable	. 6	ALL
-7	AN365-632	. Nut - Self locking	. 6	ALL
-8	AN515-6R8			ALL
-9	AN3099-1	. Cover - Bottom fuselage lights		ALL
-10	AN3133-311	. Lamp - S-11 bulb single contact candelabra bayonet base		ALL
-11	AN3097-3	. Light Assembly - Upward recognition	. 1	ALL
-12	168-54140-3	. Conduit - Electrical wire protective	. 1	
-13	NAA1150-48856	. Conduit Assembly - Flexible (MARI)		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		ALL
-18	VJR24B5X	. Coil Induction Vibrator (70G7G3 may be substituted)(GE)(GFP)		ALL
-19	NAA1150S6XT118	. Conduit Assembly - Flexible (MARI)		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	AN3106-12838	. 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	
	no number	and the state of t		

FIGURE - 69 POWER PLANT ELECTRICAL EQUIPMENT

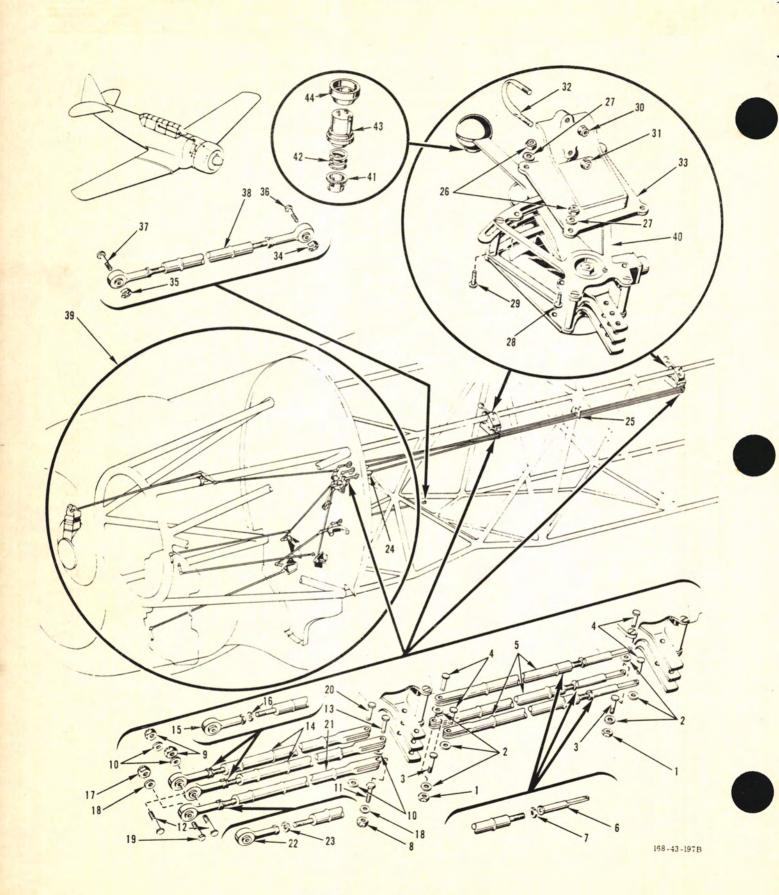


FIGURE 70 - ENGINE CONTROLS

MIAMI 48, FLA.

#### Section\_II\_

AN 01-60FFA-4

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION
		POWER PLANT AND ENGINE SECTION (Cont) ENGINE CONTROLS		
70	168-43031	Engine Controls Installation - (Modification) (see figure 15		
10	100 15051	for next assembly)	. NP	ALL
-1	AN320-3	. Nut - Castle shear		ALL
-2	AN960-10	. Washer - Plain		ALL
		Bolt - Clevis 10-32		ALL
-3 -4	AN23-10	Both Blot book 2/16	. 4	ALL
	AN393-13	Pin - Flat head 3/16		ALL
-5	168-43803	. Rod Assembly - Engine control (modilication) (this part	. 3	ALL
	- 50 1	supersedes 168-43003)	. 3	
-6	168-43007	Rod End - Engine control	. 2	ALL
-7	AN316-4R	Nut - Check	. 2	ALL
-8	AN310-3	. 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	AN23-10	. Bolt - Clevis 10-32		ALL
		Pin - Flat head 3/16		ALL
-13	AN393-13	. Pin - Flat head 3/10		KLL
-14	168-43802	. Rod Assembly - Engine throttle and mixture quadrant to	•	
		firewall control (mod) This part supersedes 168-43002)		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	_	ALL
				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
				ALL
-27	AN960-416	. Washer - Plain (front cockpit only)		
-28	NAS221-8	. Screw - Brazier head Phillips recess alloy steel 10-32		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
-33 -34	AN310-3	. Nut - Castellated airframe	. ī	ALL
-34		. Nut - Castle shear	: î	ALL
-35	AN320-3			
-36	AN3-10	. Bolt - Aircraft 10-32		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	-	
-40	100-4300)	from AS part No. 941123)	. 1	A1-A8
	160 112005 10			A1-A0
	168-43005-10	. Control Assy - Front cockpit engine (modification) (altered	,	106
	- 60 1	from AS part No. 941123)	. 1	A86-,
	168-43006	. Control Assy - Rear cockpit engine (modification) (altered		
		from AS part No. 941124)	. 1	A1-A8
	168-43006-10	. Control Assy - Rear cockpit engine (modification) (altered		
		from AS part No. 941124)	. 1	A86-,
	24490-1	Button - Inner knob engine control throttle lever (AS) .		A86-,
117				
-41			1	1 26
-42	168-43008	Spring - Compression		
			. 1	A86-,2 A86-,2

AN 01-60FFA-4

POWER PLANT AND ENGINE SECTION (Cont)

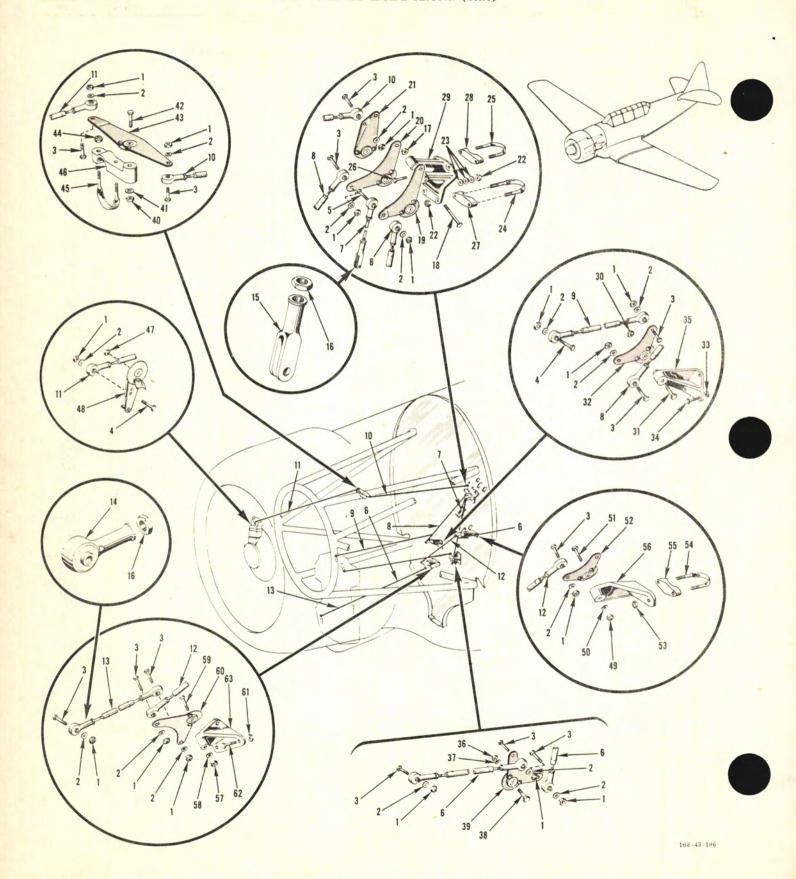


FIGURE - 71 FIREWALL FORWARD ENGINE CONTROLS

FIGURE &	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		
-1	AN310-3	assembly)	NP	ALL
-2	AN960-10	Nut - Castellated airframe	16	ALL
-3	AN3-10	. Washer - Plain	16	ALL
-4	AN3-11	Bolt - Aircraft 10-32	12	ALL
	AN3-14	Bolt - Aircraft 10-32	3	ALL
-5 -6	88-43802	Bolt - Aircraft 10-32	1	ALL
-7		. ROG ASSEMBLY - Engine throttle control	2	ALL
-7 -8	55-54177	. Rod Assembly - Throttle switch actuating	1	ALL
_	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	ī	ALL
-13	88-43805	Rod Assembly - Carburetor air firewall to mixing chamber control	1	ALL
-14	U2275	<ul> <li>End - Ball bearing rod (UA) (2 used with each of items</li> </ul>		
-15	AN486-3	6, 8, 9, 10, 11, 12, 13 above, 1 used with item 7)	2	ALL
-16	AN316-4R	· · Clevis - Rod end adjusting (use only with 55-54177)	1	ALL
-17	AN310-4R	Nut - Check	2	ALL
-18	AN4-41	Nut - Castellated airframe	1	ALL
-19	55-43013	Bolt - Aircraft 1/4-28	1	ALL
-20	36-43011	. Bellcrank Assembly - Engine throttle control upper	1	ALL
-21		. Bellcrank Assembly - Engine mixture control upper	1	ALL
	55-44011	. Bellcrank Assembly - Propeller control rear	1	ALL
-22	AN365-428	. Nut - Self locking	5	ALL
-23	AN960-416	. Washer - Plain	3	ALL
-24	5B7	Bolt - U	1	ALL
-25	77-43011	U-Bolt - Engine control bellcrank attaching	1	ALL
-26	AN4-5A	. Bolt - Aircraft 1/4-28	1	ALL
-27	501	. Clamp	1	ALL
-28	19-53506	Bracket - Shelf support	1	ALL
-29	28-43006	. Bracket - Throttle mixture and propeller bellgrank support	1	ALL
-30	AN310-4	. Nut - Castellated airframe	1	ALL
-31	AN4-20	. Bolt - Aircraft 1/4-28	1	ALL
-32	55-43012	<ul> <li>Bellcrank Assembly - Engine mixture control lower</li> </ul>	1	ALL
-33	AN365-1032	. Nut - Self locking	3	ALL
-34	AN3-5A	Bolt - Aircraft 10-32	3	ALL
-35	19-43008	Bracket - Bellcrank support	ĭ	ALL
-36	AN310-4	. Nut - Castellated airframe	1	ALL
-37	AN960-416	. Washer - Plain	ī	ALL
-38	AN4-16	. Bolt - Aircraft 1/4-28	ī	ALL
-39	28-43014	. Bellcrank Assembly - Engine throttle control lower	ī	ALL
-40	AN310-4	. Nut - Castellated airframe	î	ALL
-41	AN960-416	· Washer - Plain	ī	ALL
-42	AN4-20	. Bolt - Aircraft 1/4-28	î	ALL
-43	55-44008	Bellcrank Assembly - Propeller control center	ī	ALL
-44	AN365-428	. Nut - Self locking	2	ALL
-45	5B6-20	. Bolt - "U"	ī	ALL
-46	36-44007	. Bracket - Propeller control front bellcrank support	ī	ALL
-47	AN310-3	. Nut - Castellated airframe	î	ALL
-48	77-44026	. Bellcrank Assembly - Propeller control front	ī	ALL
-49	AN310-4	. Nut - Castellated airframe	î	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	i	ALL
-53	AN365-428	. Nut - Self locking	2	
-52 -53 -54	5B7	Bolt - "U"	1	ALL
-55 -56 -57 -58	5ci	. Clamp	1	ALL
-56	36-43017	Bracket - Carburetor air control upper hellcrank	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
-59 -60	77-43030	. Belicrank Assembly - Carburetor air control lower	1	ALL
-61	AN365-428	. Nut - Self locking	3	ALL
-62	AN4-6A	Nut - Self locking	3	ALL
-63	28-43015	Bracket - Carburetor air control lower bellcrank battery	3	KIII
		support support	1	ATT

