TEMPORARY REVISION NUMBER 2

DATED 27 JANUARY 1995

RECEIVED SEP 15 1997
R9 71253

MANUAL TITLE MODEL 170B SERIES PARTS CATALOG (1952 THRU 1956)

MANUAL NUMBER - PAPER COPY P108-12 **AEROFICHE** P108-12AF

TEMPORARY REVISION NUMBER - PAPER COPY P108TR2-12 **AEROFICHE** NA

MANUAL DATE 1 SEPTEMBER 1956 **REVISION NUMBER** NA **DATE** NA

This Temporary Revision consists of changes to the subject Parts Catalog and replaces all previously issued Revision Sheets. Pen and ink changes should be made to the paper copy of the manual and supersede the aerofiche information.

NOTE

The "R" located in the first column, of the revision sheet(s), indicates changes that have occurred since the issuance of the previous Revision Sheets and/or Temporary Revision text pages.

PAGE	FICHE/FRAME
1	A02
2	A03
3	A04
4	A05
5	A06

REASON FOR TEMPORARY REVISION

To incorporate later parts information changes to the Parts Catalog.

FILING INSTRUCTIONS FOR THIS TEMPORARY REVISION

For paper publications:

After making pen and ink changes to the Parts Catalog Pages as noted on the attached revision sheet(s) and/or Temporary Revision Text pages; file this cover sheet and the revision sheets behind the publications title page to identify the inclusion of the Temporary Revision into the manual.

For aerofiche publications:

Draw a line through any aerofiche frame (page) affected by the Temporary Revision with a permanent red ink marker. This will be a visual identifier that information in the frame (page) is no longer valid and the Temporary Revision should be referenced. Temporary Revisions should be collected and maintained in a notebook near the aerofiche library for quick reference.

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CESSNA AIRCRAFT COMPANY

MODEL 170B SERIES (1952 - 1956)

PARTS CATALOG REVISION SHEET

	Page No.	Fig. No.	Index No.	CHANGE		REMARKS
				FROM	TO	
R	5	2	21	0523005	0523005-58	
R	6	2	60	NAS383-3	S378-3L	
R	6	2	61	NAS383-2	S378-2	
R	6	3	-	0523005	0523005-58	
R	6	3	27	0523508-4	0523508-8	
R	6	3	42	0523400-14	0523400-18	
R	6	6	41	0523516-5	0720608-7	
R	8	3	79	0523234-2	0720005-1	
R	8	3	109	Not Listed	0523004-11	"Right"
R	9	4	2	0523007-2	0523005-21	
R	10	5	21	0523811	0523811-1	
R	13	6	26	0523914-2	0523914-0	
R	16	8	33	0523400-15	0523400-19	
R	18	8	69	0523234-2	0720005-1	
R	19	9	2	0523007-1	0523005-22	
	21	10	10	F34-14	S1819-3	
R	21	10	21	0523811-1	0523811-0	
R	21	10	22	0523812	0523812-3	
R	23	11	26	0523914-2	0523914-0	
R	24	12	5	0523606-10	0523606-12	
R	24	12	5	0523606-11	0523606-13	
R	24	12	7	0523609	0523613-1	
R	24	12	12	AN426AD10	AN426AD10-30	
R	27	14	21	0523005-2	0532005-2	
	27	14	59	0332136-4	0332136-3	
R	27	14	59	Not Listed	52-3-551	
	27	14	60	Not Listed	52-3-551	
R	31	16	6	KS4	MS27645-4	
R	31	16	7	AR4-1	MS24462-4	
R	33	17	6	49390	S878-1	
	34	18	6	0511000-24	- - - - - - - -	Refer to Notes, Page 5
R	37	19	31	0510114-20	0791300-5	
R	37	19	32	0510113-3	0510113-5	
	37	19	35	0510114-21	0791300-6	
	39	20	26	0513009-2 LH	0513009-2 RH	
	39	20	26	0513009-3 RH	0513009-3 LH	
R	39	20	29	0510114-20	0791300-5	
	39	20	33	0510114-21	0791300-6	
R	41	21	3	0411129-	S204	
R	41	21	46	0713495-19	0713495-63	
R	41	21	52	0713495-51	0713495-21	

Please update your parts catalog as shown above.

P108-12 Temporary Revision Number 1
27 January 1995

CESSNA AIRCRAFT COMPANY

MODEL 170B SERIES (1952 - 1956)

PARTS CATALOG REVISION SHEET

	Page No.	Fig. No.	Index No.	CHANGE		REMARKS
				FROM	TO	
	41	21	54	0713495-26	0713495-18	
	41	21	55	0713495-18	0713495-26	
R	41	21	56	0713495-20	0713495-64	
R	41	21	56	0713495-4	0713495-8	
R	41	21	56	0713495-58	0713495-18	
R	41	21	56	0713495-5	0742115-25	
R	41	21	57	0713495-52	0713495-60	
R	43	22	11	0311001-27	S350	
R	45	23	1	0591200-56	0512000-36	
R	45	23	18	0512000-73	0512000-79	
	49	25	31	0512154-1	- - - - - - - -	No Longer Available
R	52	27	29	0541117-12	95-23482	
	57	31	12	0311710	0311710-6	
	57	31	16	- - - - - - - -	- - - - - - - -	Refer to Notes, Page 6
R	57	31	22	59-022-044-37S	59-022-094-375	
R	61	33	26	0511227	0511227-4	
R	61	33	58	0511106-105	S1005-84	
R	63	34	3	0511106-91	0511106-142	
R	63	34	21	0511227-1	0511227-5	
R	63	34	46	O511106-105	S1005-84	
R	63B	34A	3	0511106-151	0511106-164	
R	63B	34A	10	0511106-158	0511106-166	
R	63B	34A	21	0511227-1	0511227-5	
	65	35	26	- - - - - - - -	- - - - - - - -	Refer to Notes, Page 6
	65	35	27	- - - - - - - -	- - - - - - - -	Refer to Notes, Page 6
	65	35	28	- - - - - - - -	- - - - - - - -	Refer to Notes, Page 6
R	67D	36A	41	0500103-40	05001003-60	
	69	37	20	0411090-3	0411090-1	
R	73	41	4	0411086-10	0411086-15	
R	73	41	6	0411008-2	0713068-2	
R	73	41	7	0411087-23	0450017-10	
R	75	42	13	0411090-12	0411090-8	
	75	42	15	0411090-9	0411090-7	
R	75	42	16	0411090-10	0411090-22	
	75B	42A	16	0411090-8	0411090-22	
	75B	42A	13	0411090-8	0411090-22	
	75D	42B	37	A1181-6Z-3	NAS446-2	
R	77	44	2	0411086-10	0411086-15	
R	77	44	4	0411008-2	0713068-2	
	79	46	2	0411098-6	DM 7653	
	83	48	10	0552002-1	0552002-68	

R

Please update your parts catalog as shown above.

CESSNA AIRCRAFT COMPANY

MODEL 170B SERIES (1952 - 1956)

PARTS CATALOG REVISION SHEET

	Page No.	Fig. No.	Index No.	CHANGE		REMARKS
				FROM	TO	
	83	48	11	0552002-2	0552002-71	
R	83	48	26	0552002-51	0595000-6	
R	83B	48A	11	0552002-71	0552002-68	
R	85	49	14	0550158	S1104-3	
	87	50	11	S-51-10-12	S51-10	
R	87	50	13	0550159	0550179-1	
	87	50	35	0450320-29	No Change	Add: Order AD79-9-2 (Bulk)
	87	50	36	0450320-28	No Change	Add: Order 9AX11-2 (Bulk)
	91	52	-	Not Listed	SK170-1	
R	91	52	11	0450171	0550117	
	93	53	-	Not Listed	SK170-2	
	94	54	22	0450320	0450320-16	Order AD79-9-2D (Bulk)
R	97	57	22	035112-8	035112-5	
	100	59	4	AN515-10R8	1024X1/2	
R	105	63	37	0511191	0511191-1	
R	106	64	7	AF934-5	M829513-10	
	107	65	5	A114	S378-4	
R	107	65	12	BB-208	S378-3L	
	107	65	17	BB-208	S378-3L	
	107	65	27	#6	S338-10	
R	107A	65	22	#6	S338-10	
	107B	65A	3	Deleted	0311323-4	Chain
	107B	65A	4	Deleted	0742200-6	Clip
R	109	66	15	NAS383-4	S378-4	
R	109	66	19	AN210-4B	S378-4	
R	109	66	26	AN210-4B	S378-4	
R	109	66	31	AN210-4B	S378-4	
R	109	66	35	AN210-4B	S378-4	
R	109	66	45	F-140	S394	
R	109	66	51	NAS383-3	S378-3L	
R	111	67	11	NAS383-3	S378-3L	
R	111	67	17	NAS383-3	S378-3L	
R	113	68	30	AN163-16L	AN165-16RL	
R	113	68	35	NAS383-2	S378-2	
R	113	68	47	AN210-2B	S378-2	
R	113	68	53	AN383-2	S378-2	
R	113A	68	69	NAS43HT-5-36	NAS42HT-5-36	
R	113A	68	70	NAS42DD-4-16	NAS42-4-16	
	117	70	28	0411021-1	0712603-1	
R	117A	70A	3	0411062-2	0411062-4	
	124E	72B	22	0500027-1	0500027-4	Cessna

R

Please update your parts catalog as shown above.

CESSNA AIRCRAFT COMPANY

MODEL 170B SERIES (1952 - 1956)

PARTS CATALOG REVISION SHEET

	Page No.	Fig. No.	Index No.	CHANGE		REMARKS
				FROM	TO	
	124E	72B	22	Not Listed	0500027-5	(170)
	133	76	24	- - - - - - - -	- - - - - - - -	Refer To Notes, Page 6
R	135	77	30	0513004-26	0513004-10	
	135	77	31	Not Listed	0513004-10	Add:3rd Col, above Card-Com.
R	139	79	23	05130004-26	0513004-10	
R	140	80	9	0513004-26	0513004-10	
	143	82	23	0552001-60	No Change	Add, in Desc: Not Part of Kit
	143	82	24	AN515-8R5	No Change	Add, in Desc: Not Part of Kit
	143	82	25	AN365-832	No Change	Add, in Desc: Not Part of Kit
	150	89	-	53-3-832	52-3-832	
R	153	91	3	0511231-19	0511231-140	
R	153	93	1	AN2552-2	AN2552-3A	
R	153	93	2	0513034-1	0513034-2	
R	155	94	17	0442010-2	0442010-36	
R	155	94	24	0442006-21	0442006-11	
R	155	94	25	0442006-22	0442006-11	
R	157	95	5	MS28741-4-010	S1167-4-0100	
	157	95	14	0441150-8	No Change	Delete: "Tire" in Description
	157	95	15	0441150-9	No Change	Delete: "Tire" in Description
	157	95	19	0541116-37	- - - - - - - -	No Longer Available
	157	95	19	0541116-38	- - - - - - - -	No Longer Available
	157	95	20	6:00 X 6	0441016-24	(1st Column)
	157	95	21	6:00 X 6	0441016-13	(1st Column)
R	157	95	30	C2311-27	0341005-66	
	157	95	56	0541116-41	95-30593	
	157	95	57	0541116-42	95-5383	
	158	95	69	0541117-7	0541116-36	
	158	95	70	#10-24NCX7/8	95-5163	
R	158	95	71	AN936C10	95-5163	
R	159	97		AK70B52-1	AK70B53-4	
R	159	97		AK7054-1	AK8053-13	
R	161	100	1	0441143-12	0441143-50	
R	161	100	8	0441143-13	0441143-51	

Please update your parts catalog as shown above.

NOTES

PG	Figure	Index No.	P/N	Remarks:
34	18	6	P/N 0511000-24	Cap only. Refer to Page 104, Figure 63, Item #1, for vent system.
57	31	16	0500101-45	Change Serial 26039 thru 26054 to read 26039 thru 26300.
			0500102-45	Change Serial 26505 thru 26995 to read 26301 thru 26995.
65	35	26		Change Serial 25372 to 20524, and "& on " to "thru 25372".
65	35	27		Change Serial 25372 to 20524, and "& on " to "thru 25372.
65	35	28		Change Serial 25372 to 20524, and "& on " to "thru 25372.
133	76	24		Use 2each AN844-6D elbow 1 each S51-6-13 hose 2 each NAS 397-12 clamp

Please update your parts catalog as shown above.

TEMPORARY REVISION NUMBER 1

DATED 5/01/92

R9712533

MANUAL TITLE MODEL 170B SERIES PARTS CATALOG (1952 THRU 1955)

MANUAL NUMBER - PAPER COPY P108-12 **AEROFICHE** P108-12AF

TEMPORAARY REVISION NUMBER - PAPER COPY P108TR1-12 **AEROFICHE** N/A

MANUAL DATE OCTOBER 1954 **REVISION NUMBER** _____ **DATE** _____

This Temporary Revision consists of the following pages, which effect and replace existing pages in the paper copy manual and supersede aerofiche information.

PAGE	FICHE/FRAME
21	1 C8

REASON FOR TEMPORARY REVISION

To correct part number of Aileron Push Pull Rod End

FILING INSTRUCTIONS FOR THIS TEMPORARY REVISION

For paper publications:
File this cover sheet behind the publication's title page to identify the inclusion of the Temporary Revision into the manual. Insert the new pages into the publication at the appropiate location(s) and remove and discard the superseded pages.

For aerofiche publications:
Draw a line through any aerofiche frame (page) affected by the Temporary Revision with a permanent red ink marker. This will be a visual identifier that the information in the frame (page) is no longer valid and the Temporary Revision should be referenced. Temporary Revisions should be collected and maintained in a notebook near the aerofiche library for quick reference.

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FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y	
10-	No Number	Aileron Installation - Right wing (see figure 7 for NHA) (0523800 Ref)	Ref	
-1	0523223-1	. Bellcrank Assembly - Aileron	1	
-2	0422280	. . Bushing	2	
-3	B610K	. . Bearing - Torrington	2	
-4	0522629	. Washer	1	
-5	AN4-42A	. Bolt - (Attach bellcrank)	2	
-6	AN365-428	. Nut - (Attach bellcrank)	2	
-7	0523221	. Bushing - (Attach bellcrank)	1	
-8	0523222	. Bushing - Bellcrank stop	1	
	0523218	. Rod Assembly - Aileron push-pull	1	
-9	0523218-2	. . Rod - Aileron push-pull	1	R
-10	S1819-3	. . End - Rod	2	
-11	AN316-4R	. . Nut - Check	2	
-12	AN3-7A	. Bolt - (Attach aileron push-pull rod)	2	
-13	AN365-1032	. Nut - (Attach aileron push-pull rod)	2	
-14	NAS229-8	. Screw - (Attach aileron hinge to wing)	12	
-15	AN365-1032	. Nut - (Attach aileron hinge to wing)	12	
-16	0523800-1	. Aileron Assembly - Right wing	1	
-17	0523806-1	. . Spar - Right aileron	1	
-18	0523808-2	. . Rib #1 - Aileron	2	
-19	0523809-1	. . Rib #2 - Right aileron (not available for spares)	1	
-20	0523810	. . Rib #3 - Aileron (not available for spares)	1	
-21	0523811-1	. . Rib #4 - Aileron	1	
-22	0523812	. . Bracket - Control	1	
-23	NAS-446-163C-4-8	. . Rivet - (Attach bracket)	6	
-24	0523814	. . Bracket - (Attach aileron weight)	1	
-25	0523814-2	. . Bracket - (Attach aileron weight)	1	
-26	0721108	. . Weight - Aileron balance	2	
-27	0523800-7	. . Skin - Upper right inboard (not available for spares)	1	
-28	0523800-9	. . Skin - Upper right outboard	1	
-29	0523800-11	. . Skin - Lower right inboard (not available for spares)	1	
-30	0523800-13	. . Skin - Lower right outboard	1	
-31	0523813-1	. . Spacer	1	
-32	0523813-3	. . Spacer	1	
-33	0523813-6	. . Spacer	1	
-34	0523813-7	. . Spacer	1	
-35	0523807	. . Hinge Assembly - Aileron	3	

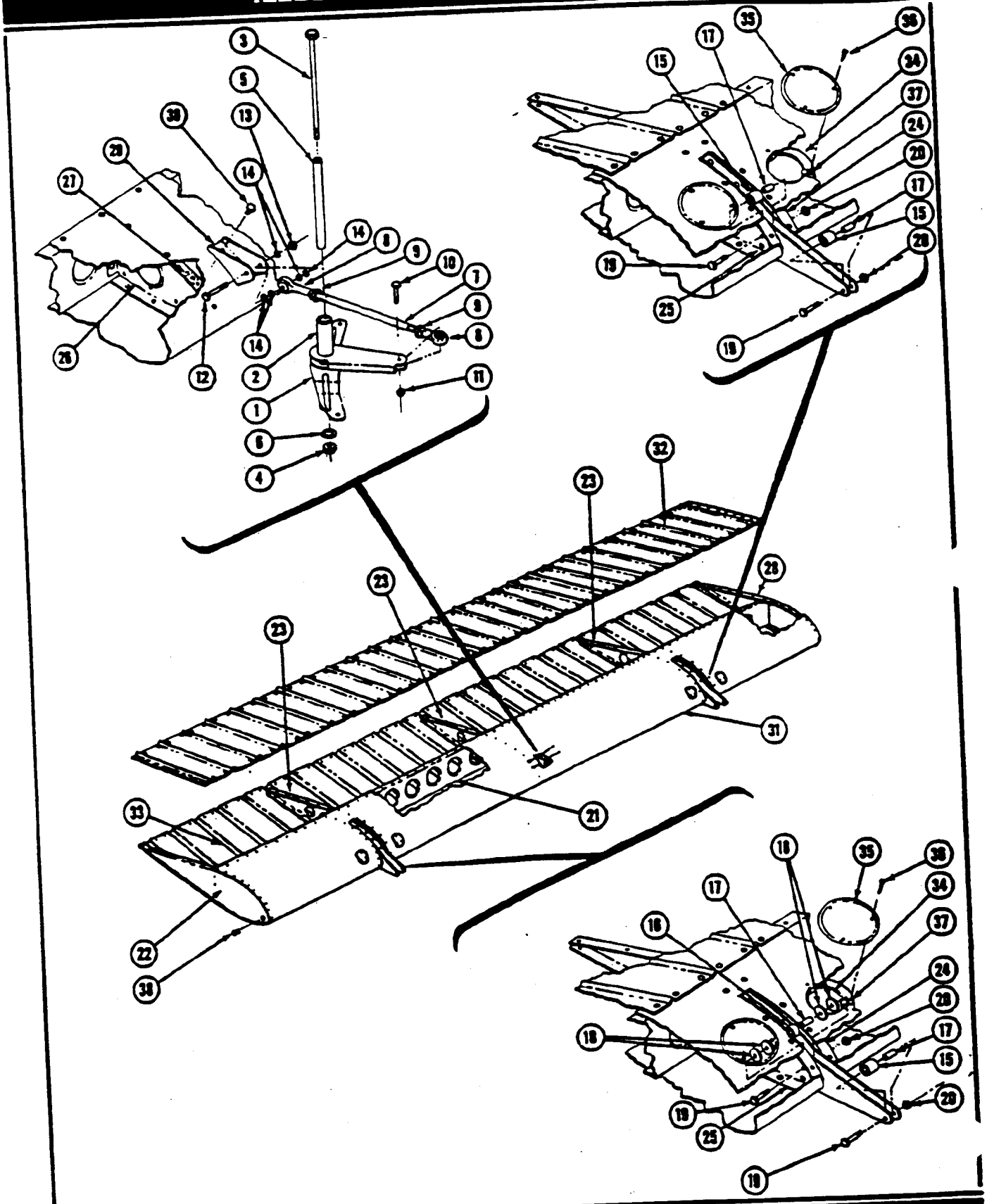

FIGURE 11. RIGHT FLAP INSTALLATION

Cessna®

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PARTS CATALOG REVISIONS

REFERENCE CATALOG NUMBER: P108-12 DATE: Feb. 26, 1971

CATALOG TITLE: 170B

TO: All Distributors and Dealers

FROM: Service Parts Center

TO ELIMINATE SHIPMENTS OF INCORRECT PARTS, PLEASE CORRECT YOUR CATALOG IMMEDIATELY AS SHOWN BELOW.

CAT.	PAGE	FIG.	INDEX	CHANGE		REMARKS
				FROM	TO	
170B	107	65	27	NO6	S338-10	Fairlead

Form 924

The Cessna Aircraft Company
Wichita, Kansas

Model 170
(P108-12)
Feb 16, 1965

Catalog Revisions

PLEASE CORRECT CATALOG AS SHOWN BELOW

Cat.	Page	Fig.	Index	CHANGE FROM	CHANGE TO	REMARKS
170	39	20	26	0513009-2	Change from Left to Right	
	39	20	26	0513009-3	Change from Right to Left	

TO ELIMINATE SHIPMENTS OF INCORRECT PARTS PLEASE CORRECT CATALOGS IMMEDIATELY.

Form 924

The Cessna Aircraft Company
Wichita, Kansas

Sept. 1, 1956
Model 170B

Catalog Revisions

PLEASE CORRECT CATALOG AS SHOWN BELOW

Cat.	Page	Fig.	Index	CHANGE FROM	CHANGE TO	REMARKS
170B	87	50	36	0450320-28		Order 9AX11-2 (Bulk)
	91	52		No Number	SK170-1	Engine baffle kit
	93	53		No number	SK170-2	Engine baffle kit
	94	54	22	0450320	0450320-16	Order AD79-9-2D (Bulk)
	100	59	4	AN515-10R8	1024 x 1/2	
	107B	65A	3	Deleted	0311323-4	Chain
	107B	65A	4	Deleted	0742200-6	Clip
	117	70	28	0411021-1	0712603-1	
	124E	72B	22	0500027-1	0500027-4	Cessna
					0500027-5	(170)
	135	77	31		0513004-10	Panel- Add in same column and directly above "Card-Compass"
	143	82	23			0552001-60 Not part of kit
		82	24			AN515-8R5 Not part of kit
		82	25			AN365-832 Not part of kit
	150	89		53-3-832	52-3-832	
	157	95	56	0541116-41	95-30593	
	157	95	57	0541116-42	95-5383	
	158	95	69	0541117-7	0541116-36	
	158	95	70	#10-24 NC x 7/8	95-5163	
	157	95	14	0441150-8		Delete "Tire" in description
	157	95	15	0441150-9		Delete "Tire" in description
	157	95	19	0541116-37		Delete - Not Available
	157	95	19	0541116-38		Delete - Not Available

TO ELIMINATE SHIPMENTS OF INCORRECT PARTS
PLEASE CORRECT CATALOGS IMMEDIATELY.

Form 924

The Cessna Aircraft Company

Wichita, Kansas

Sept. 1, 1956
Model 170B

Catalog Revisions

PLEASE CORRECT CATALOG AS SHOWN BELOW

Cat.	Page	Fig.	Index	CHANGE FROM	CHANGE TO	REMARKS
170B	157	95	20	6:00 x 6	0441016-24	Move indentation to first column
	157	95	21	6:00 x 6	0441016-13	Move indentation to first column
	113A	68	69	NAS43HT-5-36	NAS42HT-5-36	Spacer
	34	18	6	0511000-24		Cap only. Refer to page #104, figure 63, item #1 for vent system
	41	21	54	0713495-26	0713495-18	Per revision notice of 11-58
	41	21	55	0713495-18	0713495-26	
	133	76	24	0500106-57	See remarks	Use 2 each AN844-6D elbow 1 each S51-6-13 hose 2 each NAS 397-12 clamp Per revision notice of 7-11-60

TO ELIMINATE SHIPMENTS OF INCORRECT PARTS
PLEASE CORRECT CATALOGS IMMEDIATELY.

Form 924

The Cessna Aircraft Company

Wichita, Kansas

Sept. 1, 1956
Model 170B

Catalog Revisions

PLEASE CORRECT CATALOG AS SHOWN BELOW

Cat.	Page	Fig.	Index	CHANGE FROM	CHANGE TO	REMARKS
170B	27	14	59	0332136-4	0332136-3	
	27	14	60		52-3-551	Abrasion boot kit (Add)
	37	19	31	0510115-20	0791300-5	
	37	19	35	0510114-21	0791300-6	
	39	20	29	0510114-20	0791300-5	
	39	20	33	0510114-21	0791300-6	
	49	25	31	0512154-1		Delete
	57	31	12	0311710	0311710-6	
	57	31	16	0500101-45		Change Serial 26039 thru 26504 to read 26039 thru 26300.
				0500102-45		Change Serial 26505 thru 26995 to read 26301 thru 26995.
	65	35	26	25372	20524	Serial number change
				on	25372	Serial number change
	65	35	27	25372	20524	Serial number change
				on	25372	Serial number change
	65	35	28	25372	20524	Serial number change
				on	25372	Serial number change
	75	42	15	0411090-9	0411090-7	
	79	46	2	0411098-6	DM 7653	
	83	48	10	0552002-1	0552002-68	
	83	48	11	0552002-2	0552002-71	
	87	50	11	S-51-10-12	S51-10	
	87	50	35	0450320-29		Order AD79-9-2 (Bulk)

TO ELIMINATE SHIPMENTS OF INCORRECT PARTS
PLEASE CORRECT CATALOGS IMMEDIATELY.

CESSNA AIRCRAFT COMPANY

Wichita, Kansas

September 1,1956

THIS SUPERCEDES ALL PREVIOUS MODEL 170B PARTS CATALOGS

P108-12-RPC-100-4/92

FOREWORD

This illustrated Parts Catalog has been prepared to aid you in easily and quickly identifying parts of the Cessna 170B Series airplanes. To simplify the organization of the parts listings, the catalog has been divided into two sections. The first section contains all of the major assemblies, sub-assemblies, and parts of a standard equipped airplane. The second section consists of the Optional Equipment offered by Cessna for the 170B airplane.

INDEXES

This catalog features an index system consisting of:

1. An Alphabetical Index located in the front of the catalog.
2. A Pictorial Index, provided in Figure 1. - Airplane Assembly.
3. A Numerical Index located in the back of the catalog.
4. In the Numerical Index, each standard part is listed only under the first figure on which it is required, regardless of how often it appears in the catalog.

VENDORS NUMBERS

The use of vendor's numbers have been discontinued wherever possible. In their place, Cessna numbers have been assigned. This change has been made for the convenience and protection of all concerned. Vendors occasionally change their numbers or re-design their parts. When this happens, the vendor's numbers shown in the catalog are obsolete. This causes confusion and delay in filling your order. However, if the part is ordered under a Cessna part number, the correct part is shipped regardless of any change of the vendor's number.

STANDARD PARTS

For standard hardware items such as Tinnerman nuts, clamps, etc., "AN" and "NAS" numbers have been used. The vendor's numbers are also used to aid you in identifying the correct parts.

SERIAL LISTING

When a part is not used on all airplanes covered by this catalog, the serials of the airplanes, for which it is applicable, will be noted after the nomenclature of the part.

NON-INTERCHANGEABLE PARTS.—— When the new and old style parts are not interchangeable, the applicable airplane serials for both parts will be listed and care should be exercised to be sure you are ordering the correct parts for a specific airplane.

INTERCHANGEABLE PARTS.—— When the new style part is completely interchangeable with the old style part, both parts will be serialized, and the notation ("When exhausted use____") will be entered immediately following the serial listing of the old style part. This means that the old style part should be used on the airplanes to which they apply until the supply of these parts have been exhausted - after which time, the new style parts should be used. This is done to simplify the stocking of parts by our distributors and dealers. The old style part is just as good, physically and functionally, as the new style part - the only difference being that the new style part can be used on more than one block of airplane serials.

SYMBOLS

NHA - The symbol "N.H.A." is an abbreviation for "Next Higher Assembly."

REF - The use of "Ref" in the "units per assembly column" denotes an item that is entered for reference purposes only. This item is a part of some assembly or sub-assembly listed elsewhere in the catalog. In each case, the figure listing the requirements of this item is shown in paranthesis immediately following the nomenclature.

AR - The symbol "A.R." (as required) is used to indicate bulk quantity where an indefinite amount is used.

PART NUMBER TERMS

Any part with its number appearing in the catalog may be ordered.

When the term "Deleted" appears, it means the part has been used previously but is no longer required.

When the term "No Number" appears, it means it is impractical to sell these parts as separate items. However, some vendors items listed in this manner may be purchased by contacting the vendor.

HOW TO ORDER

USE YOUR CATALOG TO ORDER PARTS. Use Parts and Accessories order form Number 807 or 808, which will be supplied by CESSNA on request. Give complete information on addresses and make sure that part number and part name are as shown in the catalog. Be sure to state quantities.

Be sure to specify how the order is to be shipped, otherwise it will be sent out in the manner that seems best to the shipper. Be sure to indicate model and serial number of the airplane. Serial number is very important to properly identify parts used on each airplane. Where color is involved, be sure to specify what color.

Factory hours are 7:30 A.M. to 4:00 P.M. Monday through Friday. All orders will be processed promptly within the above hours and in most cases will be shipped on the day received or on the following working day.

DISTRIBUTOR ORDERS

Distributors will send all orders to the factory with instructions as to the shipping destination. The factory prefers not to make C.O.D. shipments for the distributor and all billing will be made to the distributor in the case of direct shipments.

DEALER ORDERS

Dealers will place all of their parts order requirements with their distributor. The factory will not honor orders received directly from a dealer. It will be necessary for us to forward it to the distributor for his action. Therefore, dealer orders sent direct to the distributor will result in much faster delivery on any parts that are required.

RETAIL ORDERS

Retail orders will not be honored by the factory. They are to be placed with the dealer or distributor in the owner's territory and when received directly by the factory will be forwarded to the distributor from whose territory it was received. Considerable saving in time will again result to the owner if his orders are placed with his dealer or distributor.

STANDARD PAINT COMBINATIONS
Model 170B

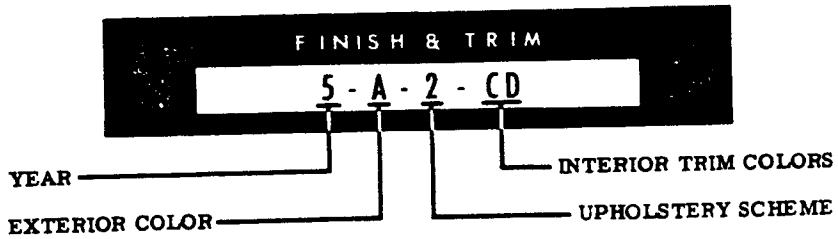
YEAR	EXTERIOR	INTERIOR	INTERIOR TRIM	ENGINE COMPARTMENT FINISH
1957	INSIGNIA RED 5500 / SERGE BLUE 6600	LIMA TAN 6600 / LIMA TAN 6600	MATADOR RED 6600 / SERGE BLUE 6600	GULL GRAY ENAMEL 95-9375 SYNTHETIC
1953	INSIGNIA RED 5500 / SERGE BLUE 6600	NEW LIMA TAN 23-8642 / NEW LIMA TAN 23-8642	NEW LIMA TAN 23-8642 / NEW LIMA TAN 23-8642	GULL GRAY ENAMEL 95-9375 SYNTHETIC
1954	DEEP RED 27-10023 / DEEP BLUE 27-10024	TROOPER TAN E23-9691 / TROOPER TAN E23-9691	VICTORIA MAROON E23-10020 / YOSEMITE BLUE E23-10019	GULL GRAY ENAMEL 95-9375 SYNTHETIC

FINISH & TRIM PLATE

Effective with the 1955 model 170B, a "FINISH AND TRIM" plate has been installed on the left rear door post directly below the M.A.A. name plate.

This plate indicates the model year, exterior paint color, upholstery scheme and interior trim colors.

The following diagram is an examble showing the sequence and definition of each code symbol on the "FINISH AND TRIM" plate.



FINISH & TRIM NUMBER (5 - A - 2 - CD)
"5" = 1955 Model
"A" = Welsh Green Exterior Color
"2" = Rust & Tan Upholstery
"CD" = Trooper Tan & Autumn Rust Interior Trim

CODE CHART
PAINT & UPHOLSTERY COMBINATIONS
Model 170B

YEAR CODE	EXTERIOR PAINT CODE	EXTERIOR PAINT COLOR	UPHOLSTERY CODE	UPHOLSTERY COLOR	INTERIOR TRIM CODE	INTERIOR TRIM COLOR
5	A	WELSH GREEN 27-11457	2	RUST & TAN	C	TROOPER TAN E23-9691
	B	CYPRIA METALLIC RED 27-10892			D	AUTUMN RUST 27-10894
	F	CHARTREUSE 27-11611	3	BLUE & GREY	E	YOSEMITE BLUE E23-10019
	G	TURQUOISE 27-11610				
6	A	PARCHMENT WHITE 27-12098	2	BLUE & IVORY	F	SHADOW BLUE 27-12319
	B	SCANDIA BLUE 27-12551			G	BLACK (GLOSS) 27-515
	C	STRATO BLUE 27-12552	3	RED & IVORY	H	PARCHMENT WHITE 27-12098
	D	CARDINAL RED 27-13601				
	E	BURMA GOLD 27-12555				

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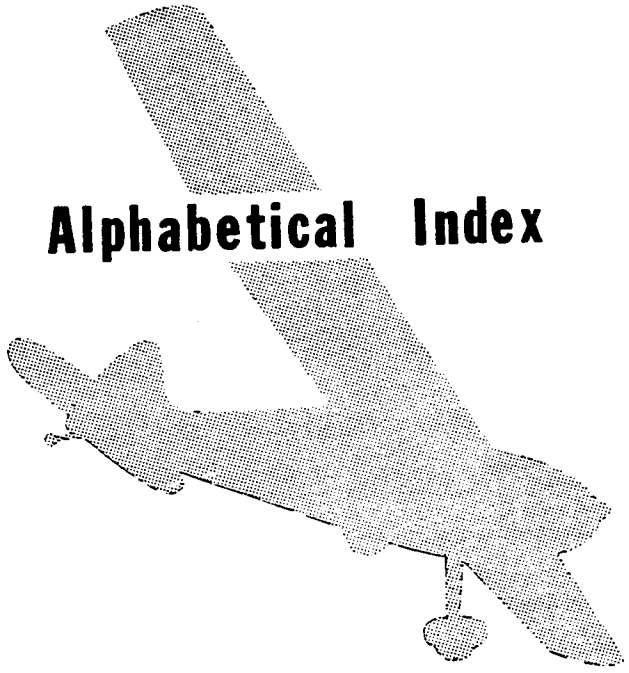

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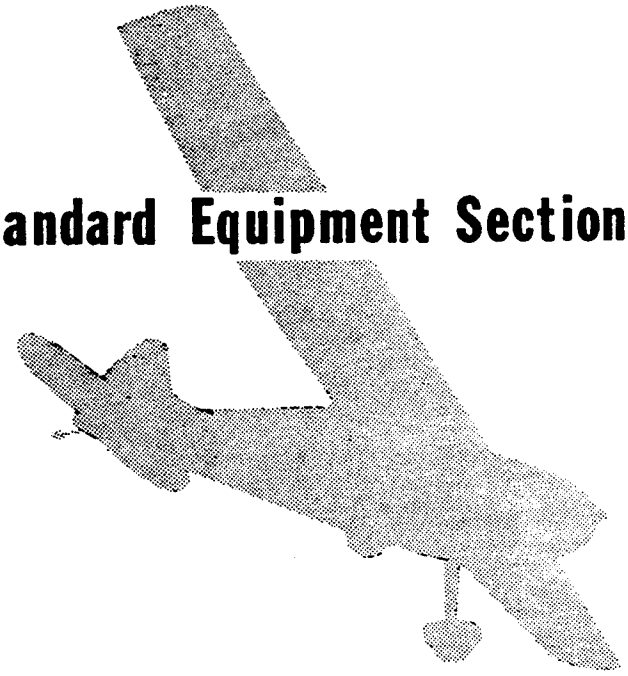

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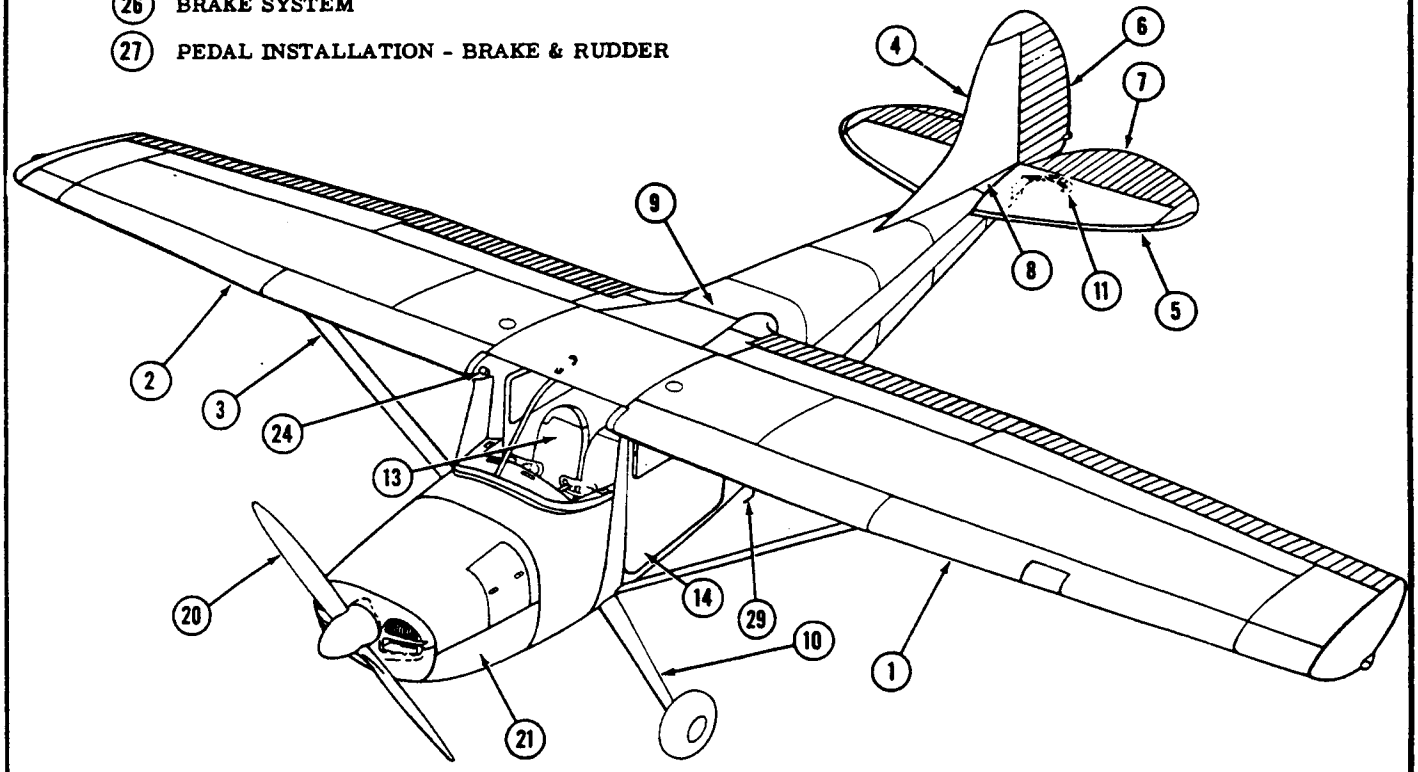
(15) UPHOLSTERY INSTALLATION
(16) STATIONARY INSTRUMENT PANEL EQUIPMENT INSTALLATION
(17) SHOCK MOUNTED INSTRUMENT PANEL INSTALLATION
(18) STATIONARY INSTRUMENT PANEL EQUIPMENT INSTALLATION
(19) SHOCK MOUNTED INSTRUMENT PANEL INSTALLATION
(22) ENGINE INSTALLATION
(23) CABIN HEATER INSTALLATION
(25) FIREPROOF GROMMET INSTALLATION
(26) BRAKE SYSTEM
(27) PEDAL INSTALLATION - BRAKE & RUDDER



(28) CONTROL TEE INSTALLATION
(30) FUEL & OIL SYSTEM
(31) RUDDER CONTROL SYSTEM
(32) TAILWHEEL STEERING CONTROL SYSTEM
(33) AILERON CONTROL SYSTEM
(34) ELEVATOR CONTROL SYSTEM
(35) FLAP CONTROL SYSTEM
(36) ELEVATOR TAB CONTROL SYSTEM
(37) FUSELAGE ELECTRICAL EQUIPMENT & WIRING INSTALLATION
(38) ELECTRICAL WIRING DIAGRAM
(39) DECALS, PLACARDS, & EXTERIOR MARKINGS INSTALLATION

FIGURE 1. AIRPLANE ASSEMBLY

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
1-	0500010	Airplane Assembly	1
-1	See Figure 2	. Wing Installation - Left	1
-2	See Figure 7	. Wing Installation - Right	1
-3	See Figure 12	. Strut Installation - Wing	1
	No Number	. Empennage Installation	1
-4	See Figure 13	. . Fin & Dorsal Installation	1
-5	See Figure 14	. . Stabilizer Installation	1
-6	See Figure 15	. . Rudder Installation	1
-7	See Figure 16	. . Elevator Installation	1
-8	0530009	. Fairing - Empennage LH	1
	0530009-1	. Fairing - Empennage RH	1
	PK76XZ-8-8	. Screw - (Attach fairing)	6
-9	See Figure 17	. Fuselage Assembly	1
-10	See Figure 26	. Landing Gear Installation	1
-11	See Figure 28	. Tailwheel Installation - (Serial 20267 thru 20805)	1
	See Figure 29	. Tailwheel Installation - (Serial 20806 & on)	1
-12	See Figure 31	. Seat Installation - Rear	2
-13	See Figure 32	. Seat Installation - Front	1
-14	See Figure 33	. Door Installation - Cabin LH	1
	See Figure 34	. Door Installation - Cabin RH (serial 20267 thru 26995)	1
	See Figure 34A	. Door Installation - Cabin RH (serial 26996 & on)	1
-15	See Figure 35	. Upholstery Installation - (Serial 20267 thru 25372)	1
	See Figure 36	. Upholstery Installation - (Serial 25373 thru 26995)	1
	See Figure 36A	. Upholstery Installation - (Serial 26996 & on)	1
-16	See Figure 37	. Stationary Instrument Panel Equipment Installation - (Serial 20267 thru 25372)	1
-17	See Figure 40	. Shock Mounted Instrument Panel Installation - (Serial 20267 thru 25372)	1
-18	See Figure 42	. Stationary Instrument Panel Equipment Installation - (Serial 25373 thru 26038)	1
	See Figure 42A	. Stationary Instrument Panel Equipment Installation - (Serial 26039 thru 26995)	1
	See Figure 42B	. Stationary Instrument Panel Equipment Installation - (Serial 26996 & on)	1
-19	See Figure 43	. Shock Mounted Instrument Panel Installation - (Serial 25373 & on)	1
-20	See Figure 46	. Propeller Installation	1
-21	See Figure 47	. Engine Cowl Installation - (Serial 20267 thru 25372)	1
	See Figure 48	. Engine Cowl Installation - (Serial 25373 thru 26995)	1
	See Figure 48A	. Engine Cowl Installation - (Serial 26996 & on)	1
-22	See Figure 49	. Engine Installation	1
-23	See Figure 54	. Cabin Heater Installation - (Serial 20267 thru 25372)	1
	See Figure 55	. Cabin Heater Installation - (Serial 25373 & on)	1
-24	See Figure 56	. Cabin Ventilation System	1
-25	See Figure 57	. Fireproof Grommet Installation	1
-26	See Figure 58	. Brake System	1
-27	See Figure 60	. Pedal Installation - Brake & rudder (serial 20267 thru 26995)	1
	See Figure 60A	. Pedal Installation - Brake & rudder (serial 26996 & on)	1
-28	See Figure 61	. Control Tee Installation - (Serial 20267 thru 26995)	1
	See Figure 61A	. Control Tee Installation - (Serial 26996 & on)	1
-29	See Figure 62	. Pitot System	1
-30	See Figure 63	. Fuel & Oil System	1
-31	See Figure 65	. Rudder Control System	1
-32	See Figure 65A	. Tailwheel Steering Control System - (Serial 26505 & on)	1
-33	See Figure 66	. Aileron Control System	1
-34	See Figure 67	. Elevator Control System	1
-35	See Figure 68	. Flap Control System	1
-36	See Figure 69	. Elevator Tab Control System	1
-37	See Figure 70	. Fuselage Electrical Equipment & Wiring Installation	1
-38	See Figure 71	. Electrical Wiring Diagram - (Serial 20267 thru 25372)	1
	See Figure 72	. Electrical Wiring Diagram - (Serial 25373 thru 26995)	1
	See Figure 72A	. Electrical Wiring Diagram - (Serial 26996 & on)	1
-39	See Figure 72B	. Decals, Placards & Exterior Markings Installation	1

ILLUSTRATED PARTS CATALOG

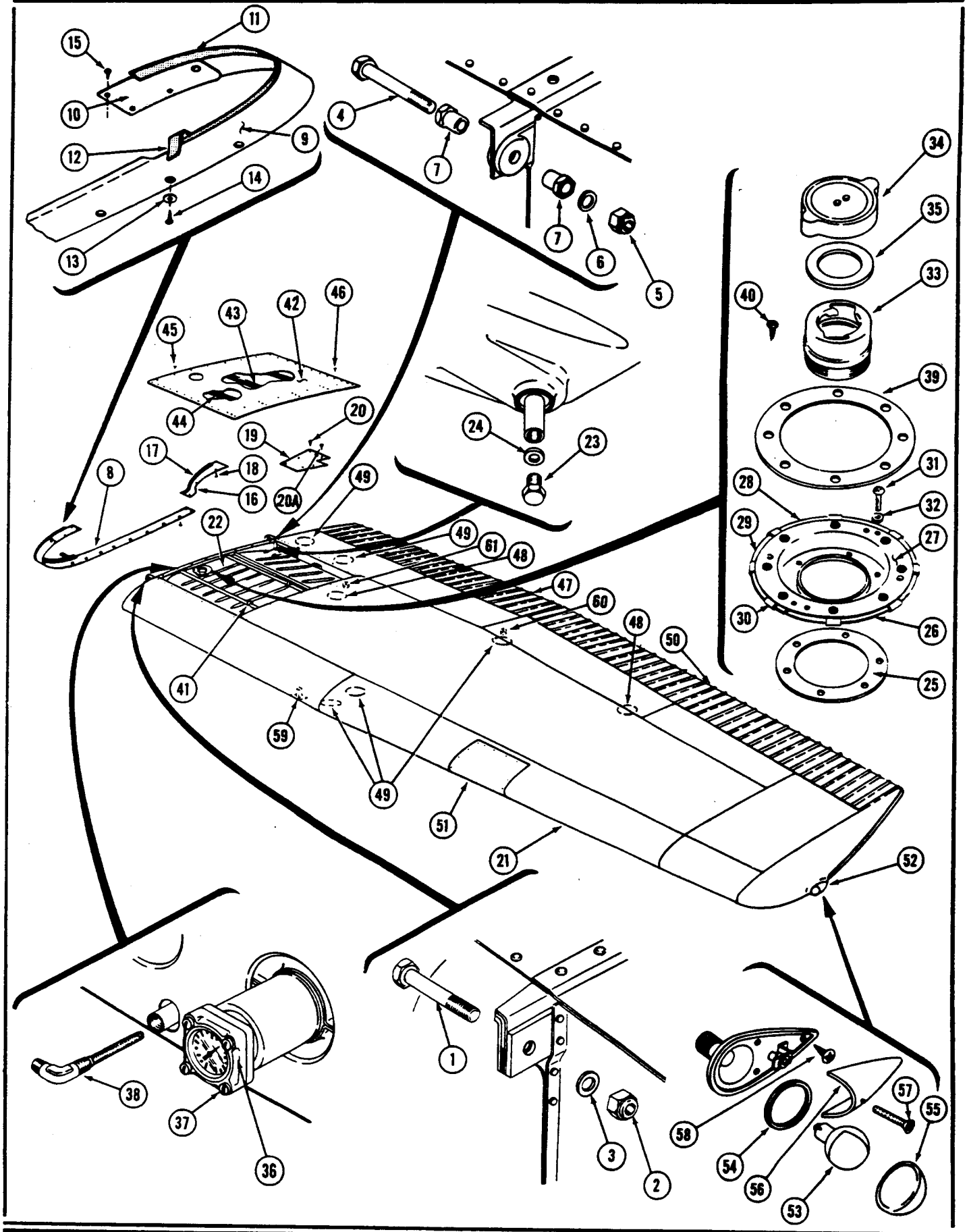


FIGURE 2. LEFT WING INSTALLATION

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
2-	No Number	Wing Installation - Left (see figure 1 for NHA) (0523006 Ref)	Ref
-1	AN8-23A	. Bolt - (Attach wing front spar to fuselage)	1
-2	AN364-820	. Nut - (Attach wing front spar to fuselage)	1
-3	AN960-816	. Washer - (Attach wing front spar to fuselage)	1
-4	AN7-24A	. Bolt - (Attach wing rear spar to fuselage)	1
-5	AN364-720	. Nut - (Attach wing rear spar to fuselage)	1
-6	AN960-716	. Washer - (Attach wing rear spar to fuselage)	2
-7	0512123	. Bushing - (Attach wing rear spar to fuselage)	1
-8	0520005-12	. Fairing Assembly - Left wing	1
-9	0520005-10	. . Fairing - Left wing	1
-10	0520005-6	. . Extension - Left wing fairing	1
-11	0520005-3	. . Rub Strip	1
-12	0520005-7	. . Rub Strip	7
-13	0411852	. Washer - (Attach fairing)	7
-14	PK79XZ-8-8	. Screw - (Attach fairing)	4
-15	PK76XZ-8-8	. Screw - (Attach fairing)	1
-16	0520008	. Fairing Assembly - Left wing rear lower	1
-17	X200	. . Moulding	4
-18	PK76XZ-8-8	. Screw - (Attach fairing)	1
-19	0520007	. Plate - Wing aft upper fairing	3
-20	AN520-10R5	. Screw - (Attach fairing)	3
-20A	PK76XZ-8-8	. Screw - (Attach fairing)	1
-21	No Number	. Wing Assembly - Complete left	1
	0523005	. . Structure Assembly - Left wing (see figure 3 for breakdown)	1
-22	0523520-10	. . Tank Assembly - Left wing fuel	1
-23	AN814-4BL	. . Plug - Drain	1
-24	AN902-4	. . Gasket - Fuel tank drain	2
-25	0523532	. . Gasket - Fuel tank adapter	1
-26	0523520-8	. . Adapter Assembly - Fuel tank	1
-27	0523529	. . . Adapter - Fuel tank	1
-28	0523530	. . . Retainer Assembly	2
-29	0523530-2	. . . . Strip - Retainer	8
-30	NAS395-17-3	. . . . Nut - (Tinnerman A1348-8Z-3)	6
-31	AN515-10R10	. . Screw - (Attach adapter)	6
-32	0311001-27	. . Washer - (Attach adapter)	1
-33	0311240-17	. . Filler Neck - Fuel tank	1
-34	0311360-4	. . Cap Assembly - Fuel tank	1
-35	0311360-5	. . . Gasket - Cap	1
-36	0422006-2	. . Gage - Fuel	4
-37	AN502-416-10	. . Screw - (Attach fuel gage)	4
	1114-5	. . Washer - Shakeproof	1
-38	0422130	. . Strainer Assembly - Fuel	1
-39	0523531	. . Gasket - Strainer	8
-40	PK76XZ-8-10	. . Screw - (Attach fuel tank adapter)	2
-41	AN520-10R26	. . Screw - (Attach fuel tank straps)	2
	AN365-1032	. . Nut - (Attach fuel tank straps)	1
-42	0523521-10	. . Cover Assembly - Left fuel tank top	1
-43	0523521-5	. . . Pad - Center hat section	1
-44	0523521-6	. . . Pad - Forward hat section	14
-45	NAS228-12	. . Screw - (Attach fuel tank cover)	37
-46	NAS228-8	. . Screw - (Attach fuel tank cover)	1
-47	No Number	. . Flap Installation - Left wing (see figure 6 for breakdown)	2
-48	0322128	. . Plate - Inspection	8
	PK76XZ-8-6	. . Screw - (Attach inspection plate)	5
-49	0311516	. . Plate - Inspection	15
	PK76XZ-8-8	. . Screw - (Attach inspection plate)	1
-50	No Number	. . Aileron Installation - Left wing (see figure 5 for breakdown)	1
-51	0523115-2	. . Plate - Landing light gap cover	1
-52	0423006-1	. . Light Assembly - Left wing position	1
-53	0423006-6	. . . Bulb - Left wing position (12 volt)	1
-54	0423006-7	. . . Gasket - Light - Wing position	1
-55	0423006-2	. . . Lens - Left wing position light (red)	1
-56	0423006-5	. . . Fairing - Left wing position light	1
-57	PK148-632-10	. . . Screw - (Attach fairing to lamp base)	3
-58	PK76XZ-8-6	. . Screw - (Attach light assembly to wing tip)	1
-59	0511062-4	. . Wing Unit - Stall warning actuator (Safe Flight Inst. Corp. 1-02-000)	4
	PK76XZ-8-6	. . Screw - (Attach stall warning actuator)	4
	NAS395-17-3	. . Nut - (Attach stall warning actuator) (Tinnerman A1348-8Z-3)	

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
2-60	NAS383-3	Pulley - Aileron control	1
	AN4-10A	Bolt - (Attach pulley)	1
	AN365-428	Nut - (Attach pulley)	1
	NAS382-2	Bushing - (Attach pulley)	1
	AN960-10L	Washer - (Attach pulley)	1
		See figure 66 for exploded view	
-61	NAS383-2	Pulley - Flap control	1
	AN3-7A	Bolt - (Attach pulley)	1
	AN365-1032	Nut - (Attach pulley)	1
	NAS382-1	Bushing - (Attach pulley)	1
	AN960-10	Washer - (Attach pulley)	AR
		See figure 68 for exploded view	

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
3-	05.3005	Structure Assembly - Left wing (see figure 2 for NHA)	Ref
-1	No Number	Leading Edge Assembly - Left wing (see figure 4 for breakdown)	1
-2	A2980A-4-27	Clamp - Tinnerman (attach pitot line)	1
-3	PK76XZ-8-8	Screw - (Attach clamp)	1
-4	NAS395-16-3	Nut - (Attach clamp) (A1789-8Z-3)	1
-5	0500005-74	Wire - Landing light	1
-6	0500005-81	Wire - Stall warning actuator	1
-7	0500005-38	Wire - Left navigation light	1
-8	A3046A-4	Clamp - Tinnerman (attach wires)	1
-9	PK76XZ-8-8	Screw - (Attach clamp)	1
-10	NAS446-4	Nut - (Tinnerman #A1778-8Z-3)	1
-11	0500106-53	Tube - Pitot	1
-12	0500106-54	Line - Pitot	1
-13	AN815-4D	Union - (Connect pitot tube)	1
-14	A2980A-4-27	Clamp - Tinnerman (attach pitot line)	2
	PK76XZ-8-8	Screw - (Attach clamp)	2
	NAS395-16-3	Nut - (Attach clamp) (A1789-8Z-3)	2
-15	0523301-1	Spar Assembly - Left wing front	1
-16	AN336F832	Nutplate	14
-17	0523524	Spacer	1
-18	PK86XA-10-10	Screw - Truss head (attach spacer)	2
-19	0523306	Fitting - Strut attachment	1
-20	AN5-7A	Bolt - (Attach strut fitting)	3
	AN960-516	Washer - (Attach strut fitting)	3
	AN364-524	Nut - (Attach strut fitting)	3
-21	0523507	Rib Assembly - Left fuel cell (Sta. 23.625)	1
	AN366F832	Nutplate	7
	NAS444-4	Nutplate	6
-22	0523522	Strap Assy - Fuel tank inboard	2
	0523522-5	Pad - Neoprene	1
-23	0523522-1	Strap Assy - Fuel tank outboard	2
	0523522-7	Pad - Neoprene	1
-24	0523519	Hat Section - Fuel tank lower	4
-25	0523540	Pad - Neoprene	3
-26	0523003-48	Doubler	1
-27	0523508-4	Rib Assembly - Left fuel cell (Sta. 57.125)	1
-28	AN366F832	Nutplate	11
-29	0523517-2	Spacer - Rib forward (Sta. 57.125)	1
-30	0523517-1	Spacer - Rib aft (Sta. 57.125)	1
-31	AN366F832	Nutplate	6
-32	0523509	Rib - Wing center section (Sta. 71.375 to 85.625)	2
-33	0523517-4	Spacer - Rib forward (Sta. 71.375)	1
-34	0523517-3	Spacer - Rib aft (Sta. 71.375)	1
-35	0523510	Rib - Wing center section (Sta. 100)	1
-36	0523511-3	Rib - Wing center section (Sta. 118)	1
-37	0523512-3	Rib - Wing center section (Sta. 136)	1
-38	0523513-3	Rib - Wing center section (Sta. 154)	1
-39	0523514-3	Rib - Wing center section (Sta. 172)	1
-40	0523515-3	Rib - Wing center section (Sta. 190)	1
-41	0523516-5	Rib Wing center section (Sta. 208)	1
	NAS444-4	Nutplate - (Tinnerman A6191-8Z-3)	10
-42	0523400-14	Spar Assembly - Left wing rear	1
-43	0523400-50	Segment Assembly - (Rear spar inboard)(Sta. 23.625 to 100)	1
-44	0422229-3	Fitting - Wing spar reinforcement	2
-45	0523524	Spacer - Fuel tank	1

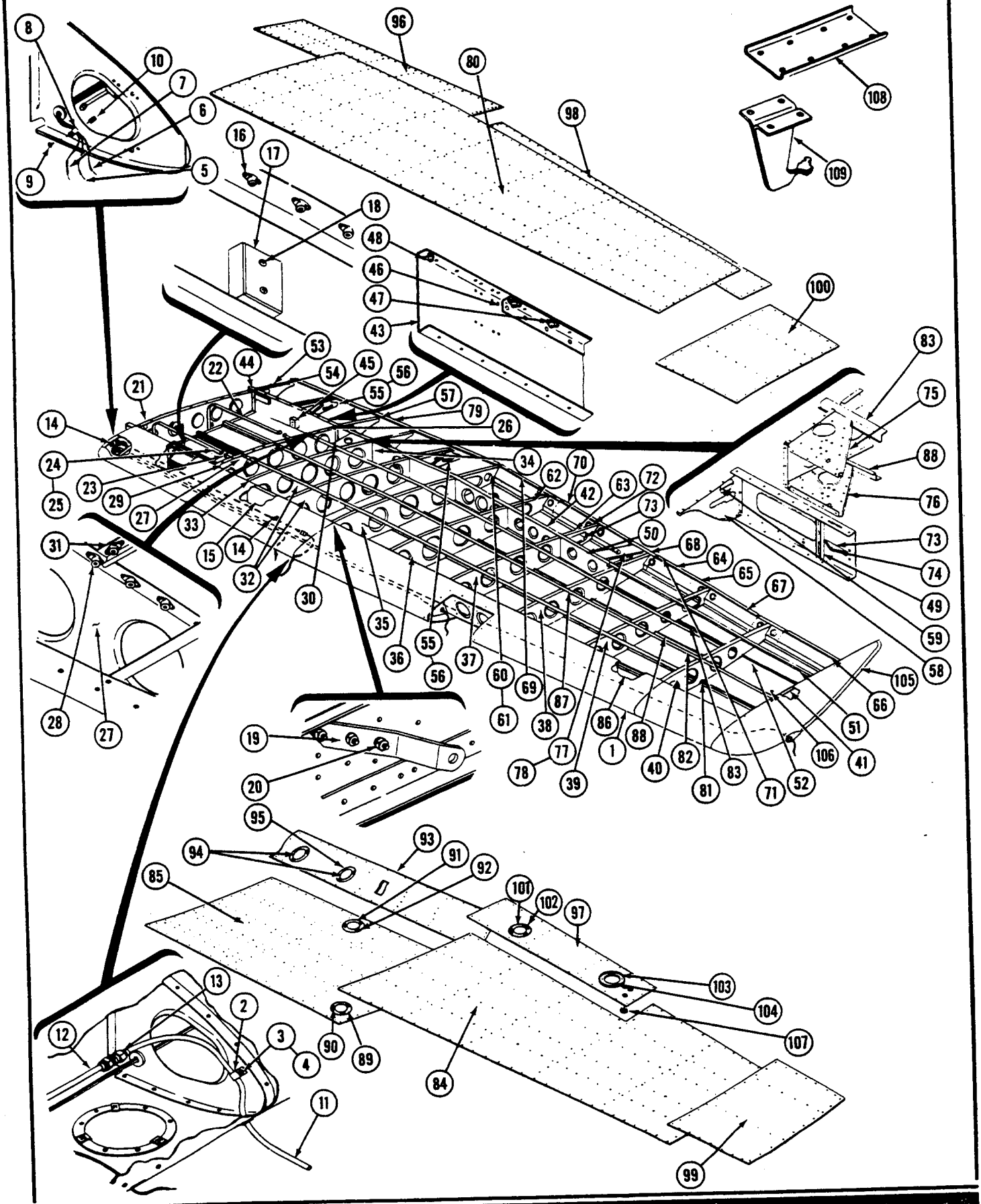


FIGURE 3. LEFT WING STRUCTURAL ASSEMBLY

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
3-	PK86XA-10-10	. . . Screw - Truss head (attach fitting)	2
-46	0523400-20	. . . Angle - Reinforcement	1
-47	AN366F832	. . . Nutplate	12
-48	NAS450-8S	. . . Nutplate	1
-49	0523409	. . . Channel - Reinforcement	1
-50	0523406	. . Segment Assembly - Rear spar outboard (Sta. 100 to 154)	1
-51	0523003-40	. Stringer - Upper	1
-52	0523003-40	. Stringer - Lower	1
-53	NAS395-14-3	. Nut - (Tinnerman A1274-8Z-3)	4
-54	0523232	. Rib - Wing root trailing edge (Sta. 23.625)	1
-55	0523231	. Rib Assembly - Flap track (Sta. 39 & Sta. 85.875)	2
-56	0523231-5	. . Bracket	2
-57	0523233-2	. Rib - Wing trailing edge (Sta. 57.125)	1
-58	0523233	. Rib Assembly - Wing trailing edge (Sta. 71.375)	1
-59	0523233-3	. . Rub Strip - Formica	1
-60	0523230	. Rib Assembly - Wing trailing edge (Sta. 100.5)	1
-61	0523230-4	. . Angle	1
-62	0523511-4	. Rib - Wing trailing edge (Sta. 118)	1
-63	0523512-4	. Rib - Wing trailing (Sta. 136)	1
-64	0523005-50	. Spar Assembly - Outboard auxiliary left	1
-65	0523206-2	. . Spar - Outboard auxiliary left	1
-66	0523813-3	. . Spacer - Trailing edge	1
-67	0523813-2	. . Spacer - Trailing edge	1
-68	0523813-4	. . Spacer - Trailing edge	1
-69	0523813-5	. . Spacer - Trailing edge	1
-70	0523216	. . Reinforcement	2
-71	0523215	. . Reinforcement	1
-72	0523408	. Bracket - Aileron pulley	1
-73	0523407	. Bracket - Flap pulley	1
-74	0523407-1	. Bracket - Flap pulley	1
-75	0523539-2	. Bracket - Flap bellcrank support upper	1
-76	0523539-4	. Bracket - Flap bellcrank support lower	1
-77	0523219-2	. Channel - Aileron bellcrank upper	1
-78	0523219-4	. Channel - Aileron bellcrank lower	1
-79	0523234-2	. Stiffener - Trailing edge inboard	1
-80	0523007-40	. Skin - Upper (Sta. 57.125 to 190)	1
-81	0523541-1	. Stringer - Upper	1
-82	0523541-3	. Stringer - Upper	1
-83	0523541-5	. Stringer - Upper	1
-84	0523003-74	. Skin - Lower (Sta. 100 to 190)	1
-85	0523007-44	. Skin - Lower (Sta. 23.625 to 100)	1
-86	0523541-7	. Stringer - Lower	1
-87	0523541-9	. Stringer - Lower	1
-88	0523541-11	. Stringer - Lower	1
-89	0511000-20	. Doubler - Inspection opening	1
-90	NAS395-14-3	. Nut - (Tinnerman A1274-8Z-3)	3
-91	0322127	. Doubler - Inspection opening	2
-92	NAS395-12-3	. Nut - (Tinnerman A1786-8Z-3)	8
-93	0523007-10	. Skin - Lower (Sta. 22.875 to 100)	1
-94	0511000-20	. Doubler	2
-95	NAS395-14-3	. Nut - (Tinnerman #A1274-8Z-3)	6
-96	0523007-42	. Skin - Upper (Sta. 22.875 to 100)	1
-97	0523003-79	. Skin - Lower (Sta. 100 to 154)	1
-98	0523003-80	. Skin - Upper (Sta. 100 to 190)	1
-99	0523003-83	. Skin - Lower (Sta. 189 to 208)	1
-100	0523003-81	. Skin - Upper (Sta. 190 to 208)	1
-101	0511000-20	. Doubler - Inspection opening	1
-102	NAS395-14-3	. Nut - (Tinnerman A1274-8Z-3)	3
-103	0322127	. Doubler - Inspection opening	1
-104	NAS395-14-3	. Nut - (Tinnerman #A1786-8Z-3)	3
-105	0523700	. Tip Assembly - Wing	1
	NAS445-5	. . Nutplate - (Attach navigation lights)	3
-106	PK76XZ-8-8	. Screw - (Attach tip)	10
-107	NAS451-56	. Plug Button (United Carr 48155)	1
-108	0523004-2	. Channel - Door stop support	1
-109	0523004-10	. Bracket Assembly - Left door stop (serial 20268 thru 26995)	1
	0523004-11	. Bracket Assembly - Left door stop (serial 26996 & on)	1

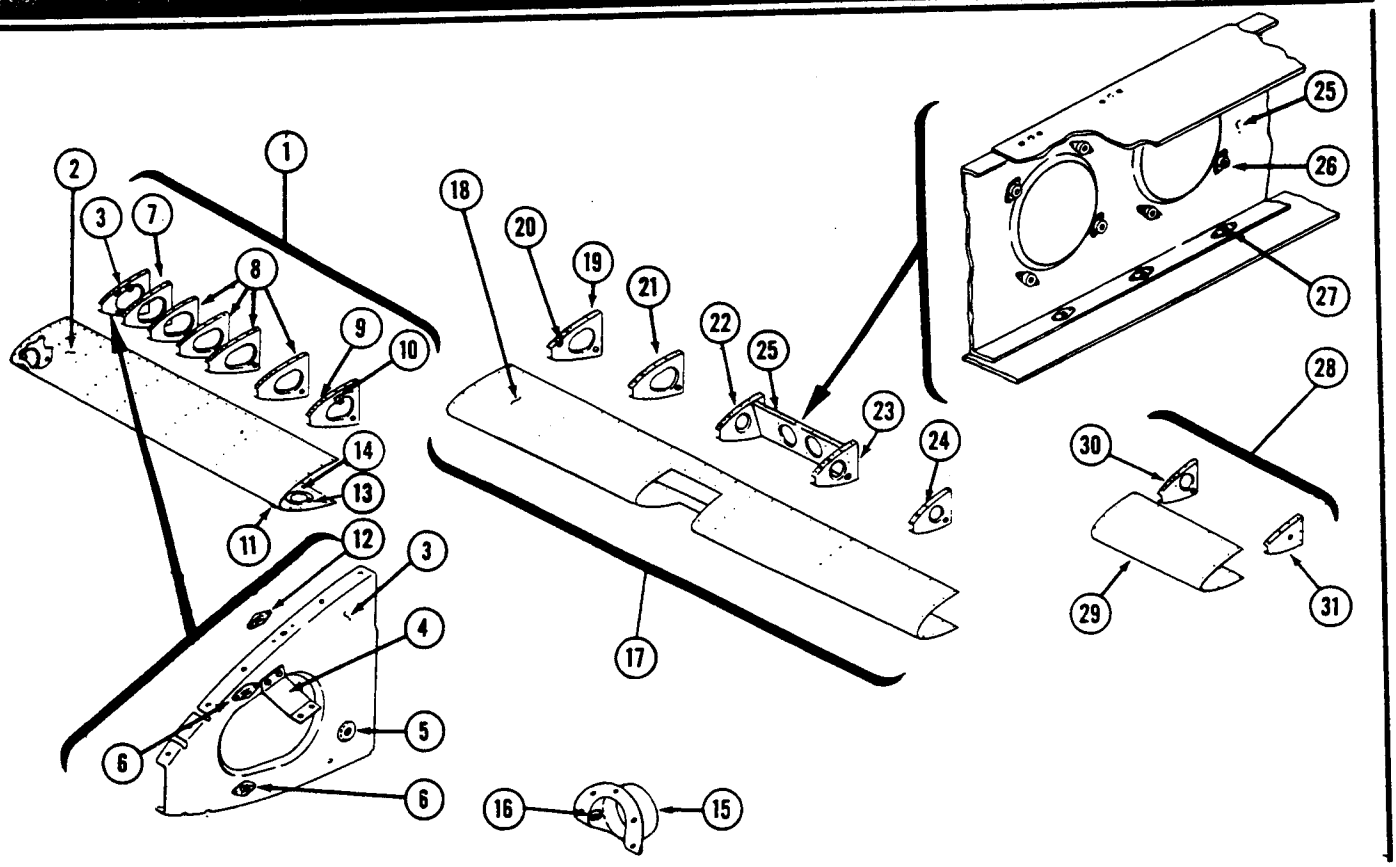


FIGURE 4. LEFT WING LEADING EDGE ASSEMBLY

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
4-	No Number	Leading Edge Assembly - Left wing complete (See figure 3 for NHA) (0523005 Ref)	Ref
-1	0523005-54	. Leading Edge Assembly - Left inboard (Sta. 23.625 to 100)	1
-2	0523007-2	. . Skin - (Sta. 23.625 to 100)	1
-3	0523107-2	. . Rib Assembly - Nose (Sta. 23.625)	1
-4	0422291	. . . Bracket	1
-5	A230-A2	. . . Grommet	2
-6	NAS444-5	. . . Nutplate - (Tinnerman A6195-8Z-3)	1
-7	0523107	. . Rib Assembly - Nose (Sta. 32.000)	1
	AN230-A2	. . . Grommet	4
-8	0523108	. . Rib Assembly - Nose (Sta. 40.375 to 71.375)	1
	AN230-A2	. . . Grommet	1
-9	0523111-1	. . Rib Assembly - Nose (Sta. 85.625)	1
-10	0422292	. . . Bracket	1
	AN230-A2	. . . Grommet	1
-11	AN931-4-7	. . Grommet	2
-12	NAS444-5	. . Nutplate - (Tinnerman A6195-8Z-3)	1
-13	0511000-20	. . Doubler - Inspection opening	3
-14	NAS395-14-3	. . Nut - (Tinnerman A1274-8Z-3)	1
-15	0413157	. . Scoop - Cabin air ventilator	1
-16	NAS446-4	. . Nut Plate - (Tinnerman A1778-8Z-3)	1
-17	0523005-56	. Leading Edge Assembly - Left center (Sta. 100 to 190)	1
-18	0523003-10	. . Skin - (Sta. 100 to 190)	1
-19	0523110-1	. . Rib Assembly - Nose (Sta. 100)	1
-20	NAS444-1	. . . Nutplate - (Tinnerman A6191-6Z-3)	1
	AN230-A2	. . . Grommet	1
-21	0523542-1	. . Rib Assembly - Nose (Sta. 118)	1
	AN230-A2	. . . Grommet	1
-22	0523512-5	. . Rib Assembly - Nose (Sta. 136)	1
	AN230-A2	. . . Grommet	1
-23	0523513-4	. . Rib Assembly - Nose (Sta. 154)	1
	AN230-A2	. . . Grommet	1
-24	0523514-4	. . Rib Assembly - Nose (Sta. 172)	1

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
4-	AN230-A2	. . . Grommet	1
-25	0523106	. . Bracket Assembly - Landing light	1
-26	AN366F832	. . . Nutplate	8
-27	NAS444-5	. . Nutplate - (Tinnerman A6195-8Z-3)	18
-28	0523005-52	. Leading Edge Assembly - Left outboard	1
-29	0523003-56	. . Skin - (Sta. 190 to 208)	1
-30	0523515-4	. . Rib Assembly - Nose (Sta. 190)	1
	AN230-2	. . . Grommet	1
-31	0523516-4	. . Rib Assembly - Nose (Sta. 208)	1
	AN230-AD2	. . . Grommet	1

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
5-	No Number	Aileron Installation - Left wing (see figure 2 for NHA) (0523800 Ref)	Ref
-1	0523223	. Bellcrank Assembly - Aileron	1
-2	0422280	. . Bushing	2
-3	B610	. . Bearing - Torrington	2
-4	0522629	. Washer	1
-5	AN4-42A	. Bolt - (Attach bellcrank)	2
-6	AN365-428	. Nut - (Attach bellcrank)	2
-7	0523221	. Bushing - (Attach bellcrank)	1
-8	0523222	. Bushing - (Bellcrank stop)	1
	0523218	. Rod Assembly - Aileron push-pull	1
-9	0523218-2	. . Rod - Aileron push-pull	1
-10	F34-14	. . End - Rod	2
-11	AN316-4R	. . Nut - Check	2
-12	AN3-7A	. Bolt - (Attach aileron push-pull rod)	2
-13	AN365-1032	. Nut - (Attach aileron push-pull rod)	2
-14	NAS229-8	. Screw - (Attach aileron hinge to wing)	12
-15	AN365-1032	. Nut - (Attach aileron hinge to wing)	12
-16	0523800	. Aileron Assembly - Left wing	1
-17	0523806	. . Spar - Left aileron	1
-18	0523808	. . Rib #1 - Aileron	2
-19	0523809	. . Rib #2 - Aileron	1
-20	0523810	. . Rib #3 - Aileron	1
-21	0523811	. . Rib #4 - Aileron	1
-22	0523812-2	. . Bracket - Control	1
-23	NAS-455-163C-4-8	. . Rivet - (Attach bracket)	6
-24	0523814	. . Bracket - (Attach aileron weight)	1
-25	0523814-2	. . Bracket - (Attach aileron weight)	1
-26	0721109	. . Weight - Aileron balance	3
-27	0523800-6	. . Skin - Upper left inboard (Not available for spares)	1
-28	0523800-8	. . Skin - Upper left outboard	1
-29	0523800-10	. . Skin - Lower left inboard (Not available for spares)	1
-30	0523800-12	. . Skin - Lower left outboard	1
-31	0523813-1	. . Spacer	1
-32	0523813-8	. . Spacer	1
-33	0523813-6	. . Spacer	1
-34	0523813-7	. . Spacer	1
-35	0523807	. Hinge Assembly - Aileron	3