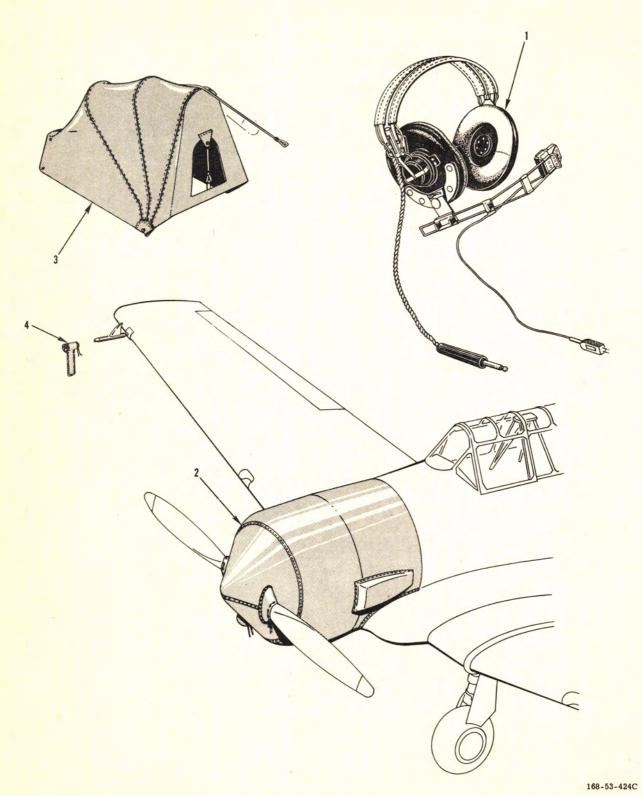
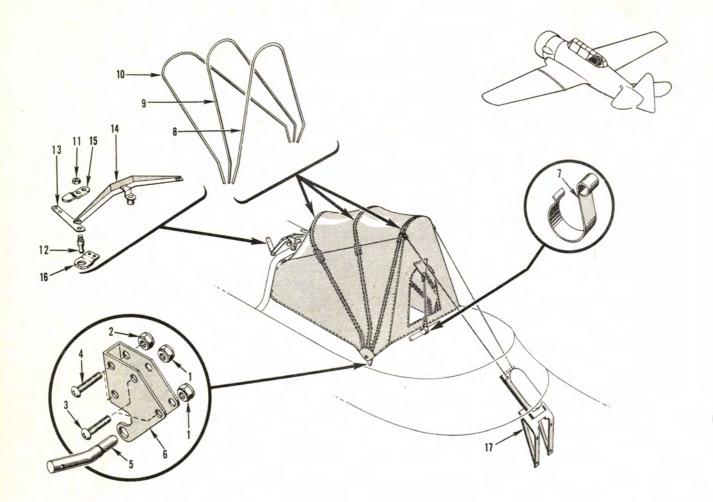


FIGURE & DEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE PER A:	
		LOOSE EQUIPMENT LOOSE EQUIPMENT AND GENERAL DATA	
72	168-53075	Data Installation - Loose equipment and general	
_		(see figure 1 for next assembly)	P A
	168-53175	(see figure 1 for next assembly)	P Z
	182-53075	Data Installation - Loose equipment and general (see figure 1 for next assembly)	P K,V
	197-53075	Data Installation - Loose equipment and general (see figure 1 for next assembly)	P W-
	No Number	. Armament and Droppable Fuel Tank Equipment	P Z
-1	168-71007		2 A
-1	HS33	· monday of the first property of the first	1 A
	TC198A	Microphone Unit (TEL)	1 A
	H46A/UR	. Headset and Microphone	2 K
-2	77-73003		1 ALL
-	16-40RC193-3		1 A
	16-40SCR522-2	. Handbook of Operating Instructions Radio Set SCR522 and	1 A, K,
	16-30ARN7-2		1 A
	16-30ARN12-6	. Handbook of Operating Instructions Radio Set AN/ARN6 (GFP) .	1 K-Z
	16-30ARC3-2		1 K-Z
	16-30ARN12-2	· Handbook of obergaring mineracona manage and my many	1 K
	AN16-1-66	. Handbook of Operating Instructions for USAF Combat	1 Z
	01-60F6		1 ALL
	01-60FFA2		1 A
	16-40RC210-2	. Handbook of Maintenance Instructions for Filter Equipment	1 F6-J5
	No Number		1 ALL
	No Number	. Invoice Envelope - Form AF 15A (GFP)	1 ALL
			1 AK, U
	Ol-60FFA1	. Handbook of Operating Instructions (GFP)	1 Z
	01-60FFD1		1 ALL
	No Number	. Hoboron andre in account force) .	1 ALL
	No Number		1 ALL
	No Number		1 ALL
	No Number	. Hood a formitout the attention and the first the first	1 ALL
	No Number	. Hoodid looming the contract of the contract	1 A
	No Number	. Mooded Marinoonanoo and amprovement and the first terms of the first	I A
	No Number	. Book - Standard instrument approach procedure (Vol. I east U.S.) (Vol. I east U.S. and Vol. II west	1 ATT
	No. Nombre		1 ALL
	No Number	. Book - Standard instrument approach procedure (Vol. II west U.S.) (Vol. I east U.S. and Vol. II	7 ATT
	00 15 0	"" " " " " " " " " " " " " " " " " " "	1 ALL 1 ALL
	08-15-2 08-15-1		1 ALL
	No Number	Inspector's and Pilot Final Acceptance - Report AF form 262	- NUL
		(GFP)	1 ALL
	No Number	. Report - Aircraft checker's AF form 2630 (GFP)	1 ALL
	ANO1-1B40	. Check List and Loading Data Basic Weight	1 K,U
	168-54002		1 A1-D3
	168-54004 182-54002		1 Z
		. Wiring Diagram - Electrical equipment	1 K, V
	197-54002	. Wiring Diagram - Electrical	1 W-
	197-71127		1 W-
	168-54003		1 D31-J
-3	168-73001 *1	future procurement. 168-73002 not OK for replacement	
		on any airplanes and is to be scrapped when replacement	
	160 71000		1 A1-A8
	168-71002		1 A1-A8
	168-71003		1 A86-J
	168-71004		1 Z
	182_71002	Wining Diagnam - Padia aquinment	1 V-
	182-71002 182-71003		1 K- 1 W-

<sup>\*1</sup> Rework in accordance with T. O. 1T-6G-53.



168-73-728B

FIGURE	72A	_	INSTRUMENT	FLYING	HOOD	COMPLETE
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FIGURE &	PART	1	2	3	4	5	6	7	NOMENCLATURE		UNITS PER ASSY.	APPLICATION CODE
THE HOME									LOOSE EQUIPMENT (Cont) RUMENT FLYING HOOD COMPLETE			
72A -1 -2 -3 -4 -5 -6 -7 -8 -9 -10 -11 -12 -13 -14 -15 -16 -17	168-73001 AN365-632 AN365-832 AN507-6R12 AN515-6R12 AN515-8R12 59-73037-3 168-73009-3 168-73008 168-73008 168-73010 168-73018 AN365-428 168-73018 AN365-428 168-73017 168-73017 168-73014 168-73015-1 168-73015-2 168-73004	*1 .	H	Number of the control	Ass; tt - rew rew m - vot vot vok w - se tt - ud rin lea cop Ass	y - Sel Sel - M - M Ins - I - Ins Ins Inst Inst Inst Sel - In g - In - In - In y -	Inst f lost f lost achii achii trum nstr nstr trum trum alla f lost sstr Inst ssen sstr Inst Inst Inst Inst Instr	rumen cking cking cking ching ne fl ne ro ne ro nent f cument ument tent f nent f nent f nent f tent f tent f trumen	omplete t flying (see fig. 72 for next a 250°F 250°F at head 100° (use on RH side) und head coarse thread (use on L und head coarse thread (LH and R lying hood pivot flying hood reft side flying hood rear holddown lying hood rear lying hood rear lying hood front - Instrument flying hood 250°F. flying hood attaching t flying hood attaching assy LH flying hood attaching assy LH flying hood t flying hood attaching assy LH flying hood t flying hood retracting reel	H side)		ALL

# TRANS AMERICAN AVIATION CORP. P. O. BOX 755 AN ON+60FF48+FLA.

# Section\_\_\_\_\_\_ Group Assembly Parts List

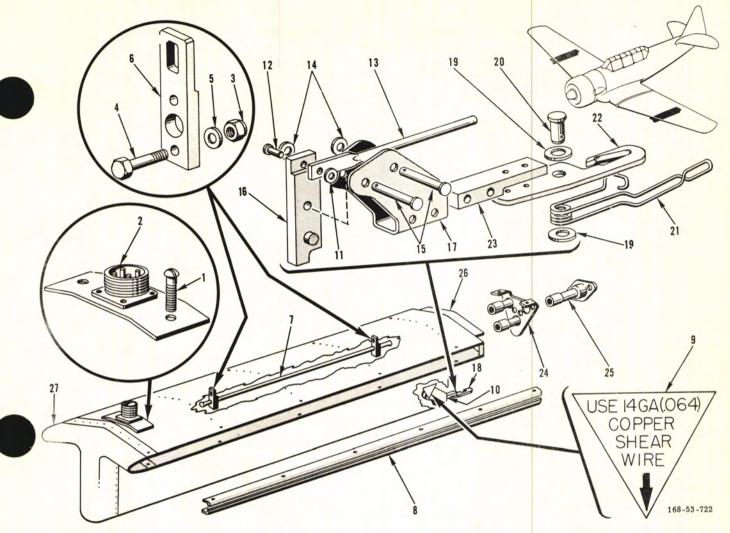


FIGURE	72B	_	ROCKET	T.AUNCHER	ASSEMBLY
FIGURE	12D	_	ROCKET	LAUNCHER	HOSEMBLY

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION
		LOOSE EQUIPMENT (Cont) ROCKET LAUNCHER ASSEMBLY		
72B	159-68002	Rocket Launcher Assembly (see figure 720 for next assembly)	Ref	Z
-1	AN515-6-8	. Screw - Machine round head coarse thread	2	Z
	159-68014	. Cover Assembly - Rocket launcher	1	7.
-2	AN3102-14S2P	Receptacle - Electrical connector box mounting	1	7.
-3	AN365-428	. Nut - Self locking 250°F	4	Z
-3 -4	AN4-10A	. Bolt - Aircraft 1/4-28	4	7.
-5 -6	AN960D416	. Washer - Plain		7.
-6	159-68020	Lug - Rocket launcher		Z
-7 -8	159-68002-9	. Tube - Rocket launcher		Z
	159-68013	. Rail Assembly - Rocket launcher		7.
-9	159-68021	. Decal - Rocket launcher latch	i	Z
-10	159-68010	. Latch Assembly - Rocket launcher		7.
-11	AN960D6L	Washer - Plain		7.
-12	AN392-9	Pin - Flat head 1/8	1	7.
-13	159-68010-5	Handle - Rocket launcher	1	Z
-14	AN960D10L	Washer - Plain	2	7.
-15	AN392-27	Pin - Flat head 1/8	2	7.
-16	159-68011	Arm Assembly - Rocket launcher	1	Z
-17	159-68010-3	Bracket - Rocket launcher	1	Z
-18	159-68015	. Knife Assembly - Rocket launcher igniter cable	3	Z
-19	AN960-516L	Washer - Plain		7.
-20	AN395-11	Pin - Flat head 5/16	1	Z
-21	159-68017	Spring - Rocket launcher igniter cable retaining	1	7.
-22	159-68016	Knife - Rocket launcher igniter cable	1	7.
-23	159-68018	Support - Rocket launcher igniter cable knife	1	Z
-24	159-68024	. Plate Assembly - Rocket launcher receptacle	1	Z
-25	Q237	Plug and Jack Assembly (GFP)	3	Z
-26	159-68006	. Fairing Assembly - Rocket launcher aft	ĭ	Z
-27	159-68005	. Fairing Assembly - Rocket launcher forward	1	Z