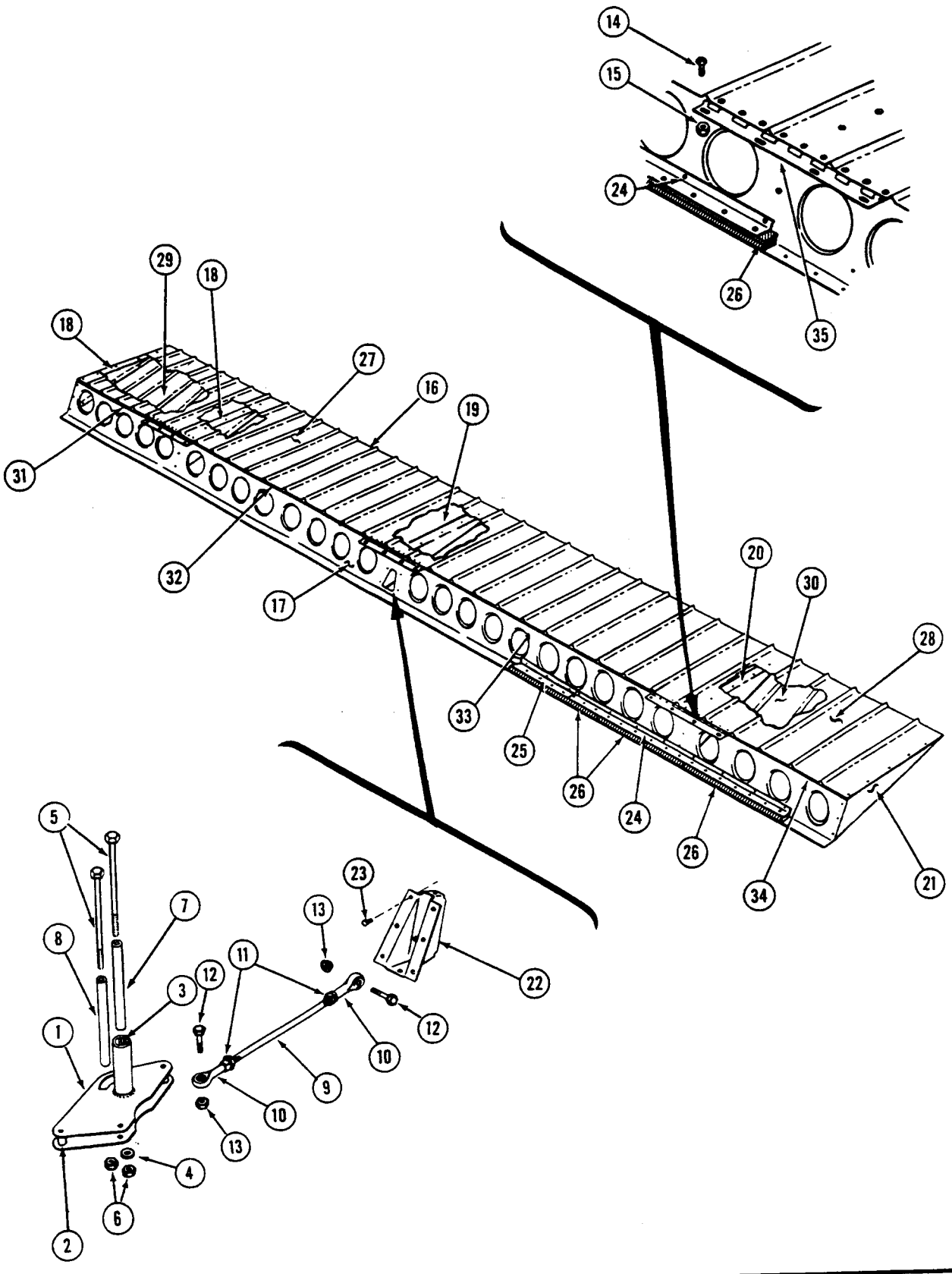


FIGURE 5. LEFT AILERON INSTALLATION

ILLUSTRATED PARTS CATALOG

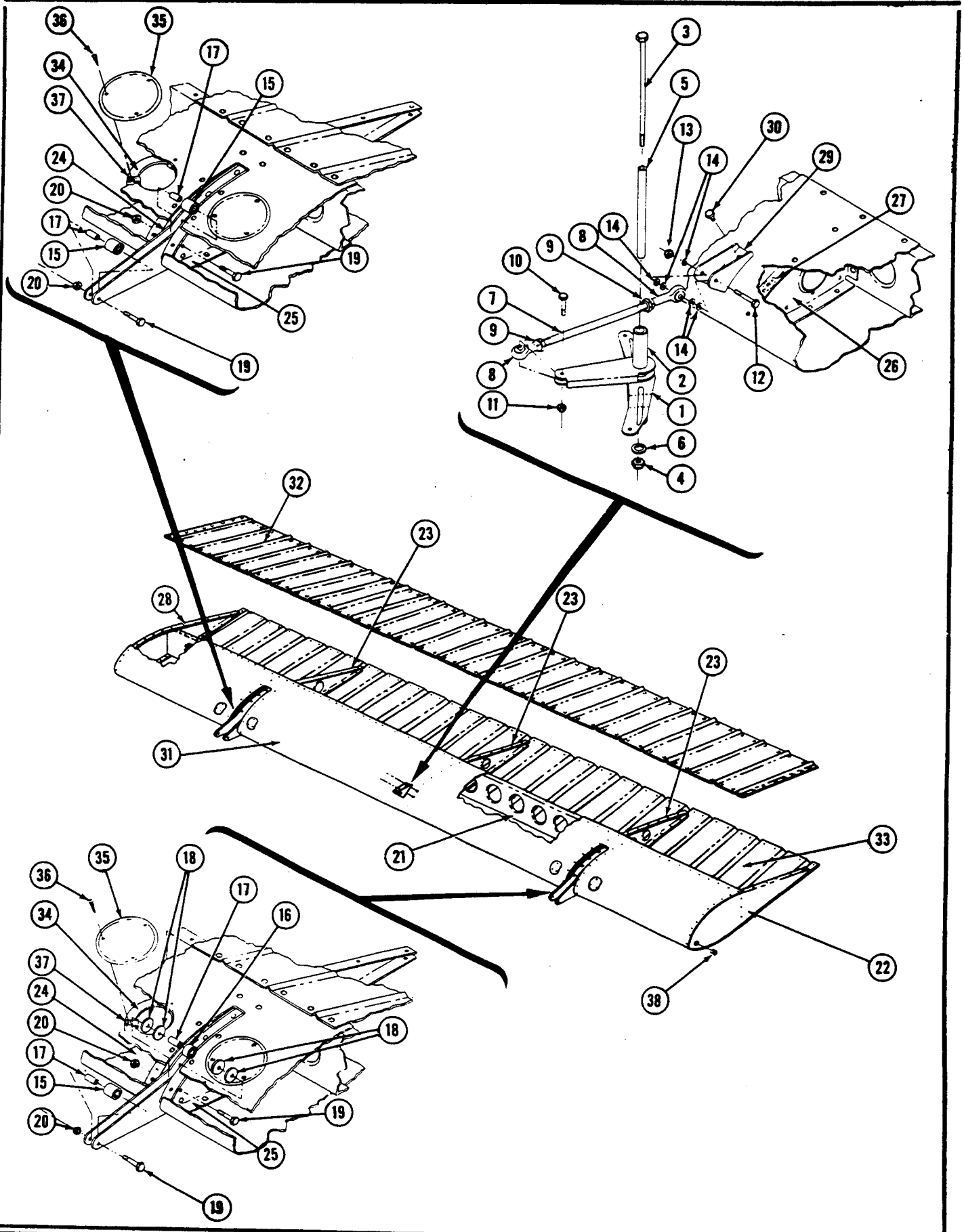


FIGURE 6. LEFT FLAP INSTALLATION

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
6-	No Number	Flap Installation - Left wing (see figure 2 for NHA)	Ref
-1	0523535	. Bellcrank Assembly - Left flap	1
-2	B610	. . Bearing - Torrington	2
-3	AN4-60A	. Bolt - (Attach flap bellcrank)	1
-4	AN365-428	. Nut - (Attach flap bellcrank)	1
-5	0523536	. Bushing - Flap bellcrank	1
-6	0522629	. Washer - Flap bellcrank	1
	0523537	. Rod Assembly - Flap push-pull	1
-7	0523537-2	. . Rod - Flap push-pull	1
-8	F34-14	. . End - Rod	2
-9	AN316-4R	. . Nut - Check	2
-10	AN3-7A	. Bolt - (Attach push-pull rod to bellcrank)	1
-11	AN365-1032	. Nut - (Attach push-pull rod to bellcrank)	1
-12	AN3-12A	. Bolt - (Attach push-pull rod to flap)	1
-13	AN365-1032	. Nut - (Attach push-pull rod to flap)	1
-14	AN960-10	. Washer	5
-15	0523921	. Roller Assembly - Flap attachment	3
-16	0523920	. Roller Assembly - Flap attachment	1
-17	0523919	. Bushing - Flap attachment roller	4
-18	0523922	. Spacer - Flap (outboard roller only)	4
-19	AN3-10A	. Bolt - (Attach flap to wing)	4
-20	AN365-1032	. Nut - (Attach flap to wing)	4
	0523901	. Flap Assembly - Left wing	1
-21	0523911	. . Spar - Flap	1
-22	0523912-1	. . Rib - Flap left end	1
-23	0523923	. . Rib - Flap trailing edge	3
-24	0523901-9	. . Rib Assembly - Flap support arm - Right	2
-25	0523901-8	. . Rib Assembly - Flap support arm - Left	2
-26	0523914-2	. . Rib Assembly - Flap leading edge center	1
-27	AN366F1032	. . . Nutplate	2
-28	0523912	. . Rib - Flap right end	1
-29	0523918	. . Bracket - Flap control	1
-30	AN3-4A	. . Bolt - (Attach bracket)	2
-31	0523901-2	. . Skin - Left flap leading edge	1
-32	0523901-4	. . Skin - Left flap upper	1
-33	0523901-6	. . Skin - Left flap lower	1
-34	0523916	. . Doubler - Access hole	4
-35	0523917	. . Plate - Cover	4
-36	PK76XZ-8-8	. . Screw - (Attach cover)	12
-37	NAS395-13-3	. . Nut - (Tinnerman A6077-8Z-3) (attach cover)	12
-38	48172	. Plug Button - (United Carr)	2

ILLUSTRATED PARTS CATALOG

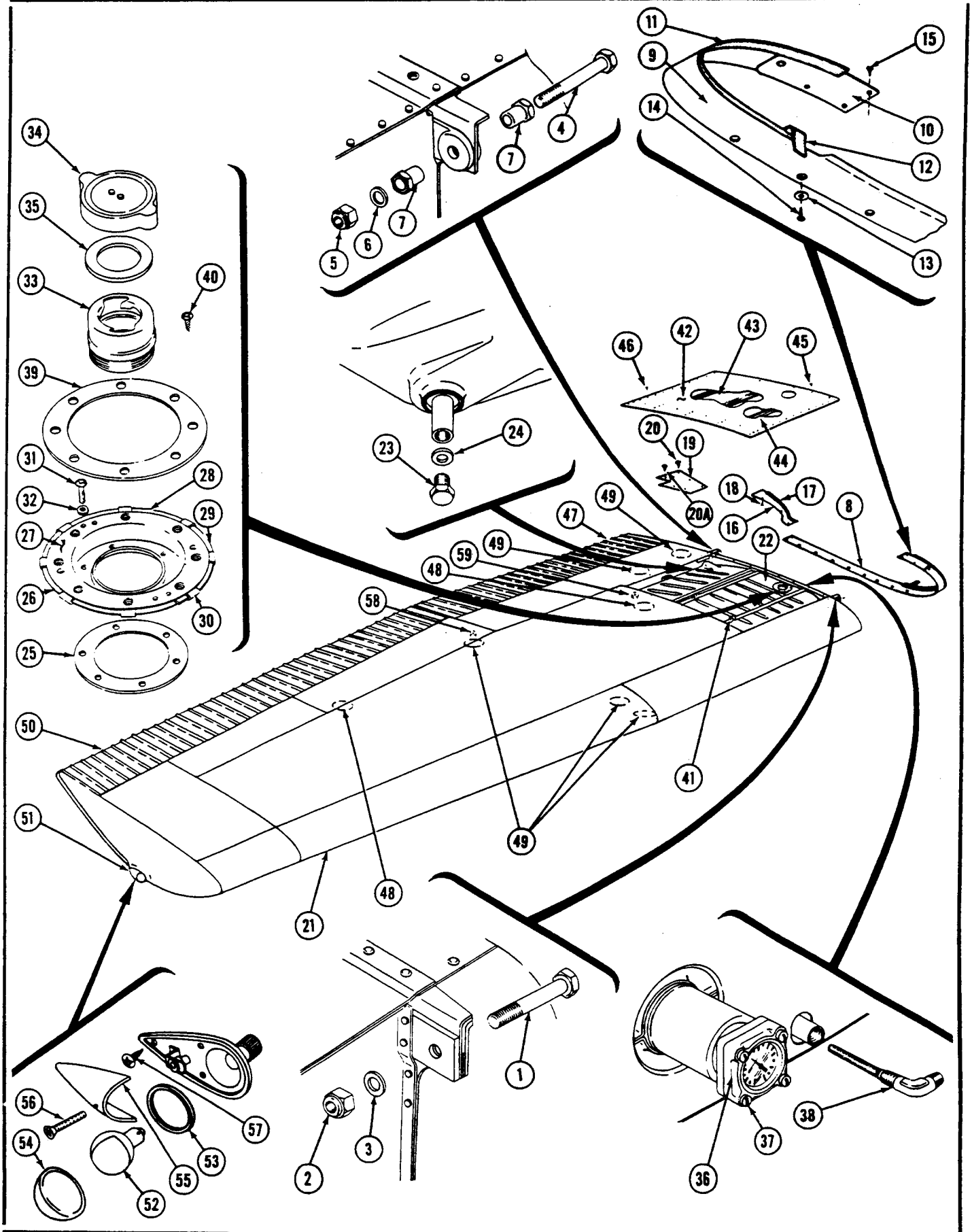


FIGURE 7. RIGHT WING INSTALLATION

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
7-	No Number	Wing Installation - Right (see figure 1 for NHA) (0523006 Ref)	Ref
-1	AN8-23A	. Bolt - (Attach wing front spar to fuselage)	1
-2	AN364-820	. Nut - (Attach wing front spar to fuselage)	1
-3	AN960-816	. Washer - (Attach wing front spar to fuselage)	1
-4	AN7-24A	. Bolt - (Attach wing rear spar to fuselage)	1
-5	AN364-720	. Nut - (Attach wing rear spar to fuselage)	1
-6	AN960-716	. Washer - (Attach wing rear spar to fuselage)	1
-7	0512123	. Bushing - (Attach wing rear spar to fuselage)	2
-8	0520005-13	. Fairing Assembly - Right wing	2
-9	0520005-11	. . Fairing - Right wing	1
-10	0520005-6	. . Extension	1
-11	0520005-3	. . Rub Strip	1
-12	0520005-7	. . Rub Strip	1
-13	0411852	. Washer - (Attach fairing)	7
-14	PK79XZ-8-8	. Screw - (Attach fairing)	7
-15	PK76XZ-8-8	. Screw - (Attach fairing)	18
-16	0520008-1	. Fairing Assembly - Right wing rear lower	1
-17	X200	. . Moulding	1
-18	PK76XZ-8-8	. Screw - (Attach fairing)	4
-19	0520007-1	. Plate - Wing aft fairing)	1
-20	AN520-10R5	. Screw - (Attach fairing)	3
-20A	PK76XZ-8-8	. Screw - (Attach fairing)	3
-21	No Number	. Wing Assembly - Complete right	1
	0523005-1	. . Structure Assembly - Right wing (see figure 8 for breakdown)	1
-22	0523520-11	. . Tank Assembly - Right wing fuel	1
-23	AN814-4BL	. . Plug - Drain	1
-24	AN902-4	. . Gasket - Fuel tank drain	1
-25	0523532	. . Gasket - Fuel tank adapter	2
-26	0523520-8	. . Adapter Assembly	1
-27	0523529	. . . Adapter - Fuel tank	1
-28	0523530	. . . Retainer Assembly - Fuel tank	1
-29	0523530-2	. . . . Strip - Retainer	2
-30	NAS395-17-3	. . . . Nut - (Tinnerman #A1348-8Z-3)	8
-31	AN520-10R10	. . Screw - (Attach adapter)	6
-32	0311001-27	. . Washer - (Attach adapter)	6
-33	0311240-17	. . Filler Neck - Fuel tank	1
-34	0311360-4	. . Cap Assembly - Fuel tank	1
-35	0311360-5	. . . Gasket - Cap	1
-36	0422006-2	. . Gage - Fuel	1
	3175-15	. . . Gasket - (Attach fuel gage) (Scott)	1
-37	AN502-416-10	. . Screw - (Attach fuel gage)	4
	1114-5	. . Washer - Shakeproof (attach fuel gage)	4
-38	0422130	. . Strainer Assembly - Fuel	1
-39	0523531	. . Gasket - (Adapter assembly)	1
-40	PK76XZ-8-10	. . Screw - (Attach fuel tank adapter)	8
-41	AN520-10R26	. . Screw - (Attach fuel tank straps)	2
	AN365-1032	. . Nut - (Attach fuel tank straps)	2
-42	0523521-11	. . Cover Assembly - Right tank top	1
-43	0523521-5	. . . Pad - Center hat section	1
-44	0523521-6	. . . Pad - Forward hat section	1
-45	NAS228-12	. . Screw - (Attach fuel tank cover)	14
-46	NAS228-8	. . Screw - (Attach fuel tank cover)	37
-47	No Number	. . Flap Installation - Right wing (see figure 11 for breakdown)	1
-48	0322128	. . Plate - Inspection	1
	PK76XZ-8-6	. . Screw - (Attach inspection plate)	8
-49	0311516	. . Plate - Inspection	5
	PK76XZ-8-8	. . Screw - (Attach inspection plate)	15
-50	No Number	. . Aileron Installation - Right wing (see figure 10 for breakdown)	1
-51	0423006-3	. . Light Assembly - Right wing position	1
-52	0423006-6	. . . Bulb - Wing position light (12 volts)	1
-53	0423006-7	. . . Gasket - Light - Wing position	1
-54	0423006-4	. . . Lens - Right wing position light (green)	1
-55	0423006-5	. . . Fairing - Wing position light	1
-56	PK148-632-10	. . . Screw - (Attach fairing to lamp base)	1
-57	PK76XZ-8-6	. . Screw - (Attach light assembly to wing tip)	3
-58	NAS383-3	. . Pulley - Aileron control	1
	AN4-10A	. . Bolt - (Attach pulley)	1
	AN365-428	. . Nut - (Attach pulley)	1
	NAS382-2	. . Bushing - (Attach pulley)	1
	AN960-10L	. . Washer - (Attach pulley)	1

See figure 66 for exploded view

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
7-59	NAS383-2	Pulley - Flap control	1
	AN3-7A	Bolt - (Attach pulley)	1
	AN365-1032	Nut - (Attach pulley)	1
	NAS382-1	Bushing - (Attaching pulley)	1
	AN960-10	Washer - (Attach pulley)	AR

See figure 68 for exploded view

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
8-	0523005-1	Structure Assembly - Right wing (see figure 7 for NHA)	Ref
-1	No Number	Leading Edge Assembly - Right wing (see figure 9 for breakdown)	1
-2	0500005-37	Wire - Right navigation light	1
-3	A2980A-3	Clamp - Tinnerman (attach wire)	1
-4	PK76XZ-8-8	Screw - (Attach clamp)	1
-5	NAS446-4	Nut - (Tinnerman #A1778-8Z) (attach clamp)	1
-6	0523301-2	Spar Assembly - Right wing front	1
-7	AN366F832	Nutplate	14
-8	0523524	Spacer	1
-9	PK86XA-10-10	Screw - Truss head (attach spar)	2
-10	0523306	Fitting - Strut attachment	1
-11	AN5-7A	Bolt - (Attach strut fitting)	3
	AN960-516	Washer - (Attach strut fitting)	3
	AN364-524	Nut - (Attach strut fitting)	3
-12	0523507-1	Rib Assembly - Right fuel cell (Sta. 23.625)	1
	AN366F832	Nutplate	7
	NAS444-4	Nutplate - (Tinnerman A6191-8Z-3)	6
-13	0523522	Strap Assembly - Fuel tank inboard	2
	0523522-5	Pad - Neoprene	1
-14	0523522-1	Strap Assembly - Fuel tank outboard	2
	0523522-5	Pad - Neoprene	1
-15	0523519	Hat Section - Fuel tank lower	4
-16	0523540	Pad - Neoprene	3
-17	0523003-48	Doubler	1
-18	0523508-5	Rib Assembly - Right fuel cell (Sta. 57.125)	1
-19	AN366F832	Nutplate	11
-20	0523517-2	Spacer - Rib forward (Sta. 57.125)	1
-21	0523517-1	Spacer - Rib aft (Sta. 57.125)	1
-22	AN366F832	Nutplate	6
-23	0523509	Rib - Wing center section (Sta. 71.375 & 85.625)	2
-24	0523517-4	Spacer - Rib forward (Sta. 71.375)	1
-25	0523517-3	Spacer - Rib aft	1
-26	0523510-1	Rib - Wing center section (Sta. 100)	1
-27	0523511-3	Rib - Wing center section (Sta. 118)	1
-28	0523512-3	Rib - Wing center section (Sta. 136)	1
-29	0523513-6	Rib - Wing center section (Sta. 154)	1
-30	0523514-3	Rib - Wing center section (Sta. 172)	1
-31	0523515-3	Rib - Wing center section (Sta. 190)	1
-32	0523516-5	Rib - Wing center section (Sta. 208)	1
	NAS444-4	Nutplate - (Tinnerman A6191-8Z-3)	10
-33	0523400-15	Spar Assembly - Right wing rear	1
-34	0523400-51	Segment Assembly - Rear spar inboard (Sta. 23.625 to 100)	1
-35	0422229-3	Fitting - Wing spar reinforcement	2
-36	0523524	Spacer - Fuel tank	1
	PK86XA-10-10	Screw - Truss head (attach spacer)	2
-37	0523400-21	Angle - Reinforcement	1
-38	AN366F832	Nutplate	12
-39	NAS450-8S	Nutplate	1
-40	0523409	Channel - Reinforcement	1
-41	0523406-1	Segment Assembly - Rear spar outboard (Sta. 100 to 154)	1
-42	0523003-40	Stringer	2
-43	NAS395-14-3	Nut - (Tinnerman A1274-8Z-3)	4
-44	0523232	Rib - Wing root trailing edge (Sta. 23.625)	1
-45	0523231	Rib Assembly - Flap track (Sta. 39 & 85.875)	2
-46	0523231-5	Bracket	1
-47	0523233-2	Rib - Wing trailing edge (Sta. 57.125)	1
-48	0523233	Rib Assembly - Wing trailing edge (Sta. 71.375)	1
-49	0523233-3	Rub Strip- Formica	1
-50	0523230-1	Rib Assembly - Wing trailing edge (Sta. 100.5)	1
-51	0523230-5	Angle	1
-52	0523511-4	Rib - Wing trailing edge (Sta. 118)	1

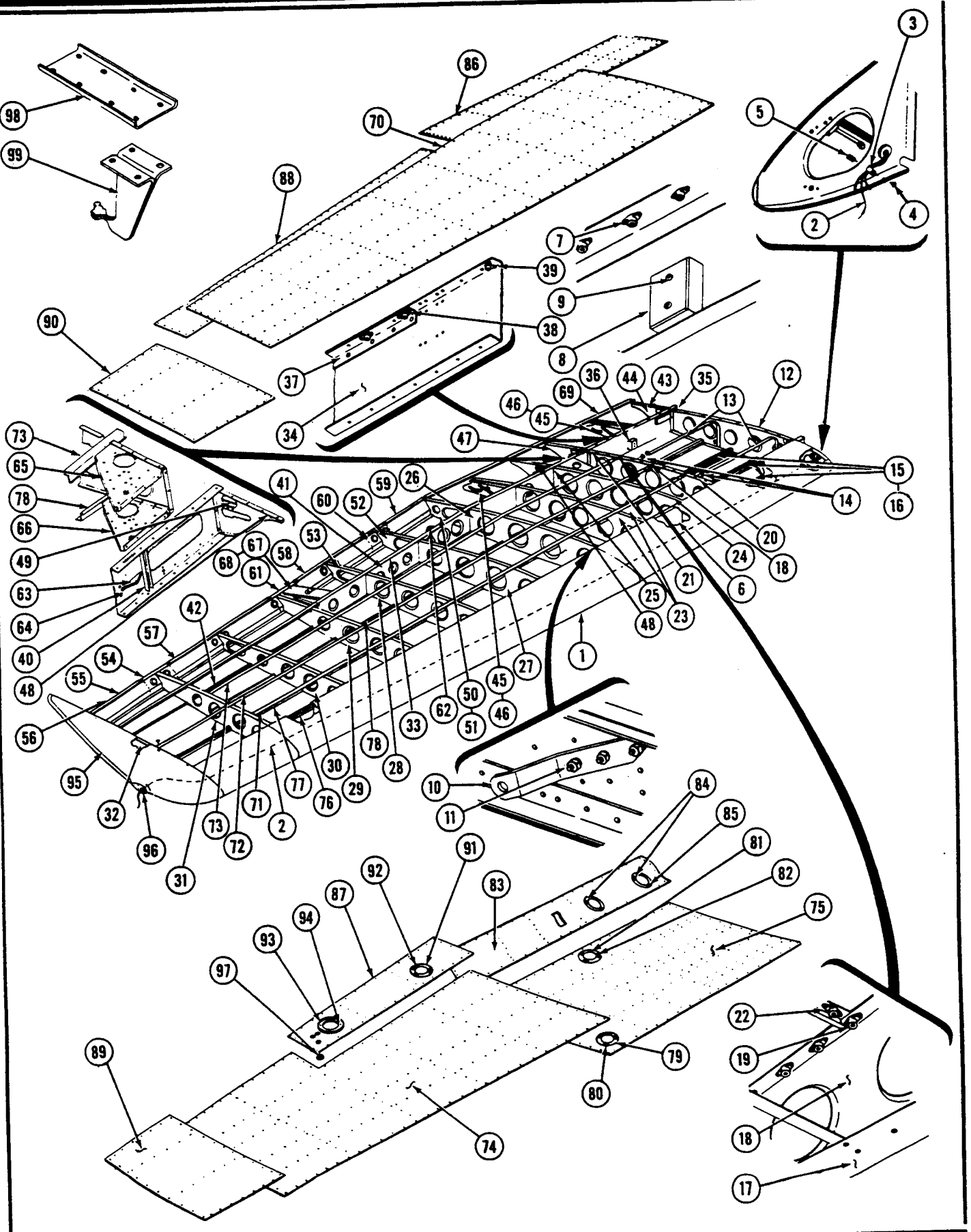


FIGURE 8. RIGHT WING STRUCTURAL ASSEMBLY

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
8-53	0523512-4	. Rib - Wing trailing edge (Sta. 136)	1
-54	0523005-51	. Spar Assembly - Outboard auxiliary right	1
-55	0523206-3	. . Spar - Outboard auxiliary right	1
-56	0523813-3	. . Filler - Trailing edge	1
-57	0523813-2	. . Filler - Trailing edge	1
-58	0523813-4	. . Filler - Trailing edge	1
-59	0523813-5	. . Filler - Trailing edge	1
-60	0523216	. . Reinforcement	2
-61	0523215-1	. . Reinforcement	1
-62	0523408	. Bracket - Aileron pulley	1
-63	0523407-1	. Bracket - Flap pulley	1
-64	0523407	. Bracket - Flap pulley	1
-65	0523539-3	. Bracket - Flap bellcrank support upper	1
-66	0523539-5	. Bracket - Flap bellcrank support lower	1
-67	0523219-3	. Channel - Aileron bellcrank upper	1
-68	0523219-5	. Channel - Aileron bellcrank lower	1
-69	0523234-2	. Stiffener - Trailing edge	1
-70	0523007-40	. Skin - Upper (Sta. 57.125 to 190.00)	1
-71	0523541-2	. Stringer - Upper	1
-72	0523541-4	. Stringer - Upper	1
-73	0523541-6	. Stringer - Upper	1
-74	0523003-74	. Skin - Lower center section (Sta. 100.00 to 190.00)	1
-75	0523007-44	. Skin - Lower (Sta. 23.625 to 100.00)	1
-76	0523541-8	. Stringer - Lower	1
-77	0523541-10	. Stringer - Lower	1
-78	0523541-12	. Stringer - Lower	1
-79	0511000-20	. Doubler	1
-80	NAS395-14-3	. Nut - (Tinnerman A1274-8Z-3)	3
-81	0322127	. Doubler - Inspection opening	2
-82	NAS395-12-3	. Nut - (Tinnerman A1786-8Z-3)	8
-83	0523007-9	. Skin - Lower trailing edge (Sta. 22.875 to 100.00)	1
-84	0511000-20	. Doubler - Inspection opening	2
-85	NAS395-14-3	. Nut - (Tinnerman #A1274-8Z-3)	6
-86	0523007-42	. Skin - Upper trailing edge (Sta. 22.875 to 100.00)	1
-87	0523003-79	. Skin - Lower trailing edge (Sta. 100.00 to 154.00)	1
-88	0523003-80	. Skin - Upper trailing edge (Sta. 100.00 to 190.00)	1
-89	0523003-83	. Skin - Lower trailing edge (Sta. 189.5 to 208.00)	1
-90	0523003-81	. Skin - Upper trailing edge (Sta. 190.00 to 208.00)	1
-91	0511000-20	. Doubler - Inspection opening	1
-92	NAS395-14-3	. Nut - (Tinnerman #A1274-8Z-3)	3
-93	0322127	. Doubler - Inspection opening	1
-94	NAS395-14-3	. Nut - (Tinnerman #A1274-8Z-3)	3
-95	0523700	. Tip Assembly - Wing	1
-96	NAS445-5	. . Nutplate - (Attach navigation light)	3
	PK76XZ-8-8	. Screw - (Attach tip)	10
-97	NAS451-56	. Plug Button - (United Carr #48155)	1
-98	0523004-2	Channel - Door stop support	1
-99	0523004-11	Bracket Assembly - Right door stop	1

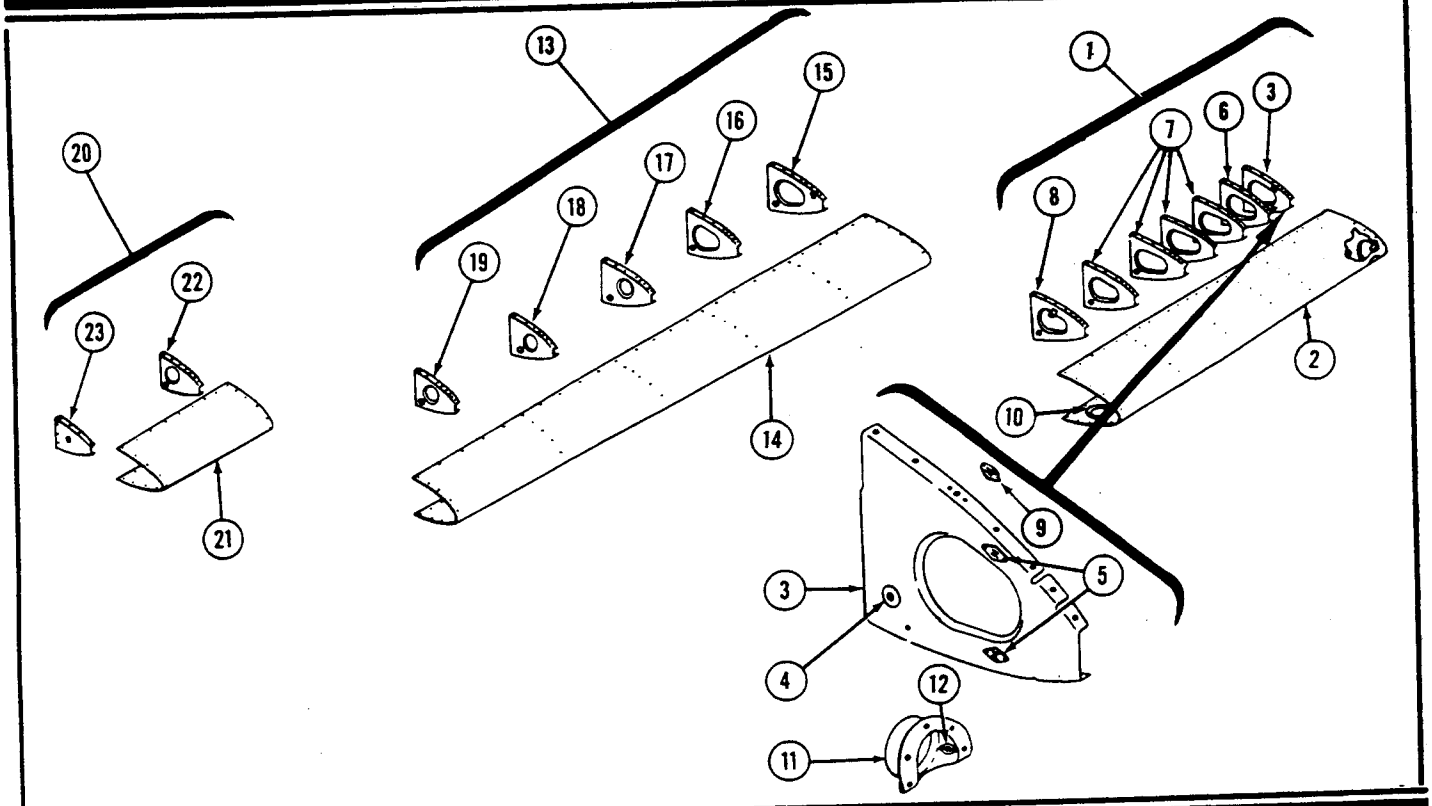


FIGURE 9. RIGHT WING LEADING EDGE ASSEMBLY

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
9-	No Number	Leading Edge Assy - Right wing (0523005 Ref) (see figure 8 for NHA)	Ref
-1	0523005-55	. Leading Edge Assy - Right inboard (Sta. 23.625 to 100)	1
-2	0523007-1	. . Skin - (Sta. 23.625 to 100)	1
-3	0523107-3	. . Rib Assy - Nose (Sta. 23.625)	1
-4	AN230-A2	. . . Grommet	2
-5	NAS444-5	. . . Nut Plate - (Tinnerman A6195-8Z-3)	1
-6	0523107 AN230-A2	. . Rib Assy - Nose (Sta. 32.500)	1
		. . . Grommet	4
-7	0523108 AN230-A2	. . Rib Assy - Nose (Sta. 40.375 to 771.375)	1
		. . . Grommet	1
-8	0523111-2 AN230-A2	. . Rib Assy - Nose (Sta. 85.625)	1
		. . . Grommet	2
-9	NAS444-5	. . Nutplate - (Tinnerman A6195-8Z-3)	1
-10	0511000-20 NAS395-14-3	. . Doubler - Inspection opening	3
		. . Nut - (Tinnerman A1274-8Z-3) (attach doubler)	1
-11	0413157	. . Scoop - Cabin air ventilator	1
-12	NAS446-4	. . Nut Plate - (Tinnerman A1778-8Z-3)	1
-13	0523005-57	. Leading Edge Assy - Right center (Sta. 100 to 190)	1
-14	0523003-11	. . Skin - (Sta. 100 to 190)	1
-15	0523110-2 AN230-A2	. . Rib Assy - Nose (Sta. 1[illegible]	1
		. . . Grommet	1
-16	0523542-1 AN230-A2	. . Rib Assy - Nose (Sta. 118)	1
		. . . Grommet	1
-17	0523512-5 AN230-A2	. . Rib Assy - Nose (Sta. 136)	1
		. . . Grommet	1
-18	0523513-4 AN230-A2	. . Rib Assy - Nose (Sta. 154)	1
		. . . Grommet	1
-19	0523514-4 AN230-A2	. . Rib Assy - Nose (Sta. 172)	1
		. . . Grommet	1
-20	0523005-53	. Leading Edge Assy - Right outboard (Sta. 190 to 208)	1
-21	0523003-57	. . Skin - (Sta. 190 to 208)	1
-22	0523515-4 AN230-A2	. . Rib Assy - Nose (Sta. 190)	1
		. . . Grommet	1
-23	0523516-4 AN230-A2	. . Rib Assy - Nose (Sta. 208)	1
		. . . Grommet	1

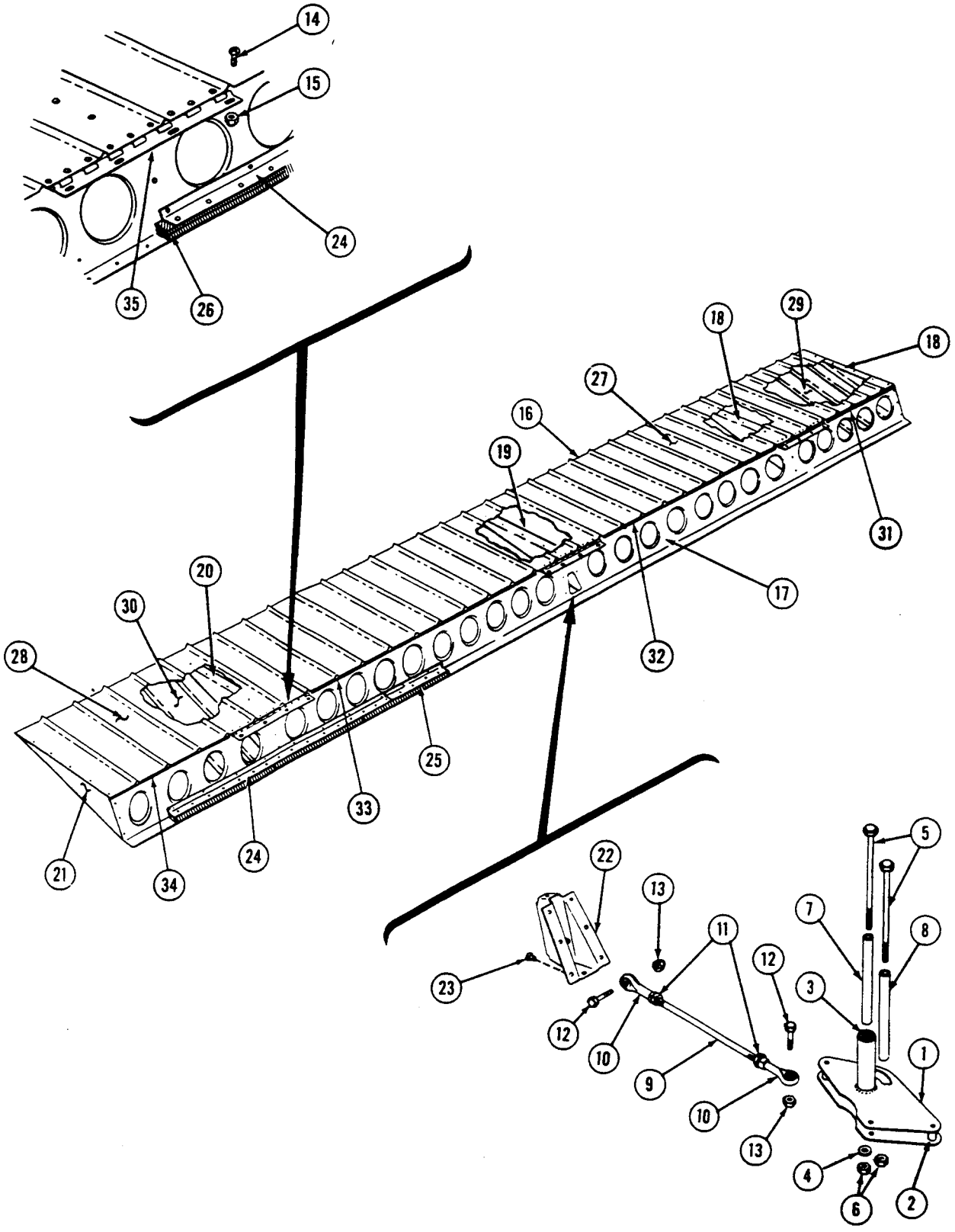


FIGURE 10. . RIGHT AILERON INSTALLATION

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
10-	No Number	Aileron Installation - Right wing (see figure 7 for NHA) (0523800 Ref)	Ref
-1	0523223-1	. Bellcrank Assembly - Aileron	1
-2	0422280	. . Bushing	2
-3	B610	. . Bearing - Torrington	2
-4	0522629	. Washer	1
-5	AN4-42A	. Bolt - (Attach bellcrank)	2
-6	AN365-428	. Nut - (Attach bellcrank)	2
-7	0523221	. Bushing - (Attach bellcrank)	1
-8	0523222	. Bushing - Bellcrank stop	1
	0523218	. Rod Assembly - Aileron push-pull	1
-9	0523218-2	. . Rod - Aileron push-pull	1
-10	F34-14	. . End - Rod	2
-11	AN316-4R	. . Nut - Check	2
-12	AN3-7A	. Bolt - (Attach aileron push-pull rod)	2
-13	AN365-1032	. Nut - (Attach aileron push-pull rod)	2
-14	NAS229-8	. Screw - (Attach aileron hinge to wing)	12
-15	AN365-1032	. Nut - (Attach aileron hinge to wing)	12
-16	0523800-1	. Aileron Assembly - Right wing	1
-17	0523806-1	. . Spar - Right aileron	1
-18	0523808-2	. . Rib #1 - Aileron	2
-19	0523809-1	. . Rib #2 - Right aileron (not available for spares)	1
-20	0523810	. . Rib #3 - Aileron (not available for spares)	1
-21	0523811-1	. . Rib #4 - Aileron	1
-22	0523812	. . Bracket - Control	1
-23	NAS-445-163C-4-8	. . Rivet - (Attach bracket)	6
-24	0523814	. . Bracket - (Attach aileron weight)	1
-25	0523814-2	. . Bracket - (Attach aileron weight)	1
-26	0721109	. . Weight - Aileron balance	3
-27	0523800-7	. . Skin - Upper right inboard (not available for spares)	1
-28	0523800-9	. . Skin - Upper right outboard	1
-29	0523800-11	. . Skin - Lower right inboard (not available for spares)	1
-30	0523800-13	. . Skin - Lower right outboard	1
-31	0523813-1	. . Spacer	1
-32	0523813-8	. . Spacer	1
-33	0523813-6	. . Spacer	1
-34	0523813-7	. . Spacer	1
-35	0523807	. . Hinge Assembly - Aileron	3