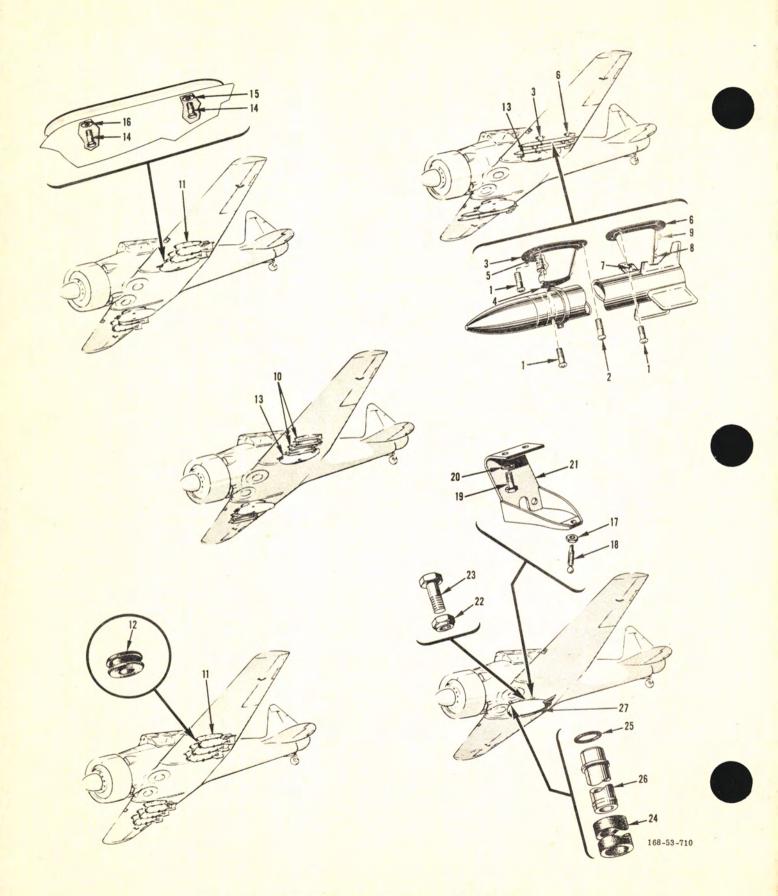


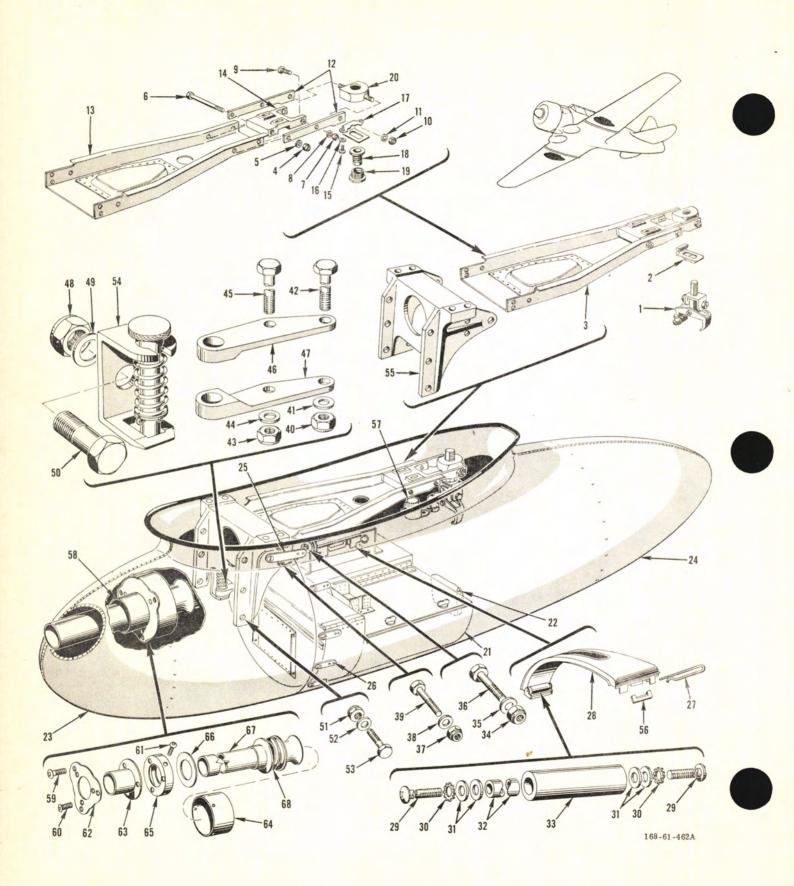
FIGURE 72C - ARMAMENT AND DROPPABLE FUEL TANK EQUIPMENT

P. O. BOX 755

AN 01-60FFA-4 MIAMI 48, FLA.

# Section II Group Assembly Parts List

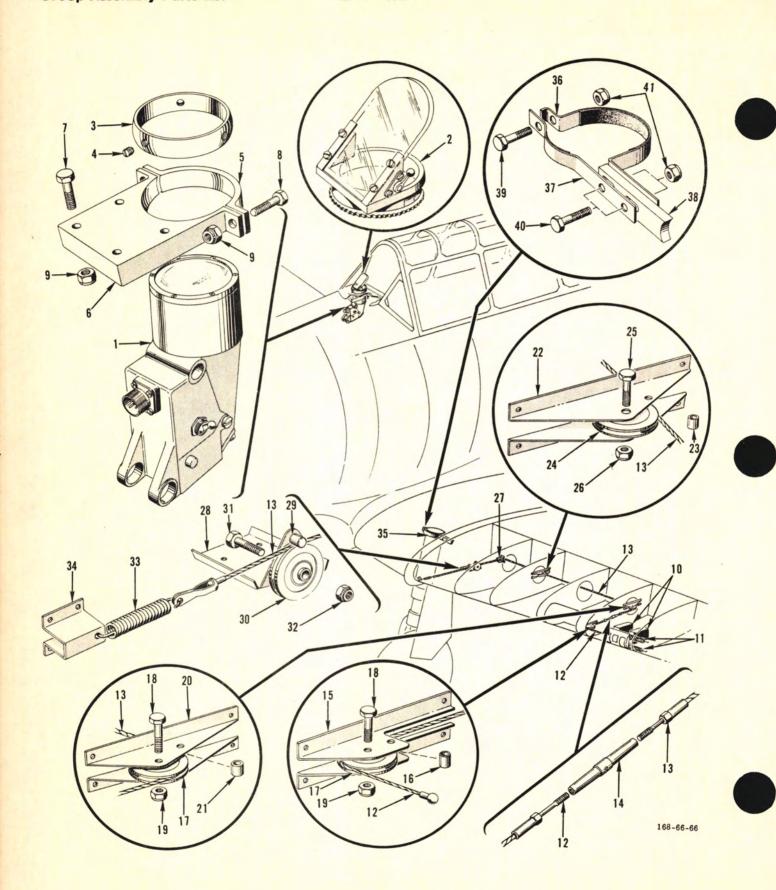
FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	USEABLE ON CODE
		LOOSE EQUIPMENT (Cont)		
		ARMAMENT AND DROPPABLE FUEL TANK EQUIPMENT		
72C	No Number	Armament and Droppable Fuel Tank Equipment (see figure 72		
		for next assembly)		Z
-1	NAS222-12	. Screw - Brazier head Phillips recess alloy steel 1/4-28	. 24	Z ·
	NAS222-25	. Screw - Brazier head Phillips recess alloy steel 1/4-28		
		(station 31.991 LH)	. 2	Z
-2	NAS222-12	. Screw - Brazier head Phillips recess alloy steel 1/4-28		
		(station 47.070)	. 2	Z
	NAS222-14	. Screw - Brazier head Phillips recess alloy steel 1/4-28		
		(station 31.991)	. 2	Z
-3	121-68402	. Mount Assembly - Rocket front	. 4	Z
-4	120-61407	Shoe Assembly - Rocket rack front		Z
-5	AN3054-3	Nut - Conduit coupling	. 1	Z
	109-61424-3	. Support Assy - Rocket front mount	. 1	Z
-6	121-68403	. Mount Assembly - Rocket rear	. 4	Z
-7	45B4656	. Latch - Type Cl		Z
-8	109-61436	Support Assembly - Rocket rear mount receptacle		Z
-9	121-54413	Receptacle Assembly - Rocket rear mount electrical		Z
	109-61423-3	Support Assy - Rocket rear mount		Z
-10	159-68002	. Launcher Assy - Rocket (see fig. 72B for detail breakdown)		Z
-11	168-63012	. Rack Assy - Bomb complete (see fig. 72F for detail breakdown)	•	Z
-12	AN931-10S14	Grommet - Elastic (station 32.900)		Z
-12	AN931-8S13	Grownet - Elastic (station 32,300)	. 2	Z
-13	121-61402-3	Grommet - Elastic (station 17.339)		Z
-13	ATTACHIN	. Package Assy - 30 caliber gun (see fig. 73D for breakdown)	. 2	Z
-14	AN5-12A	Bolt - Aircraft 5/16-24)	. 8	Z
-15	2W1AL20-22-64	. Washer - Plain (NA)	•	Z
-16	AN960D516	. Washer - Plain	. 4	Z
-17	AN316-5L	. Nut - Check	. 4	Z
-18	168-48065	Screw Assy - Fuel drop tank sway brace adjustment		Z
-19	AN4-13A	Bolt - Aircraft 1/4-28		Z
-30	AN960D416	. Washer - Plain		Z
-21	168-48061-1	Brace Assembly - Fuel drop tank aft sway LH		Z
-21	168-48061-2			
	168-48060-1	Brace Assembly - Fuel drop tank aft sway RH	. 1	Z
	168-48060-2	. Brace Assembly - Fuel drop tank forward sway LH		Z
		. Brace Assembly - Fuel drop tank forward RH	. 1	Z
00	45G25670	. Rack Assembly - Type S2 (GFP)	. 1	Z
-22	AN365-1032	. Nut - Self locking 250° F (for release mechanism)	. 1	Z
-23	AN3-6A	. Bolt - Aircraft 10-32 (for release mechanism)	. 1	Z
-24	3H2-10-15	. Hose - (fuel)		Z
	3H2-6-15	. Hose - (air)	. 1	Z
-25	934-12	. Packing - "0" ring gasoline or kerosene resistant (fuel) .	. 1	Z
	934-9	. Packing - "0" ring gasoline or kerosene resistant (air)	. 1	Z
-26	168-48075	Line - Fuel drop tank (fuel)	. 1	Z
	168-48076	. Line - Fuel drop tank (air)	. 1	Z
-27	No Number	. Tank Assy - Fuel system drop (NAA Part No. 168-948016)	. 1	Z



Section\_II

AN 01-60FFA-MIAMI 48, FLA.

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
		LOOSE EQUIPMENT (Cont) 30 CALIBER GUN PACKAGE ASSEMBLY		
72D	121-61402-3		7.0	
-1	68-500	Package Assy - 30 Caliber gun (see fig. 72C for next assy) Post Assy (TIB) (121-61425)		Z
-2	134-61014	Detent - 30 Caliber nose guns rear mount adjusting screw		Z. Z
-3	121-61420	. Mount Assy - 30 Caliber gun rear complete		Z
-4	AN365-428	. Nut - Self locking 250°F		Z
-5	AN960-416	Washer - Plain		Z
-6	AN4-33A	Bolt - Aircraft 1/4-28		Z
-7 -8	AN320-4	Nut - Castle shear		Z
	AN960-416	Washer - Plain	2	Z
-9	AN24-13	Bolt - Clevis 1/4-28	2	Z
-10	AN320-6	Nut - Castle shear	2	Z
-11 -12	AN960-616	Washer - Plain	2	Z
-12	121-61413 121-61418	Plate - 30 Caliber gun rear mount pivot		Z
-13	121-61421	Channel - 30 Caliber gun mount		Z
-15	AN501A10-6	Mount - 30 Caliber gun rear		Z
-16	AN960-10	Washer - Plain		Z
-17	134-61018	Lock - 30 Caliber rear mount adjustment		Z
-18	134-61015	Screw - 6 Fixed 30 Caliber nose guns rear mount adjustmen		Z
-19	134-61013	Nut - 30 Caliber rear mount adjustment		Z
-20	121-61414	Pivot - 30 Caliber gun rear mount		Z
-21	168-61016	Box Assembly - 30 Caliber ammunition, case and link		Z
-22	140-61092	Bag Assy - 30 Caliber ammunition	ī	Z
	120-615562	Cable Assy - 30 Caliber gun charger (in bag)	ī	Z
	121-61405-61	. Fairing Assembly - 30 Caliber gun		Z
-23	121-61405-5	Fairing Assembly - 30 Caliber gun forward		Z
-24	121-61405-3	Fairing Assembly - 30 Caliber gun aft	1	Z
-25	121-61434	Fastener Assy - 30 Caliber gun fairing upper	2	Z
-26	121-61433	Fastener Assy - 30 Caliber gun fairing		Z
-27	121-61432	. Pin - 30 Cal. gun feed chute attaching	2	Z
-28	121-61430	. Chute Assembly - 30 Caliberffeed	1	Z
-29	781-1032-8	Screw - Button head		Z
-30	4010-18	Washer (SH)		Z
-31	AN960-10	Washer - Plain		Z
-32	485-3	Spacer - Threaded		Z
-33 -34	121-61412	Roller Assembly - 30 Caliber ammunition	1	Z
-34	AN365-524	. Nut - Self locking 250°F		Z
-35	AN960D516	. Washer - Plain	2	7.
-36	AN5-7A AN365-428	Bolt - Aircraft 5/16-24	2	Z
-37 -38	AN960D416	Nut - Self locking 250°F	14	7
-39	AN4-7A	Bolt - Aircraft 1/4-28		7.
-40	AN365-524	. Nut - Self locking 250°F	1	7.
-41	AN960D516	. Washer - Plain		Z
-42	AN5-21A	Bolt - Aircraft 5/16-24	i	Z
-43	AN365-624	Bolt - Aircraft 5/16-24	i	Z
-44	AN960D616	. Washer - Plain	i	Z
-45	AN6-22A	. Bolt - Aircraft 3/8-24	1	Z
-46	121-61416-1	. Adapter - 30 Caliber gun mount T.H	2	Z
-47	121-61416-2	. Adapter - 30 Caliber gun mount RH	2	Z
-48	AN310-12	. Nut - Castellated airframe	1	Z
-49	AN960-1216	. Washer - Plain	1	Z
-50	AN12-17	. Bolt - Aircraft 3/4-16	1	7.
-51	AN365-428	. Nut - Self locking 250°F	6	Z
-52	AN960D416	. Washer - Plain		Z
-53	AN4-7A	. Bolt - Aircraft 1/4-28	6	7.
-54	44B11182	. Mount Assy - Gun trunnion type AlA (GFP)	1	Z
-55	121-61415	. Mount - Caliber gun front	1	7.
-56 -57	48C4021	. Adapter - 30 Caliber feed chute	1	Z
-57	No Number	Gun - 30 Calibar machine model MO (CER)	Ref	Z
-58	121-61435	. Gun - 30 Caliber machine model M2 (GFP)	Rei	Z
- 50	ATTACHII		1	4
-59	NAS221-9	. Screw - Brazier head Phillips recess audy steel 10-32	3	Z
-60	AN509-10R8	Screw - 100° Flat head structural	3	Z
-61	NAS221-8	. Screw - Brazier head Phillips recess alloy steel 10-32		Z
-62	134-61090	Plate - Blast tube		Z
-63	121-61440	. Tube - 30 Cal. gun barrel seal		Z
-64	134-61106	Cover Assy - Gun barrel blast seal		Z
-65	134-61 05-10	. Housing Assy - Gun barrel blast seal	_	Z
-05				Z
-66	121-61439	. Shield - 50 Caliber gun barrel seal	1	4
	121-61439 121-61436 121-61102	Shield - 50 Caliber gun barrel seal		Z



P. O. BOX 755

Section\_II\_ **Group Assembly Parts List** 

AN 01-60FFA-4 MIAMI 48, FLA.

NOMENCLATURE

100000		
	UNITS	APPLICATION
	PER ASSY.	CODE

		LOOSE EQUIPMENT (Cont) CAMERA AND GUNSIGHT ASSEMBLIES
72E	10 12 2 2 2 2 2	Camera and Gunsight Assemblies
	168-61001	. Gunsight Insti - Front cockpit (see fig. 1 for next assy) NP Z
-1	No Number	Sight Assy - Type N3C-2 fixed gun (44G4522) (GFP) 1 Z
-2	No Number	Head Assembly - Type Al2 (GFP) 1 Z
-3	168-61614	Ring - Gunsight support 1 Z
-4	AN565D8-3	Screw - Headless set
	168-61612	Support Assembly - Gunsight 1 Z
-5	168-61612-3	Clamp - Gunsight
-5 -6	168-61612-5	Clamp - Gunsight
-7 -8	AN3-12A	
	AN3-7A	Bolt - Aircraft 10-32
-9	AN365-1032	Nut - Self locking 250°F 6 Z
	168-66001	. Camera Instl - WOP sta 75.445 (see fig. 3A for next assy) . NP Z
-10	ANNGA	Camera (GFP)
	No Number	Mount - Model B type 159 (Huber Engineering Co.) 2 Z
	168-66029	Support - Gun camera 1 Z
	168-66005	. Indicator - Rocket camera position
-11	159-66011	Spring - Gun camera door retract 2 Z
-12	168-66041	Cable Assy - Camera door forward 1 Z
-13	168-66040	. Cable Assy - Camera door aft
-14	AN155-85	Barrel - Turnbuckle
		Dailer lannoachie
-15	168-66032	
-16	NAS42DD4-20A	Spacer - Rivet
-17	AN210-1A	. Pulley - Anti-friction bearing control 2 Z
-18	AN3-6A	Bolt - Aircraft 10-32
-19	AN365-1032	Nut - Self locking 250°F 2 Z
-20	168-66033	. Bracket Assy - WOP sta 60.357 camera door aft pulley 1 Z
-21	NAS42DD4-20A	Spacer - Rivet
-22	168-66034	Bracket Assy - WOP sta 17.961 camera door pulley 1 Z
-23	NAS42DD4-20A	Spacer - Rivet
-24	AN210-1A	Pulley - Anti-friction bearing control
-25	AN3-6A	Bolt - Aircraft 10-32
-26	AN365-1032	. Nut - Self locking 250°F
-27	168-66035	
	NAS42DD4-20A	Spacer - Rivet
	AN210-1A	. Pulley - Anti-friction bearing control 1 Z
	AN3-6A	Bolt - Aircraft 10-32
	AN365-1032	Nut - Self locking 250°F
-28	168-66036	Bracket Assy - Camera door sta O forward pulley 1 Z
-29	NAS42DD4-10A	Spacer - Rivet
-30	AN210-1A	Pulley - Anti-friction bearing control 1 Z
-31	AN3-5A	Bolt - Aircraft 10-32
-32	AN365-1032	Nut - Self locking 250°F
-33	130-52086	Spring - Servo release cable
-34	168-66039	. Clip - Camera door override spring attaching
	168-66037	orth camera acer crestrate phiritip accaenting
-35		
-36	168-66037-3	Strap - Camera door cable chafing block 1 Z
-37	168-66037-5	Strap - Camera door cable chafing block 1 Z
-38	168-66038	Block - Camera door cable chafing block 1 Z
-39	AN3-6A	Bolt - Aircraft 10-32 1 Z
-40	AN3-10A	Bolt - Aircraft 10-32 2 Z
-41	AN365-1032	Nut - Self locking 250°F 3 Z

1 2 3 4 5 6 7

PART NUMBER

FIGURE & INDEX NUMBER

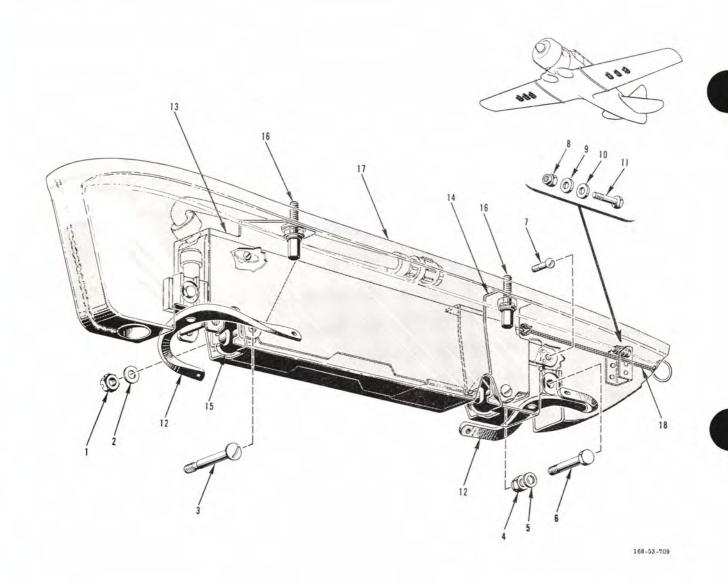
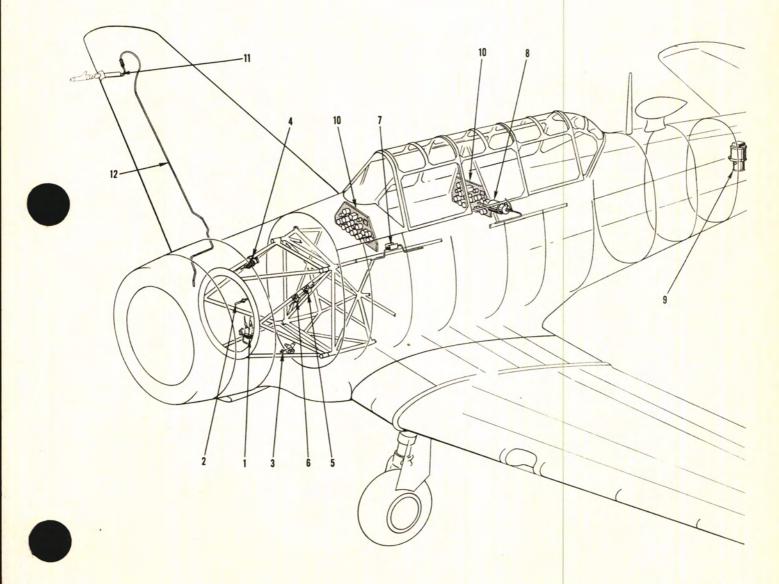


FIGURE 72F - COMPLETE BOMB RACK ASSEMBLY

FIGURE &	PART NUMBER	1	2	3	4	5	6	7	NOMENCLATURE		UNITS PER ASSY.	APPLICATION
									LOOSE EQUIPMENT (Cont) MPLETE BOMB RACK ASSEMBLY			
72F	168-63012	Ra	ck I	Asse	emb1	у -	В	omb	plete (see fig. 720 for next as	sembly) .	Ref	Z
-1	AN320-5											Z
-2	AN960D516		Was	sher	-	Pla	in				2	Z
-3 -4	AN25-34		Bo.	lt .	- C1	evi	S 5	/16			2	Z
-4	AN365-624		Nut	-	Se1	f 1	ock	ing	O°F		2	Z
-5	AN960-616		Was	sher		Pla	in				2	Z
-5 -6	AN6-13A		Bo]	lt .	- A1	rer	aft	3/	4		2	Z Z
-7 -8	AN520-10R8		Scr	ew	- M	lach	ine	ro	head fine thread		4	7.
-8	AN365-1032		Nut	- 5	Sel	f 1	ock	ing	O°F		1	Z
-9	AN960D10		Was	sher	-	Pla	in				1	7.
-10	2W1P14-20-94		Was	sher	-	Pla	in	(NA			2	7.
-11	AN3-5		Bol	Lt -	- A1	rer	aft	10			1	Z
-12	159-63008		Bra	ace	Ass	emb	ly	- B	rack sway		2	Z
-13	159-63003-9		Sur	pop	t A	sse	mbl	у -	mb rack front		1	7.
-14	168-63017		Sur	por	t A	sse	mbl	у -	mb rack rear		1	7.
-15	45G25670		Bon	nb I	Rack	As	sem	bly	Type S2 (GFP)		1	7.
-16	159-63014		Bol	t .	Bo	omb	rac	k a	ching		4	7.
-17	168-63011		Fai	rir	g A	sse	mbl	y -	mb rack		1	7.
-18	159-63012-3		Rin	g -	Bo	mb	rac	k c	ing		1	Z

#### AN 01-60FFA-4

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



168-51-441 A

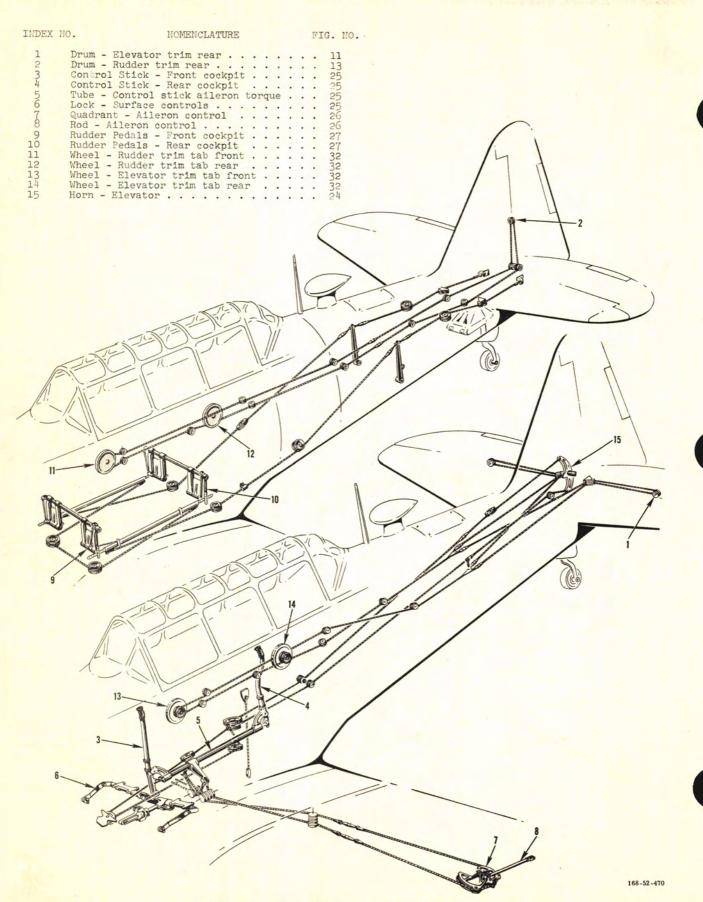
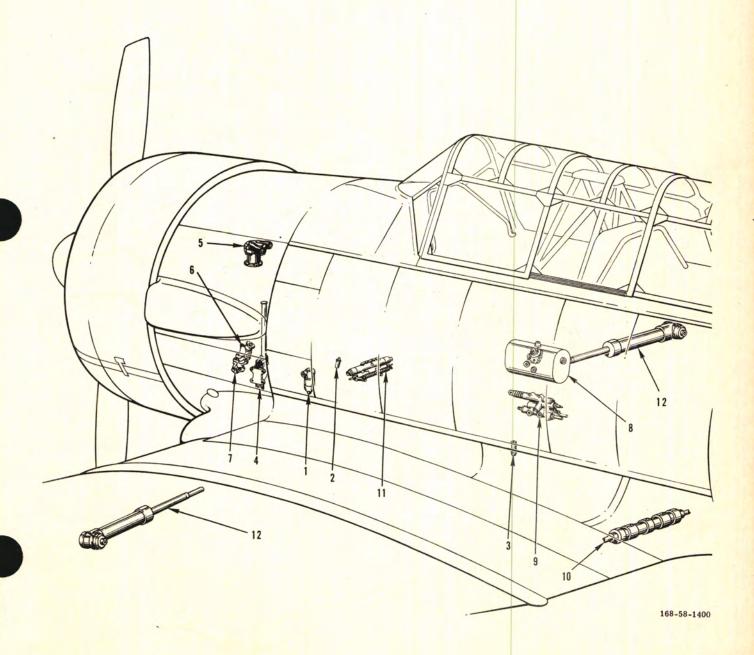


FIGURE - 74 SURFACE CONTROLS SYSTEM INSTALLATION

#### AN 01-60FFA-4

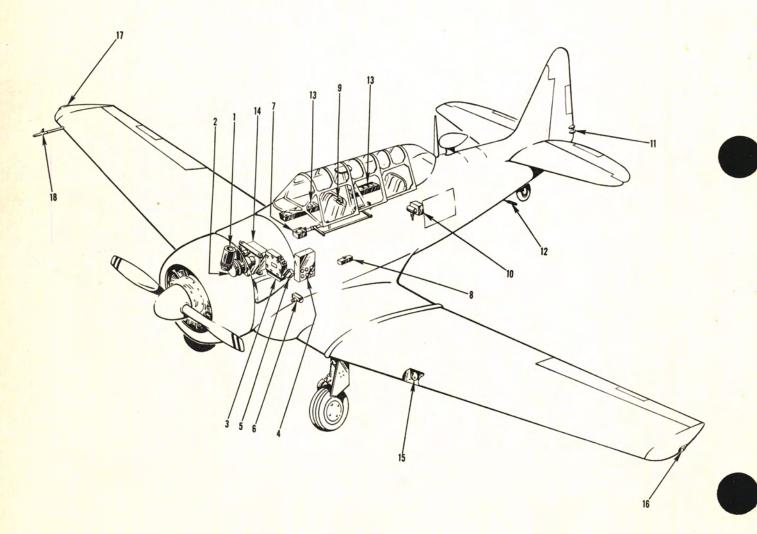
TRANS AMERICAN AVIATION CORP.
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MIAMI 48, FLA.