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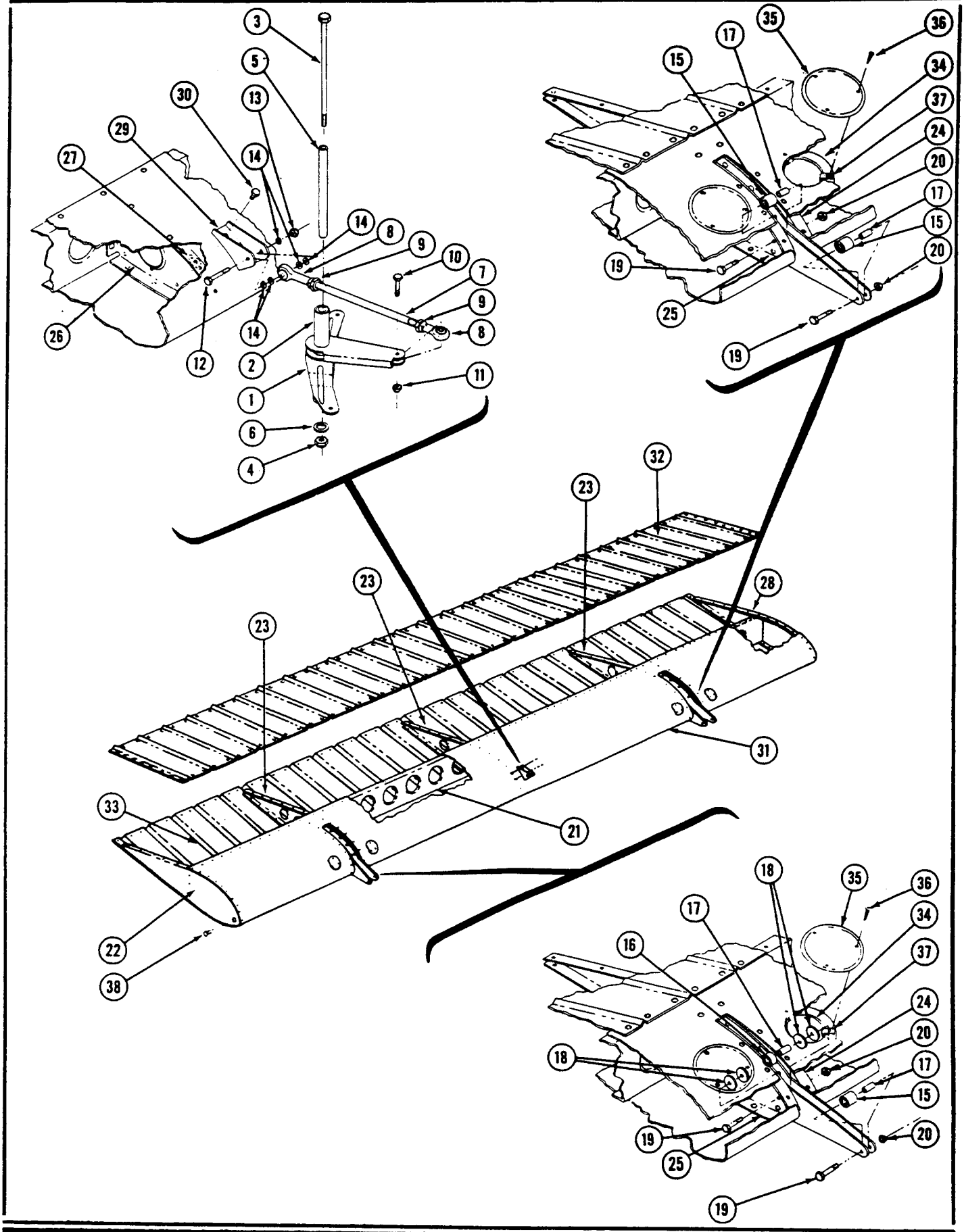

FIGURE 11. RIGHT FLAP INSTALLATION

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
11-	No Number	Flap Installation - Right wing (see figure 7 for NHA)	Ref
-1	0523535-1	. Bellcrank Assembly - Right flap	1
-2	B610	. . Bearing - Torrington	2
-3	AN4-60A	. Bolt - (Attach flap bellcrank)	1
-4	AN365-428	. Nut - (Attach flap bellcrank)	1
-5	0523536	. Bushing - Flap bellcrank	1
-6	0522629	. Washer - Flap bellcrank	1
	0523537	. Rod Assembly - Flap push-pull	1
-7	0523537-2	. . Rod - Flap push-pull	1
-8	F34-14	. . End - Rod	2
-9	AN316-4R	. . Nut - Check	2
-10	AN3-7A	. Bolt - (Attach push-pull rod to bellcrank)	1
-11	AN365-1032	. Nut - (Attach push-pull rod to bellcrank)	1
-12	AN3-12A	. Bolt - (Attach push-pull rod to flap)	1
-13	AN365-1032	. Nut - (Attach push-pull rod to flap)	1
-14	AN960-10	. Washer	5
-15	0523921	. Roller Assembly - Flap attachment	3
-16	0523920	. Roller Assembly - Flap attachment	1
-17	0523919	. Bushing - Flap attachment roller	4
-18	0523922	. Spacer - Flap (outboard roller only)	4
-19	AN3-10A	. Bolt - (Attach flap to wing)	4
-20	AN365-1032	. Nut - (Attach flap to wing)	4
	0523901-1	. Flap Assembly - Right wing	1
-21	0523911-1	. . Spar - Flap	1
-22	0523912	. . Rib - Flap right end	1
-23	0523923	. . Rib - Trailing edge	3
-24	0523901-9	. . Rib Assembly - Flap support arm right	2
-25	0523901-8	. . Rib Assembly - Flap support arm left	2
-26	0523914-2	. . Rib Assembly - Flap leading edge center	1
-27	AN366F1032	. . . Nutplate	2
-28	0523912-1	. . Rib - Flap left end	1
-29	0523918	. . Bracket - Flap control	1
-30	AN3-4A	. . Bolt - (Attach bracket)	2
-31	0523901-3	. . Skin - Right flap leading edge	1
-32	0523901-5	. . Skin - Right flap upper	1
-33	0523901-7	. . Skin - Right flap lower	1
-34	0523916	. . Doubler - Access hole	4
-35	0523917	. . Cover - Access hole	4
-36	PK76XZ-8-8	. . Screw - (Tinnerman A6077-8Z-3) (attach cover)	12
-37	NAS395-13-3	. . Nut - (Attach cover)	12
-38	48172	. Plug Button - (United Carr)	2

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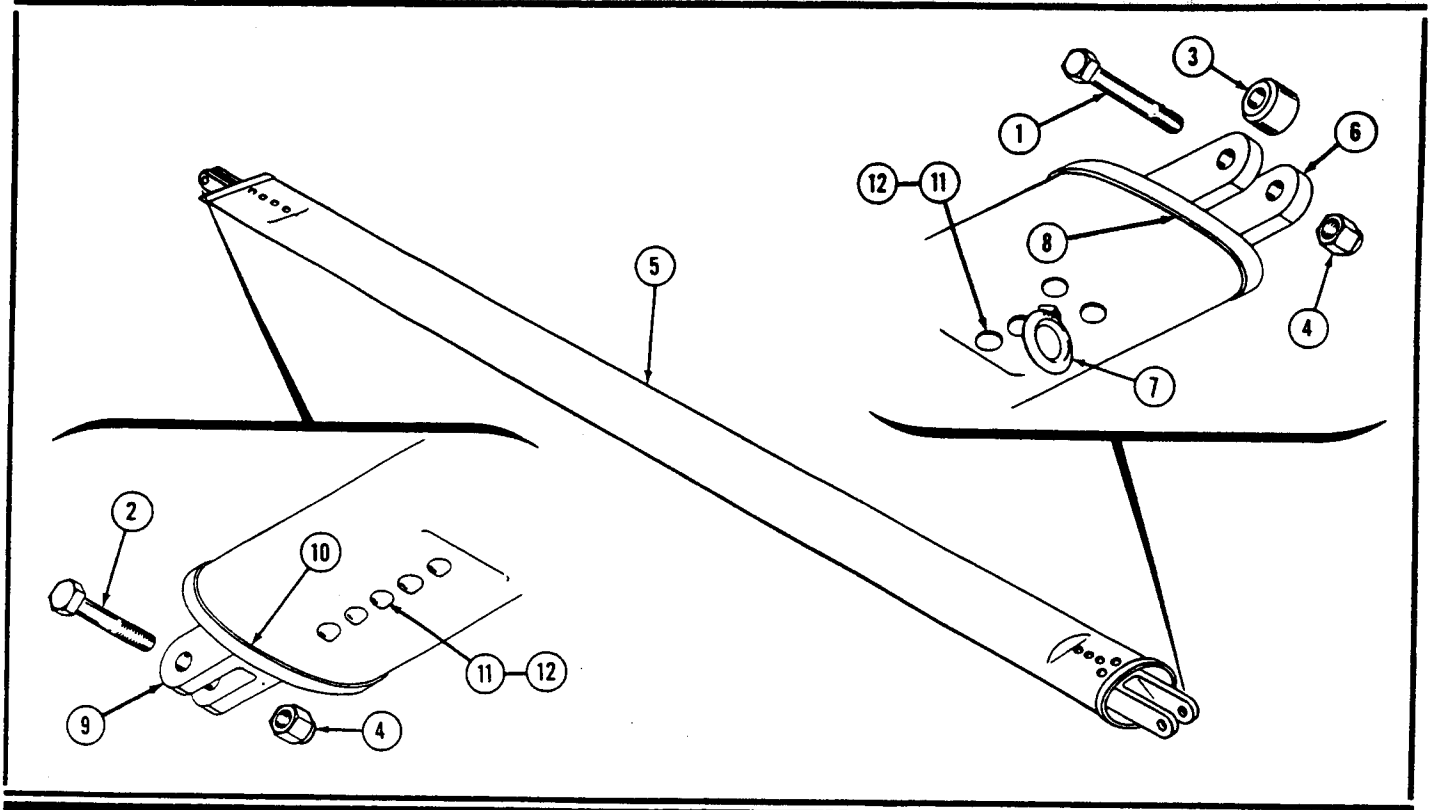

FIGURE 12. WING STRUT INSTALLATION

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
12-	No Number	Strut Installation - Wing (see figure 1 for NHA) (0523606 Ref)	Ref
-1	AN8-24A	. Bolt - (Attach strut to wing)	2
-2	AN8-17A	. Bolt - (Attach strut to fuselage)	2
-3	0523307	. Spacer - (Attach strut to wing)	2
-4	AN365-820	. Nut	4
-5	0523606-10	. Strut Assembly - Left wing	1
	0523606-11	. Strut Assembly - Right wing	1
-6	0523607-2	. . Fitting - Wing strut upper end	1
-7	0523609	. . Ring - Mooring	1
	AN960-516	. . Washer - (Attach mooring ring)	1
	AN365-524	. . Nut - (Attach mooring ring)	1
-8	0523606-5	. . Seal - Upper	1
-9	0523608-2	. . Fitting - Wing strut lower end	1
-10	0523606-4	. . Seal - Lower	1
-11	NAS178-10-26	. . Rivet - Hi-shear (attach fittings)(AN5-20A bolt, alternate)(serial 20267 thru 26038)	9
-12	NAS179-10	. . Collar - (AN960-516 washer & AN365-524 nut, alternate)(serial 20267 thru 26038)	9
	AN426AD10	. . Rivet - Flush (serial 26039 & on)	9

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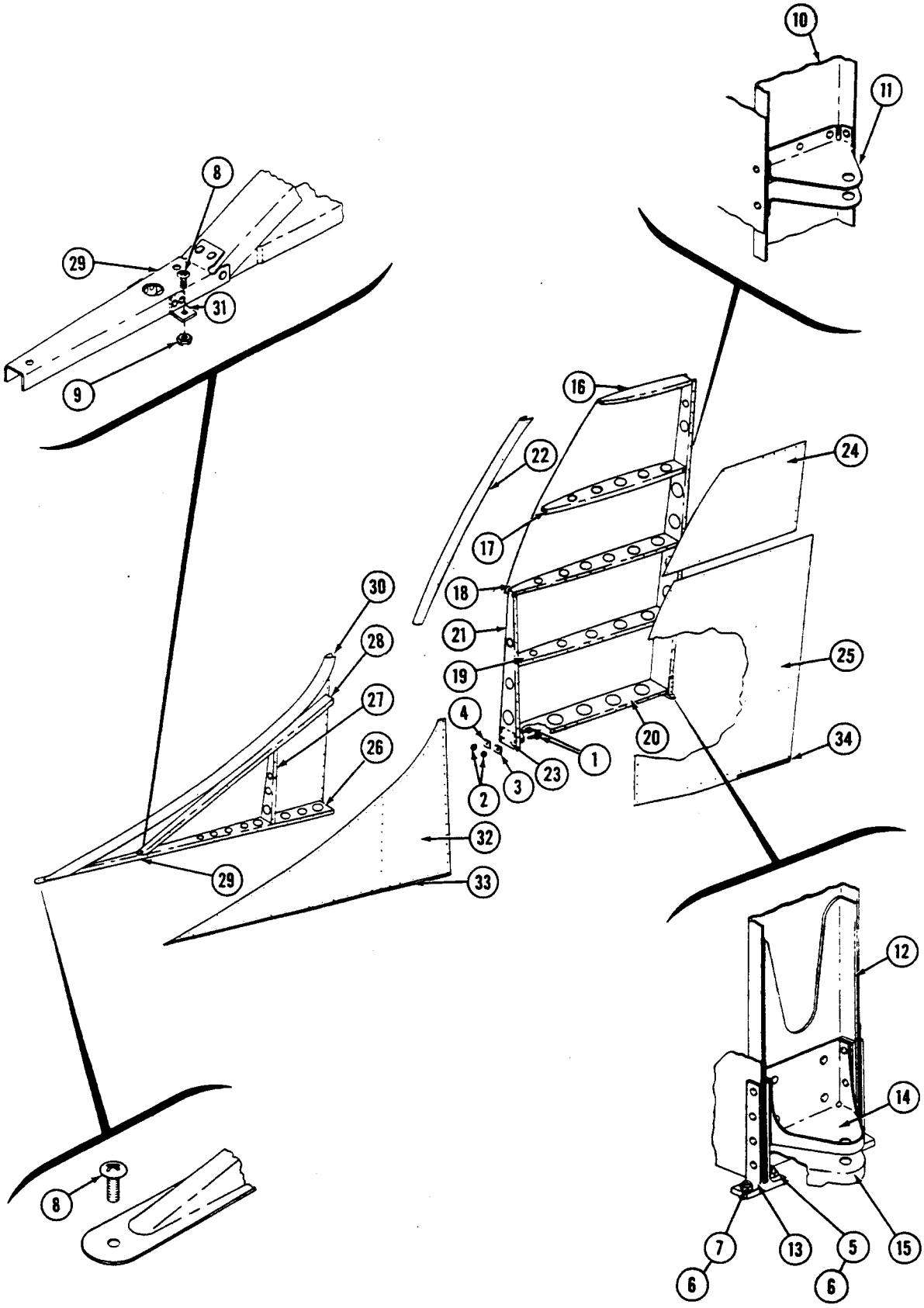

FIGURE 13. FIN AND DORSAL INSTALLATION

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
13-	No Number	Fin & Dorsal Installation - (See figure 1 for NHA) (0530001 Ref)	Ref
-1	AN4-5A	. Bolt - (Attach fin at center)	2
-2	AN365-428	. Nut - (Attach fin at center)	2
-3	0430010-1	. Shim - Empennage installation	AR
-4	0430010-2	. Shim - Empennage installation	AR
-5	NAS145-14	. Bolt - (Attach fin at rear)	2
-6	AN365-524	. Nut - (Attach fin at rear)	4
-7	NAS145-18	. Bolt - (Attach fin at rear)	2
-8	AN526-1032R8	. Screw - (Attach fin at front)	3
-9	AN365-1032	. Nut - (Attach fin)	2
	0531113-50	. Fin & Dorsal Assembly	1
	0331000-52	. . Fin Assembly	1
-10	0331114	. . . Spar - Fin rear	1
-11	0331120	. . . Bracket - Fin upper hinge	2
-12	0331115	. . . Reinforcement - Rear spar lower	1
-13	0331124	. . . Fitting - Rear spar lower	2
-14	0331119	. . . Bracket - Lower hinge	1
-15	0331118	. . . Bracket - Lower hinge	1
-16	0331106	. . . Rib - Upper fin (#5)	1
-17	0331107	. . . Rib - Fin (#4)	1
-18	0331108	. . . Rib - Fin (#3)	1
-19	0331109	. . . Rib - Fin (#2)	1
-20	0331110	. . . Rib - Lower fin (#1)	1
-21	0331125	. . . Spar - Fin front	1
-22	0331127	. . . Leading Edge - Fin upper	1
-23	0331121	. . . Reinforcement - Front spar lower	2
-24	0331000-4	. . . Skin - Fin side upper	2
-25	0331000-6	. . . Skin - Fin side lower	1
	0531112	. . Dorsal Assembly	1
-26	0531108	. . . Rib - Fin lower	1
-27	0531109	. . . Rib - Fin former	1
-28	0531110-1	. . . Channel - Fin stiffener	1
-29	0531111	. . . Rib - Dorsal fin lower forward	1
-30	0331129	. . . Leading Edge - Fin	2
-31	0531112-4	. . . Bracket - Dorsal fin mounting	2
-32	0531112-3	. . . Skin - Dorsal fin side	1
-33	0411875-22	. . Moulding - (X200 rubber channel)	2
-34	0411875-11	. . Moulding - (X200 rubber channel)	

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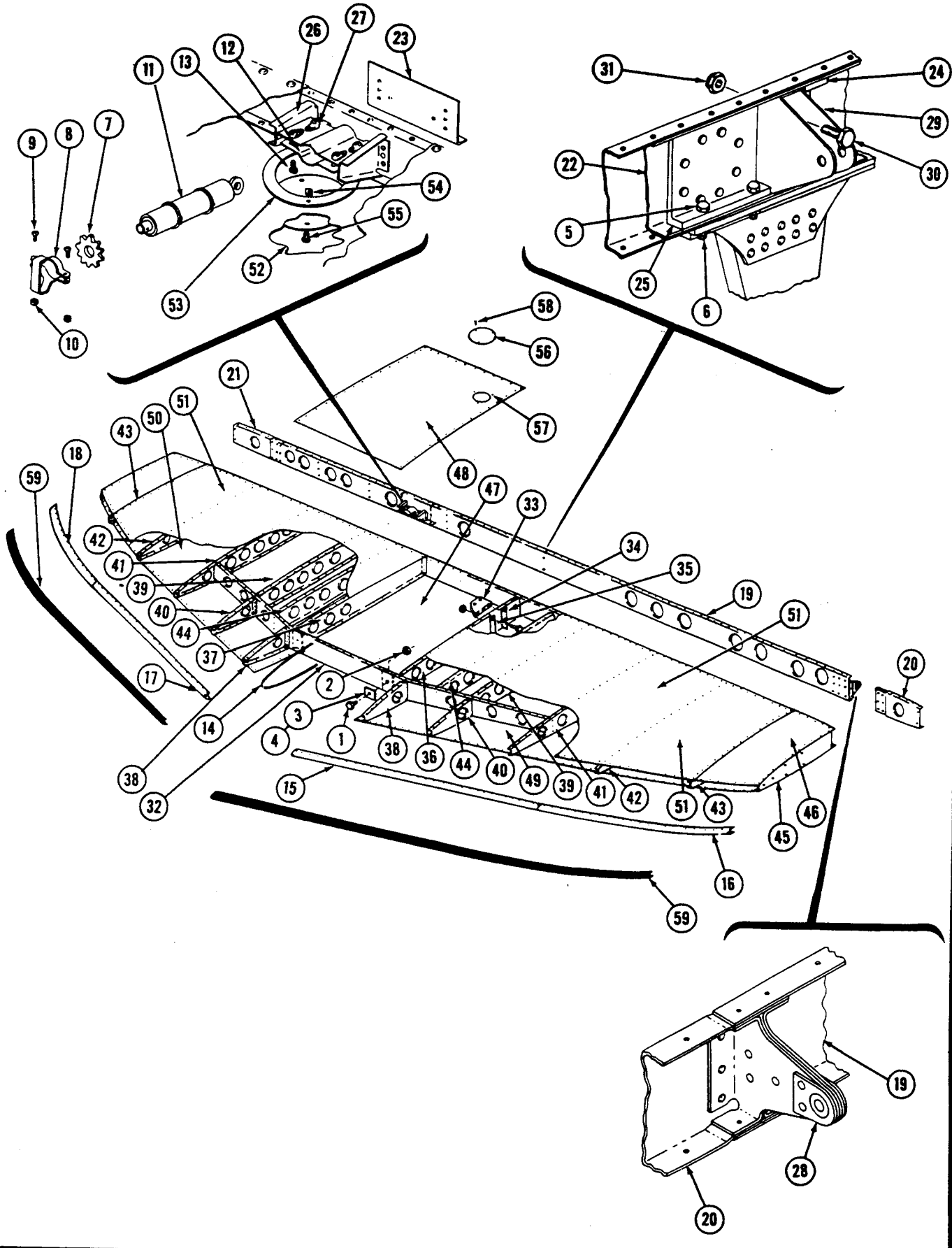

FIGURE 14. STABILIZER INSTALLATION

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
		Stabilizer Installation -Horizontal (see figure 1 for NHA) (0530001 Ref).	Ref
14-	No Number	. Bolt - (Attach stabilizer front spar to bulkhead)	2
-1	AN4-5A	. Nut - (Attach stabilizer front spar to bulkhead)	2
-2	AN365-428	. Shim - Stabilizer attachment (0.20)	AR
-3	0430010-1	. Shim - Stabilizer attachment (0.30)	AR
-4	0430010-2	. Bolt - (Attach rear spar to fuselage)	4
-5	AN4-10A	. Nut - (Attach rear spar to fuselage)	4
-6	AN365-428	. Stabilizer Assembly	1
	0532000	. . Actuator Assembly - Elevator tab	1
	0310293-2	. . . Sprocket - Elevator tab chain	1
-7	0310332	. . . Guard - Elevator tab control chain	1
-8	0310422	. . . Screw - (Attach guard)	2
-9	AN526-832R8	. . . Nut - (Attach guard)	2
-10	AN365-832	. . . Actuator - Elevator tab	1
-11	0310293-11	. . Clamp - (Attach actuator)	2
-12	0432126	. . Screw - (Attach actuator clamp)	4
-13	AN520-10R8	. . Moulding - Rubber	2
-14	0411875-4	. . Stabilizer Assembly - Bare (less tab actuator)	1
	0532000-8	. . . Leading Edge Assembly - Stabilizer left	1
	0532000-16	. . . . Leading Edge - Inboard left	1
-15	0332128-4	. . . . Leading Edge - Outboard left	1
-16	0332127-3	. . . Leading Edge Assembly - Stabilizer right	1
	0532000-17	. . . . Leading Edge - Inboard right	1
-17	0332128-5	. . . . Leading Edge - Outboard right	1
-18	0332127-3	. . . Spar Assembly - Stabilizer rear	1
-19	0532004	. . . . Spar - L.H. tip	1
-20	0532005-1	. . . . Spar - R.H. tip	1
-21	0532005-2	. . . . Reinforcement - Rear spar	1
-22	0332109	. . . . Reinforcement - Rear spar (right side only)	1
-23	0332131	. . . . Plate - Rear spar fin attachment	2
-24	0332110	. . . . Plate - Stabilizer rear spar attachment	2
-25	0332111-3	. . . . Bracket Assy - Tab actuator attachment	1
-26	0332134	. . . . . Anchor Nut - Esna	4
-27	22A3-02	. . . . Hinge - Stabilizer spar outboard	2
-28	0534114-3	. . . . Hinge - Stabilizer spar inboard	1
-29	0534118	. . . . Bolt - (Attach hinge)	2
-30	AN3-4A	. . . . Nut - (Attach hinge)	2
-31	AN365-1032	. . . Spar Assembly - Stabilizer front	1
-32	0332114	. . . Bracket - Elevator tab pulley	1
-33	0332116	. . . Angle - Stabilizer #1 rib stiffener left	1
-34	0332129	. . . Bolt - (Attach bracket & angle)	1
	AN3-4A	. . . Nut - (Attach bracket & angle)	1
	AN365-1032	. . . Angle - Stabilizer #1 rib stiffener right	1
-35	0332129-1	. . . Rib - Stabilizer center L.H. #1	1
-36	0332118	. . . Rib - Stabilizer center R.H. #1	1
-37	0332118-1	. . . Rib - Stabilizer nose #1	2
-38	0332119	. . . Rib - Stabilizer center #2	2
-39	0332120	. . . Rib - Stabilizer nose #2	2
-40	0332121	. . . Rib - Stabilizer #3	2
-41	0332122	. . . Rib - Stabilizer #4	2
-42	0332123	. . . Rib - Stabilizer #5	2
-43	0332124	. . . Rib - Stabilizer - Center	2
-44	0332105	. . . Rib - Stabilizer tip	2
-45	0532007	. . . Skin - Stabilizer tip (top & bottom)	4
-46	0532000-3	. . . Skin - Stabilizer bottom center	1
-47	0532000-4	. . . Skin - Stabilizer upper center	1
-48	0532000-5	. . . Skin - Stabilizer lower left	1
-49	0532000-9	. . . Skin - Stabilizer lower right	1
-50	0532000-11	. . . Skin - Stabilizer upper	2
-51	0532000-12	. . . Plate - Tab actuator cover	1
-52	0432123	. . . Retainer - Tab actuator cover	1
-53	0432155	. . . Nut - (Attach actuator cover)(Tinnerman A1274-8Z-3)	4
-54	NAS395-14-3	. . . Screw - (Attach actuator cover)	4
-55	PK76XZ-8-8	. . . Plate - (Inspection opening)	1
-56	0311516	. . . Nut - (Attach plate)	4
-57	NAS444-5	. . . Screw - (Attach plate)	2
-58	PK76XZ-8-8	Boot - Abrasion (optional equipment)	2
-59	0332136-4		

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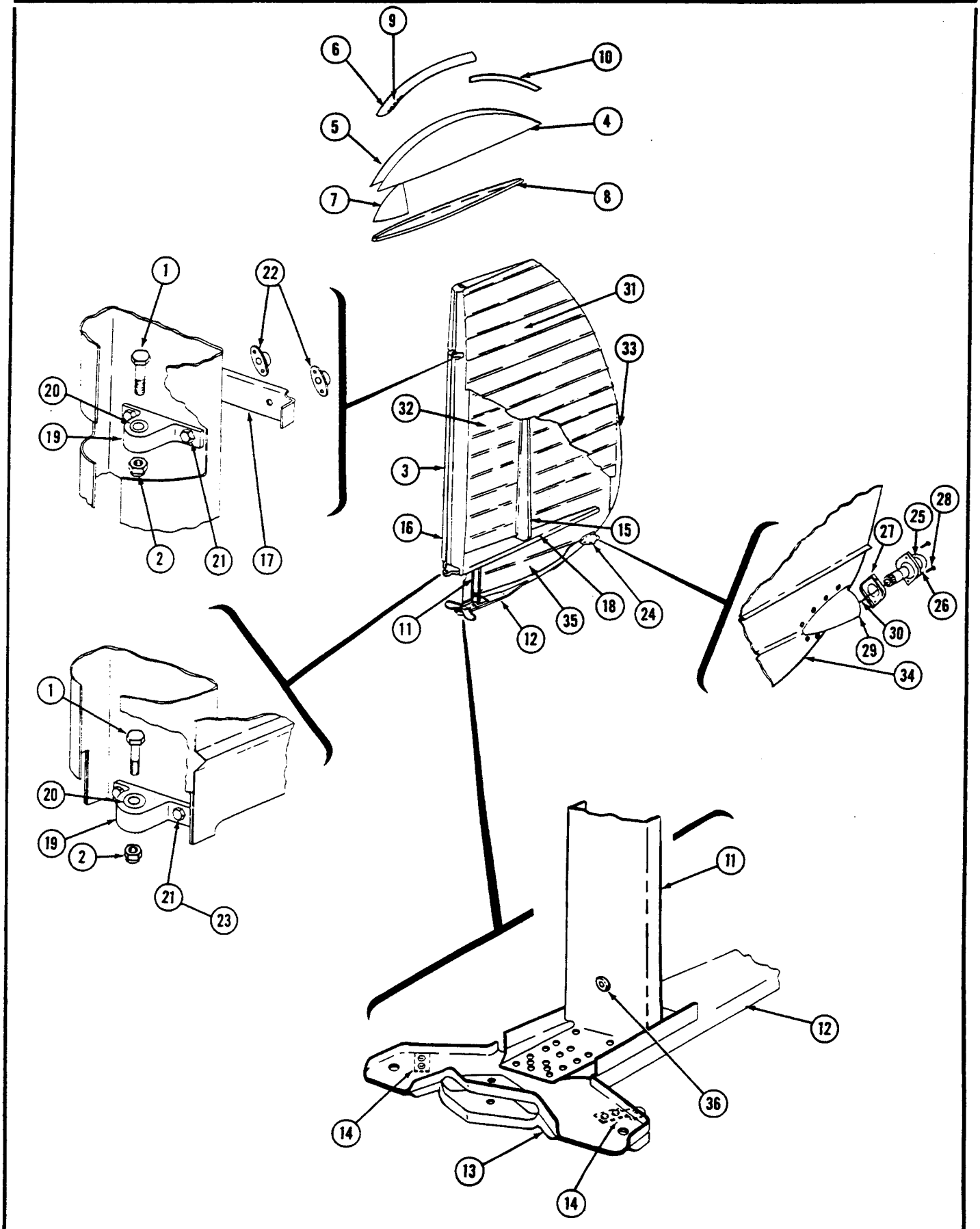

FIGURE 15. RUDDER INSTALLATION

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
15-	No Number	Rudder Installation -(See figure 1 for NHA)(0530001 Ref)	Ref
-1	AN4-11A	. Bolt - (Attach rudder to fin)	2
-2	AN365-428	. Nut - (Attach rudder to fin)	2
-3	0533000-3	. Rudder Assembly	1
	0533000-10	. . Tip Assembly - Rudder	1
-4	0333000-3	. . . Skin - Rudder tip left	1
-5	0333000-6	. . . Skin - Rudder tip right	1
-6	0333127	. . . Leading Edge - Rudder tip	1
-7	0333117-1	. . . Weight - Rudder balance	1
-8	0333113	. . . Rib - Rudder tip	10
-9	CR163C-4-8	. . . Rivet - Cherry (install tip leading edge)	1
-10	0333114	. . . Stiffener - Rudder tip	1
	0533000-30	. . Bellcrank Assembly	1
-11	0533000-13	. . . Channel - Bellcrank support	1
-12	0533000-12	. . . Rib Assembly - Lower	1
	0533000-6	. . . . Rib - Rudder - Lower aft	1
	0533300-8	. . . . Rib - Rudder - Lower forward	1
-13	0433113	. . . . Bellcrank - Rudder	2
-14	0433132	. . . . . Tab - Tailwheel steering	1
-15	0333115	. . Spar - Rudder rear	1
-16	0333132	. . Spar - Rudder front	1
-17	0333128	. . Channel - Rudder upper hinge bearing	1
-18	0533131	. . Rib - Rudder intermediate	2
-19	0333119	. . Hinge - Rudder	2
-20	SIK-5	. . . Bearing - Fafnir	4
-21	AN3-5A	. . Bolt - (Attach hinge)	2
-22	AN366F1032	. . Nutplate - (Attach upper hinge)	2
-23	AN365-1032	. . Nut - (Attach lower hinge)	1
-24	0433006	. . Light - Tail	1
-25	0433006-2	. . . Lens - Tail light clear	1
-26	0433006-3	. . . Lamp - Single contact base	1
-27	0433007	. . Mount - Tail light	2
-28	AN515-4R6	. . Screw - (Attach mount)	1
-29	0433121	. . Support - Tail light mount	1
-30	0500005-41	. . Wire Assembly - Tail light	1
	0533000-35	. . Skin Assembly	1
-31	0533000-20	. . . Skin - Rudder left	1
-32	0533000-21	. . . Skin - Rudder right	1
-33	0333116	. . . Tab - Rudder	1
-34	0533000-14	. . Skin - Rudder lower left	1
-35	0533000-15	. . Skin - Rudder lower right	1
-36	AN931-3-5	. . Grommet	1

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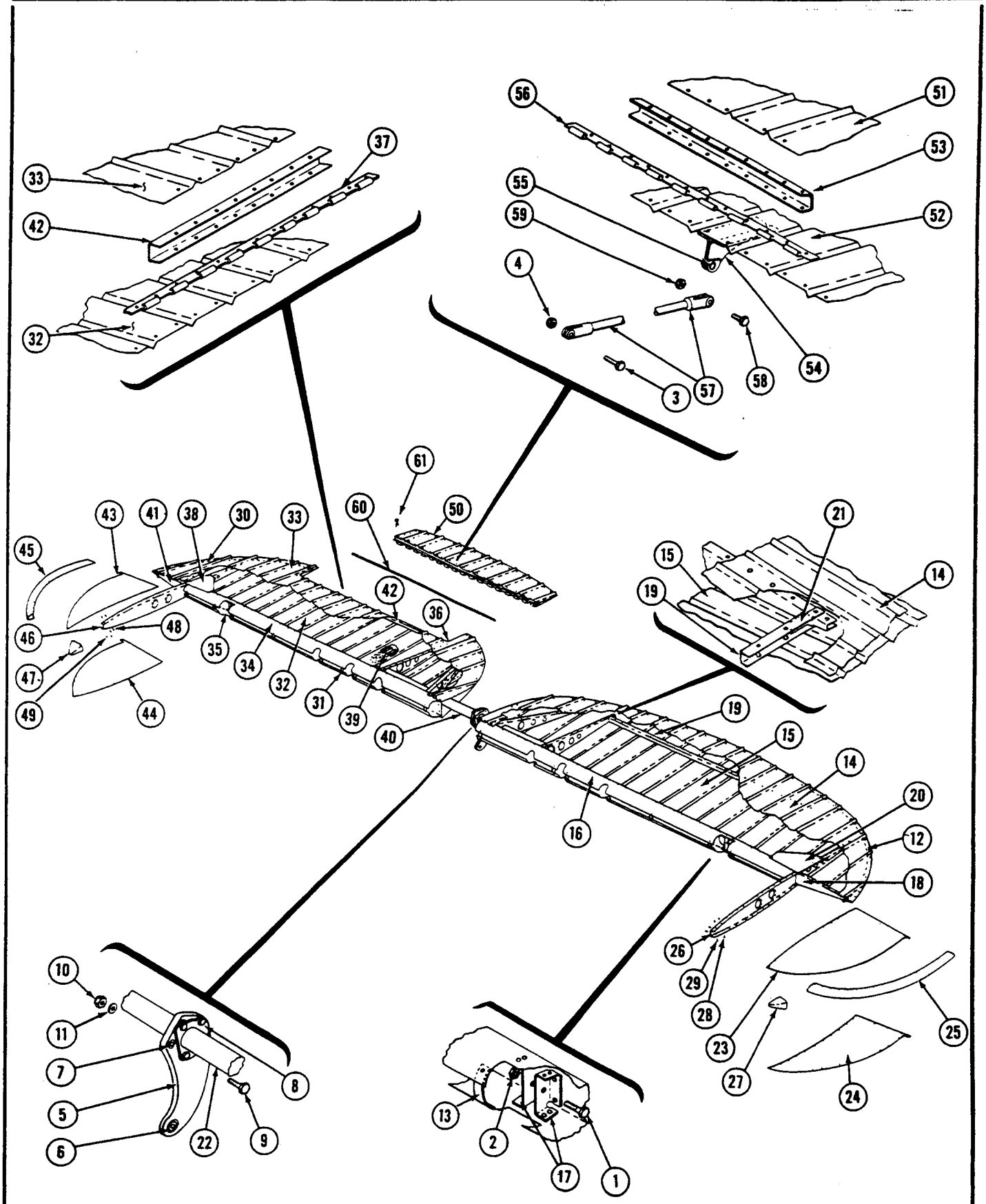

FIGURE 16. ELEVATOR INSTALLATION

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
			Ref
16-	No Number	Elevator Installation - (0530001 Ref) (see figure 1 for NHA)	2
-1	AN4-11A	. Bolt - (Attach elevator)	2
-2	AN365-428	. Nut - (Attach elevator)	1
-3	AN3-7A	. Bolt - (Attach tab push-pull tube to actuator)	1
-4	AN365-1032	. Nut - (Attach tab push-pull tube to actuator)	1
-5	0534107	. Pylon Assembly - Elevator	1
-6	KS4	- . . Bearing - Fafnir	1
-7	AR4-1	. . Bearing - Torrington	4
-8	AN4-10A	. Bolt - (Attach elevator to pylon)	4
	AN960-416	. Washer - (Attach elevator to pylon)	4
	AN365-428	. Nut - (Attach elevator to pylon)	1
-9	AN4-11A	. Bolt - (Attach pylon to stabilizer hinge)	1
-10	AN365-428	. Nut - (Attach pylon to stabilizer hinge)	1
-11	AN960-416L	. Washer - (Attach pylon to stabilizer hinge)	1
	0534100	. Elevator Assembly - Left	1
-12	0534100-7	. . Stiffener - Elevator tip outboard	6
-13	0534110	. . Clip - Elevator spar front	1
-14	0534100-4	. . Skin - Left elevator upper	1
-15	0534100-5	. . Skin - Left Elevator lower	1
-16	0534108	. . Spar - Elevator front	2
-17	0534111	. . Hinge - Elevator spar	1
-18	0534120	. . Spar - Elevator tip	1
-19	0534116-4	. . Spar - Elevator rear	1
-20	0534119-1	. . Doubler - Left elevator upper	1
	0534119-2	. . Doubler - Left elevator lower	1
-21	0534115	. . Clip - (Attach rib to spar)	1
-22	0534109	. . Torque Tube Assembly - Left elevator	1
	0534100-6	. . Tip Assembly - Left elevator	1
-23	0534100-3	. . . Skin - Elevator tip upper	1
-24	0534100-20	. . . Skin - Elevator tip lower	1
-25	0534112	. . . Leading Edge - Elevator tip	1
-26	0534113	. . . Rib - Elevator tip	1
-27	0534100-9	. . . Weight - Left elevator tip	2
-28	NAS445-163C-4-2	. . . Rivet - (CR163C-4-2)	4
-29	NAS445-163C-4-8	. . . Rivet - (CR163C-4-8)	1
	0534101	. Elevator Assembly - Right	1
	0534101-50	. . Elevator Assembly - Right (less tab)	1
-30	0534100-7	. . . Stiffener - Elevator tip outboard	6
-31	0534110	. . . Clip - Elevator spar front	1
-32	0534101-4	. . . Skin - Right elevator lower	1
-33	0534101-5	. . . Skin - Right elevator upper	1
-34	0534108	. . . Spar - Elevator front	2
-35	0534111	. . . Hinge - Elevator spar	1
-36	0534115	. . . Clip - (Attach rib to spar)	1
-37	0534101-11	. . . Hinge - Elevator half	1
-38	0534119-1	. . . Doubler - Right elevator lower	1
	0534119-2	. . . Doubler - Right elevator upper	1
-39	0334126	. . . Cover - Push-pull tube	1
-40	0534109-1	. . . Torque Tube Assembly - Right elevator	1
-41	0534120	. . . Spar - Elevator tip	1
-42	0534116-4	. . . Spar - Elevator rear	1
	0534101-9	. . . Tip Assembly - Right elevator	1
-43	0534100-3	. . . . Skin - Elevator tip upper	1
-44	0534100-20	. . . . Skin - Elevator tip lower	1
-45	0534112	. . . . Leading Edge - Elevator tip	1
-46	0534113	. . . . Rib - Elevator tip	1
-47	0534101-13	. . . . Weight - Right elevator tip	2
-48	NAS445-163C-4-2	. . . . Rivet - (CR163C-4-2)	4
-49	NAS445-163C-4-8	. . . . Rivet - (CR163C-4-8)	1
-50	0534101-6	. . Tab Assembly - Right elevator	1
-51	0534101-7	. . . Skin - Tab upper	1
-52	0534101-8	. . . Skin - Tab lower	1
-53	0534116-3	. . . Spar - Elevator tab	1
-54	0534117	. . . Horn Assembly - Elevator tab	1
-55	PN-3A	. . . . Bearing - Torrington	1
-56	0534101-12	. . . Hinge - Tab half	1
-57	0334109-6	. . Tube Assembly - Elevator tab push-pull	1
-58	AN3-7A	. . Bolt - (Attach push-pull tube to horn)	1
-59	AN365-1032	. . Nut - (Attach push-pull tube to horn)	1
-60	AN253-2-2812	. . Pin - Hinge (attach tab)	
-61	AN381-1-8	. . Pin - Cotter (attach tab)	