INDEX	NO. NOMENCLATURE FIG	. NO
1	Filter - Hydraulic. 15SD1 Snubber (PA). Valve - One-way hydraulic Pump - Hand	36
2	15SD1 Snubber (PA)	36
3 4	Valve - One-way hydraulic	36
	Pump - Hand	36
5	Pump - Engine driven	35
	Disconnect Block - Pressure line	3.
78	Disconnect Block - Suction line	36
8	Reservoir - Hydraulic	
9	Valve - Selector	33
10	Strut - Wing flap	
	Cylinder - Master brake	
12	Strut - Main landing gear	53



# Group Assembly Parts List AN 01-60FFA-4

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



168-54-2398

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# SECTION III NUMERICAL PARTS LIST

PART NUMBER	& INDEX NUMBER	PER A/C	MICROFILM INDEX
Ball	34-9	1	
Battery	37-1	NP	
Book	70	1	
Book	70	1	
Casing	53-46	2	
Casing	57-72	1	
Compass	22	1	
Compass	22-17	2	
	45-56	1	
Dehydrator	Removed P		No
Fire Exting.	1T-6-20	21. 1.9	. 140.
2	69-2	1	
Generator		1 1	
Grip	25		
Gun	72D	Ref	
Head	72E-2	1	
Horn	37A-16	1	
Inverter	37A-22	1	
Lamp	41-22	2	
Mount	72E	2	
Primer	65-32	1	
Regulator	40-22	1	
Relay	40-17	1	
Relay	42-18	1	
Relay	42-20	1	
Relay	42-21	1	
Release	37-29	1	
Resistor	37-19	3	
Resistor	37-20	1	
Resistor	37-23	î	
	37-22	2	
Resistor	44-25	1	
Resistor	44-25	i	
Resistor	44-26	1	
Resistor		1	
Shunt	40-16		
Sight	72E-1	1	
Starter	69-4	1	
Tube	53	2	
Tube	, 57	1	
ABZUG	(see fig.	37-19)	
ACYOU	(see fig.	37-21)	
	(see fig.	37-22)	
AD3572	(see fig.	44-30)	
AD3606	(see fig.	44-29)	
AF28	44E-35	2	
AM26/Alc	44E	1	
	44E-63	1	
AM300/A1C AN01-1B40	72	1	
AN-03-10ED1	(see fig.		
	44F-64	12	
AN-ASA3		53 161	
AN-C55	(see fig.		
AN-C55D	(see fig.	22-8)	
AN-C99	(see fig.	42-0)	
AN-114	(see fig.		
AN-128	(see fig.	32)	
AN-T78	(see fig.	57)	
ANN6A	72E-10	2	
AN104B	44A-35	3	
AN115-32	44B-28	3 3 2	
AN12-17	72D-50	2	
AN155-16S	57-48	1	
AN155-85	72E-14	1	
AN16-1-66	72	1	

PART NUMBE	ER	FIGURE & INDEX NUMBER	QTY PER A/C	MICROFILM
AN151-16RS AN200KP5 AN200KS4 AN200K3L AN200K5 AN201K6A AN210-1A AN210-1B AN210-2A AN210-2B AN210-3A AN210-4A AN210-5A AN227-1L AN227-1-9 AN23-10 AN23-11 AN23-12 AN23-15 AN23-15 AN23-17 AN23-16 AN23-17 AN23-20 AN23-21 AN23-25 AN23-21 AN23-25 AN23-30A AN23-29 AN24-14 AN24-16 AN24-16 AN24-17 AN24-18 AN24-16 AN24-17 AN24-18 AN24-18 AN24-24 AN24-36 AN25-3-2-1	543 969 0	57-1000 57-1050 57-	116524403918911148335531211231171221227221221221221221221221358	

PART NUMBER	FIGURE & INDEX NUMBER	QTY PER A/C	MICROFILM INDEX	PART NUMBER	FIGURE & INDEX NUMBER	PER A/C	MICROFILM INDEX
AN3-13 AN3-14 AN3-14 AN3-15 AN3-16 AN3-16 AN3-16 AN3-16A AN3-20A AN3-20A AN3-21A AN3-21A AN3-23A AN3-25A AN3-25A AN3-26 AN3-27 AN3-27 AN3-27 AN3-32A AN3-34 AN3-34 AN3-40 AN3-5 AN3-6 AN3-5 AN3-6 AN3-7	159-27 159-27 159-27 159-27 123-28-38 123-28-38 123-28-38 123-38-38 123-38-38 123-38-38 124-38-38 124-38-38 125-38-38-38 126-38-38-38 127-38-38-38-38 128-38-38-38-38-38-38-38-38-38-38-38-38-38	443163476623543212525266287183321666211411511831285412912211123 175111123321666211411511831285412912211123		AN3106-10SL4P AN3106-12S3S AN3106-14S1S AN3106-14S2S AN3106-20-4S AN3106-22-12S AN3106A14S2S AN3106B18-9S AN3106B18-9S AN3108B14S2S AN3108-18-1S AN3108-18-1S AN3108-20-27S AN3121-313 AN3123-301 AN3125-1 AN3123-301 AN3125-3 AN315-3R AN315-3R AN315-6R AN315-6R AN315-6R AN315-6R AN315-7-3 AN3157-2 AN3157-2 AN3157-2 AN3157-2 AN3157-3 AN3157-9 AN3157-9 AN3157-9 AN3158-1 AN3157-9 AN316-5L AN316-5L AN316-5L AN316-5L AN316-5L AN316-5L AN316-5C AN3160-10 AN3160-35 AN3160-10 AN3161P20 AN3161P35 AN3161P20 AN3161P35 AN3161P35 AN3161P36 AN3161P37 AN320-1 AN3316-2 AN330-1 AN3316-2	77122 4 885158 5 3980 774-1-1-1-3658 5 3980 774-1-1-1-1-3658 5 3980 774-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	16601041110110400308051184901116140465045030 5 3 15 4103591010105440166341011	

	FIGURE QT	MICROFILM		FIGURE	QTY		
PART NUMBER	& INDEX PER NUMBER A/G	INDEX	PART NUMBER	& INDEX NUMBER	PER A/C	INDEX	
AN3433-6-2 AN3436-2-14 AN3436-2-16 AN3436-2-2 AN3436-2-2 AN3436-2-4 AN3436-2-7 AN3436-2-7 AN3436-4-2 AN3436-4-2 AN3436-4-8 AN3436-6-4 AN350-6 AN350-6 AN350-6 AN350-6 AN350-6 AN362-632 AN364-1032 AN365-1032 AN365-1037 AN365-428 AN365-1037 AN365-428 AN365-524 AN365-528 AN365-624 AN365-624 AN365-624 AN365-622 AN365-1032	12-12 12-12 15B-43 44A-27 15B-48 15B-48 15B-18		AN4-20A AN4-21A AN4-22 AN4-22A AN4-25A AN4-27 AN4-30A AN4-31A AN4-31A AN4-35A AN4-37A AN4-41 AN4-47A AN4-46A AN4-6A AN4-6A AN4-7 AN4-6A AN4-7 AN4-15A AN4004-3 AN4010 AN4043-2 AN4078-1 AN42-4 AN43-7 AN44-14 AN486-1 AN486-1 AN486-1 AN486-1 AN486-1 AN5-11A AN5-11A AN5-11A AN5-12A AN5-11A AN5-12A AN5-13A AN5-14A AN5-14A AN5-14A AN5-16 AN5-21A AN5-14A AN5-16 AN5-21A AN5-35 AN5-36A AN5-36A AN5-36A AN5-36A AN5-36A AN5-37A AN5-14A AN5-16A AN5	17-10 254-8 267-8 26	6 1 6 1 2 6 4 6 6 1 1 4 1 4 8 3 3 3 0 0 4 1 1 9 1 1 2 4 1 1 9 5 1 1 1 0 4 4 6 2 2 2 6 6 6 2 0 2 4 1 8 2 2 4 2 8 0 1 6 4 6 8 8 3 8 2 3 2 6 4 6 6 4 6 2 2 2 6 6 6 2 0 2 4 1 8 2 2 4 1 8 8 0 1 6 4 6 8 8 3 8 2 3 2 6 4 6 6 4 6 2 2 2 6 6 6 2 0 2 4 1 8 2 2 4 1 8 8 0 1 6 4 6 8 8 3 8 2 3 2 6 4 6 6 4 6 2 2 2 6 6 6 2 0 2 4 1 8 2 2 4 1 8 8 0 1 6 4 6 8 8 3 8 2 3 2 6 4 6 6 4 6 2 2 2 6 6 6 2 0 2 4 1 8 2 2 4 1 8 8 0 1 6 4 6 8 8 3 8 2 3 2 6 4 6 6 4 6 2 2 2 6 6 6 2 0 2 4 1 8 2 2 4 1 8 8 0 1 6 4 6 6 4 6 2 2 2 6 6 6 2 0 2 4 1 8 2 2 4 1 8 2 2 4 1 8 8 0 1 6 4 6 6 4 6 2 2 2 6 6 6 2 0 2 4 1 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		

PART NUMBER	FIGURE & INDEX NUMBER	QTY PER A/C	MICROFILM INDEX	PART NUMBER	FIGURE & INDEX NUMBER	QTY PER A/C	MICROFILM
AN507-832R12 AN507-832R7 AN507-832R8 AN509-8-10R8 AN509-8-11 AN509-8-15 AN509-8-17 AN509-8-17 AN509-8-17 AN509-8-17 AN509-8-17 AN509-8-17 AN509-8-17 AN509-8-17 AN509-8-17 AN515-10R10 AN515-10R10 AN515-10R10 AN515-4R7 AN515-4R7 AN515-4R7 AN515-4R6 AN515-6-8 AN515-6-8 AN515-6-8 AN515-6-810 AN515-6-812 AN515-6-812 AN515-6-812 AN515-6-814 AN515-6-812 AN515-6-810 AN515-6-810 AN515-6-812 AN515-6-810 AN515-6-810 AN515-6-810 AN515-8-10 AN515-8-10 AN515-8-10 AN515-8-10 AN515-8-10 AN515-8-11 AN515-8-12 AN515-8-10 AN515-8-11 AN515-8-12 AN515-8-10 AN515-8-10 AN515-8-10 AN515-8-10 AN515-8-11 AN515-8-11 AN515-8-12 AN515-8-11 AN515-8-12 AN515-8-11 AN515-8-12 AN515-8-10 AN515-8-	729-71 8-29-71 8-29-71 8-29-71 8-29-71 8-29-71 8-29-71 8-29-71 8-29-71 8-29-71 8-38-7 8-6-6-32 8-7-7-6-6-1 8-7-7-6-6-1 8-7-7-6-1 8-7-7-6-1 8-7-7-1 8-7-7-1 8-7-7-1 8-7-7-1 8-7-7-1 8-7-7-1 8-7-7-1 8-7-7-1 8-7-7-1 8-7-7-1 8-7-7-1 8-7-7-1 8-7-7-1 8-7-7-1 8	48285R1404466R74460R043844450223863401274481538221211		AN5540-2 AN565D8-3 AN5730-2B AN5730-2B AN5730-3 AN5735-1 AN5735-1 AN5735-2 AN5735-1 AN5736-1A AN5736-1A AN5743-1 AN5745-2A AN5760-1 AN5760-1 AN5760-2 AN5760-3 AN5760-4 AN5760-4 AN5773-1 AN5773-2 AN5773-1 AN5773-2 AN5773-1 AN5773-1 AN5822-1 AN5822-1 AN5822-1 AN5825-1 AN5825-1 AN5823-1 AN5823-1 AN5823-1 AN6-15A AN6-13A AN6-13A AN6-13A AN6-13A AN6-13A AN6-22 AN6-27 AN6-31 AN6-22 AN6-27 AN6-31 AN6-22 AN6225-42 AN6225-42 AN6225-42 AN6227-4-12 AN6270-4-13 AN6270-4-16 AN6270-4-16 AN6270-4-16 AN6270-4-16 AN6270-4-16 AN6270-4-16 AN6270-4-16 AN6270-4-16 AN6270-4-16 AN6270-4-17 AN6-66 AN6270-4-18 AN6270-4-16 AN6270-4-16 AN6270-4-16 AN6270-4-11 AN7-50 AN7-57 AN7-50 AN7-57 AN7-50 AN7-57 AN7-50 AN7-57 AN7-50 AN7-57	23 E-14 22-14 22-14 22-14 22-14 22-14 22-14 22-14 22-14 22-14 22-14 22-16 11 22-16 1	20000000000000000000000000000000000000	o. No.

## TRANS AMERICAN AVIATION CORP. P. O. BOX 755

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#### Section\_III\_ dex

MIAMI 48, FLA. 01-60FFA-4	Numerical	Ind

PART NUMBER
PART NUMBER  AN7502-1 AN7503-1  AN770A2 AN771-2 AN8-13 AN8-26 AN8-47 AN8000 AN8003-1 AN8005D25 AN8018-1 AN8019-1 AN8020-1 AN804D6 AN807-10D AN809-1 AN815-10D AN815-6D AN815-6D AN816-4B AN816-6B AN816-6B AN816-6B AN822-4-4D AN822-4-4D AN822-4-4D AN823-10D AN823-10D AN823-10D AN823-10D AN823-10D AN823-4D AN823-10D AN823-4D AN823-10D AN823-4D AN823-4D AN823-10D AN823-4D AN823-10D AN824-10D AN825-10D AN825-10D AN825-10D AN825-10D AN825-10D AN825-4D AN825-10D AN825-4D AN825-10D AN840-10 AN840-10 AN840-10 AN840-10 AN840-10 AN840-10 AN840-10 AN841-10 AN844-10

PART NUMBER	FIGURE QTY & INDEX PER NUMBER A/C	MICROFILM INDEX	PART NUMBER	FIGURE & INDEX NUMBER	PER A/C	MICROFILM INDEX
AN960D416 AN960D416 AN960D516 AN960D61 AN960D61 AN960D81 AN960D81 AN960D81 AN960D916 AN960D916 AN960L416 AN960L416 AN960L416 AN960L416 AN960L416 AN961-6 AN975-3 AM142/AIC AM300/AIC AS27A/ARN5 AS313A/ARN6 AS445B2 AV1B1176 AW1-7/8-21AK AW1-7/8-21AK AW1-7/8-32AF4 A11 A2001RCUR A2132 A313-2 A3135 A4-25 A5-35 A7 A8116-1 BC1033B BC-602-() BC624C BC625-() BC733D BCU4 BK22E B108 B111745X B12 B1212 B1616 B1616P B21 B2930A B3 B3457 B4 B610 B8 B812P B88P B9 CAN15 CA275X CCA1500 CCA4900	NUMBER A/C  31-17 29 48-8 4 72C-16 22 17-3 57 44F-19 1 72D-44 2 15-74 1 20A-29 1 44F-64 10 36 1 20-47 2 53-6 4 44A-29 14 32-16 12 44A-29 14 44E-63 44E-63 44E-63 1 44F-31 1 43-25 1 65A-1 2 22 22 22-5 2 (see fig. 22-8) 51-32 1 62-42 2 22-5 2 22-5 2 22-5 2 22-5 2 22-5 32 1 65A-1 2 22-5 2 22-7 2 22-7 2 22-7 2 22-7 2 22-7 2 22-8 3 24-8 3 24-9 46C-17 (see fig. 38-8) 44D-3	(40-7)	CG132/ARN6 CG405/ARN6 CM1356 CP29A1DF103M CP53B2EB405K CR1A/AR  CS80-() CS80C CU65/ARN6 CW141/ARN6 C1006 C12 C13 C14 C16 C2 C31006 C4/ARN7 C403A/A C404A/A  C5 C695/AIC C8 DC11A  DM53A DY21/ARC3 DY22/ARC3 D27-276 D3 D3-292A EA504BP700 E1156-3-10 E13 E4 E734 FC8344 FC8347 GASTARA9 F14 FT293A FT488	NUMBER  44F-50 44F-49 41-21 44E-10 44F-47 44F-46B-1 44F-47 44B-1 44F-48B-1 44F-48B-1 44F-4B-6 44B-1 44F-4B-6 44B-1 44F-4B-1 44F-1	A/C  1 12 4 2-13) 18 1 2 12 22) 122) 1322-15) 222) 134-144 4 4 4-144 4 4 62-77 1 7-24 1 1 2 2 2 2 1 2 2 2 1 3 7 3 1 1 2 2 2 2 1 3 3 7 3 1 1 2 2 2 2 1 3 3 3 3 3 3 3 3 3 3 3 3	

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Н	R10	46-1 46-21	6			MT28/ARN5	44F-58 44-7	1	
H	IS33 I2-584L	72 53-42	2			MT556/AIC	44E 44E-22		
H	12-584R 141B7016	53 (see fig.	44-30			MT589/ARN12	46C-7 44F-36	1	
H	143B14392	(see fig.	44-28			MT677/AIC	44A-4 44E-64	2	
I		(see fig.				NAA1150-48856	69-13 69-14	1	
I	D138	37-41 37A-26	3			NAA1150-4SS82 NAA1150S6XT118	69-19	1	
I	L5/U	2-15 44F-75	1			NAS2-101 NAS2-103	51-11 57-24	3	
I	N79 N88	45-47 44B-32	5			NAS2-201 NAS2-301	2-81 52-69	5	
		44B-40 44F				NAS220-11 NAS220-12	17-8 41-25	2	
		45-37 45-88				NAS220-14 NAS220-16	25 <b>-</b> 55 51 <b>-</b> 26	32	
	M12A	60-8	21-34			NAS220-18 NAS220-20	17-9 16-9	2	
I	101D 181A	(see fig.	22-17			NAS221-10	4-3	17 28	
	JANC25 JANR11	(see fig.	44-36			NAS221-11 NAS221-12	3-27	15	
	IG6500A	(see fig.	1		-	NAS221-14 NAS221-16	4-12 3-19 16-13	9	
	TH5500 TO200M	57-71	2		1/	NAS221-18 NAS221-19	7-10	2	
1.3	TU1031 TU1031P3048	46A-2	1		1	NAS221-21 NAS221-22	48-33 16-6	1	
	TX55F-RF	46A 42-24	1			NAS221-29 NAS221-7	7-11 18-7	2	
J	12 168/ARC3	(see fig.				NAS221-8 NAS221-9	3-51 72D-59	16	
	(10	44E-9 46-4	4			NAS222-11 NAS222-12	6-31	58	
I	A1564-23-1/2	44E-58	2			NAS222-14 NAS222-15	6-34 6-29	8 4	
I	JA1564-31 1/2 JA1564-(76)	44F-31 44-14				NAS222-16	6-40 6-39	80	
I	A1564-93	44E-57 44F 45-19	2			NAS222-17 NAS222-18 NAS222-22	8 6-36	18	
т	LP21LM	44F 45-55	2			NAS222-24 NAS222-25	6-35 720	2	
	1275	44B-33 44F-13	2			NAS222-5 NAS27-4C	6-37 63-8	72	
	1299	45-38 44A-25	3			NAS42C6-12 NAS42DD4-10A	37-5 72E-29	2	
P	12.33	44D-6 46B-3				NAS42DD4-10A NAS42DD4-18 NAS42DD4-20A	46-16 72E-16	8	
	13	(see fig. 44A-36	69-2)			NAS42DD4-8 NAS43-3-23	44F-7 15A-7	2	
P	M359A	44B-8 44B-13	1			NAS43C3-28 NAS43C3-32	29-10 29-11	2	
		44F				NAS43C3-36 NAS43DD4-24	57-39 31-18	1	
		44F-16 44F-41				NAS43DD4-8	44E-7	5 1	
		45-45 45-8				NAS44A10-2 NAS44A6-2	43	3	
N	MC136	44E-21 44F				NAS44A6-5 NAS45-10-2	43	2	
	MC203	45-20 44E-59	1			NAS45-10-4 NAS45-6-10	40-14 44D-15	1	
1	MC203A MC277	44-21 44B-23	1 2			NAS45-6-14 NAS45-6-16	44D-10 43-39	3 2	
	MT236/ARC3	44A-14 44E-16	2			NAS45-6-2 NAS45-6-20	43-24 43-22	2	
	MT237/ARC3 MT237B/ARC3	44A-9 44E-23	2			NAS45-6-6 NAS45-6-7	43-28 44-40	2 5	
	MT238/ARC3	44A-6 44F-44	2			NAS45-8-2 NAS45-8-4	37A-33 56-25	1 2	
1	MT238B/ARC3	44F-50	1			NAS45-8-7 NAS51-21	37A-27 46-18	1 4	

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NAY9E1 PAR56 PC2891 PC3 1/2 PE94-()	(see fig. 60-63 (see fig. 41-22 5538 440 46B-4	}	RE4F5 RG22/U RG8/U	31-21 44-12 44B-25 44F-14 45-22	1 15" 72" 77" 36"	
PE94C	4A-1 2 45-10		R101A/ARN6	45-30 44B-10	72"	
PF3-1-2-38 PLQ169	44c 14 44B-6 3 45-6 46B-2		R122/ARN12 R1340AN1 R5A/ARN7	44F-48 44F-34 60-13 45-16	1 1 2	
PLQ170	46B 44B-7 3		R77A/ARC3	44F 44A-8 44E-19	2	
PLQ171	45-7 46B 44A 2		R89B/ARN5A SK71-1032-8	44E-19 44-6 49-21	Ref 4	
PLQ172	45-12 44A 2 45-13		SK71-428-12 SK97-1032-14 S306CCT	49-11 49-27 44-27	2	
PL108	44-39 7 44A-32		TC198A	46B 72	2	
	44A-33 44E-36 45-25		TM201	44B-24 45-29 77-2	2	
PL112	45-54		T49B	78-12		
PL118 PL122	44-15 2 45-18 1		T516	77-9 78-22	2	
PL148A	44A-16 44E-13		T517	77-11 78-14	2	
PL151A PL152A	44F-42 1 44E 1 44A-10 1		T517-2 T518	77-12 78-15 77-14	2	
PL153 PL153A	44A-10 1 44A-15 3 44E-10		T518	78-21	2	
PL219	44E-22 44B-22 2		T52U-2	77-16 78-4 78-18	1	
PL259A	45-27 44E-20 7 44F-15 44F-30 44F-40		T520-3 T523-2 T523-3 T524 T526-2	78-19 78-9 78-10 78-6 78-7	1 1 1 1 1 1	
PL271	45-21 44B-9 45-9		T526-3 T527 T54	78-8 78-26 77-15	1 1 2	
PL284 PL293 PS3-1-2	46B 44-10 44-11 44C 14		T542	78-5 77-6 78-27 77-8	2	
PS5223B120 PS5223B7 P1	67-38 8 67 2 (see fig. 40-22	)	т546	78-23 77-13 78-13	2	
Q237 Q901-14 Q901-16	72B-25 3 15-51 8 15-46 4		T549	77-7 78-29 77-10	2	
0901-16S	44E-60 48-16 4		т554	78-16 77-3	2	
Q901-20 Q901D18 Q902-16	23-35 15A-6 144-28 244-22		T556	78-11 77-5 78-28 78-20	2	
Q902-20	44-29 44E-5		T560 T567-2 T567-3	78-2 78-3	1 1 1	
Q902-24 Q911A18-17	44-23 44E-6 15A-30		T574 T575 T600	78-17 78-25 77-1	1	
Q911A18-20 Q811-20-9 RC21AE103M RC21AE154M	15A-30 15A-31 23-40 2 (see fig. 44-36 (see fig. 44-37	}	T602 T67/ARC3 T86 T950	77-1 78-1 44A-5 44F-39 77-4 77-	2 2 1	
REB3-1 RE3F4	13-16 57-44 2		T95100 T953	22 78	2	
RE3F4	57-44		1903	10		