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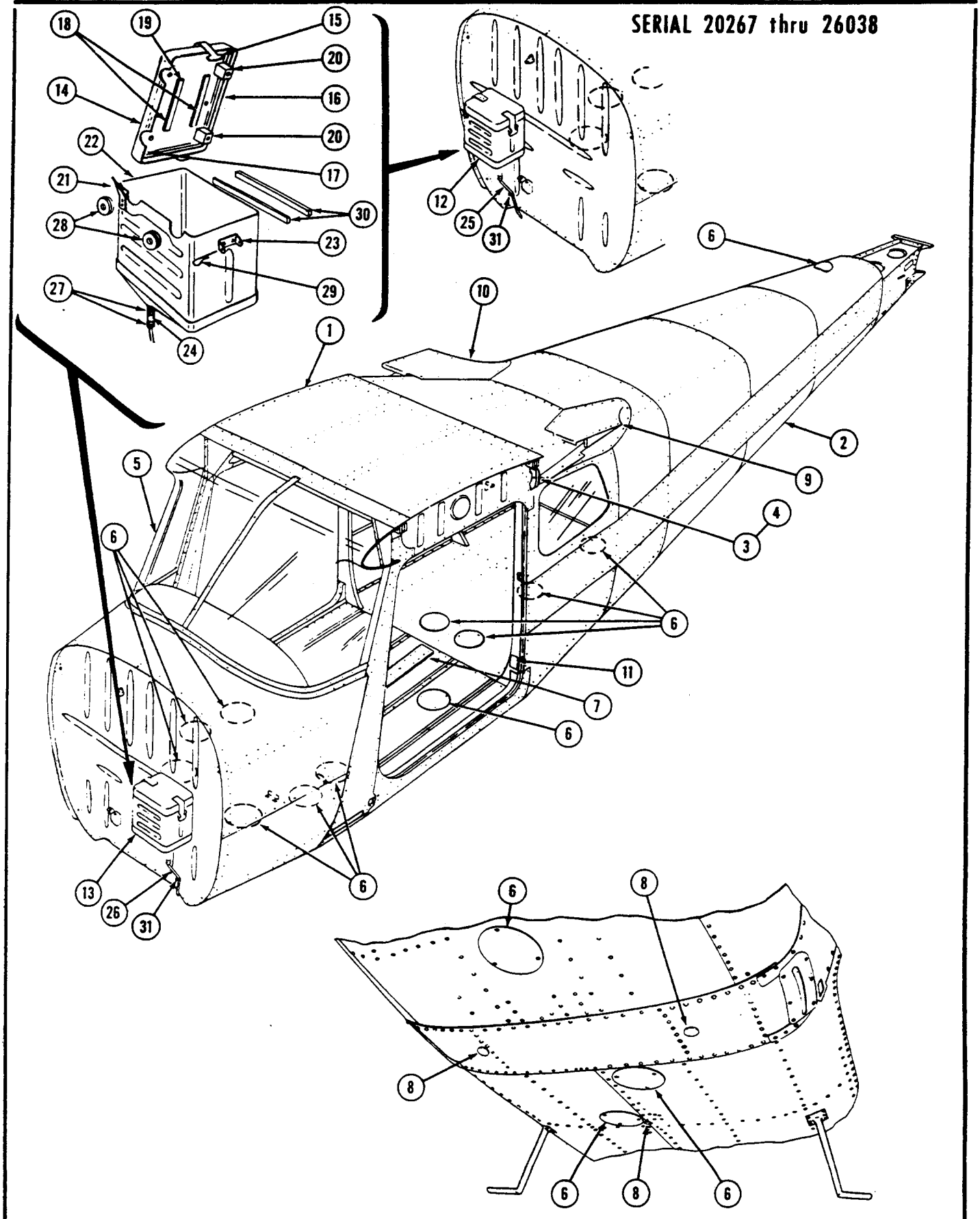

FIGURE 17. FUSELAGE ASSEMBLY

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
17-	0510000-53	Fuselage Assembly - (Serial 20267 thru 25372) (bare with windshield, rear windows and electrical wiring) (see figure 1 for NHA)	Ref
	0591000-1	Fuselage Assembly - (Serial 25373 thru 26995) (see figure 1 for NHA)	Ref
	0591000-4	Fuselage Assembly - (Serial 26996 & on)	Ref
-1	0511000-54	. Front & Center Section - Fuselage (serial 20267 thru 25372) (see figure 18 for bkdn)	1
	0591100-1	. Front & Center Section - Fuselage (serial 25373 & on) (see figure 18 for breakdown)	1
-2	0591200-1	. Aft Section - Fuselage (see figure 23 for breakdown) (serial 20267 thru 26995)	1
	0591200-6	. Aft Section Assembly - (Serial 26996 & on) (see figure 23 for breakdown)	1
-3	0512146	. Plate - LH	1
	0512146-1	. Plate - RH	1
-4	0512149-1	. Bracket - Flap pulley left	1
	0512149-2	. Bracket - Flap pulley right	1
-5	No Number	. Windshield Installation - (See figure 22 for breakdown)	13
-6	0311516	. Plate - Inspection opening cover	41
	49390	. Stud - Tri-mount (United Carr)	1
-7	0311516-4	. Plate - Inspection opening cover	18
	PK76XZ-8-8	. Screw - (Attach cover plates)	3
-8	NAS451-51	. Plug Button - (United Carr #48143)	1
-9	0512153-1	. Wing Fillet Assembly - Left (serial 20267 thru 26038)	1
	0512153-7	. Wing Fillet Assembly - Left (serial 26039 & on)	1
-10	0512153-2	. Wing Fillet Assembly - Right (serial 20267 thru 26038)	1
	0512153-8	. Wing Fillet Assembly - Right (serial 26039 & on)	1
-11	0413261	Name Plate - M.A.A.	1
-12	0513011	Box Assembly - Battery (serial 20267 thru 26038)	1
-13	0513011-8	Box Assembly - Battery (serial 26039 & on)	1
-14	0413307-21	. Lid Assembly - Battery box	2
-15	0413307-17	. . Fastener	1
-16	0413307-4	. . Seal - Battery box rear	1
-17	0413307-8	. . Seal - Battery box forward	2
-18	0413307-5	. . Spacer - Battery box	2
-19	0413307-6	. . Insulator - Battery box	2
-20	0413307-7	. . Insulator - Battery box	4
	AN545-8R6	. . Screw - (Attach insulator to lid)	1
-21	0513018	. . Support - Control (serial 20267 thru 26038)	1
-22	0513011-3	. Box Assembly - Battery (less lid)	2
-23	0413307-13	. . Catch - Battery box	1
-24	AN884-6-9	. Tube - Battery box drain (rubber)	1
-25	0513011-2	. Tube - Battery box drain lower (serial 20267 thru 26038)	1
-26	0500106-151	. Tube - Battery box drain lower (serial 26039 & on)	1
-27	NAS397-12	. Clamp - (Tinnerman A3122-12-59)	2
-28	AN931-11-16	. Grommet	2
-29	AN415-2	. Pin - Lock	2
-30	0513011-4	. Spacer - Battery box	1
-31	NAS742D8	Clamp - (Tinnerman A2980A-6)	1
	PK76XZ-8-6	Screw - (Attach clamp)	1
	NAS444-6	Nut - (Tinnerman A1778-8Z-3) (attach clamp)	1

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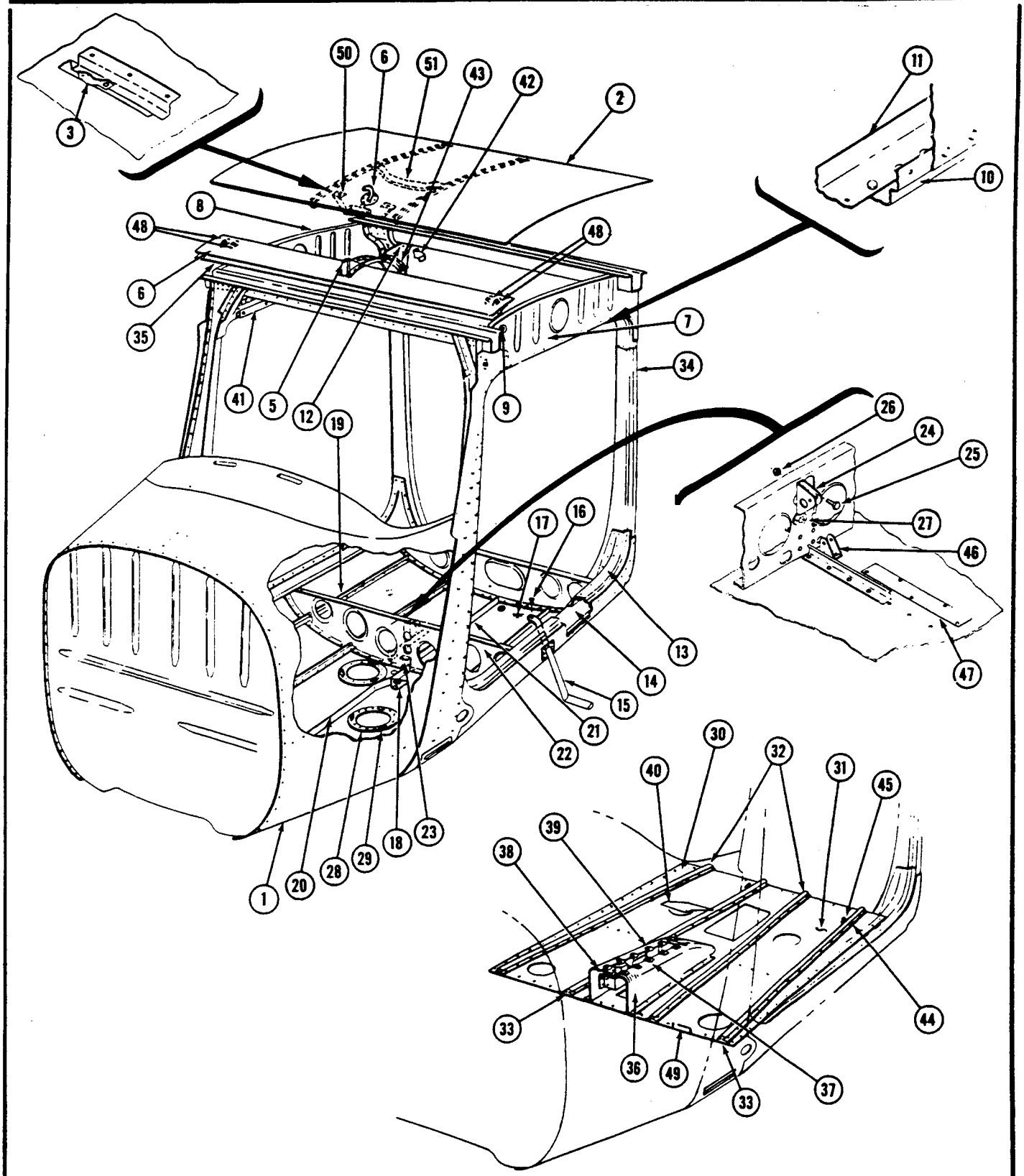

FIGURE 18. FUSELAGE FRONT-AND-CENTER SECTION ASSEMBLY

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
18-	0511000-54	Front & Center Section Assembly - Fuselage (serial 20267 thru 25372)(see fig. 17 for NHA)	Ref
	0591100-1	Front & Center Section Assembly - Fuselage (serial 25373 & on) (see figure 17 for NHA)	Ref
-1	0513000-55	. Front Section Assembly - Fuselage (serial 20267 thru 25372)(see figure 19 for breakdown)	1
	0591300-5	. Front Section Assembly - Fuselage (serial 25373 & on) (see figure 20 for breakdown)	1
-2	0511114-4	. Top Assembly - Cabin (serial 20267 thru 20435)	1
	0511114-6	. Top Assembly - Cabin (serial 20436 & on)	1
-3	0411680	. . Hanger - Interior trim	1
-4	0511118	. Vent Assembly - Fuel tank	1
-5	0411670	. Bracket - Antenna mast (serial 20267 thru 26996)	1
-6	0511000-24	. Cap - Fuselage front spar	1
-7	0511000-39	. Rib - Fuselage forward section left	1
-8	0511000-40	. Rib - Fuselage forward section right	2
-9	AN931-3-5	. Grommet	1
-10	0511000-6	. Frame - Door upper outboard left	1
	0511000-7	. Frame - Door upper outboard right	1
-11	0511000-22	. Frame - Door upper inboard left	1
	0511000-23	. Frame - Door upper inboard right	1
-12	0511000-9	. Gusset - Upper rear door jamb right	1
	0511000-8	. Gusset - Upper rear door jamb left	1
-13	0511116	. Sill Assembly - Door lower left	1
	0511116-1	. Sill Assembly - Door lower right	1
-14	0511000-36	. Support - Left door lower sill	1
	0511000-37	. Support - Right door lower sill	
-15	Deleted	.	
	Deleted	.	1
	0711006-1	. Step Assembly - Left	1
	0711006-2	. Step Assembly - Right.	2
-16	AN525-416R9	. Screw - (Attach step)	2
	AN365-428	. Nut - (Attach step)	1
-17	0511000-34	. Skin - Fuselage center section lower (sta. 27.812 to 65.33)	1
-18	0311752-16	. Bracket - Tab pulley	4
-19	0511000-11	. Stringer - Fuselage center section	1
-20	0511000-35	. Stringer - Fuselage center section	1
-21	0511000-38	. Stringer - Fuselage center section	1
-22	0511109-7	. Bulkhead Assembly - Fuselage (sta. 44.00)(when exhausted use 0511290-1)	1
	0511290-1	. Bulkhead Assembly - Fuselage (sta. 44.00)(serial 26996 & on)	1
-23	0511192	. . Bracket - Fuel selector valve	1
-24	0411447	. . Pulley Bracket - Elevator	1
-25	AN520-10R7	. . Screw - (Attach pulley bracket)	1
-26	AN365-1032	. . Nut - (Attach pulley bracket)	1
-27	0412006	. Fairlead - Control elevator	2
-28	0511000-20	. Doubler - Inspection opening (used with 0511000-31 & -32 skins)	2
	0710100	. Doubler - Inspection opening (used with 0511000-34 skin)	6
-29	NAS395-14-3	. Nut - (Tinnerman #A1786-8Z-3) (attach doubler)	1
-30	0511000-56	. Floorboard Assembly - Fuselage center section	1
-31	0511000-41	. . Sheet - Floorboard	2
-32	0511000-14	. . Rail - Front seat left inboard and right outboard	2
-33	0511000-15	. . Rail - Front seat left outboard and right inboard	1
-34	0791100-5	. Bulkhead Assembly - Fuselage aft section (sta. 65.33)(see fig. 24 for breakdown)	1
-35	0511000-25	. Retainer - Windshield top (see figure 22 for breakdown)	1
-36	0510114-50	. Bulkhead Assembly - Fuselage tunnel aft left	5
-37	NAS395-12-3	. . Nut - (Tinnerman #A1786-8Z-3)	1
-38	0510114-51	. Bulkhead Assembly - Fuselage tunnel aft right	5
-39	NAS395-12-3	. . Nut - (Tinnerman #A1786-8Z-3)	1
-40	0510129-3	. Plate - Fuselage tunnel rear	2
-41	0511153	. Retainer Assembly - Headliner	1
-42	0511150-1	. Bracket - Upholstery fairing attachment right	1
	0511150	. Bracket - Upholstery fairing attachment left	1
-43	0511151-1	. Retainer - Headliner right	1
	0511151	. Retainer - Headliner left	1
-44	0511301-67	. Bushing - Seat stop	4
-45	AN380-4-3	. Pin - Cotter	2
-46	0510174	. Bracket - Flap pulley	1
-47	0511000-60	. Strip - Rub	1
-48	NAS444-4	. Nutplate - (Tinnerman #A6191-8Z-3)	4
-49	0511142-2	. Angle - Control lock	1
-50	0710102	. Bracket - Instrument light (serial 26996 & on)	1
-51	0710102	. Bracket - (Serial 26996 & on)	1
	0511296	. Angle - (Serial 26996 & on)	2

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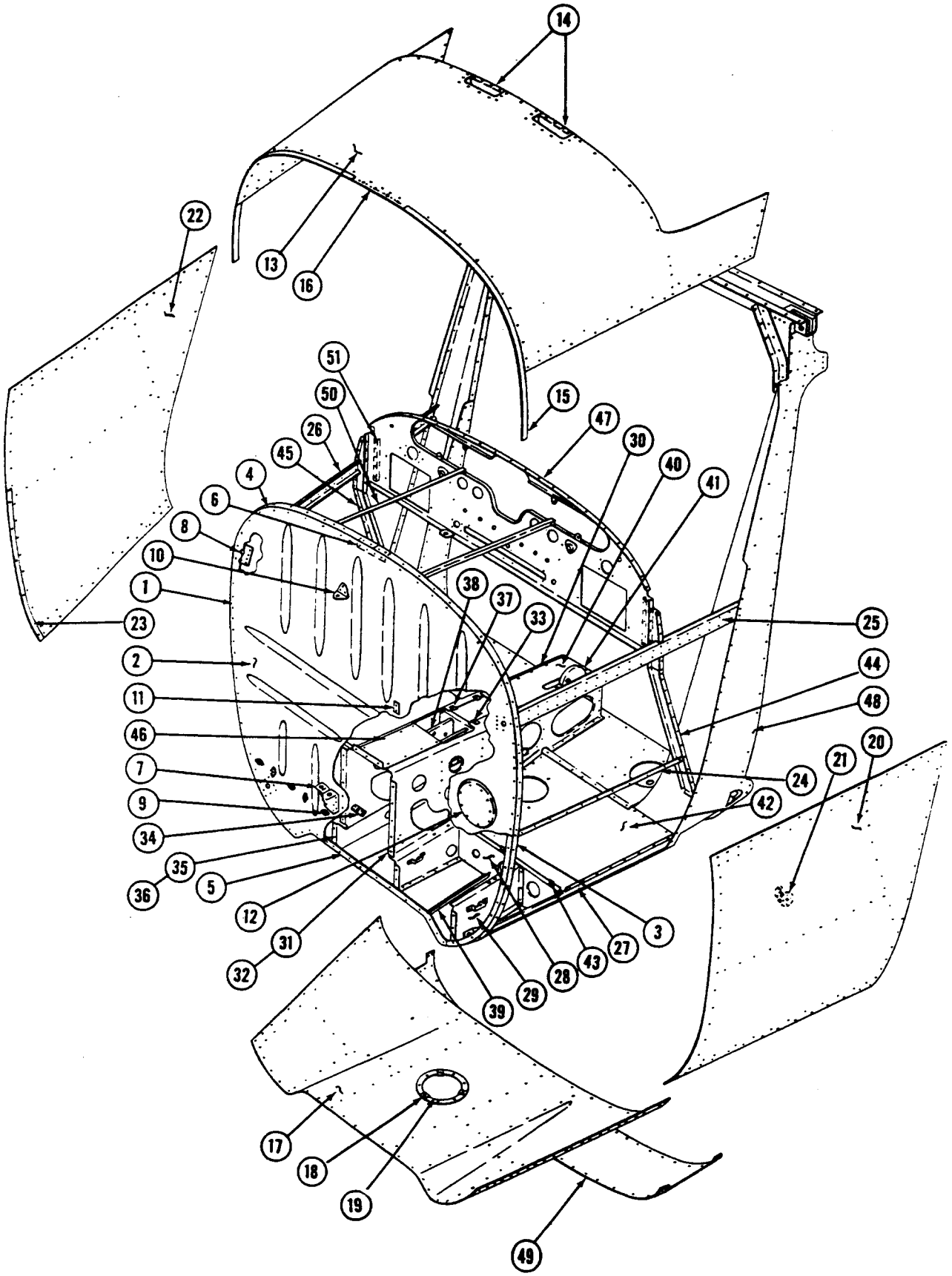

FIGURE 19. FUSELAGE FRONT SECTION ASSEMBLY (SERIALS 20267 THRU 25372)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
19-	0513000-55	Structure Assembly - Fuselage front section (serial 20267 thru 25372)(see fig. 18 for NHA)	Ref
-1	0513228-21	. Firewall Assembly	1
-2	0513101-3	. . Sheet - Firewall	1
-3	0513102	. . Angle - Left	1
-4	0513102-1	. . Angle - Right	1
-5	0513103	. . Angle - Bottom	1
-6	0513106	. . Angle - Top	1
-7	0450111	. . Bracket - Fuel strainer	1
-8	0453110	. . Plate - Firewall	4
-9	NAS444-5-3	. . Nut - (Tinnerman #A6195-8Z-3)	10
-10	0450284	. . Bracket Assembly - Starter control	1
-11	0513100	. . Doubler	2
-12	0453112	. . Cover - Cabin heater aperture	1
	PK76XZ-6-8	. . Screw - (Attach cover)	16
	NAS446-3	. . Nut - (Tinnerman #A1777-6Z-3) (attach cover)	16
-13	0513000-19	. Skin - Fuselage front section upper	1
-14	0413106	. Handle - Assist	2
-15	0513000-3	. Rub Strip - Fuselage skin	2
-16	NAS444-5-3	. Nut - (Tinnerman #A6195-8Z-3) (attach cowl)	4
-17	0513000-13	. Skin - Fuselage front section lower	1
-18	NAS395-14-3	. Nut - (Tinnerman #A1274-8Z-3)	3
-19	0511000-20	. Doubler - Access opening	1
-20	0513000-14	. Skin - Fuselage front section left	1
-21	0413137	. Flange - Pitot static line	1
	AN823-4D	. Elbow	1
-22	0513000-15	. Skin - Fuselage front section right	1
-23	0513000-20	. Nutstrip	2
-24	0513000-57	. Angle	2
-25	0511282	. Stringer Assembly - Engine mount upper left	1
	Deleted	.	
	0411281-6	. . Bracket - Engine mount attachment	1
-26	0511282-1	. Stringer Assembly - Engine mount upper right	1
	Deleted	.	
	0411281-6	. . Bracket - Engine mount attachment	1
-27	0511283	. Stringer Assembly - Engine mount lower left	1
	Deleted	.	
	0411281-6	. . Bracket - Engine mount attachment	1
	0511283-1	. Stringer Assembly - Engine mount lower right	1
	Deleted	.	
	0411281-6	. . Bracket - Engine mount attachment	1
-28	0513009-2	. Bulkhead - Fuselage left (Sta. 8.125)	1
	0513009-3	. Bulkhead - Fuselage right (Sta. 8.125)	1
-29	0510124	. Bulkhead - Rudder pedal left outboard	1
	0510124-1	. Bulkhead - Rudder pedal right outboard	1
-30	0513000-52	. Tunnel Assembly - Fuselage front section	1
-31	0510114-20	. . Bulkhead Assembly - Front section tunnel left	1
-32	0510113-3	. . . Bulkhead - Tunnel forward left	1
-33	NAS395-12-3	. . . Nut - (Tinnerman #A1786-8Z-3)	2
-34	0510128	. . . Bracket - Rudder pedal spring	1
-35	0510114-21	. . Bulkhead Assembly - Front section tunnel right	1
-36	0510113-4	. . . Bulkhead - Tunnel forward	1
-37	NAS395-12-3	. . . Nut - (Tinnerman #A1786-8Z-3)	2
	0510128	. . . Bracket - Rudder pedal spring	1
-38	0510135	. . Support Assembly - Control tee	1
-39	0513000-10	. Angle - Bulkhead reinforcement left	1
	0513000-9	. Angle - Bulkhead reinforcement right	1
	0510138	. Cover Assembly - Fuselage tunnel aft	1
-40	0510138-2	. . Cover - Fuselage tunnel aft	1
-41	0510138-3	. . Cover Assembly - Tab control left	1
	M-451	. . . Bearing - Torrington	1
-42	0513000-24	. Floorboard Assembly-Fuselage front section left (see figure 20 for breakdown)	1
	0513000-7	. Floorboard - Fuselage front section right	1
-43	NAS395-14-3	. Nut - (Tinnerman #A1274-8Z-3)	6
-44	0513008	. Bulkhead - Instrument panel support left	1
-45	0513008-1	. Bulkhead - Instrument panel support right	1
-46	0510139	. Cover - Fuselage tunnel forward	1
-47	0513111	. Panel Assembly - Stationary instrument (see figure 38 for breakdown)	1
-48	0591300-6	. Bulkhead Assembly - Landing gear (see figure 21 for breakdown)	1
-49	0511000-18	. Skin - Landing gear bulkhead lower	2
-	0513000-6	. Brace - Stationary instrument panel	2
-	0511148	. Angle - Upholstery retaining	4
	PK86XA-4-6	. Screw - (Attach upholstery angle)	

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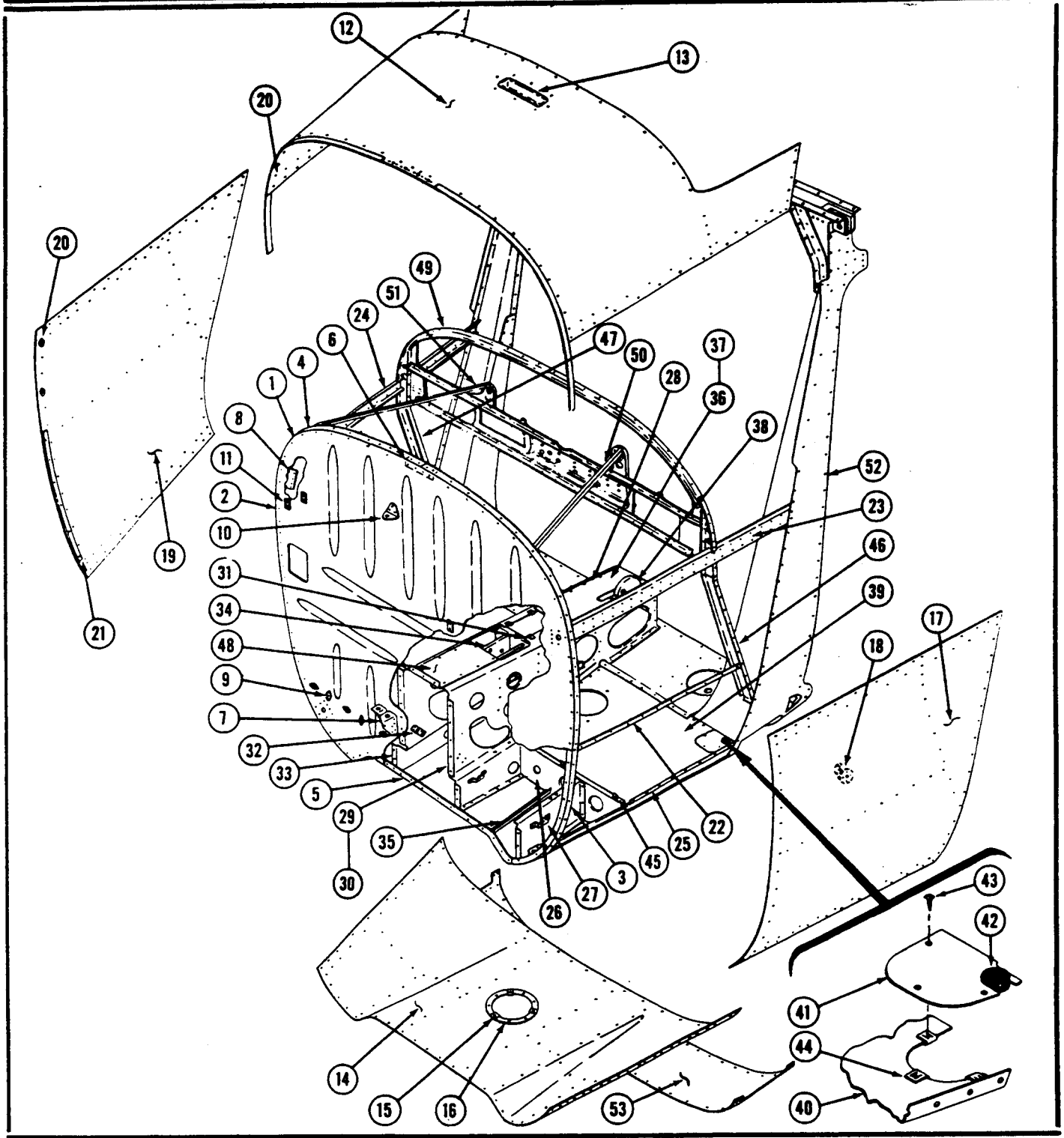

FIGURE 20. FUSELAGE FRONT SECTION ASSEMBLY (SERIALS 25373 AND ON)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
20-	0591300-5	Structure Assembly - Fuselage front section (serial 25373 & on)(see figure 18 for NHA)	Ref
-1	0513228-22	. Firewall Assembly	1
-2	0513101-4	. . Sheet - Firewall	1
-3	0513102	. . Angle - Left	1
-4	0513102-1	. . Angle - Right	1

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FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
20-5	0513103	. . Angle - Bottom	1
-6	0513106	. . Angle - Top	1
-7	0450111	. . Bracket - Fuel strainer	1
-8	0453110	. . Plate - Firewall	4
-9	NAS444-5-3	. . Nut - (Tinnerman #A6195-8Z-3)	10
-10	0450284	. . Bracket Assembly - Starter control	1
-11	0513100	. . Doubler - Control cable	4
-12	0513000-22	. Skin - Fuselage front section upper	1
-13	0413106	. Handle - Assist	1
-14	0513000-13	. Skin - Fuselage front section lower	1
-15	NAS395-14-3	. Nut - (Tinnerman #A1274-8Z-3)	3
-16	0511000-20	. Doubler	1
-17	0513000-14	. Skin - Fuselage front section left	1
-18	0413137	. Flange - Pitot static line	1
	AN822-4D	. Elbow	1
-19	0513000-15	. Skin - Fuselage front section right	1
-20	NAS444-5	. Nutplate - (Tinnerman #A6195-8Z)	16
-21	0513000-20	. Nutstrip	2
-22	0513000-57	. Angle	2
-23	0511282	. Stringer Assembly - Engine mount upper left	1
	Deleted		
	0411281-6	. . Bracket - Engine mount attachment	1
-24	0511282-1	. Stringer Assembly - Engine mount upper right	1
	Deleted		
	0411281-6	. . Bracket - Engine mount attachment	1
-25	0511283	. Stringer Assembly - Engine mount lower left	1
	Deleted		
	0411281-6	. . Bracket - Engine mount attachment	1
	0511283-1	. Stringer Assembly - Engine mount lower right	1
	Deleted		
	0411281-6	. . Bracket - Engine mount attachment	1
-26	0513009-2	. Bulkhead - Fuselage left (Sta. 8.125)	1
	0513009-3	. Bulkhead - Fuselage right (Sta. 8.125)	1
-27	0510124	. Bulkhead - Rudder pedal left outboard	1
	0510124-1	. Bulkhead - Rudder pedal right outboard	1
-28	0513000-52	. Tunnel Assembly - Fuselage front section	1
-29	0510114-20	. . Bulkhead Assembly - Front	1
-30	0510113-3	. . . Bulkhead - Tunnel forward left	4
-31	NAS395-12-3	. . . Nut - (Tinnerman #A1786-8Z-3)	1
-32	0510128	. . . Bracket - Rudder pedal spring	1
-33	0510114-21	. . Bulkhead Assembly - Front section tunnel right	1
	0510113-4	. . . Bulkhead - Tunnel forward right	4
	NAS395-12-3	. . . Nut - (Tinnerman #A1786-8Z-3)	1
	0510128	. . . Bracket - Rudder pedal spring	1
-34	0510135	. . Support Assembly - Control tee	1
-35	0513000-10	. Angle - Bulkhead reinforcement left	1
	0513000-9	. Angle - Bulkhead reinforcement right	1
-36	0510138	. Cover Assembly - Fuselage tunnel aft	1
-37	0510138-2	. . Cover - Fuselage tunnel	1
-38	0510138-3	. . Cover Assembly - Tab control left	1
	M-451	. . . Bearing - Torrington	1
-39	0513000-24	. Floorboard Assembly - Fuselage front section left	1
-40	0513000-8	. . Floorboard - Fuselage front	1
-41	0713002-3	. . Cover	1
-42	AN931-8-13	. . Grommet	3
-43	PK76XZ-6-4	. . Screw - (Attach cover)	3
-44	NAS395-3-3	. . Nut - (Attach cover) (Tinnerman #A6052-6Z-3)	1
	0513000-7	. Floorboard - Fuselage front section right	6
-45	NAS395-14-13	. Nut - (Tinnerman #A1274-8Z-3)	1
-46	0513008	. Bulkhead - Instrument panel support left	1
-47	0513008-1	. Bulkhead - Instrument panel support right	1
-48	0510139	. Cover - Fuselage tunnel forward	1
-49	0513004-1	. Panel Assembly - Stationary instrument (serial 25373 thru 26038) (see fig. 45 for breakdown)	1
	0513040-3	. Panel Assembly - Stationary instrument (serial 26039 thru 26995) (see fig. 45A for breakdown)	1
	0513040-23	. Panel Assembly - Stationary instrument (serial 26996 & on) (see fig. 45B for breakdown)	1
-50	0513035	. Brace - Stationary instrument panel left	1
-51	0513035-1	. Brace - Stationary instrument panel right	1
-52	0591300-6	. Bulkhead Assembly - Landing gear (see figure 21 for breakdown)	1
-53	0511000-18	. Skin - Landing gear bulkhead lower	1

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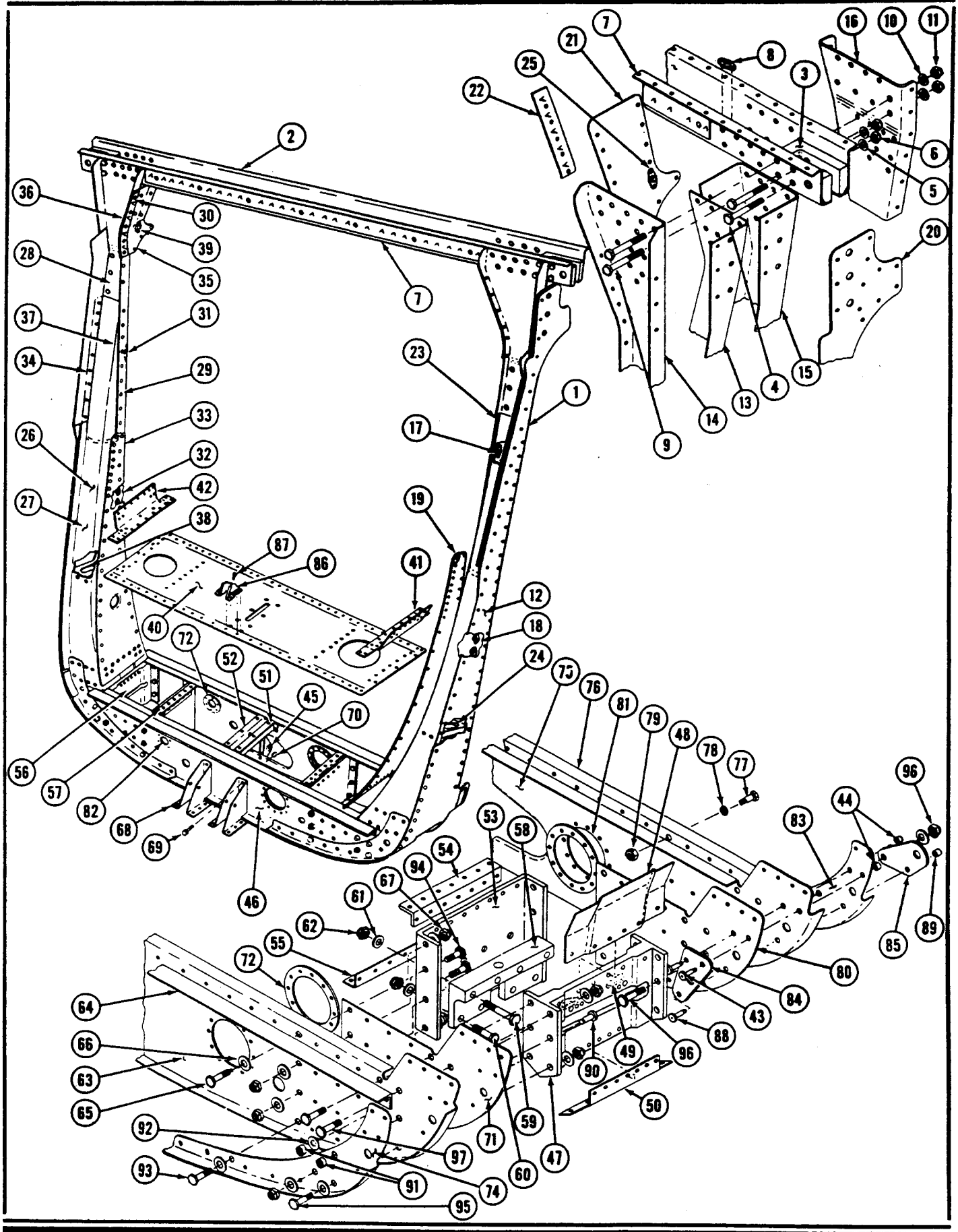