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T59660 T59750	22 2 20A 1		05-5-6	(see fig.	22)	
U15/U	44A-17 3 44E-11		05-75AA2 05-80-1	(see fig.	22)	
U16/U	44F-43 44A-18 44E-12		066650 08-15-1 08-15-2	68-22 72 72	1	
U2275	70-15 70-22		08125 08231	58-16 58-17	1	
U3180D5	71-14		1 1A 1B4	(see fig. (see fig. 15-15		
U4400-1 U61/U	62-30 1 44-20 3		1D138 1D57-2	37-38 58-23	1	
VJR24B5X	44E-70 69-18 1		1L5/U 1N1B4	44F-72 60-39 63-9	1 12 8	
V137 WF5/U	46-5 5 46-24 44-19 54"		1N3-2 1N3-3	67 <b>-</b> 9 63 <b>-</b> 10	8	
WF5/0	44-35 56" 44E-69 1		1P263E	67-8 36-51	1 4	
W106A	44B-34 10' 44B-37 12' 45-39 10'		1P4 1S71LT12 1S71LT13-3	65-45 (see fig.		}
•	45-52 10' 45-57 60"		10-1744-75	65A-2 65A-23	2	
0-3903-101 01-60FFA1	48-25 2 72 1		10-2649-84 10061-1A-A1 10061-1D-A1	67-32 22 22	1 2 2	
01-60FFA2 01-60FFD-1 01-60F6	72 72 1 72		10061-1E-A1 10062-1A	22 20A	2	
0150 0151-25-100	15B-17 1 15B-31 1		10062-1B 10171	20A 23-36 22-1	1 1 2	
02A10DC4B 0200B	(see fig. 60-1d) 37-17 (see fig. 66)		102491 10283A 1029A7SW	22 44D-4	2 4 2	
03-10A2 03-10EA1 03-15-12	(see fig. 66)		10322A 104C	(see fig.	72)4	
03-15-13 03-15-32	(see fig. 62) (see fig. 62-60)		10498A 1055-1 109-61423-3	22 37 720	1 4	
03-15-8 03-20CA4 03-20CB2	(see fig. 62) (see fig. 60-5) (see fig. 60-3)		109-61424-3	72C 72C-8	24 24	
03-20CB7	(see fig. 60-4)		109-71025	44A-37 44B-14 44F-29	5	
03-30AH1 03-30AS2 03-5-55	(see fig. 23-49) (see fig. 23-36)		109-73076	45-44 72	1	
05-1-54 05-10-21	(see fig. 22-1) (see fig. 22)		11-1039-1-10 11-1039-1-14D	36-33 36-3 35-5	1 1 7	
05-15-19 05-15-30	(see fig. 22) (see fig. 22)		11-1039-1-5	36-11 36-40		
05-15-5	(see fig. 20) (see fig. 22) (see fig. 22)		110077	36-28 22	4	
05-20-23 05-20-27	(see fig. 22)		110430 1152A100 1153C100	(see fig.	49)	
05-20-52 05-20GB1 05-20GC2	(see fig. 22) (see fig. 22) (see fig. 22)		117-54240 117-54241	3A-5 3A-6	24 24	
05-20HC1 05-20HD4	(see fig. 22) (see fig. 22)		117-54243 117-54244 118-1-1000	3A-7 3A-3 45	4 4	
05-30-18 05-35A6 05-35A7	(see fig. 22) (see fig. 22) (see fig. 22)		12-244-78	44F 65A-11	1	
05-40B12 05-40B5	see fig. 22)		12D40 120-61407	(see fig 72C-4 72D	60-3	)
05-40B6 05-40BA2	see fig. 22) see fig. 22) see fig. 22)		120-615562 121-10001 121-14065	1-1 2-103	NP 1	
05-40D1 05-40D2 05-40D5	see fig. 22) see fig. 22)		121-14065-1 121-21027	2 12-4	1 2	
05-5-4	see fig. 22)			12-11	A	
						*

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121-23014 121-31234-1 121-31234-1 121-31840-2 121-34007 121-34030 121-34503 121-34504 121-34507 121-34507 121-34507 121-34507 121-34507 121-34507 121-34508 121-34510 121-34511 121-34511 121-34513 121-48407-12 121-48407-132 121-48407-15 121-48407-15 121-48407-23 121-48407-27 121-48407-27 121-48407-27 121-48407-27 121-48407-27 121-48407-31 121-48407-31 121-48407-41 121-48407-41 121-48407-41 121-48407-45 121-48407-45 121-48407-9 121-48407-9 121-48407-9 121-48407-9 121-4842-1 121-48433-2 121-48433-2 121-48433-2 121-48433-2 121-52218 121-52219 121-52310 121-52311 121-52312 121-52313 121-52312 121-52313 121-52312 121-52313 121-52316 121-61405-5 121-61405-5 121-61405-5 121-61405-61 121-61406-1 121-61416-1 121-61430 121-61430 121-61430 121-61431	12-20 15-44 15-34 15-34 15-34 15-36 170 15-37-41 15-38 170 170 170 170 170 170 170 170 170 170	11 11111111111111111111111111111111111		121-61433 121-61434 121-61435 121-61436 121-61439 121-61402-3 121-68402 121-68403 1245145 1245180 130-48603 130-52086 134-61013 134-61015 134-61018 134-61019 134-610105 134-610105 134-610106 138185 140-61092 1401-395486386 1425 144-54071-10 146-31334 147-54746  15-31004 15-52415 15-52420 154-54094 153-71172 157-71041 157-71041 157-71041 157-71041 157-71041 157-71041 157-68012-3 159-63013-3 159-68010-5 159-68010 159-68010 159-68010 159-68011	72D-26 72D-25 72D-58 72D-66 72D-63 72C-6 72C-3 72C-3 72C-3 72C-3 72C-1 72D-12D-12 72D-12D-12 72D-12D-12 72D-12D-12 72D-13 72D-13	164 88 8 168	

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168-31902-18 168-31906 168-31976 168-31976-100 168-33,046 168-33,402-1 168-33,402-2 168-33,402 168-33,402 168-33,402 168-33,502 168-33,502 168-33,503 168-33,505 168-33,506 168-33,507 168-33,508	(see fig. 61)	1 1 1 1 1 42)	168-43006-10 168-43007 168-43008 168-43031 168-43803 168-44002 168-44003 168-44005 168-44005-10 168-44005-15 168-44005-15 168-44005-20 168-44007 168-44007	(see fig.	1	
168-33511 168-33512 168-33513 168-33514 168-33515	32-31 32-60 51-23 51-24 30-1 52-75 Re 30-2 52-76 Re	1	168-44009 168-44010 168-44803 168-45001 168-45002 168-45002-10 168-45003 168-45005	60-62 60-5 70-21 60 64-14 64 64-28 64-18	1 1 NP 1 1 1	
168-33517 168-33518 168-33520 168-33522 168-33523	51-13 51-10 51-30 51-19 15-54	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	168-45006 168-47040 168-47801-5 168-47801-7 168-48702	64-9 60 62-45 62-51 72-12 62-	1 NP 1	
168-33523-10 168-33524 168-33525-10 168-33525-10 168-33532 168-33533 168-33533 168-33536 168-33536 168-33536 168-33536 168-33541 168-33544 168-33544 168-33544 168-33548	52-77 15 51-31 51-31 51-1 51 31-22 32-4 32-4 32-7 32-1 32-14 30-11 30-8 31-72 31-73 31-28 32-32 56A-36		168-48001 168-48002-2 168-48003 168-48003 168-48004-1 168-48005 168-48007-1 168-48007-2 168-48008 168-48009 168-48010-3 168-48010-3 168-48012-1 168-48013 168-48013 168-48015 168-48016 168-48016 168-48018	60 67-1 67-29 67-46 67 67-37 67-45 67 67-44 67-33 32-42 32-70 3A 38-19 65-51 29-45 65-11	NP 1 2 1 1 2 1 1 2 1 1 1 1 1 1 1 1	
168-33553 168-33554 168-33557	56A-26 56A-16 56A-17 56A-5 56A-10	1 1 4 1	168-48019-3 168-48019-5 168-48021 168-48021-10 168-48022 168-48022-10	65 65-10 65 65-21 65-21	1 1 2 1 1 1 1 1 1 1 1 1 1	

168-48023-1 168-48023-2 3A 1 168-48024-1 3A 1 168-48024-1 3A 1 168-48024-2 3A-14 1 168-48024-2 3A-14 1 168-48024-2 3A-14 1 168-48025-1 168-48025-2 3A-13 1 168-48025-2 3A-13 1 168-51801-106 168-51801-107 20A 1 168-51801-106 23-111 1 168-48026-1 168-48026-1 168-48026-2 3A-15 1 168-51801-109 20-64 1 1 168-51801-111 20A-6 1 1 168-51801-111 20 1 168-51801-111 20 1 168-51801-113 20A-6 1 1 168-51801-113 20A-1 1 168-51801-12 20A-1 1 168-51801-13 20A-1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- E	PART NUMBER	FIGURE & INDEX NUMBER	QTY PER A/C	MICROFILM INDEX	PART NUMBER	FIGURE & INDEX NUMBER	QTY PER A/C	MICROFIL
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PART NUMBER
55-18022  55-18022-1  55-18022-1  55-18024-1  55-20003-6  55-20004-1  55-20008-4  55-20008-4  55-21020  55-21020  55-21024  55-22037  55-22037  55-23022  55-23023  55-24018  55-24036  55-24039  55-24018  55-24036  55-24036  55-31045-1  55-31045-1  55-31045-1  55-31045-1  55-31045-1  55-31061-7  55-31078  55-31097  55-31196-2  55-31196-2  55-31196-2  55-31196-2  55-31196-3  55-31238  55-31238  55-31246  55-313466  55-334366  55-334466  55-334467

PART NUMBER	FIGURE & INDEX NUMBER	QTY PER A/C	MICROFILM INDEX	PART NUMBER	FIGURE & INDEX NUMBER	QTY PER A/C	MICROFILM INDEX
55-52634 55-52635 55-52635 55-52636 55-52649 55-52649 55-52649-2 55-52649-2 55-53101 55-53146 55-53306-2 55-53330 55-53330 55-53331 55-53335-4 55-53336-2 55-53336-2 55-53337-3 55-53337-3 55-53337-3 55-533340 55-533340 55-533340 55-54054-2 55-54054-2 55-54054-3 55-54054-3 55-54056 55-54059 55-54059 55-54139-3 55-54139-3 55-54139-3 55-54139-3 55-58178	3-47 3-368 7-368 7-368 7-37 3-38 7-37 3-39 7-37 5-22 9-21 15-83 15-93 15-93 15-93 15-93 15-93 15-93 15-93 15-93 15-93 15-93 15-93 15-93 15-93 15-93 15-93 16-91 16-	22 22 35 24 10 10 4 11 11 11 12 11 11 11 11 11 11 11 11 11	-211)	58-51015-1 58-51083 58-52402-1 58-53081 58-53082 58-53082 58-53085 586EK0110 59-73029 59-73037-3 6-6CT 6FNT 6KST 6P1 6P2 60A 60B 60014 60014A 61 610A12 610A13 610A14 62-58084-7 64-31207-8 64-31207-9 65-42016 65-42063 65174 65176 65177 65178 65178 65179 65426 65427 65810 65811 66-10003-1 66-10004-1 66-10005-10 66-10005-10 66-10005-10 66-10006-1 66-10001-1 66-10011-1 66-13013-3 66-13013-3 66-13073-20 66-13073-21 66-13018-2 66-13104-1 66-13104-1 66-13104-1 66-13104-1 66-13104-1 66-13104-1 66-13104-1	65 23-7 28-20 28-21 47-23 47-25 47-26 22-15 15-68 72A-5 36-50 35-15 35-16 48-35 19 (see fig. 22 22 (see fig.	12211122111221111221111111111111111111	

PART NUMBER	FIGURE QTY & INDEX PER NUMBER A/C	MICROFILM INDEX	1	PART NUMBER	FIGURE & INDEX NUMBER	PER A/C	MICROFILA
66-31074-2 66-31077 66-31080 66-31080-1 66-31445 66-33118-1 66-33118-1 66-33305-1 66-33307 66-33509 66-33579 66-33578 66-33578 66-42004 66-42002 66-42002 66-42002 66-52527  66-52528  66-52528  66-52538-2 66-52538-2 66-52538-2 66-52647 66-52528  66-52538-2 66-52647 66-52648 66-52647 66-52648 66-52647 66-52648 66-52647 66-58206 66154 6704-152 6704-185 671BK010 671BK011 671BK011 671BK011 671BK010 671CK010 671BK01	18			77-10032 77-13005 77-13005 77-13005 77-13014 77-13013 77-13016 77-13141 77-13141-1 77-13303 77-13303-1 77-13303-1 77-13312-1 77-20001 77-21003 77-21021 77-21001-4 77-24002 77-31032 77-31034 77-31032 77-31034 77-31035 77-31090 77-31209-10 77-31209-11 77-33316 77-33456 77-33456 77-33451 77-33456 77-33456 77-33456 77-33457 77-33456 77-33457 77-33456 77-33457 77-33456 77-47002 77-47002 77-47002 77-47002 77-47002 77-47002 77-47002 77-47002 77-47002 77-47002 77-47002 77-47002 77-48047 77-48047 77-48087 77-48087 77-48808 77-48808 77-48811 77-48811 77-48813 77-51806 77-51801 77-51806 77-51801 77-51806 77-51813 77-52105	2-26 6-20 7-41 8-30 8-32 8-32 8-32 8-32 8-32 10-19 100 113 8-33 8-32 10-19 100 113 8-33 14-10 114-10 114-10 114-10 114-10 114-11	2 1 1 1 NP 1 1 1 Ref 1 2 NP 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