FIGURE 21. LANDING GEAR BULKHEAD ASSEMBLY

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
21-1	0591300-6	Bulkhead Assembly - Door posts and landing gear support (see figure 19 & 20 for NHA)	Ref
-2	0511162-5	. Spar Assembly - Fuselage center section forward	1
-3	0411129	. . Block - Fuselage spar bearing	2
-4	AN3-20A	. . Bolt - (Attach block outboard)	4
-5	AN960-10L	. . Washer - (Attach block outboard)	4
-6	AN365-1032	. . Nut - (Attach block outboard)	4
-7	0412496	. . Retainer - Upholstery	1
-8	AN366-1032	. . Nutplate - (Attach sunvisor)	2
-9	AN3-21A	. Bolt - (Attach block inboard)	4
-10	AN960-10L	. Washer - (Attach block inboard)	4
-11	AN365-1032	. Nut - (Attach block inboard)	4
-12	0591300-1	. Door Post Assembly - Fuselage left	1
	0513006-44	. . Bulkhead Assembly - Left door post forward	1
-13	0513006-3	. . . Bulkhead - Left door post forward	1
-14	0513006-40	. . . Bracket - Left door post upper forward	1
	0513006-110	. . Bulkhead Assembly - Left door post aft	1
-15	0513006-34	. . . Bulkhead - Left door post aft	1
-16	0513006-38	. . . Bracket - Left door post	1
-17	AN366F1032	. . . Nutplate - (Attach lower end of assist strap)	2
-18	AN366F1032	. . . Nutplate - (Attach door stop)	1
-19	0513006-8	. . Plate - Left door splice	1
-20	0591300-3	. . Skin - Left door post outer	1
-21	0513006-42	. . Reinforcement - Left door post inboard	1
-22	0513006-25	. . Retainer - Headlining left	1
-23	0513006-16	. . Retainer - Windshield left	1
-24	0713496-1	. . Bracket - Stiffener LH	1
-25	AN366F1032	. . Nutplate - (Attach upper end of assist strap)	1
-26	0591300-2	. Door Post Assembly - Fuselage right	1
	0513006-45	. . Bulkhead Assembly - Right door post forward	1
-27	0513006-21	. . . Bulkhead - Right door post forward	1
-28	0513006-41	. . . Bracket - Right door post upper forward	1
	0513006-111	. . Bulkhead Assembly - Right door post aft	1
-29	0513006-35	. . . Bulkhead - Right door post aft	1
-30	0513006-39	. . . Bracket - Right door post upper aft	1
-31	AN366F1032	. . . Nutplate - (Attach lower end of assist strap)	2
-32	AN366F1032	. . . Nutplate - (Attach door stop)	1
-33	0513006-22	. . Plate - Right door post splice	1
-34	0591300-4	. . Skin - Right door post outer	1
-35	0513006-43	. . Reinforcement - Right door post upper inboard	1
-36	0513006-26	. . Retainer - Headlining right	1
-37	0513006-17	. . Retainer - Windshield right	1
-38	0713496-2	. . Bracket - Stiffener RH	1
-39	AN366F1032	. . Nutplate - (Attach upper end of assist strap)	1
-40	0513006-11	. Floorboard - Landing gear support	1
-41	0713495-53	. Angle - Landing gear bulkhead splice LH	1
-42	0713495-54	. Angle - Landing gear bulkhead splice RH	1
-43	NAS178-8-7	. Rivet - Hi-Shear	4
-44	NAS179-8	. Collar	4
-45	0510163	. Bracket - Flap return fuselage lower pulley	1
	AN520-10R7	. Screw - (Attach bracket)	1
	AN365-1032	. Nut - (Attach bracket)	1
-46	0513006-151	. Bulkhead Assembly - Landing gear support	1
	0713495-19	. . Bracket Assembly - Landing gear support left outboard	1
-47	0713495-3	. . . Bracket - Landing gear support left outboard	1
-48	0713495-57	. . . Angle - Landing gear support outboard left	1
-49	22A17-048	. . . Nutplate - Essna	2
-50	0713495-5	. . . Angle - Landing gear support lower outboard	1
-51	0510112	. . Bracket - Elevator bellcrank left	1
-52	0510112-1	. . Bracket - Elevator bellcrank right	1
	0713495-51	. . Bracket Assembly - Landing gear support left inboard	1
-53	0713495-7	. . . Bracket - Landing gear support left inboard	1
-54	0713495-26	. . . Angle - Landing gear support upper inboard	1
-55	0713495-18	. . . Angle - Landing gear support lower inboard	1
-56	0713495-20	. . Bracket Assembly - Landing gear support right outboard	1
	0713495-4	. . . Bracket - Landing gear support	1
	0713495-58	. . . Angle - Landing gear support upper right outboard	2
	22A17-048	. . . Nutplate - Essna	1
	0713495-5	. . . Angle - Landing gear support lower outboard	1
-57	0713495-52	. . Bracket Assembly - Landing gear support right inboard	1
	0713495-8	. . . Bracket - Landing gear support	1
	0713495-25	. . . Angle - Landing gear support upper inboard	1

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FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
21-	0713495-18	Angle - Landing gear support lower inboard	1
-58	0713495-6	Angle - Landing gear attachment	2
-59	AN5-15A	Bolt - (Attach angles)	8
-60	AN5-7A	Bolt - (Attach angles)	12
-61	AN960-516	Washer - (Attach angles)	20
-62	AN365-524	Nut - (Attach angles)	20
	0513006-104	Bulkhead Assembly - Landing gear support forward	1
-63	0513006-9	Bulkhead - Landing gear support forward	1
-64	0513006-23	Angle - Forward bulkhead reinforcement	1
-65	AN3-5A	Bolt - (Attach angle)	4
-66	AN960-10	Washer - (Attach angle)	4
-67	AN365-1032	Nut - (Attach angle)	4
-68	0510110	Bracket - Control pulley	2
-69	AN3-4A	Bolt - (Attach pulley bracket)	2
-70	AN365-1032	Nut - (Attach pulley bracket)	2
-71	0713495-15	Plate - Forward bulkhead left reinforcement	1
	0713495-16	Plate - Forward bulkhead right reinforcement	1
-72	0513006-61	Doubler	1
-73	0513006-62	Doubler	1
-74	0713495-11	Stiffener - Bulkhead forward left	1
	0713495-12	Stiffener - Bulkhead forward right	1
	0513006-105	Bulkhead Assembly - Landing gear support aft	1
-75	0513006-103	Bulkhead - Landing gear support aft	1
-76	0513006-24	Angle - Aft bulkhead reinforcement	1
-77	AN3-5A	Bolt - (Attach angle)	2
-78	AN960-10	Washer - (Attach angle)	2
-79	AN365-1032	Nut - (Attach angle)	2
-80	0713495-13	Plate - Aft bulkhead reinforcement left	1
	0713495-14	Plate - Aft bulkhead reinforcement right	1
-81	0513006-61	Doubler	1
-82	0513006-62	Doubler	1
-83	0713495-9	Stiffener - Bulkhead aft left	1
	0713495-10	Stiffener - Bulkhead aft right	1
-84	0713495-55	Spacer - Wing strut fitting forward	4
-85	0713495-17	Plate - Wing strut fitting	2
-86	0713497-1	Bracket Assembly - Forward elevator stop	1
-87	0431141-1	Bolt	1
-88	NAS178-8-7	Rivet - (Hi-Shear)	2
-89	NAS179-8	Collar	2
-90	NAS178-10-6	Rivet - (Hi Shear)	4
-91	NAS179-10	Collar	4
-92	AN960-516L	Washer	2
-93	AN5-6A	Bolt	4
	AN960-516L	Washer	4
	AN365-524	Nut	4
-94	AN6-6A	Bolt	10
	AN960-616L	Washer	10
	AN365-624	Nut	10
-95	AN5-7A	Bolt	20
	AN960-516	Washer	20
	AN365-524	Nut	20
-96	AN6-10A	Bolt	2
	AN960-616	Washer	2
	AN365-624	Nut	2
-97	AN6-7A	Bolt	8
	AN960-616	Washer	8
	AN365-624	Nut	8

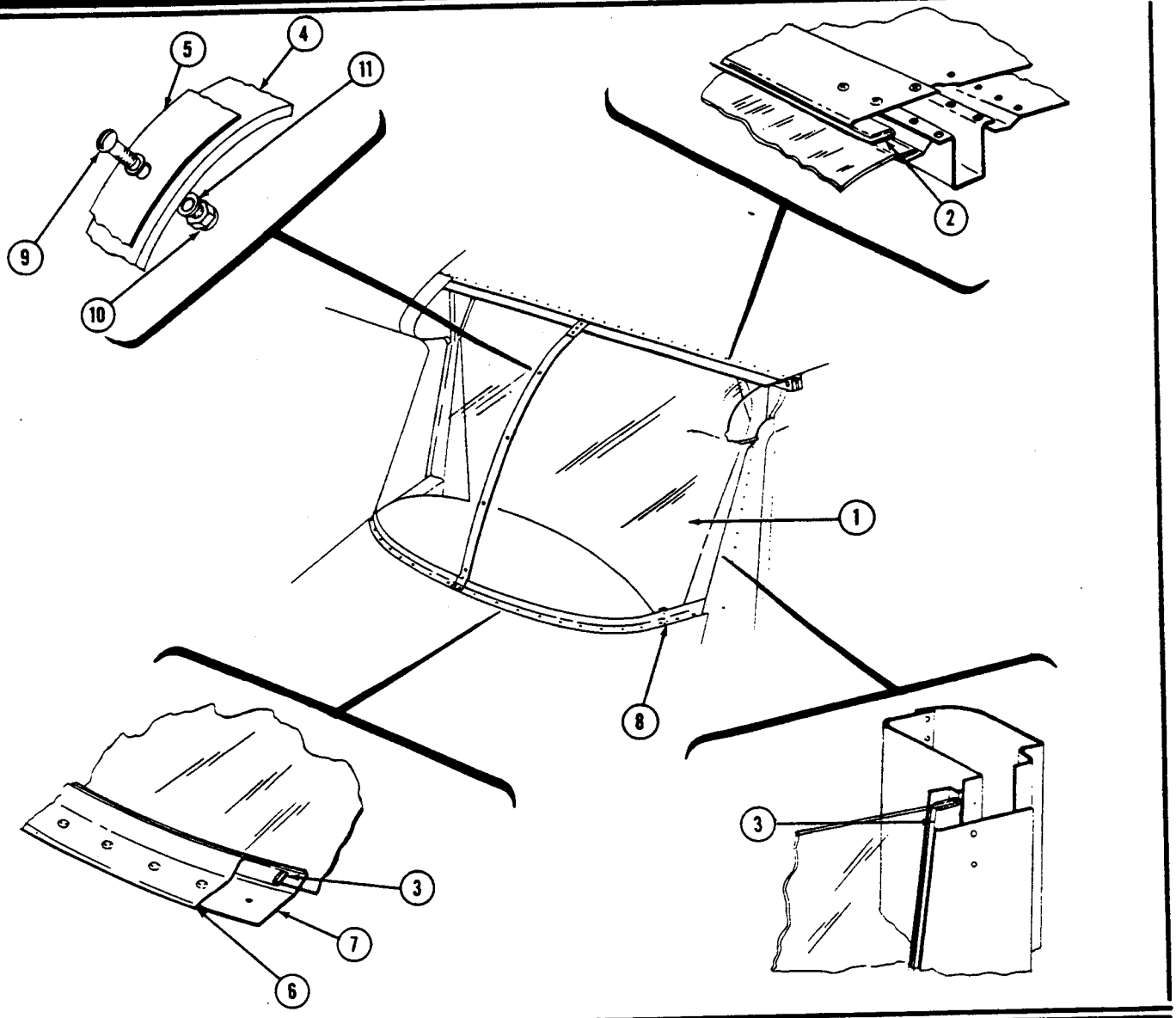

FIGURE 22. WINDSHIELD INSTALLATION

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
22-	No Number	Windshield Installation - (See figure 17 for NHA)	Ref
-1	0510000-26	. Windshield Assembly - (Serial 20267 thru 26995) (when exhausted use 0510001-5)	1
	0510001-5	. Windshield Assembly - (Serial 26996 & on)	1
-2	0510000-5	. . Pad - Windshield upper	1
-3	0510000-4	. . Pad - Windshield side & lower	1
-4	0510000-16	. Strip - Windshield inside center (serial 20267 thru 26995)	1
	0510001-4	. Strip - Windshield inside center (serial 26996 & on)	
-5	Deleted	.	1
	0510001-7	. Strip - Windshield outside center	1
-6	0510000-21	. Strip - Windshield lower outer	1
-7	0510000-22	. Strip - Windshield lower inner	2
-8	0510000-9	. Clip - Fairing retainer	4
-9	AN526-1032R10	. Screw - (Attach windshield center strips)	4
-10	22-NKM-10-3	. Nut - (Attach windshield center strips)	8
-11	0311001-27	. Washer - (Attach windshield center strips)	

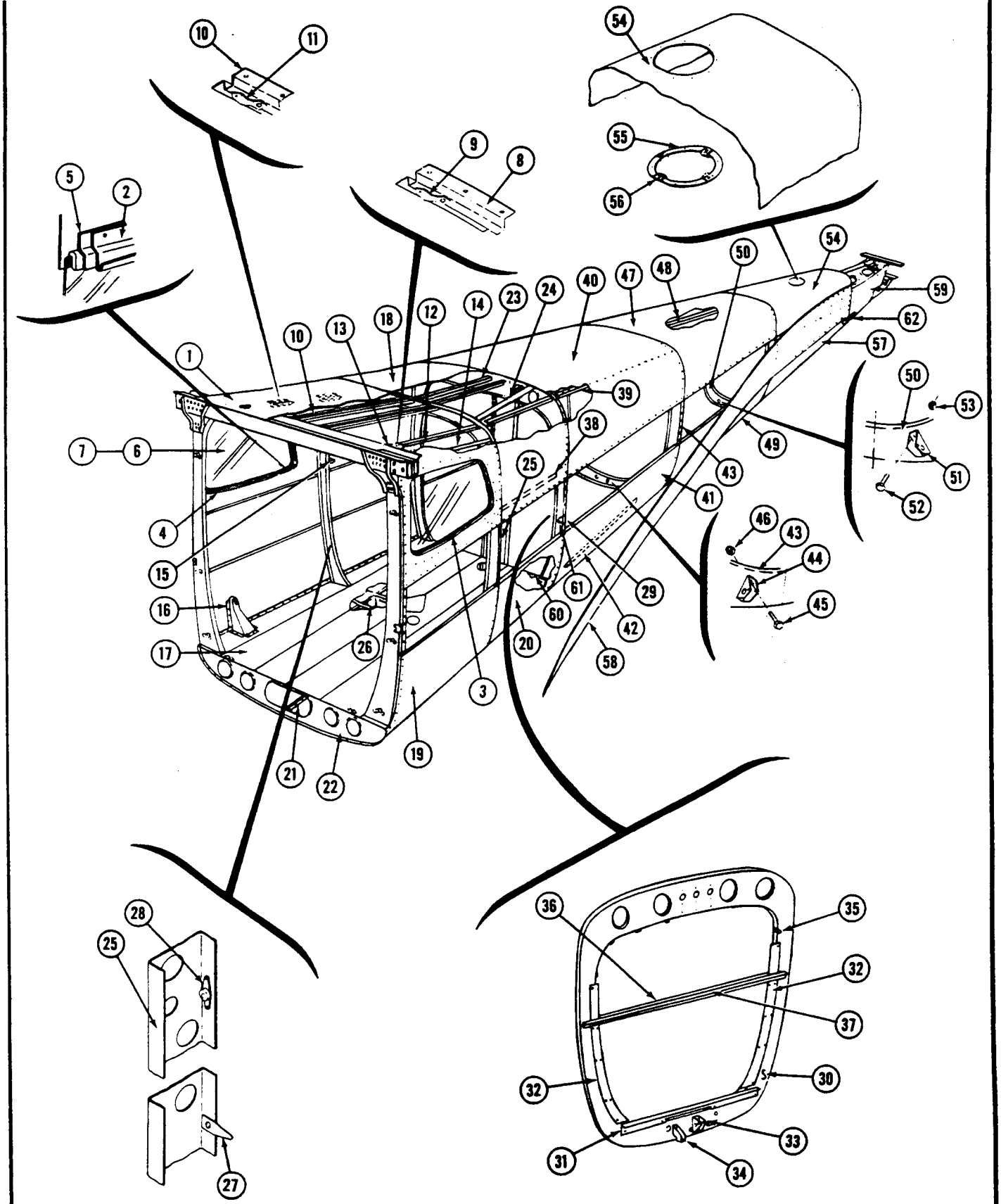

FIGURE 23. FUSELAGE AFT SECTION ASSEMBLY

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
23-	0591200-1	Aft Section Assembly - Fuselage (serial 20267 thru 26995) (see figure 17 for NHA)	Ref
	0591200-6	Aft Section Assembly - Fuselage (serial 26996 & on) (see figure 17 for NHA)	Ref
-1	0591200-56	. Skin Assembly - Aft section upper (Sta. 65.33 to 90.00) (serial 20267 thru 26504)	1
	0591200-2	. Skin Assembly - Aft section upper (Sta. 65.33 to 90.00) (serial 26505 & on)	1
-2	0511138	. . Retainer - Window interior trim upper left (serial 20267 thru 26504)	1
	0512155-5	. . Retainer - Window interior trim upper left (serial 26505 & on)	1
	0511138	. . Retainer - Window interior trim upper right (serial 20267 thru 26504)	1
	0512155-6	. . Retainer - Window interior trim upper right (serial 26505 & on)	1
-3	0511143-6	. . Retainer - Window interior trim left (serial 20267 thru 26504)	1
	0512155-3	. . Retainer - Window interior trim left (serial 26505 & on)	1
-4	0511143-5	. . Retainer - Window interior trim right (serial 20267 thru 26504)	1
	0512155-4	. . Retainer - Window interior trim right (serial 26505 & on)	1
-5	0512147	. . Frame - Window (serial 20267 thru 26504)	2
	0512155-1	. . Frame - Window left (serial 26505 & on)	1
	0512155-2	. . Frame - Window right (serial 26505 & on)	1
-6	0512000-54	. . Window Assembly - Aft section (serial 20267 thru 26504)	2
	0591200-3	. . Window Assembly - Aft section (serial 26505 & on)	2
-7	5279	. . . Moulding - Aft section window	1
-8	0411718-2	. . Stiffener Assembly - Cabin top	2
-9	0411680	. . . Hanger - Upholstery	2
-10	0512000-66	. . Bracket Assembly - Headliner wires attaching	4
-11	0411680	. . . Hanger - Upholstery	1
-12	0512145	. . Angle - Top stiffener left inboard	1
	0512145-1	. . Angle - Top stiffener right inboard	1
-13	0512151	. . Clip - (Attach angle)	2
-14	0512000-38	. . Angle - Top stiffener left outboard	1
	0512000-39	. . Angle - Top stiffener right outboard	1
-15	0511108-18	. . Catch - Rear seat back left (serial 20267 thru 26504)	1
	0511108-19	. . Catch - Rear seat back right (serial 20267 thru 26504)	1
	0511108-18	. Catch - Rear seat back left (serial 26505 thru 26995)	1
	0511108-19	. Catch - Rear seat back right (serial 26505 thru 26995)	1
	0511285-3	. Bulkhead Assembly - Rear seat catch left (serial 26996 & on)	1
	0511285-4	. Bulkhead Assembly - Rear seat catch right (serial 26996 & on)	1
	AN366F1032	. . Nutplate	4
-16	0511108-16	. Bracket Assembly - Rear seat attachment	2
-17	0512107-32	. Floorboard Assembly - Fuselage rear	1
-18	0512000-73	. Skin - Aft section fuselage upper (Sta. 90.00 to 108.00)	1
-19	0512000-5	. Skin - Aft section fuselage lower (Sta. 65.33 to 90.00)	1
-20	0512000-7	. Skin - Aft section fuselage lower (Sta. 90.00 to 108.00)	1
-21	0512000-20	. Angle - Fuselage reinforcement (Sta. 65.33 to 90.00)	1
-22	0791100-5	. Bulkhead Assembly - Fuselage aft section (Sta. 65.33) (see figure 24 for breakdown)	1
-23	0512000-18	. Stiffener - Aft section skin upper	3
-24	0511232-4	. Strap - Shoulder harness reinforcement	2
-25	0512113	. Bulkhead Assembly - Fuselage aft section (Sta. 90.00)	1
-26	0512113-7	. . Angle - Reinforcement	1
-27	0511176	. . Clip - Upholstery retaining	4
-28	AN366F1032	. . Nutplate	1
-29	0512121	. Bulkhead Assembly - Fuselage aft section (Sta. 108.00)	1
-30	0512121-3	. . Bulkhead - Fuselage aft section (Sta. 108.00)	1
-31	0511149-1	. . Retainer - Lower interior trim	1
-32	0512121-4	. . Plate	2
-33	0510164	. . Pulley Bracket - Elevator	1
-34	0412467	. . Pulley Bracket - Elevator tab	1
-35	0511132	. . Clip - Baggage compartment upholstery	9
-36	0512148	. Angle - Baggage shelf	1
-37	0511145	. Support Assembly - Interior trim	1
-38	0511146	. Retainer Assembly - Upholstery	2
-39	0512000-19	. Stiffener - Aft section upper skin	3
-40	0512000-8	. Skin - Aft section upper (Sta. 108.00 to 140.00)	1
-41	0512000-9	. Skin - Aft section lower (Sta. 108.00 to 140.00)	1
-42	0511030-5	. Angle - Radio Installation (left side only) (serial 25373 & on)	1
-43	0512111	. Bulkhead Assembly - Fuselage aft section (Sta. 140.00)	1
-44	0510106	. . Bracket - Rudder cable pulley left	1
-45	AN520-10R7	. . Screw - (Attach pulley bracket)	1
-46	AN365-428	. . Nut - (Attach pulley bracket)	1
-47	0512000-27	. Skin - Aft section fuselage upper (Sta. 140.00 to 172.00)	1
-48	0512000-70	. Angle Assembly - Dorsal fin attaching	1
	AN362F1032	. . Nutplate - (Attach dorsal fin)	1

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
23-49	0512000-28	Skin - Aft section fuselage lower (Sta. 140.00 to 172.00)	1
-50	0512110	Bulkhead Assembly - Aft section fuselage (Sta. 172.00)	1
-51	0510106-1	. Bracket - Rudder cable pulley left	1
-52	AN520-10R7	. Screw - (Attach pulley bracket)	1
-53	AN365-428	. Nut - (Attach pulley bracket)	1
-54	0512000-72	Skin Assembly - Aft section fuselage upper (Sta. 172.00 to 205.812)	1
-55	0511000-20	. Doubler	1
-56	NAS395-14-3	. Nut - (Tinnerman #A1274-8Z-3)	3
-57	0512000-30	Skin - Aft section fuselage lower (Sta. 172.00 to 205.812)	1
-58	0512000-26	Plate - Fuselage splice	2
-59	0591200-4	Tailcone Assembly - Fuselage (Sta. 205.812 to 228.687) (see figure 25 for breakdown)	1
-60	AN366F428	Nutplate	2
-61	0413181-1	Clip - Skin stiffener	8
-62	0831000-43	Cover - Tailwheel control cable	2

NOTE: When ordering 0591200-1 aft section for airplanes with old style tail gear (see figure 28), also order parts marked "*" on figure 29.

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ILLUSTRATED PARTS CATALOG

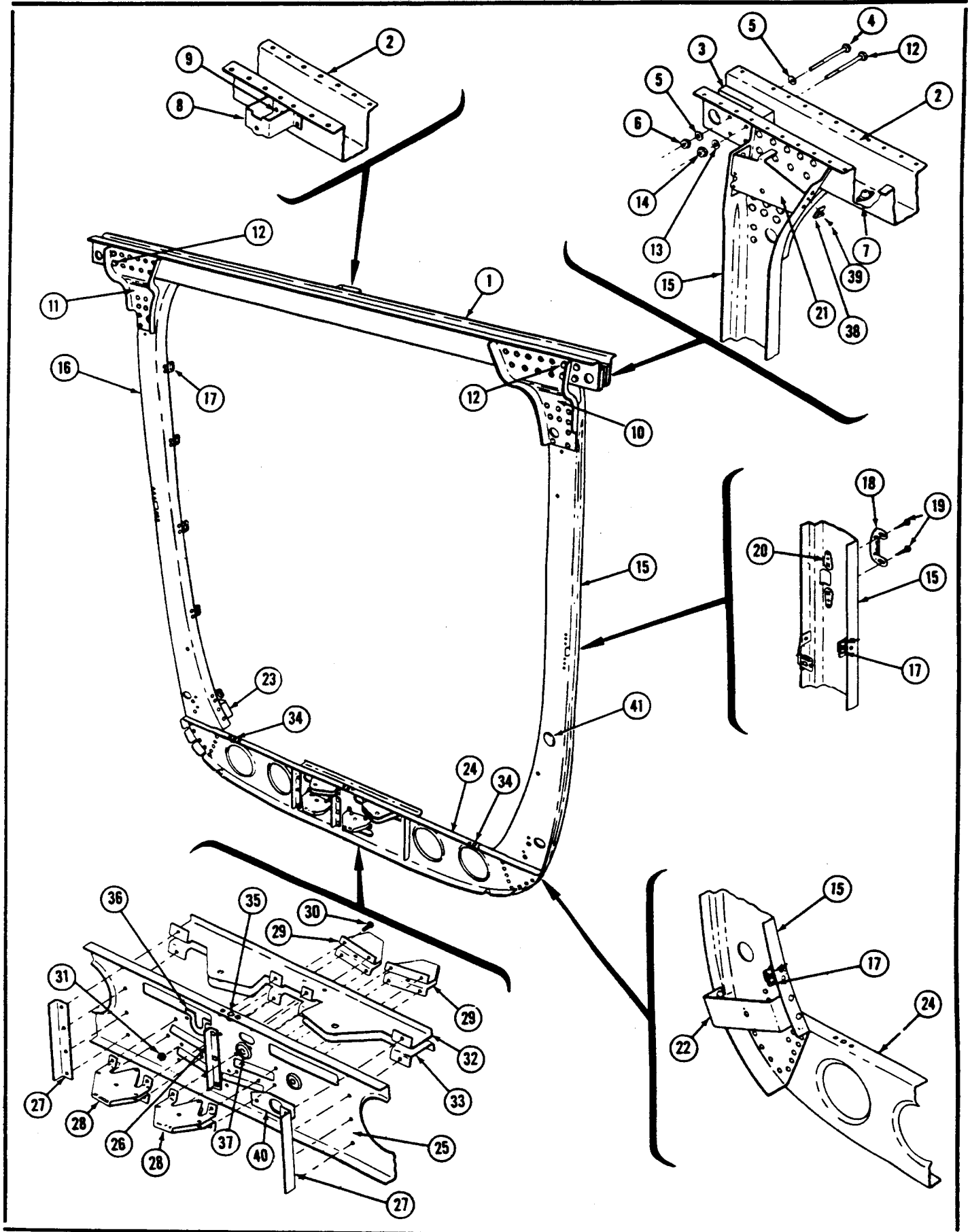


FIGURE 24. FUSELAGE BULKHEAD ASSEMBLY (STATION 65.33)

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
24-	0791100-5	Bulkhead Assembly - Fuselage (Sta. 65.33)(see figure 18 & 23 for NHA)	Ref
-1	0512124-51	. Spar Assembly - Fuselage rear	1
-2	0512124-6	. . Spar - Fuselage rear	1
-3	0512122	. . Block - Bearing	2
-4	AN3-20A	. . Bolt - (Attach block)(outboard only)	4
-5	AN960-10	. . Washer - (Attach block)	8
-6	AN365-1032	. . Nut - (Attach block)	4
-7	AN366F1032	. . Nutplate - (Attach shoulder harness)	2
-8	0512137	. . Bracket - Pulley	1
-9	AN366F1032	. . Nutplate - (Attach pulley)	1
-10	0512124-8	. Brace - Bulkhead to rear spar left	1
-11	0512124-9	. Brace - Bulkhead to rear spar right	1
-12	AN3-20A	. Bolt - (Attach block)(inboard only)	4
-13	AN960-10	. Washer - (Attach block)	4
-14	AN365-1032	. Nut - (Attach block)	4
	0791100-8	. Channel Assembly - Left	1
	0512124-12	. Channel Assembly - Right	1
-15	0512124-19	. . Channel - Left	1
-16	0512124-20	. . Channel - Right	1
-17	0512150	. . Clip - Upholstery fairing attaching	5
-18	0411582	. . Strike Plate - Door latch	1
-19	AN526-832R8	. . Screw - (Attach strike plate)	2
-20	22A17A-82	. . Nutplate - (Esna) (Attach strike plate)	2
-21	0512139	. . Bracket - Aileron upper left pulley	1
	0512139-1	. . Bracket - Aileron upper right pulley	1
-22	0512134	. . Bracket - Left pulley	1
-23	0512134-1	. . Bracket - Right pulley	1
-24	0512124-13	. Bulkhead Assembly - Lower	1
-25	0512133	. . Bulkhead - Lower	1
-26	0512124-5	. . Angle - Bulkhead center reinforcement	1
-27	0512124-7	. . Angle - Bulkhead reinforcement	2
-28	0512128	. . Bracket - Flap pulley	2
-29	0512129	. . Bracket - Flap return pulley	2
-30	AN520-10R7	. . Screw - (Attach pulley bracket)	8
-31	AN365-1032	. . Nut - (Attach pulley bracket)	8
-32	0512132	. . Bracket Assembly - Aileron pulley upper	1
	0512132-4	. . . Fairlead	1
-33	0512132-1	. . Bracket Assembly - Aileron pulley lower	1
	0512132-4	. . . Fairlead	1
	0512132-5	. . . Fairlead	1
-34	AN366F428	. . Nutplate	2
-35	AN366F1032	. . Nutplate	1
-36	0512152	. . Fairlead	1
-37	0412006	. Fairlead	2
-38	A2980A-2-27	. Clamp - (Tinnerman)	1
-39	PK76XZ-4-6	. Screw - (Attach clamp)	1
-40	0512124-15	. Fairlead	1
-41	51149	Plug Button (United Carr)	1

ILLUSTRATED PARTS CATALOG

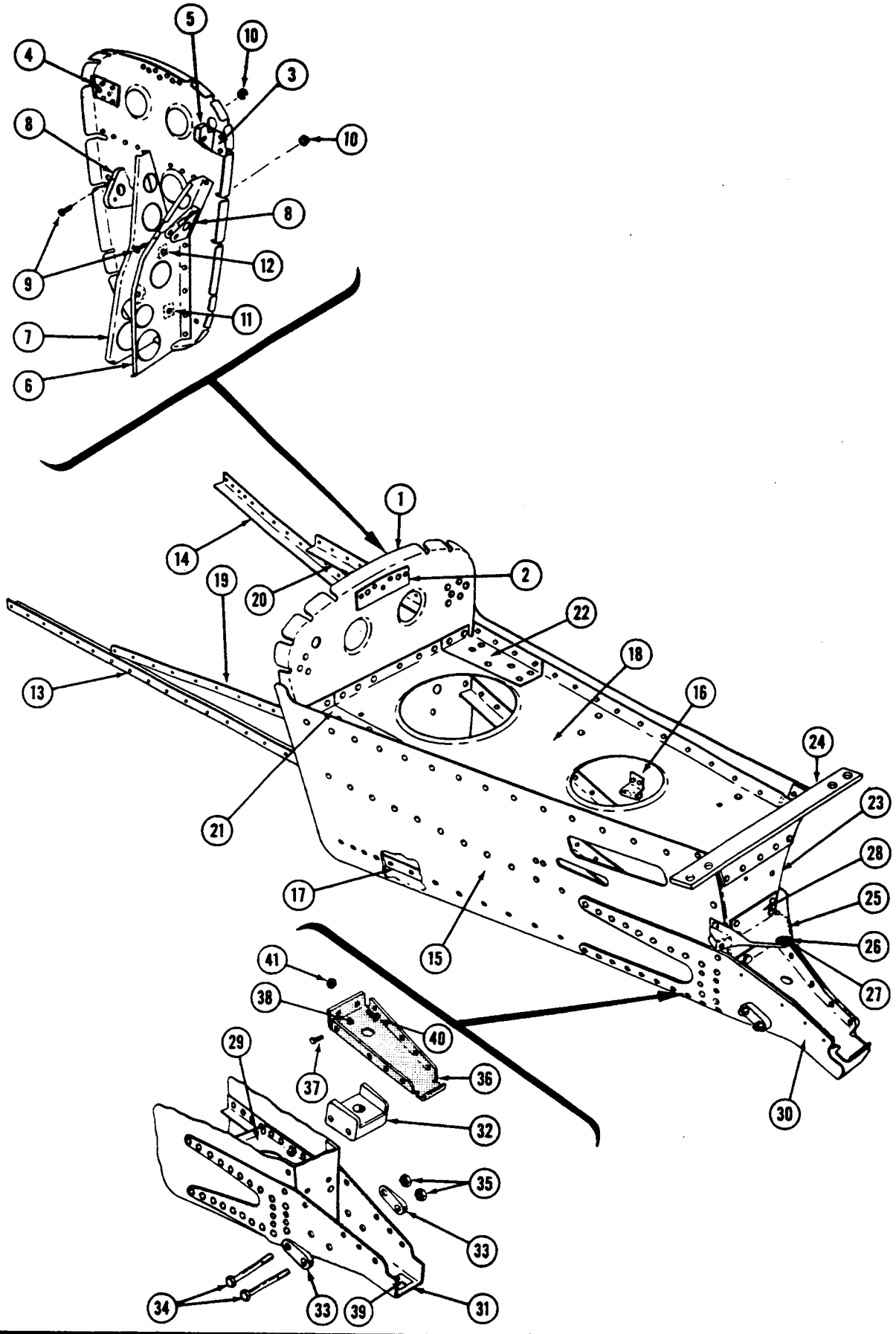


FIGURE 25. TAIL CONE ASSEMBLY

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
25-	0591200-4	Tailcone Assembly - Fuselage (Sta. 205.812 to 228.687) (see figure 23 for NHA)	Ref
-1	0512141-1	. Bulkhead Assembly - Fuselage aft section (Sta. 205.812)	1
-2	0512142-1	. . Doubler - Bulkhead reinforcement	1
-3	0512143	. . Doubler - Bulkhead reinforcement left	1
-4	0512143-1	. . Doubler - Bulkhead reinforcement right	1
-5	0412467	. . Bracket - Trim tab pulley	1
-6	0510142	. . Bracket - Elevator bellcrank support left	1
-7	0510143	. . Bracket - Elevator bellcrank support right	1
-8	0411447	. . Bracket - Rudder control pulley	2
-9	AN520-10R7	. . Bolt - (Attach rudder pulley bracket)	2
-10	AN365-1032	. . Nut - (Attach rudder pulley bracket)	2
-11	0510146-2	. Stop - Elevator bellcrank lower	1
	AN4-12A	. Bolt - (Attach lower elevator bellcrank stop)	1
	AN365-428	. Nut - (Attach lower elevator bellcrank stop)	1
-12	0510146-2	. Stop - Elevator bellcrank upper	1
	AN4-11A	. Bolt - (Attach upper elevator bellcrank stop)	1
	AN365-428	. Nut - (Attach upper elevator bellcrank stop)	1
-13	0512119	. Angle - Tailcone reinforcement upper left	1
-14	0512119-1	. Angle - Tailcone reinforcement upper right	1
-15	0512000-80	. Skin - Aft section fuselage lower (Sta. 205.812 to 228.687)	1
-16	0412142	. Bracket - Rudder cable fairlead	2
-17	0512117	. Angle - Tailcone reinforcement lower left	1
	0512117-1	. Angle - Tailcone reinforcement lower right	1
	0512118-10	. Bulkhead Assembly - Horizontal	1
-18	0512118-7	. . Bulkhead - Horizontal	1
-19	0512118-5	. . Angle - Bulkhead reinforcement left	1
-20	0512118-6	. . Angle - Bulkhead reinforcement right	1
-21	0512118-9	. . Doubler - Bulkhead reinforcement left	1
-22	0512118-8	. . Doubler - Bulkhead reinforcement right	1
	0512108	. Bulkhead Assembly - Fuselage aft section (Sta. 228.687)	1
-23	0512108-3	. . Bulkhead - Fuselage aft section (Sta. 228.687)	1
-24	0512108-5	. . Angle - Stabilizer attachment	1
-25	0510109	. Hinge - Rudder	1
-26	A-325-1	. . Bearing - Oilite	1
-27	0431119	. . Bushing - Rudder hinge	1
-28	0512000-60	. Shim - Rudder hinge	1
-29	0512126	. Bracket - Tailwheel mounting shear	1
-30	0512000-75	. Bracket Assembly - Tailwheel mounting	1
-31	0512154-1	. . Bracket - Tailwheel mounting	1
-32	0510000-35	. . Block - Tailwheel spring retainer	1
-33	0510000-34	. . Spacer - Tailwheel bracket wedge	2
-34	AN4-30A	. . Bolt - (Attach block and spacers)	2
-35	AN365-428	. . Nut - Self locking (attach block and spacers)	2
-36	0510000-31	. . Channel - Tailwheel spring retainer	1
-37	AN3-4A	. . Bolt - (Attach channel)	2
-38	AN365-1032	. . Nut - Self-locking (attach channel)	2
-39	0512000-76	. . Spacer	2
-40	AN3-4A	. Bolt - (Attach bracket)	2
-41	AN365-1032	. Nut - (Attach bracket)	2

NOTE: When ordering 0591200-4 tailcone for airplane with old style tail gear (see figure 28), also order parts marked "*" on figure 29.