PART NUMBER	FIGURE & INDEX NUMBER	PER A/C	MICROFILM INDEX	PART NUMBER	FIGURE & INDEX NUMBER	QTY PER A/C	MICROFIL
77-54061 77-54096 77-54114	41-20 37A-15 37A-10	1 1 1		811FT 811FT4 811FT6	35-35 20-17 35-14		
77-58175	34 36-15	Ref 1		811GT6	35-24 62-46		
77-58179 77-58180 77-58181	34-4 34-10 34-5	1 1 1		811HT10 811HT4D	65-1 65-6 41-4		
77-58206 77-58208	34-6 34-1	1		811JTS 811JT4D	35-32 41-38		
77-58209 77-58503 77-58505	34-3 36-2 36-1	1 1 1		811076 811875 811876	36-58 36-39 35-17		
77 <b>-</b> 58506 77 <b>-</b> 58508	36-8 36-12	1		811578	36-43 36-44		
77-58510 77-58520	36-30 35-23	1		811T4CS 814B	41-37		
77-58521 (Remov 77-58522 77-58524	ed by T. O. 35-10 35-8	1 1	511)	814BN5-02 814B02 8155-71KC	22 22 (see fig.	45)	
77-58526 (Remov	ed by T. O. 35-11	1	211)	82-51006 82-71719-5	41-36 45-36		
77-58530 77-58532 77-58536	35-9 35-29 35-30	1 1 1		83-33543	44B-31 44F-3 (see fig.	32-31	
77-73003 778-4B	72-2 45-15	1		83501-2 8392KC	65A-10 (see fig.	45)	
78-14112 78-14112-1 78-14274	3-6 3-7 33-5	1 1 2		84-14009 84-14009-1 84-14029	3 3 3		
78-14275 78-31010	3-2	2 4 1		84-14029-1 84-14290	3-38 3-8		
78-31013 78-31013-1 78-310161	19 19 61 <b>-</b> 12	1 1 1		84-16001 84-16001-1 84-16002	2-17		
78-310163 78-33102	61-13 (see fig. 5	1		84-16002-1 84-21001	9-1		
78-54012 78-54013	(see fig. 5 41-16 41-11	2 2		84-43807 84-54058 84-54058-1	70-38 56-14 56		
78-54027 78197	41-10 60	2		84-54190 8423.08KC	41-34 (see fig.	<del>4</del> 5)	
78198 8-250-77 8c5	60 65-21A	1 1 1		869A10TT 88-00110 88-10020	65A-16 68-35 2-27		
8DJ13ABN 8DJ13ABN24	39 <b>-</b> 33 22 22	2		88-10020-1 88-10023	2-23		
8DJ13ABN25 8DJ13ABN26 8DJ13ABN27	22 22 22	2 2 2		88-10023-1 88-13003 88-13014	7 7-38		
8E1-17-4 8036.25KC	64-10 (see fig. 1	1 (5)		88-13014-1 88-13020-2	7 7-24		
811BT4D 811@T10	41-35 33-14 36-16	3		88-13087 88-13088 88-13090	2-97 2-96 7-12	8 8	
811CT4	68-30 33-13 65-29	2		88-13337 88-13337-1 88-14066	7-29 7-30 2-99	2 4 4 1	
811CT4D 811CT45-4	23-44 20A-2A	1 3		88-14066-1 88-14069	2 2-101	1	
811CT45-6 811CT450-5	65-28 65-18 55-22	2 2		88-14069-1 88-14091 88-14091-1	2 3 3-40	3	
811CT5	33-24 33-27	6		88-14091-2 88-14091-3	3 3-41	3 2 2	
811076	35-36 36-41 33-12	7		88-14091-4 88-14091-5 88-14105	3 3-42 3-28	2 2 2	
011010	33-23 33-26			88-14201 88-14201-1	3	1	
811CT8	36-26 62-44 33-11	2		88-16035 88-21018	3-14 9-3 10-11	Ref 2	
011010	36-32	_			10-11	2	

			Numerical Inc				
PART NUMBER	FIGURE & INDEX NUMBER	QTY PER A/C	MICROFILM INDEX	PART NUMBER	FIGURE & INDEX NUMBER	QTY PER A/C	MICROFIL
88-21019	9-2	Ref		88-34040	58-10	1	
88-21044	10-10	Ref		88-34041 88-34042	58-9 58-26	1 1	
88-23012	10-14 12-7	2		88-34153-2 88-34156	57-21 19	1 6	
88-23013	12-14	1		00-34170	27-23 57-53		
88-31002-17 88-31002-18	61-5 61-15	1		88-34157	19	6	
88-31002-19 88-310173	61-17	1			27-24 57-52		
88-31027 88-31028	61-52	1		88-34158-2	57-52 57-53 57-18	1	
88-31066 88-31066-1	61-44	1		88-34159 88-34160-2	57 <b>-</b> 56	2	
88-31081 88-31081-1	61	1		88-34160-3	57-7 19	1	
88-31084 88-31105	61-47	1		88-34165	57-8 57-23	1	
88-31158	61-19	1 10		88-34169 88-34170	57-22 57-30	1	
88-31187 88-31493-2	15-25 15	6		88-34173	19	1	
88-31493-3 88-31494-2	15 15-28	4 2		88-34174	57-60 57-29	1	
88-31494-3	15-32 15-27	5		88-34176 88-42005-10	57-57 60-36	1	
88-31494-4	15-31 15-30	1		88-42005-11 88-42005-12	60-32 60-30	1 1	
88-31494-5 88-31494-6	15-26 15-29	1		88-42005-13 88-42005-2	60 <b>-</b> 28	1	
88-31611 88-31801	17A 15-5	1 NP		88-42005-3	60-31 60-35	2	
88-31826-4 88-31827-10	16-48 16	1 2		88-42005-4 88-42005-5	60-33 60-29	1	
88-31827-13	16-22	1		88-42005-6	60-27	1	
88-31827-3 88-31829-3	16-23 16-44	1 2		88-42005-7 88-42005-8	60-26 60-34	1	
88-31829-6 88-31846	16 16-4	2		88-42005-9 88-42009	60-38 62-74	1	
88-31847 88-31848	16-26 17-5	2		88-42046 88-42057	61-22 61-23	1	
88-31849 88-31858	17-6 16-30	2 2		88-42073 88-42074	60-53 60-54	1	
88-33476 88-33516	55-46 31-4	2		88-42098 88-42801	61-39 62-43	1	
88-33539	52-4 52-16	1		88-43801 88-43802	71-12 71-6	1 2	
88-33565 88-33582	3-24	2		88-43804	71-9	1	
88-33582-1 88-33590	3-25 31-43	2		88-43805 88-43806	71-8	1	
88-33591 88-33592	52-10 52	1		88-44801 88-44803	71-10 71-11	1	
88-33593 88-33594	52-15 52-39	1		88-47805 88-47806	62-20 62-19	1	
88-34002-50 88-34002-60	57-77	1		88-47807 88-47808	62-24 62-27	1 1	
88-34004-2 88-34006	57 58-8 57-68	1		88-47809 88-47810	62-5 62-33	1 1	
88-34013	19 57-59	2		88-47811 88-47813	62-39 62-4	1	
88-34015-2	58-11	1		88-47814 88-47815	62-6 62-56	1	
88-34023 88-34024	58-15 58-14	1		88-48003-3	66-57	1	
88-34025 88-34027	58-13 58-7	1		88-48011 88-48027	67 67-22	2 4	
88-34028 88-34029	58-21 58-22	1		88-48029 88-48030	67-21 67-20	2	
88-34031 88-34034	58-25 58-24	1		88-48055 88-48055-2	66-34 66-37	1	
88-34035-50 88-34035-60	58-5 58	1		88-48083 88-48092	67 66-12	2	
88-34036	58-12 57-70	1		88-51006 88-51033	65-42 3 <b>-</b> 12	2	
88-34037	58-27	Ref		88-51033-2	3-33 23-8	1	
88-34039	57-67	1		88-51313 88-51837	41-39	1	

AN 01-60FFA-1

PART NUMBER	FIGURE QTO & INDEX PER NUMBER A/O	RINDEY	PART NUMBER	FIGURE & INDEX NUMBER	PER A/C	MICROFILM
88-51841 88-51876 88-51876 88-51879 88-51883 88-52105-2 88-52105-2 88-52108 88-52205  88-52314 88-52314 88-52315-2 88-52315-2 88-52474 88-52474 88-52474 88-52474 88-52475 88-52575-2 88-52576 88-53174  88-52475 88-52575-2 88-52576 88-53339 88-54005 88-54311 88-54319 88-54320 88-54311 88-54319 88-54320 88-54374 88-54319 88-54374 88-54416 88-54416 88-54416 88-54416 88-5411-10 88-58070 88-58176  88-58176  88-58302 88-58314 88-71271-7 884-8-13 8916K689 9-196-650 900-14	3-29 23-16 23-28 23-18 23-28 23-39 25-39 25-39 25-40 25-41 9-48 26-9 4-34 26-9 4-36-11 26-15 28-30 27-5 57-6 19 27-11 2-16 2-14 19 47-30 50-24 18-29 39-36 39-36 39-36 39-36 41-38 39-16 39-26 18-27 39-28 39-36 3	111111111111111111111111111111111111111	900-9 9095 9132 9140 934-10 934-11 934-12 934-17 934-9  94-27354 94-27386 94-27386 94-27928 94-27952 94-27958 94-27960 94-32270 94-32270 94-32276 94-32276 94-32278 94-32284  94-3224 94-1123 94-1124 95-100-14ALH 95-100-14B 95-100-14C 95-100-14C 95-100-14C 95-100-15  95-100-15  95-100-16 95-100-22 95-100-22 95-100-22 95-100-22 95-100-22 95-100-27 95-100-39 95-28391 95-32303  95-32361 95-34120  97-34121 97-34123 97-34121 97-34123 99-54163	24 24 24 24 24 27 26 26 26 26 27 26 26 26 26 26 26 26 26 26 26 26 26 26	1111181111 2012100000000000000000000000000000	-50)

# SECTION IV SPECIAL SERVICE TOOL LIST

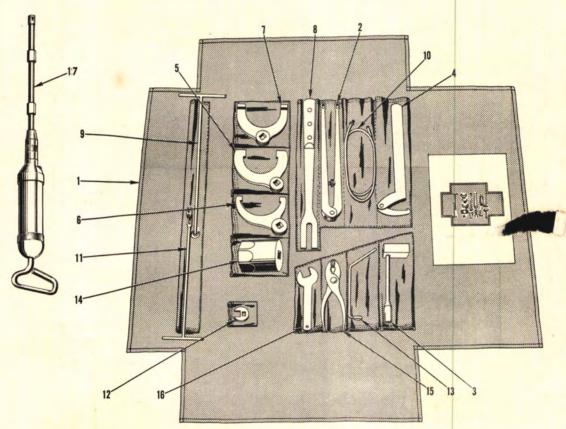


FIGURE 77 - OPERATIONAL SQUADRON TOOL KIT

FIGURE &	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	PER ASSY.	APPLICATION
	x 400 m	OPERATIONAL SQUADRON TOOL KIT		
77 -1 -2 -3 -4 -5 -6 -7 -8 -9 -10 -11 -12 -13 -14 -15 -16 -17	T950 T600 T49B T554 T86 T556 T542 T545 T516 T517 T517-2 T517-2 T546 T518 T54 T519	Kit - Operational squadron tool. Bag - Operational squadron tool Wrench Set Adjustable Spanner Wrench - Fuel tank drain plug Wrench - Adjustable spanner Wrench - Tail wheel shock strut pack nut Wrench - Landing gear and flap cylinder Wrench - Main landing gear packing nut Tool - Lower engine ring cowling install Wrench - Starter crow foot Hose - Brake bleeder Wrench - Generator open end pull Tool - Generator open end pull Wrench - Engine driven hydraulic pump Wrench - Main landing gear wheel retaining nut Wrench - Electric plug pliers Wrench - Landing gear and flap packing gland nut Gun Assy - Special 7585G check valve & nozzle (model No. 7585N) 12D40 propeller lubricating (AL)		ALL

168-73-544B

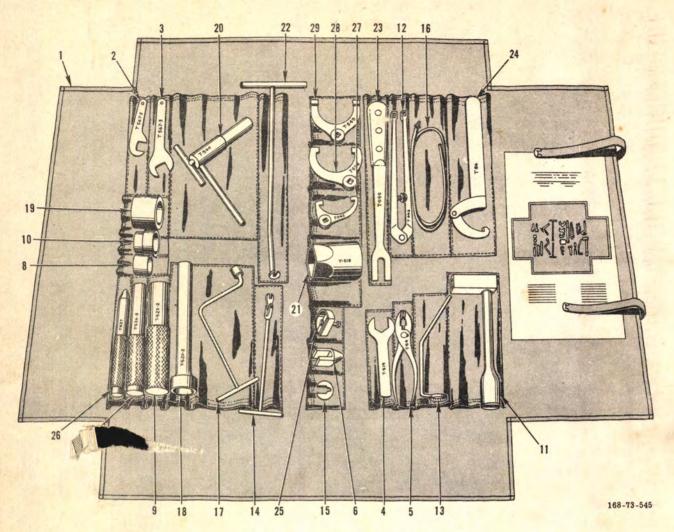


FIGURE 78 - MAJOR OVERHAUL TOOL KIT

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY.	APPLICATION CODE
Mark .		MAJOR OVERHAUL TOOL KIT		200
78	T953	Kit - Major overhaul tool	1	ALL
-1	T602	. Bag - Major overhaul tool		ALL
-2	T567-2	. Wrench - Operating piston adjustment	1	ALL
	T567-3	. Wrench - Operating piston adjustment	1	ALL
-3 -4	T519	. Wrench - Landing gear and flap cylinder packing gland nut .	1	ALL
-5	T54	. Wrench - Electrical plug pliers	1	ALL
<b>-</b> 5	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	ī	ALL
-15	T517-2	. Tool - Generator open end pull	ī	ALL
-16	T55	. Hose - Brake bleeder	ī	ALL
-17	T574	. Wrench - Main landing gear lock pin assembly	ī	ALL
-18	T520-2	. Tool - Flap piston packing injector	ī	ALL
-19	T520-3		ī	ALL
		. Tool - Flap piston packing injector	ī	ALL
-20	T560	. Wrench - Main landing gear wheel retaining nut	ī	ALL
-21	T518	. Wrench - Starter crow foot	ī	ALL
-22	T516	. Tool - Lower engine ring cowl installation	1	ALL
-23	T545	. Tool - Lower engine ring cowl installation	1	ALL
-24	т86	. 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