ILLUSTRATED PARTS CATALOG

WHEEL ALIGNMENT SHIM CHART

SHIM PART NO.	POSITION OF THICKEST CORNER OF SHIM	CORRECTION IMPOSED ON WHEEL			
		TOE-IN	TOE-OUT	POS. CAMBER	NEG. CAMBER
0541111-2	UP & FORWARD	—	0°43' (.09)	3° (.39)	—
	UP & AFT	2°14' (.28)	—	2°9' (.28)	—
	DOWN & FORWARD	—	2°14" (.28)	—	2°9' (.28)
	DOWN & AFT	0°43' (.09)	—	—	3° (.39)
0441139-5	UP & FORWARD	—	0°49' (.10)	0°34' (.07)	—
	UP & AFT	1° (.125)	—	0°	0°
	DOWN & FORWARD	—	1° (.125)	0°	0°
	DOWN & AFT	0°49' (.10)	—	—	0°34' (.07)
0441139-6	UP & FORWARD	—	1°38' (.20)	1°8' (.15)	—
	UP & AFT	2° (.25)	—	0°	0°
	DOWN & FORWARD	—	2° (.25)	0°	0°
	DOWN & AFT	1°38' (.20)	—	—	1°8' (.15)

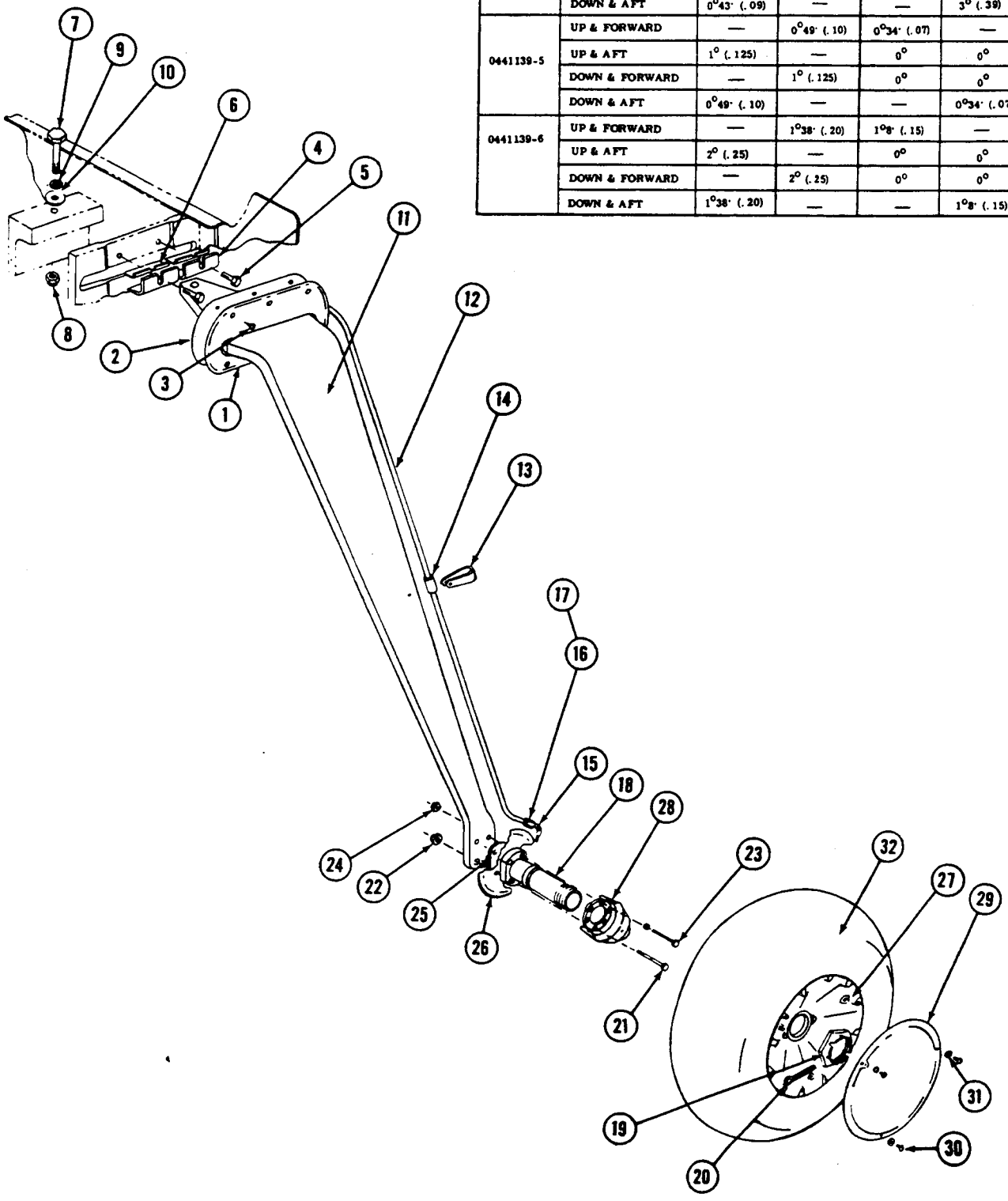


FIGURE 26. MAIN LANDING GEAR INSTALLATION

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER		DESCRIPTION	UNITS PER ASS'Y
26-	No Number		Main Landing Gear Installation - (See figure 1 for NHA)(0541103 Ref.)	Ref
-1	0511124		. Plate - Landing gear fillet	2
-2	0511125		. Seal - Landing gear fillet	2
-3	PK76XZ-8-8		. Screw - (Attach plate)	14
-4	0441115		. Wedge - Landing gear support	4
-5	AN4-11A		. Bolt - (Attach wedge)	4
-6	0741007		. Shim - Spring alignment	AR
-7	AN7-20A		. Bolt - (Attach landing gear at fuselage)	2
-8	AN365-720C		. Nut - (Attach landing gear at fuselage)	2
-9	AN960-716		. Washer - (Attach landing gear at fuselage)	AR
-10	0541105	*	. Shim - Wing adjustment (Landing gear attachment)	AR
-11	0541114		. Spring - Landing gear (serial 20267 thru 25611)	2
	0541118-3		. Spring - Landing gear LH (serial 25612 & on)	1
	0541118-2		. Spring - Landing gear RH (serial 25612 & on)	1
-12	0500106-10		. Line - Brake LH	1
	0500106-11		. Line - Brake RH	1
-13	0541136		. Bracket - Brake line retainer (serial 20267 thru 25372)	2
	0741000-7		. Bracket - Brake line retainer (serial 25373 & on)	2
-14	0341115		. Hose - Brake line protector (serial 20267 thru 25372)	2
	0441119		. Hose - Brake line protector (serial 25373 & on)	2
-15	AN833-4D		. Elbow	2
-16	AN924-4D		. Nut - (Attach elbow)	2
-17	AN902-4		. Gasket - (Attach elbow)	2
-18	0541124		. Axle - Landing gear	2
	0541124-1		. Axle - Landing gear (Optional equipment for ski plane)	2
-19	AN7502-24		. Nut - Axle	2
-20	AN380-4-3		. Pin - Cotter	4
-21	AN6-24A		. Bolt - Lower (attach axle to spring)	4
	NAS146-42		. Bolt - Lower (attach axle to spring)(optional for ski plane)	4
-22	AN365-624C		. Nut - Lower (attach axle to spring)	4
	AN365-624C		. Nut - Lower (attach axle to spring)(optional for ski plane)	4
-23	AN5-23A		. Bolt - Upper (attach axle to spring)	4
	NAS145-41		. Bolt - Upper (attach axle to spring)(optional for ski plane)	4
	NAS143-5C		. Washer - Upper (attach axle to spring)(optional for ski plane)	4
-24	AN365-524C		. Nut - Upper (attach axle to spring)	4
	NAS365-524C		. Nut - Upper (attach axle to spring)(optional for ski plane)	4
-25	0541111-2		. Shim - Landing gear } (See shim table)	AR
	0441139-5		. Shim - Landing gear } (See shim table)	AR
	0441139-6		. Shim - Landing gear } (See shim table)	AR
-26	0441141		. Cover - Brake disc LH	1
	0441141-1		. Cover - Brake disc RH	1
-27	0441016-1		. Wheel Assembly - (See figure 27 for breakdown)	2
-28	0541103-52		. Brake Assy - Complete (see figure 27 for breakdown)	2
-29	0441010		. Fairing - Wheel (serial 20267 thru 26504)	2
	0541119		. Fairing - Wheel (serial 26505 & on)	2
-30	AN515-6R4		. Screw - (Attach fairing)	6
-31	AN936A-6		. Washer	6
-32	0441016-12		. Tire - 600 x 6 4-Ply	2
	0441016-13		. Tube	2

* If wing tips are more than 3 inches out of level adjust by inserting or removing shims under landing gear spring.

ILLUSTRATED PARTS CATALOG

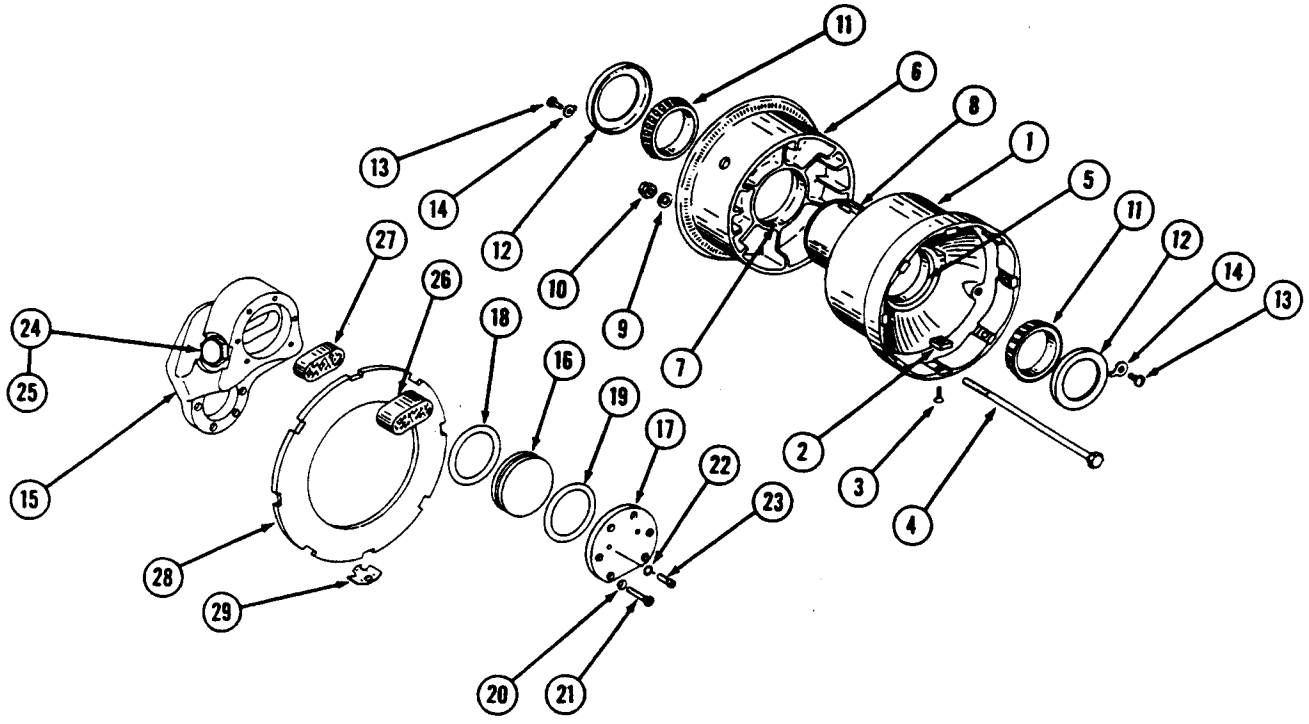
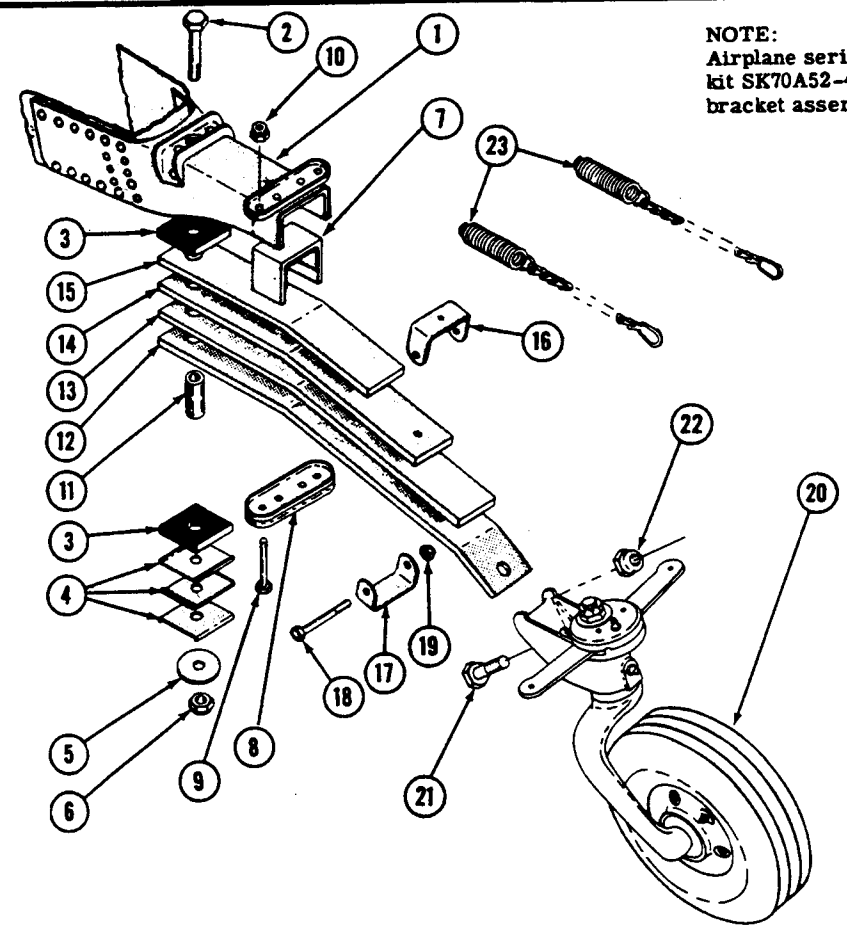


FIGURE 27. WHEEL AND BRAKE ASSEMBLIES

FIGURE AND INDEX NO.	PARTS NUMBER		DESCRIPTION	UNITS PER ASS'Y
27-	0441016-1		Wheel Assembly - Main landing gear (GY511960S) (see figure 26 for NHA)	Ref
-1	0441016-2	*	. Wheel Sub-assembly - Inboard half (GY 95-3474S)	1
-2	0441016-4		. . Key - Disc drive (GY 95 20101)	8
-3	0441016-5		. . Screw - Disc drive (GY 95 20657)	8
-4	AN4-47A		. . Bolt	3
-5	0441016-6		. . Cup - (Timken 13830)	1
-6	0441016-7		. Wheel Sub-assembly - Outboard half (GY 95-2313S)	1
-7	0441016-6		. . Cup - (Timken 13830)	1
-8	0441016-25		. Spacer - Hub (GY 95 21698)	1
-9	AN960-416L		. Washer - Plain	3
-10	AN365-428		. Nut - Self-locking	3
-11	0441016-9		. Cone - Bearing (Timken 13889)	2
-12	0441016-10		. Ring - Bearing retainer (GY 95-1043)	2
-13	0441016-15		. Screw	4
-14	0441016-11		. Terminal - (GY 95-2243)	4
	0541103-52		Brake Assembly - (See figure 26 for NHA)	Ref
-15	0541103-50		. Housing Assembly	1
	0541103-16		. Bushing -	3
-16	0541116-34		. Piston - (GY 95-10155)	1
-17	0541117-4		. Cylinder Head - (GY 95-10731)	1
-18	AN6230-3		. Seal - (Piston "O" ring)	1
-19	AN6230-2		. Seal - (Cylinder head)	1
-20	AN936C10		. Washer	6
-21	95-5163		. Screw - #10-24NC × 7/8	6
-22	0541116-36		. Seal - Bleeder (GY 95-10957)	2
-23	AN505-8R5		. Screw - Bleeder (GY 95-5195)	2
-24	0441015-8		. Plug - Inlet (GY 95-20448)	1
-25	AN902-4		. Gasket - Inlet (GY 95-5761)	2
-26	0541116-32		. Lining - Piston side (GY 95-11269)	1
-27	0541116-30		. Lining - Stationary (GY 95-11271)	1
-28	0541117-11		. Disc - Brake (GY 95-30287)	1
-29	0541117-12		. Clip - Brake disc (GY 95-20403)	4

* (GY Indicates Goodyear Tire & Rubber Co.)

ILLUSTRATED PARTS CATALOG



NOTE:
Airplane serial 20267 thru 20805 order kit SK70A52-4 in lieu of 0512125-1 bracket assembly.

FIGURE 28. TAILWHEEL INSTALLATION (SERIALS 20267 THRU 20805)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
28-	No Number	Tailwheel Installation - (Serial 20267 thru 20805) (see figure 1 for NHA)	Ref
-1	0512125-1	. Bracket Assembly - (Not available for spares)	Ref
-2	AN6-23A	. Bolt - (Attach springs to tailwheel mounting bracket)	1
-3	0442119-1	. Pad - Tailwheel attachment (rubber)	2
-4	0442116-1	. Retainer - Tailwheel attachment	3
-5	0442128	. Washer - Tailwheel attachment	1
-6	AN365-624	. Nut - Self-locking	1
-7	0442124	. Strip Assembly - Tailwheel abrasion	1
-8	0442127	. Stiffener Assembly - Tailwheel attachments	1
-9	AN3-20A	. Bolt - (Attach stiffener assembly)	2
-10	AN365-1032	. Nut - (Attach stiffener assembly)	2
-11	0442129-1	. Bushing - Tailwheel attachment	1
-12	0542106	. Leaf - Tailwheel spring	1
-13	0542105	. Leaf - Tailwheel spring	1
-14	0442108-2	. Leaf - Tailwheel spring	1
-15	0442109-2	. Leaf - Tailwheel spring	1
-16	0542108	. Shackle - Tailwheel spring	1
-17	0442125	. Guard - Tailwheel steering chain	1
-18	AN4-21A	. Bolt - (Attach guard)	1
-19	AN365-428	. Nut - (Attach guard)	1
-20	0442006	. Tailwheel Assembly - (See figure 30 for breakdown)	1
-21	AN7-10A	. Bolt - (Attach tailwheel assembly to springs)	1
-22	AN365-720	. Nut - (Attach tailwheel assembly to springs)	1
-23	0442008	. Spring and connector assembly - (Scott #2151)	2

ILLUSTRATED PARTS CATALOG

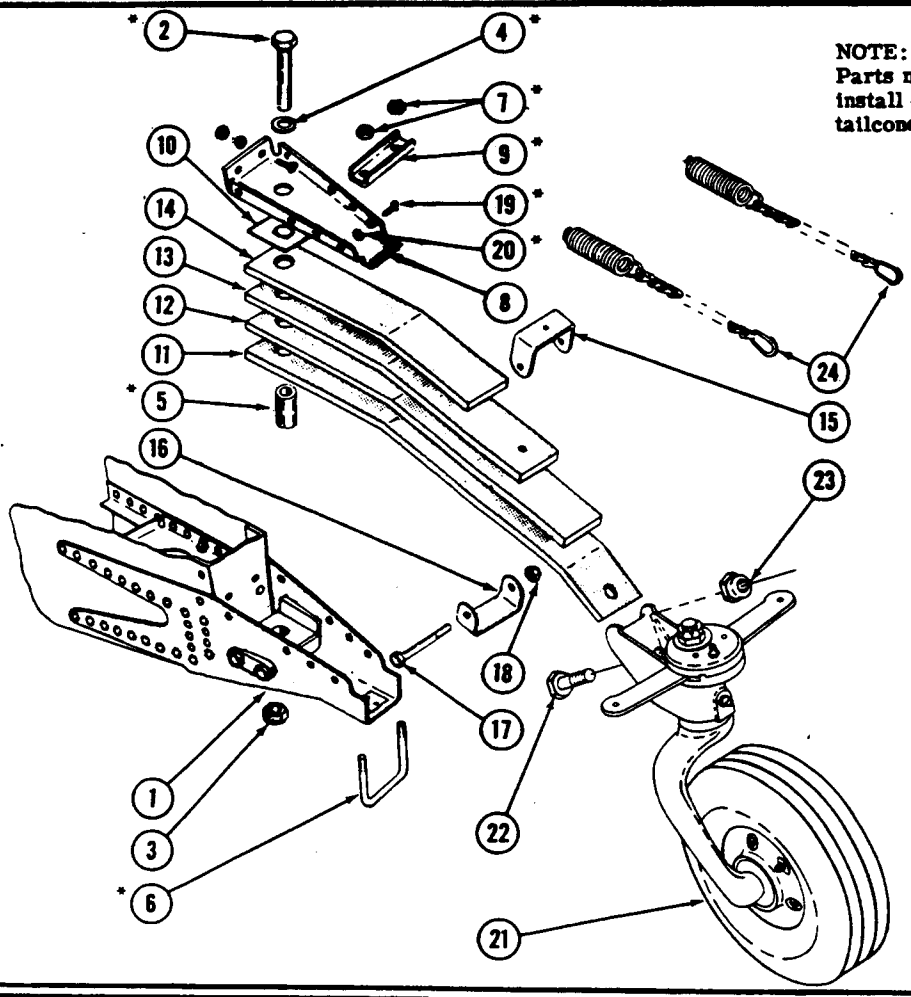


FIGURE 29. TAILWHEEL INSTALLATION (SERIALS 20806 AND ON)

FIGURE AND INDEX NO.	PARTS NUMBER		DESCRIPTION	UNITS PER ASS'Y
29-	No Number		Tailwheel Installation - (Serial 20806 & on) (see figure 1 for NHA)	Ref
-1	0512000-75		. Bracket Assembly - Tailwheel mounting (see figure 25 for NHA)	Ref
-2	AN6-22A	*	. Bolt - (Attach springs & channel to bracket)	1
-3	AN365-624		. Nut - (Self -locking) (attach springs & channel to bracket)	1
-4	AN960-616	*	. Washer - (Attach springs and channel to bracket)	1
-5	0510000-36	*	. Bushing - Tailwheel attachment	1
-6	0510000-32	*	. U-Bolt - (Attach springs)	1
-7	AN365-428	*	. Nut - (Attach U-bolt)	2
-8	0510000-31		. Channel - Tail wheel spring retainer (see figure 25 for NHA)	Ref
-9	0510000-33	*	. Stiffener - (Attach channel)	1
-10	0510000-30		. Shim	1
-11	0542106		. Leaf - Tailwheel spring	1
-12	0542105		. Leaf - Tailwheel spring	1
-13	0442108-2		. Leaf - Tailwheel spring	1
-14	0442109-2		. Leaf - Tailwheel spring	1
-15	0542108		. Shackle - Spring	1
-16	0442125		. Guard - Tailwheel steering chain	1
-17	AN4-21A		. Bolt - (Attach shackle)	1
-18	AN365-428		. Nut - (Attach shackle)	1
-19	AN3-4A	*	. Bolt - (Attach channel to bracket)	6
-20	AN365-1032	*	. Nut - (Attach channel to bracket)	6
-21	0442006		. Tailwheel Assembly - (See figure 30 for breakdown)	1
-22	AN7-10A		. Bolt - (Attach tailwheel assembly to springs)	1
-23	AN365-720		. Nut - (Attach tailwheel assembly to springs)	1
-24	0442008		. Spring and Connector Assembly - Tailwheel (serial 20806 thru 26504)	2

ILLUSTRATED PARTS CATALOG

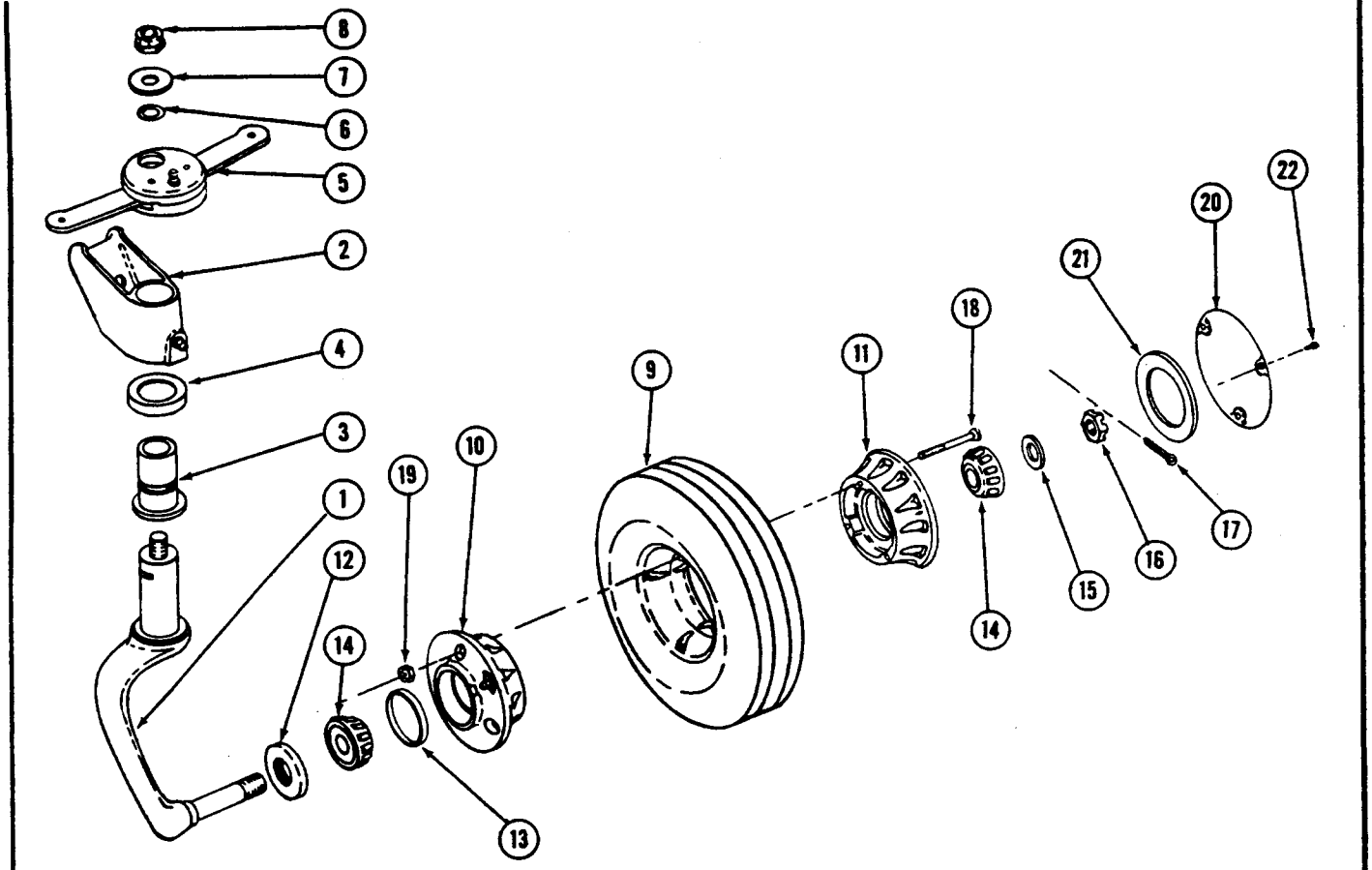


FIGURE 30. TAILWHEEL ASSEMBLY

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
30-	0442006	Tailwheel Assembly - Scott 3-24B (see figure 28 & 29 for NHA)	Ref
-1	0442006-8	. Fork - Tailwheel	1
-2	0442006-5	. Bracket Assembly - Tailwheel	1
-3	0442006-6	. . Bushing - Bracket	1
-4	0442006-7	. . Cap - Bushing	1
-5	0442006-4	. Arm Assembly - Tailwheel	1
-6	0442006-3	. Shim	AR
-7	0442006-2	. Washer	1
-8	AN364-720	. Nut - Attach arm assembly	1
	0442006-19	. Wheel Assembly	1
-9	0442006-13	. . Tire - Tailwheel (6 x 2 with wire bead)	1
	0442006-17	. . Hub Kit	1
-10	0442006-12	. . . Hub	1
-11	0442006-14	. . . Hub - Outer	1
-12	0442006-9	. . Retainer - Grease	1
-13	0442006-10	. . Spacer - Grease retainer	1
-14	0442006-11	. . Bearing - Timken	2
-15	AN960-816	. . Washer	1
-16	AN320-8	. . Nut	1
-17	AN380-3-3	. . Pin - cotter	1
-18	AN501-1032	. . Screw - Fillister head	3
-19	AN365-1032	. . Nut - Elastic stop	3
	0442006-18	. . Fairing Kit	1
-20	0442126	. . . Fairing	1
-21	0442006-15	. . . Retainer - Grease	1
-22	4 x 3/8	. . . Screw - (Attach fairing)	3

ILLUSTRATED PARTS CATALOG

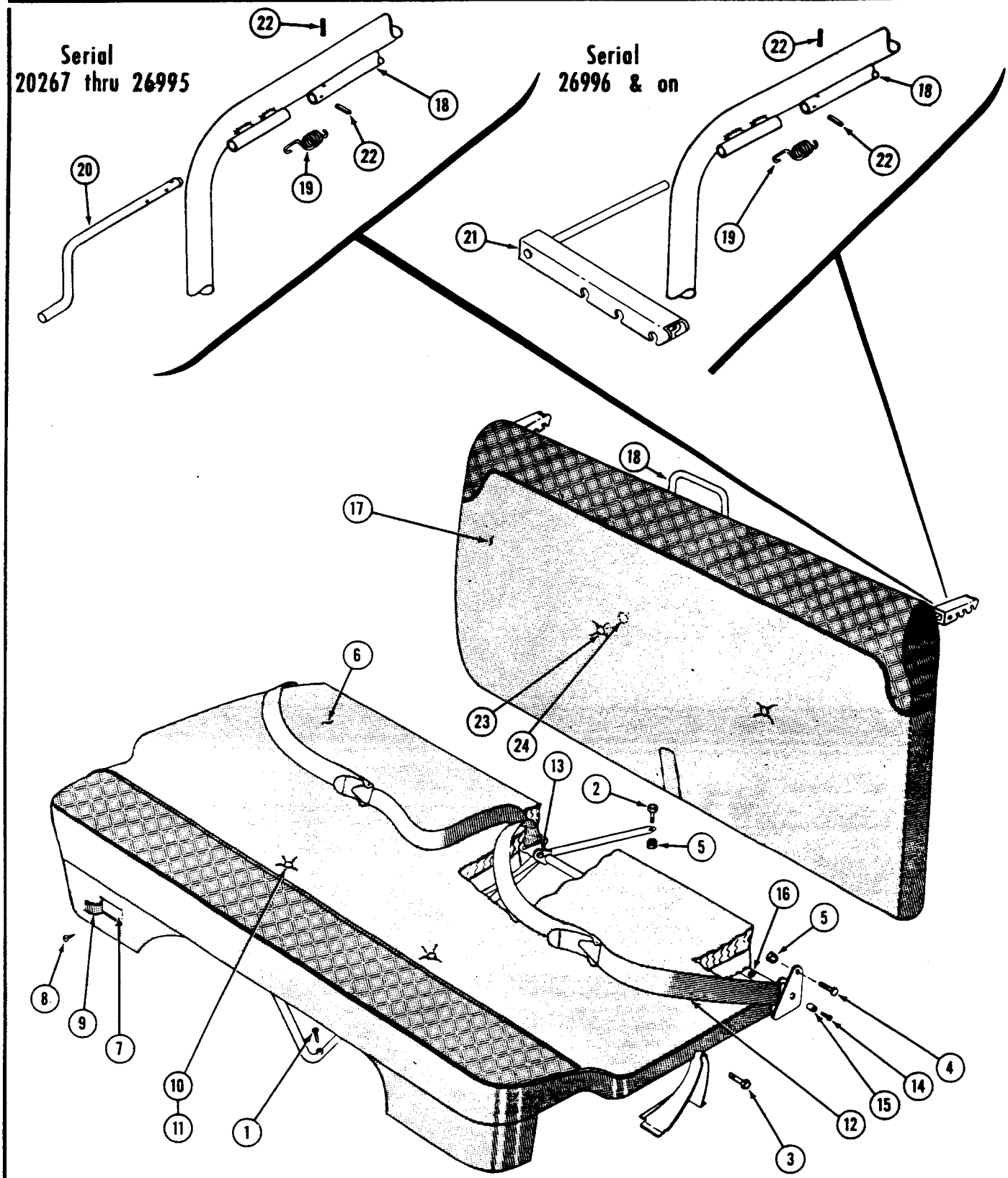


FIGURE 31. REAR SEAT INSTALLATION

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
31-	No Number	Rear Seat Installation - (See figure 1 for NHA)	Ref
-1	AN3-11A	. Bolt - (Attach rear seat at front)	1
-2	AN4-6A	. Bolt - (Attach rear seat at rear)	1
-3	AN3-10A	. Bolt - (Attach rear seat to brackets)	2
-4	AN4-11A	. Bolt - (Attach seat back to seat bottom)	2
-5	AN365-428	. Nut - (Attach seat back to seat bottom)	3
	0511108-105	. Bottom Assembly - Rear seat (serial 20267 thru 25372)	1
	0500100-44	. Bottom Assembly - Rear seat (serial 25373 thru 26038)	1
	0500101-44	. Bottom Assembly - Rear seat (serial 26039 thru 26504)	1
	0500102-44	. Bottom Assembly - Rear seat (serial 26505 thru 26995)	1
	0500103-74	. Bottom Assembly - Rear seat (serial 26996 & on)	1
-6	0511108-97	. . Cover Assembly - Rear seat bottom (serial 20267 thru 25372)	1
	0500100-109	. . Cover Assembly - Rear seat bottom (serial 25373 thru 26038)	1
	0500101-109	. . Cover Assembly - Rear seat bottom (serial 26039 thru 26504)	1
	0500102-109	. . Cover Assembly - Rear seat bottom (serial 26505 thru 26995)	1
	0500103-73	. . Cover Assembly - Rear seat bottom (serial 26996 & on)	1
-7	0511174-1	. . Retainer - Rear seat upholstery	1
-8	PK76XZ-6-4	. . Screw - (Attach retainer)	5
-9	0511108-60	. . Cover - Retainer (serial 20267 thru 25372)	2
	0500100-104	. . Cover - Retainer (serial 25373 thru 26038)	1
	0500101-104	. . Cover - Retainer (serial 26039 thru 26504)	1
	0500102-104	. . Cover - Retainer (serial 26505 thru 26995)	1
-10	0511108-92	. . Button - Pearl tufting (serial 20267 thru 25372)	4
-11	7283	. . Button - Tufting (serial 20267 thru 25372)	4
-12	0311710	. Belt - Rear seat safety (serial 20267 thru 25372)	2
	0311710-6	. Belt - Rear seat safety (serial 25373 thru 26995)	2
	0311710-8	. Belt - Rear seat safety (serial 26996 & on)	2
-13	AN4-11A	. Bolt - (Attach safety belts inboard)	1
	NAS43-4-47	. Spacer - (Attach safety belts inboard)	1
	AN365-428	. Nut - (Attach safety belts inboard)	1
-14	AN4-6A	. Bolt - (Attach safety belts outboard)	2
-15	NAS43-4-20	. Spacer - (Attach safety belts outboard)	2
-16	AN364-428	. Nut - (Attach safety belts outboard)	2
	0511108-106	. Back Assembly - Rear seat (serial 20267 thru 25372)	1
	0500100-45	. Back Assembly - Rear seat (serial 25373 thru 26038)	1
	0500101-45	. Back Assembly - Rear seat (serial 26039 thru 26504)	1
	0500102-45	. Back Assembly - Rear seat (serial 26505 thru 26995)	1
	0500103-70	. Back Assembly - Rear seat (serial 26996 & on)	1
-17	0511108-93	. . Cover Assembly - Rear seat back (serial 20267 thru 25372)	1
	0500100-108	. . Cover Assembly - Rear seat back (serial 25373 thru 26038)	1
	0500101-108	. . Cover Assembly - Rear seat back (serial 26039 thru 26504)	1
	0500102-108	. . Cover Assembly - Rear seat back (serial 26505 thru 26995)	1
	0500103-69	. . Cover Assembly - Rear seat back (serial 26996 & on)	1
-18	0511108-22	. . Latch - Seat back (serial 20267 thru 26995)	1
	0411623-1	. . Latch - Seat back (serial 26996 & on)	1
-19	0411333	. . Spring - Latch left	1
	0411333-1	. . Spring - Latch right	1
-20	0411629	. . Arm - Seat back latch	2
-21	0511284-3	. . Latch Assembly - Rear seat (serial 26996 & on)	1
	0511284-4	. . Latch Assembly - Rear seat (serial 26996 & on)	1
-22	59-022-044-37S	. . Roll Pin - (Attach arm) (Elastic Stop Nut Corp. of America)	4
-23	0511108-92	. . Button - Pearl tufting (serial 20267 thru 25372)	4
-24	7283	. . Button - Tufting (serial 20267 thru 25372)	4

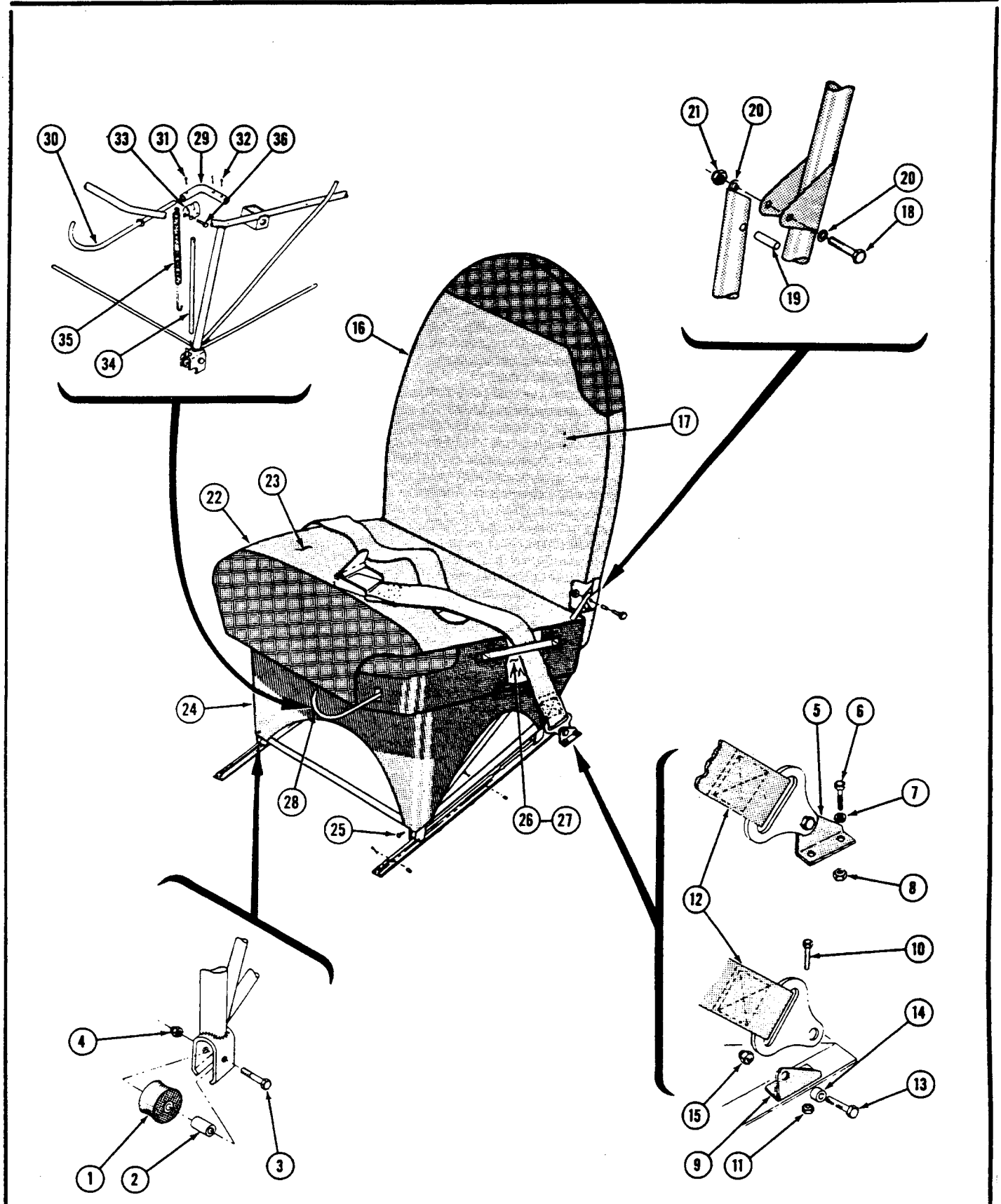


FIGURE 32. FRONT SEAT INSTALLATION

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
32-	No Number	Seat Installation - Front (see figure 1 for NHA)	Ref
-1	0311310	. Roller - Seat	4
-2	0311586	. Bushing - Seat roller	4
-3	AN3-11A	. Bolt - (Attach roller)	4
-4	AN365-1032	. Nut - (Attach roller)	4
-5	0511301-19	. Bracket - Safety belt attachment left	1
-6	AN3-5A	. Bolt - (Attach bracket) (serial 20267 thru 26995)	2
	AN3-4A	. Bolt - (Attach bracket) (serial 26996 & on)	2
-7	AN960-10	. Washer - (Attach bracket)	2
-8	AN365-1032	. Nut - (Attach bracket)	2
-9	0511301-18	. Bracket - Safety belt attachment right	1
-10	AN3-4A	. Bolt - (Attach bracket)	2
-11	AN365-1032	. Nut - (Attach bracket)	2
-12	0311710-7	. Belt Assembly - Safety (serial 20267 thru 26995)	1
	0311710-9	. Belt Assembly - Safety (serial 26996 & on)	1
-13	AN4-6A	. Bolt - (Attaching safety belt)	2
-14	NAS43-4-20	. Spacer - (Attach safety belt)	2
-15	AN365-428	. Nut - (Attach safety belt)	2
-16	0511301-142	. Seat Assembly - Front (serial 20267 thru 25372)	1
	0500100-43	. Seat Assembly - Front (serial 25373 thru 26038)	1
	0500101-43	. Seat Assembly - Front (serial 26039 thru 26504)	1
	0500102-43	. Seat Assembly - Front LH (serial 26505 thru 26995)	1
	0500102-188	. Seat Assembly - Front RH (serial 26505 thru 26995)	1
	0500103-96	. Seat Assembly - Front RH (serial 26996 & on)	1
	0500103-97	. Seat Assembly - Front LH (serial 26996 & on)	1
	0511301-168	. . Back Assembly - Front seat upholstered (serial 20267 thru 25372)	1
	0500100-40	. . Back Assembly - Front seat upholstered (serial 25373 thru 26038)	1
	0500101-40	. . Back Assembly - Front seat upholstered (serial 26039 thru 26504)	1
	0500102-40	. . Back Assembly - Front seat upholstered LH (serial 26505 thru 26995)	1
	0500102-42	. . Back Assembly - Front seat upholstered RH (serial 26505 thru 26995)	1
	0500103-56	. . Back Assembly - Front seat RH (serial 26996 & on)	1
	0500103-57	. . Back Assembly - Front seat LH (serial 26996 & on)	1
-17	0511301-121	. . . Cover Assembly - Front seat back (serial 20267 thru 25372)	1
	0500100-131	. . . Cover Assembly - Front seat back (serial 25373 thru 26038)	1
	0500101-131	. . . Cover Assembly - Front seat back (serial 26038 thru 26504)	1
	0500102-131	. . . Cover Assembly - Front seat back LH (serial 26505 thru 26995)	1
	0500102-190	. . . Cover Assembly - Front seat back RH (serial 26505 thru 26995)	1
	0500103-89	. . . Cover Assembly - Front seat back LH (serial 26996 & on)	1
	0500103-88	. . . Cover Assembly - Front seat back RH (serial 26996 & on)	1
-18	AN3-5A	. . Bolt - (Attach seat back to seat bottom) (serial 20267 thru 25952)	2
	AN4-12A	. . Bolt - (Attach seat back to seat bottom) (serial 25953 & on)	2
-19	0511301-20	. . Bushing - (Serial 20267 thru 25952)	2
	0500103-84	. . Bushing - Hinge joint (serial 26996 & on)	2
-20	AN960-10	. . Washer - (Serial 20267 thru 25952)	4
-21	AN365-1032	. . Nut - (Attach seat back to seat bottom) (serial 20267 thru 25952)	2
	AN365-428	. . Nut - (Attach seat back to seat bottom) (serial 25953 & on)	2
-22	0511301-138 *	. . Bottom Assembly - Front seat upholstered (serial 20267 thru 25978*)	1
	0500100-130	. . Bottom Assembly - Front seat upholstered (serial 25979 thru 26038)	1
	0500101-130	. . Bottom Assembly - Front seat upholstered (serial 26038 thru 26504)	1
	0500102-130	. . Bottom Assembly - Front seat upholstered (serial 26505 thru 26995)	1
	0500103-80	. . Cushion Assembly (serial 26996 & on)	1
-23	0511301-131	. . . Cover Assembly - Front seat bottom (serial 20267 thru 25372)	1
	0500100-139	. . . Cover Assembly - Front seat bottom (serial 25373 thru 26038)	1
	0500101-139	. . . Cover Assembly - Front seat bottom (serial 26039 thru 26504)	1
	0500102-139	. . . Cover Assembly - Front seat bottom (serial 26505 thru 26995)	1
	0500103-95	. . . Cover Assembly - Front seat bottom (serial 26996 & on)	1
-24	0511173	. . . Skirt - Front seat	1
-25	PK76XZ-6-4	. . . Screw - (Attach skirt)	4
-26	0511172	. . . Retainer - Seat bottom upholstered	1
-27	PK76XZ-6-4	. . . Screw - (Attach retainer)	11
-28	0511301-166	. . . Handle Assembly - Front seat adjustment	1
-29	0511184	. . . . Attachment - Seat handle	1
-30	0511301-120	. . . . Handle - Front seat adjustment	1
-31	AN380-4-3	. . . . Pin - Cotter (connect shaft and handle)	1
-32	AN380-4-3	. . . Pin - Cotter (attach shaft to seat frame)	2
-33	0311644	. . . Clevis - Front seat adjustment	1
-34	0311311-1	. . . Rod - Front seat adjustment	1
-35	0310196-2	. . . Spring - Coil	1
-36	AN392-15	. . . Pin - Clevis (attach spring)	1

* On airplanes serial 25949 thru 25978 if seat bottom is required, a complete seat must be ordered.

ILLUSTRATED PARTS CATALOG

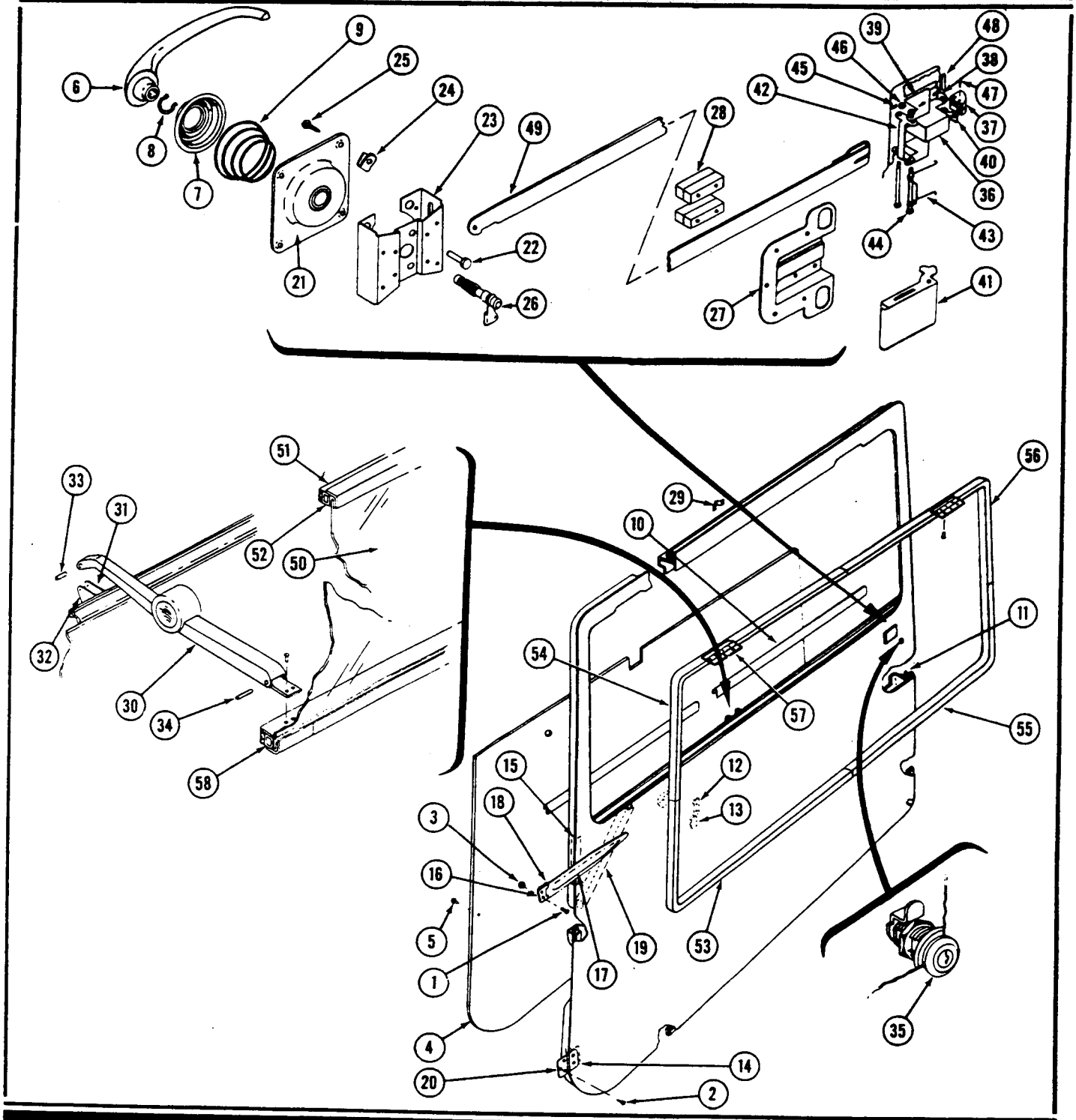


FIGURE 33. LEFT DOOR INSTALLATION

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
33-	No Number	Cabin Door Installation - Left (0511106 Ref)(see figure 1 for NHA)	Ref
-1	AN507-1032R8	. Screw - (Attach upper door hinge to fuselage)	2
-2	AN365-1032R9	. Screw - (Attach lower door hinge to fuselage)	2
-3	AN365-1032	. Nut - (Attach door hinge)	4
	0511106-136	. Cabin Door Assembly - Left (serial 20267 thru 25372)	1
	0511106-143	. Cabin Door Assembly - Left (serial 25373 thru 26038)	1

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
33-	0511106-139	Cabin Door Assembly - Left (serial 26039 thru 26504)	1
	0511106-141	Cabin Door Assembly - Left (serial 26505 & on)	1
-4	0511106-119	. Panel Assembly - Upholstery (serial 20267 thru 25372)	1
	0500100-9	. Panel Assembly - Upholstery (serial 25373 thru 26038)	1
	0500101-9	. Panel Assembly - Upholstery (serial 26039 thru 26504)	1
	0500102-9	. Panel Assembly - Upholstery (serial 26505 thru 26995)	1
	0500103-51	. Panel Assembly - Upholstery (serial 26995 & on)	1
-5	#807	. . Fastener - Upholstery panel (AU-VE-CO)	13
-6	0511183	. Handle - Inside door (serial 20267 thru 26038)	1
	0511189	. Handle - Inside door (serial 26039 & on)	1
-7	0511181	. Escutcheon - Door handle (serial 20267 thru 26038)	1
	0511189-2	. Escutcheon - Door handle (serial 26039 & on)	1
-8	0511182	. Clip - Door handle retaining (serial 20267 thru 26038)	1
	0511189-1	. Clip - Door handle retaining (serial 26039 & on)	1
-9	0413317-1	. Spring - (Between door and upholstery)(serial 26039 & on)	1
	0511106-98	. Structure Assembly - Cabin door left	1
-10	0511106-38	. . Channel - Upholstery retainer	2
-11	0711010-1	. . Weatherstrip - Cabin door	1
-12	0511106-37	. . Clip - Upholstery retainer	2
-13	PK76XZ-4-4	. . Screw - (Attach clips)	4
-14	0511106-36	. . Reinforcement - Door Hinge	1
-15	0511106-40	. . Angle - Door reinforcement	1
	0511106-106	. . Hinge Assembly - Upper door	1
-16	0511106-14	. . . Hinge Half - Upper door	1
-17	0511106-18	. . . Hinge Half - Upper door	1
-18	0711001-59	. . . Pin - Upper hinge	1
-19	0511106-22	. . Bracket - Lower hinge	1
-20	0411579-4	. . Hinge - Lower door (serial 20267 thru 26995)	1
-21	0413195-3	. . Plate Assembly - Door handle bearing	1
-22	AN394-27	. . Pin - Clevis (latch stop)	1
-23	0511106-137	. . Bracket Assembly - Inner door handle	1
-24	NAS395-16-3	. . Nut - (Tinnerman A1789-8Z-3)	4
-25	PK79XZ-8-8	. . Screw - (Attach bracket)	4
-26	0511227	. . Shaft - Door handle	1
-27	0411576	. . Pan - Door latch	1
-28	0411886	. . Spacer - Door latch pan	4
-29	A1663-.017-1	. . Latch - Door stop	1
-30	0413362-2	. . Latch Assembly - Window (serial 20267 thru 25372)	1
	0413362-3	. . Latch Assembly - Window (serial 25373 & on)	1
-31	0413366	. . . Bracket - Window latch	1
-32	0413366-1	. . . Bracket - Window latch	1
-33	0413148	. . . Rivet - Window latch	1
-34	0452120	. . . Pin - Window latch	1
-35	0413323-1	. . Lock Assembly - Door	1
	0511112-11	. . Latch Assembly - Door	1
-36	0511112-2	. . . Housing - Door latch	1
-37	0411552	. . . Catch - Door latch	1
-38	0411554	. . . Spring - Door latch	1
-39	0511112-9	. . . Bracket Assembly - Door latch	1
-40	0411555	. . . Pull Bar - Door latch	1
-41	0411557	. . . Handle - Door latch	1
-42	0411559	. . . Spacer - Door latch	1
-43	0511119	. . . Spring - Door handle return	1
-44	AN392-53	. . . Pin - Latch pivot	2
-45	AN380-2-2	. . . Pin - Cotter	2
-46	AN960-4	. . . Washer	3
-47	NAS41-2-.500	. . . Shaft - Catch stop	1
-48	NAS41-3-1	. . . Shaft - Catch actuating	1
-49	0411575-6	. . . Strap - Door latch	1
	NAS43-DD-3-27	. . . Spacer	2
	0511106-50	. . Window Assembly - Left door	1
-50	0511106-104	. . . Glass Assembly - Window	1
-51	0511106-103	. . . . Seal - Window glass	1
-52	0511106-53	. . . Frame Assembly - Window	1
-53	0511106-10	. . . Angle - Window frame (lower forward)	1
-54	0511106-31	. . . Angle - Window frame (upper forward)	1
-55	0511106-33	. . . Angle - Window frame (lower rear)	1
-56	0511106-34	. . . Angle - Window frame (upper rear)	1
-57	0411185	. . Hinge - Window (serial 20267 thru 26215)	2
	0411185-7	. . Hinge - Window (serial 26216 & on)	2
-58	0511106-105	. . Seal - Window	1

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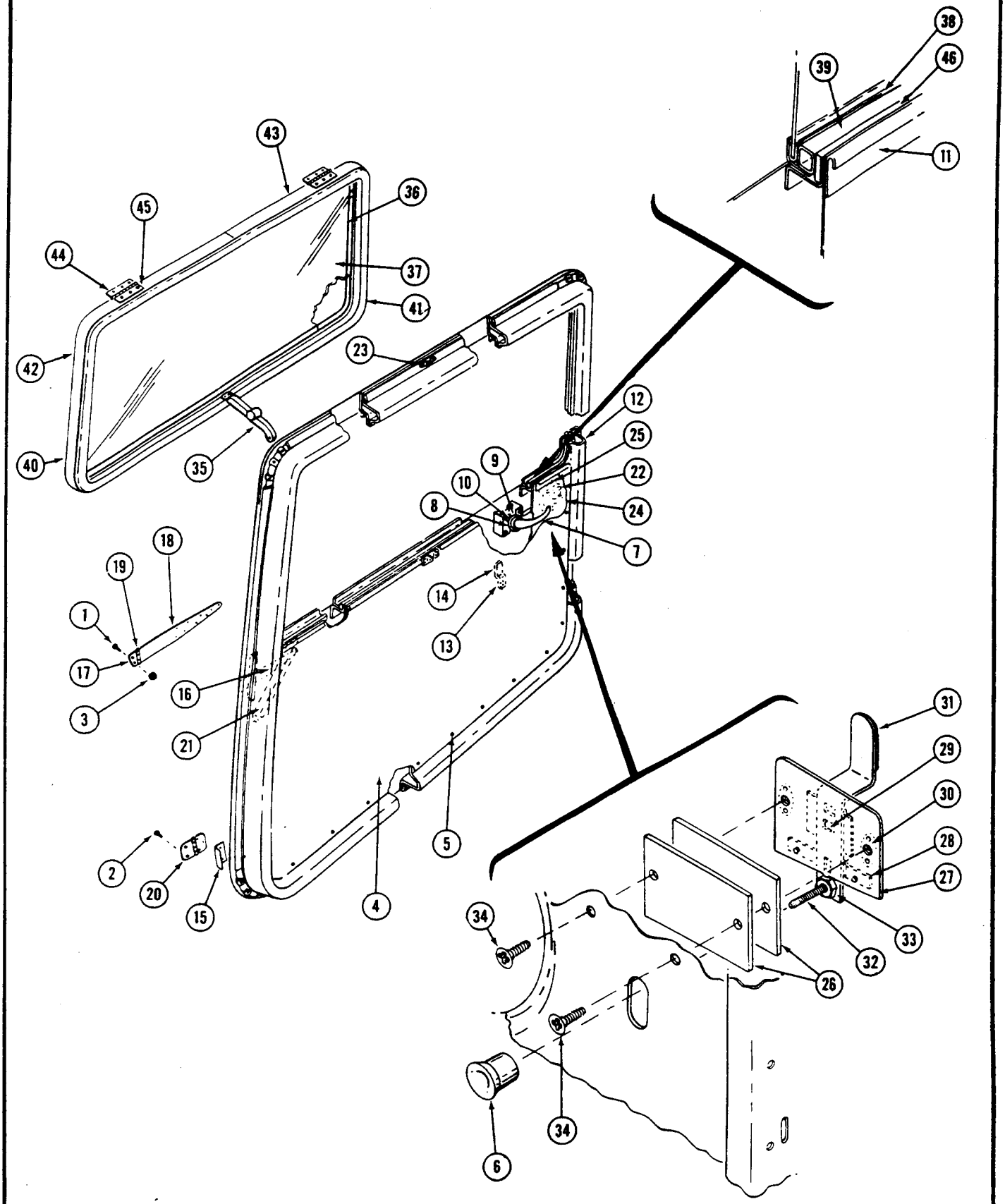

FIGURE 34. RIGHT DOOR INSTALLATION (SERIAL 20267 THRU 26995)

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
34-	No Number	Cabin Door Installation - Right (0511106 Ref) (see figure 1 for NHA) (serial 20267 thru 26995)	Ref
-1	AN507-1032R8	. Screw - (Attach upper hinge)	2
-2	AN526-1032R9	. Screw - (Attach lower hinge)	2
-3	AN365-1032	. Nut - (Attach door hinge)	4
	0511106-91	. Cabin Door Assembly - Right (serial 20267 thru 25372)	1
	0511106-142	. Cabin Door Assembly - Right (serial 25373 thru 26038)	1
	0511106-138	. Cabin Door Assembly - Right (serial 26039 thru 26504)	1
	0511106-140	. Cabin Door Assembly - Right (serial 26505 thru 26995)	1
-4	0511106-120	. . Panel Assembly - Upholstery (serial 20267 thru 25372)	1
	0500100-10	. . Panel Assembly - Upholstery (serial 25373 thru 26038)	1
	0500101-10	. . Panel Assembly - Upholstery (serial 26039 thru 26504)	1
	0500102-10	. . Panel Assembly - Upholstery (serial 26505 thru 26995)	1
-5	#807	. . . Fastener - Upholstery panel (AU-VE-CO)	13
-6	0411092	. . Knob - Thumb latch (serial 20267 thru 25372)	1
	0411092-1	. . Knob - Thumb latch (serial 25373 thru 26995)	1
-7	0511183	. . Handle - Inside door (see figure 33-6)(serial 20267 thru 26038)	1
	0511189	. . Handle - Inside door (see figure 33-6)(serial 26039 thru 26995)	1
-8	0511181	. . Escutcheon - Door handle (see figure 33-7)(serial 20267 thru 26038)	1
	0511189-2	. . Escutcheon - Door handle (see figure 33-7)(serial 26039 thru 26995)	1
-9	0511182	. . Clip - Door handle retaining (see figure 33-8)(serial 20267 thru 26038)	1
	0511189-1	. . Clip - Door handle retaining (see figure 33-8)(serial 26039 thru 26995)	1
-10	0413317-1	. . Spring - (Between door & upholstery)(serial 26039 thru 26995)	1
	0511106-97	. . Structure Assembly - Cabin door right	1
-11	0511106-38	. . . Channel - Upholstery retainer	2
-12	0711010-1	. . . Weatherstrip - Cabin door	1
-13	0511106-37	. . . Clip - Upholstery retainer	2
-14	PK76XZ-4-4	. . . Screw - (Attach clips)	4
-15	0511106-36	. . . Reinforcement - Door hinge	1
-16	0511106-40	. . . Angle - Door reinforcement	1
	0511106-107	. . . Hinge Assembly - Upper right door	1
-17	0511106-15	. . . . Hinge Half - Upper door	1
-18	0511106-19	. . . . Hinge Half - Upper door	1
-19	0711001-59	. . . . Pin - Upper hinge	1
-20	0411579-4	. . . Hinge Assembly - Lower right door	1
-21	0511106-23	. . . Bracket - Lower hinge	1
	0411576	. . . Pan - Door latch (see figure 33-27)	1
	0511227-1	. . . Shaft - Door handle (see figure 33-26)	1
-22	0411886	. . . Spacer - Door latch pan	4
-23	A1663-.017-1	. . . Latch - Door stop	1
	0413195-3	. . . Plate Assembly - Door handle bearing (see figure 33-21)	1
	0511106-137	. . . Bracket Assembly - Inner door handle (see figure 33-23)	1
	AN394-27	. . . Pin - Clevis (latch stop)(see figure 33-22)	1
	NAS395-16-3	. . . Nut - (Tinnerman A1789-8Z-3)(see figure 33-24)	4
	PK79XZ-8-8	. . . Screw - (Attach bracket)	4
-24	0511112-11	. . . Latch Assembly - Door (see figure 33 for breakdown)	1
-25	CR163-4-2	. . . Rivet - (Attach latch to door)	8
-26	0511106-109	. . . Doubler - Thumb latch	2
	0411590-1	. . . Latch Assembly - Thumb	1
-27	0411665	. . . . Housing - Thumb latch	1
-28	0411590-3	. . . . Bracket - Thumb latch	1
-29	0411591	. . . . Spring - Thumb latch	1
-30	NAS444-4-3	. . . . Nut - (Tinnerman A6191-8Z-3)(Attach thumb latch)	2
-31	0411592-1	. . . . Bolt - Door latch	1
-32	AN526-832R12	. . . . Screw - (Attach knob to bolt)	1
-33	AN364-832	. . . . Nut - (Attach knob to bolt)	1
-34	PK76XZ-8-8	. . . Screw - (Attach latch assembly)	2
-35	0413362-3	. . . Latch Assembly - Window (see figure 33 for breakdown)	1
-36	0511106-51	. . . Window Assembly - Right door	1
-37	0511106-104	. . . . Glass Assembly - Window	1
-38	0511106-103	. . . . . Seal - Window glass	1
-39	0511106-54	. . . . Frame Assembly - Window	1
-40	0511106-11	. . . . Angle - Window frame (lower forward)	1
-41	0511106-34	. . . . Angle - Window frame (lower rear)	1
-42	0511106-32	. . . . Angle - Window frame (upper forward)	1
-43	0511106-33	. . . . Angle - Window frame (upper rear)	1
-44	0411185	. . . Hinge - Window (serial 20267 thru 26215)	2
	0411185-7	. . . Hinge - Window (serial 26216 thru 26995)	2
-45	CR163-4-4	. . . Rivet - (Attach hinge and window frame angles)	8
-46	0511106-105	. . . Seal - Window	1

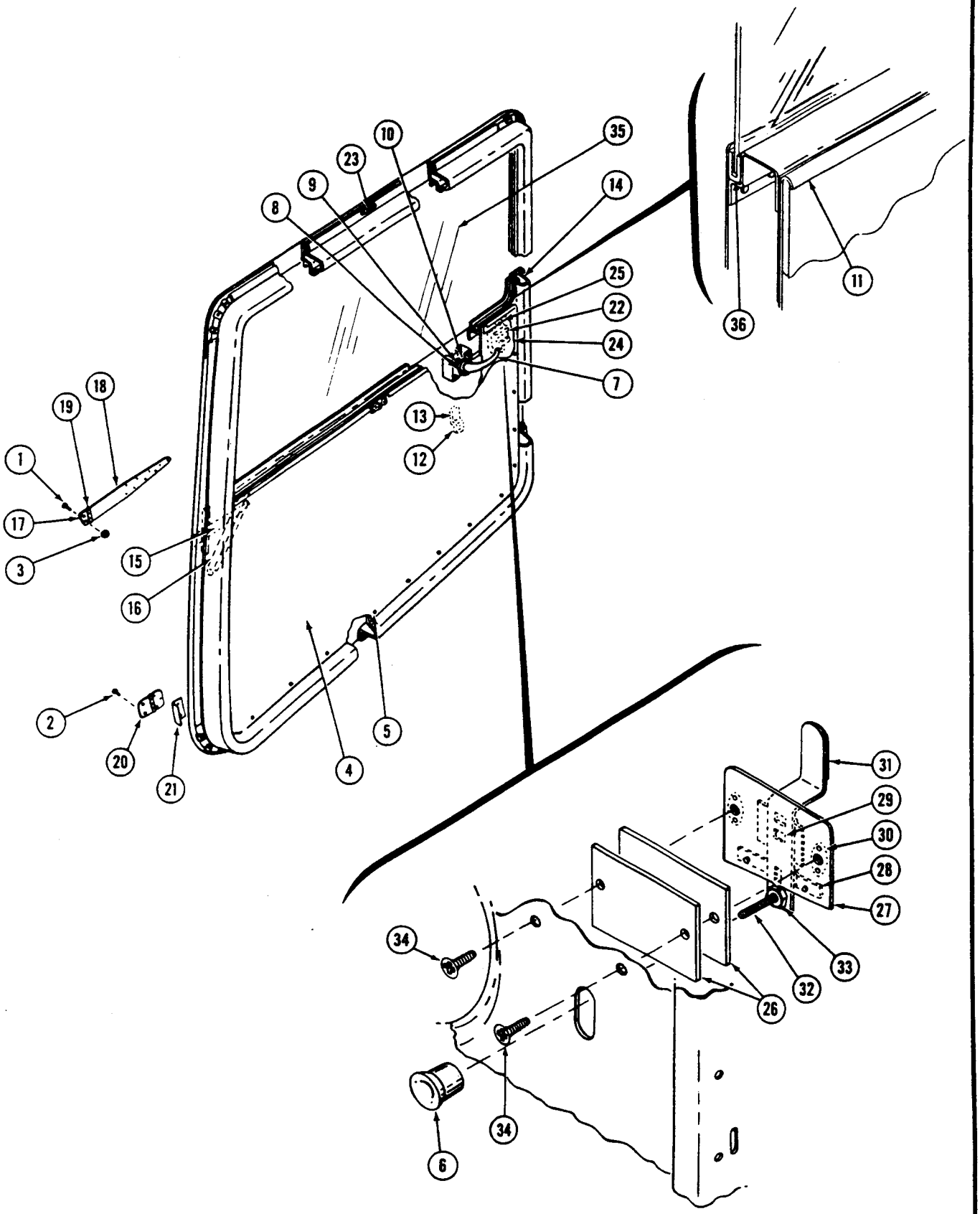

FIGURE 34A. RIGHT DOOR INSTALLATION (SERIAL 26996 AND ON)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
34A-	No Number	Cabin Door Installation - Right (0511106 Ref.) (see figure 1 for NHA)(serials 26996 & on).	Ref
-1	AN507-1032R8	. Screw - (Attach upper hinges)	2
-2	AN526-1032R9	. Screw - (Attach lower hinge)	2
-3	AN365-1032	. Nut - (Attach hinges)	4
	0511106-151	. Cabin Door Assembly - Right	1
-4	0500103-52	. . Panel Assembly - Upholstery	1
-5	#807	. . . Fastener - Upholstery panel (AU-VE-CO)	13
-6	0411092-1	. . Knob - Thumb latch	1
-7	0511189	. . Handle - Inside door (see figure 33-6)	1
-8	0511189-2	. . Escutcheon - Door handle (see figure 33-7)	1
-9	0511189-1	. . Clip - Door handle retaining (see figure 33-8)	1
-10	0413317-1	. . Spring - (Between door & upholstery)	1
	0511106-158	. . Structure Assembly - Cabin door right	1
-11	0511106-150	. . . Retainer - Upholstery	1
-12	0511106-37	. . . Clip - Upholstery	2
-13	PK76XZ-4-4	. . . Screw - (Attach clips)	4
-14	0711013	. . . Weatherstrip	1
-15	0511106-36	. . . Reinforcement - Door hinge	1
-16	0511106-40	. . . Angle - Door reinforcement	1
	0511280-2	. . . Hinge Assembly - Upper right door	1
-17	0511237-2	. . . . Hinge Half Assembly	1
-18	0511238-2	. . . . Hinge Half Assembly	1
-19	0711001-59	. . . . Pin - (Peen both ends)	1
-20	0511280-4	. . . Hinge Assembly - Lower right door	1
-21	0511106-23	. . . Bracket - Lower hinge	1
	0411576	. . . Pan - Door latch (see figure 33-27)	1
	0511227-1	. . . Shaft - Door handle (see figure 33-26)	1
-22	0411886	. . . Spacer - Door latch pan	4
-23	A1663-028-1	. . . Latch - Door stop	1
	0413195-3	. . . Plate Assembly - Door handle bearing (see figure 33-21)	1
	0511106-137	. . . Bracket Assembly - Inner door handle (see figure 33-23)	1
	AN394-27	. . . Pin - Clevis (latch stop) (see figure 33-22)	1
	NAS395-16-3	. . . Nut - (Tinnerman A1789-8Z-3) (see figure 33-24)	4
	PK79XZ-8-8	. . . Screw - (Attach bracket)	4
-24	0511112-11	. . . Latch Assembly - Door (see figure 33 for breakdown)	1
-25	CR163-4-2	. . . Rivet - (Attach latch to door)	8
-26	0511106-109	. . . Doubler - Thumb latch	2
	0411590-1	. . . Latch Assembly - Thumb	1
-27	0411665	. . . . Housing - Thumb latch	1
-28	0411590-3	. . . . Bracket - Thumb latch	1
-29	0411591	. . . . Spring - Thumb latch	1
-30	NAS444-4-3	. . . . Nut - (Tinnerman A6191-8Z-3) (attach thumb latch)	2
-31	0411592-1	. . . . Bolt - Door latch	1
-32	AN526-832R12	. . . . Screw - (Attach knob to bolt)	1
-33	AN365-832	. . . . Nut - (Attach knob to bolt)	1
-34	PK76XZ-8-8	. . . Screw - (Attach latch assembly)	2
-35	0511106-3	. . Glass Assembly - Window	1
-36	0511106-103	. . Seal - Window glass	1

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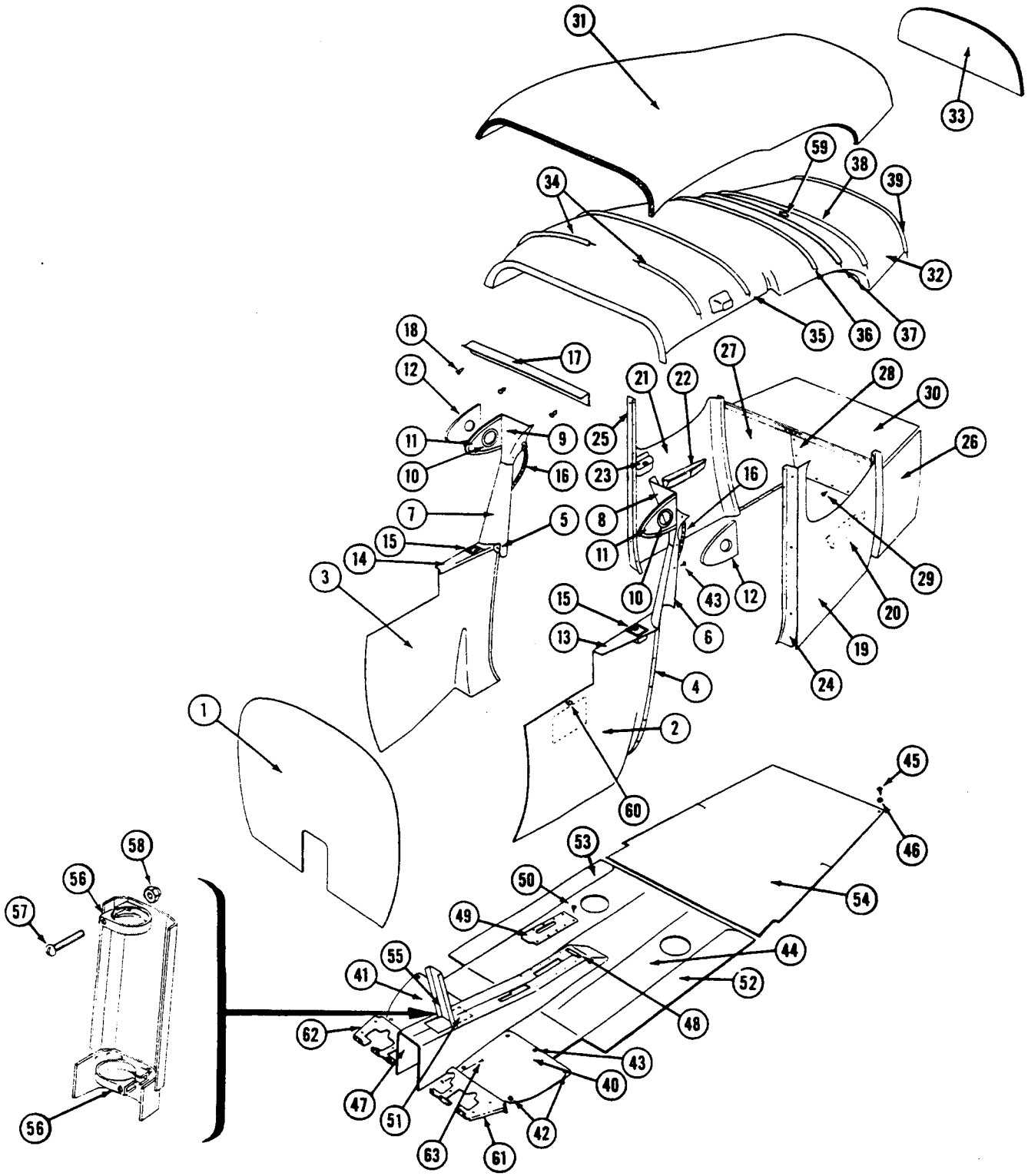

FIGURE 35. UPHOLSTERY INSTALLATION (SERIALS 20267 THRU 25372)

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
35-	No Number	Upholstery Installation (serials 20267 thru 25372) (0511001 Ref) (see figure 1 for NHA)	Ref
-1	0511001-8	. Panel Assembly - Firewall	1
-2	0511001-164	. Panel Assembly - Left sidewall front	1
-3	0511001-165	. Panel Assembly - Right sidewall front	1
-4	0411730	. Channel - Upholstery retainer	2
	PK88XA-4-6	. Screw - (Attach retainers)	10
	#600	. Washer - Finishing	10
-5	0511152	. Fairing - Corner	2
	PK76XZ-4-6	. Screw - (Attach fairing)	2
-6	0511137	. Cover - Left door post	1
-7	0511137-1	. Cover - Right door post	1
-8	0511169	. Shield Assembly - Left door post upper	1
-9	0511169-1	. Shield Assembly - Right door post upper	1
-10	0413235	. . Grommet - Shield	1
-11	0411875-7	. . Moulding - Windshield	1
-12	0511001-133	. Soundproofing - Shield	2
-13	0511136	. Fairing Assembly - L. H. ash receiver	1
-14	0511136	. Fairing Assembly - R. H. ash receiver	1
-15	0413120	. . Receiver - Ash	1
	PK76XZ-6-6	. Screw - (Attach fairing)	4
-16	0511001-129	. Strap - Assist	2
	T-5/8	. Screw - (Attach assist straps) (AU-VE-CO)	4
-17	0511130	. Shield - Front spar trim	1
-18	#49265	. Fastener - United Carr (attach front spar trim)	3
-19	0511001-140	. Panel Assembly - Left aft	1
-20	0511001-171	. Arm Rest Assembly - L. H.	1
-21	0511001-141	. Panel Assembly - Right aft	1
-22	0511001-172	. Arm Rest Assembly - R. H.	1
	PK76XZ-8-8	. Screw - (Attach arm rest)	6
	NAS395-12-3	. Nut - (Tinnerman #A1786-8Z-3) (attach arm rest)	6
-23	#C-6861	. Receiver - Ash (Grand Rapids Metal Craft Co)	2
	PK76XZ-8-8	. Screw - (Attach ash receiver)	4
	NAS395-12-3	. Nut - (Tinnerman #A1786-8Z-3) (attach ash receiver)	4
-24	0511177	. Fairing - L. H. rear door	1
-25	0511177-1	. Fairing - R. H. rear door post	1
	PK76XZ-6-6	. Screw - (Attach fairing)	16
-26	0511001-12	. Panel Assembly - Baggage compartment L. H. (serial 20267 thru 25372)	1
	0500100-3	. Panel Assembly - Baggage compartment L. H. (serial 20525 & on)	1
-27	0511001-13	. Panel Assembly - Baggage compartment R. H. (serial 20267 thru 25372)	1
	0500100-4	. Panel Assembly - Baggage compartment R. H. (serial 20525 & on)	1
-28	0511001-11	. Panel Assembly - Baggage compartment rear (serial 20267 thru 25372)	1
	0500100-2	. Panel Assembly - Baggage compartment rear (serial 20525 & on)	1
-29	#49625	. Fastener - United Carr (attach rear baggage panel)	18
-30	0513013	. Shelf Assembly - Baggage	1
	PK76XZ-4-4	. Screw - (Attach baggage shelf)	10
-31	0511001-186	. Panel Assembly - Cabin top soundproof	1
-32	0511001-145	. Headliner Assembly	1
-33	0500100-15	. Panel Assembly - Cabin rear upper soundproof	1
-34	0511001-22	. Wire - Headliner	2
-35	0511001-20	. Wire - Headliner	1
-36	0511000-147	. Wire - Headliner	1
-37	0511001-148	. Wire - Headliner	1
-38	0511001-149	. Wire - Headliner	1
-39	0511001-21	. Wire - Headliner	1
-40	0511001-16	. Kick Plate - Floorboard L. H.	1
-41	0511001-15	. Kick Plate - Floorboard R. H.	1
-42	PK76XZ-8-8	. Screw - (Attach kick plates)	8
-43	PK86XA-4-6	. Screw - Nickel plated	18
-44	0511001-28	. Carpet - Cabin floor	1
-45	PK88XA-4-6	. Screw - (Attach carpet)	13
-46	#600	. Washer - Finishing (attach carpet)	13
-47	0511001-32	. Carpet Assembly - Tunnel	1
-48	0511168	. Placard - Fuel selector valve	1
-49	0510185	. Cover Plate Assembly - Tunnel aft	1
-50	PK76XZ-8-10	. Screw - (Attach cover plate)	9
-51	0510141	. Cover Plate - Tunnel forward	1
	PK76XZ-8-6	. Screw - (Attach cover plate)	4
-52	0511001-30	. Carpet - Side strip L. H.	1
-53	0511001-31	. Carpet - Side strip R. H.	1
-54	0511001-29	. Carpet - Baggage compartment floor	1

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FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
35-55	0411293	Shield - Control tee	1
-56	0411840	Clamp - Shield attachment	2
-57	AN526-632R36	Screw - (Attach clamp)	2
-58	AN365-632	Nut - (Attach clamp)	2
-59	0511186	Hook - Coat hanger	1
	0500010-4	Washer	1
-60	0511018	Hook - Earphone	1
	PK76XZ-6-6	Screw - (Attach hook)	2
	NAS446-3-3	Nut - (Attach hook) (Tinnerman A1777-6Z-3)	2
-61	0513014	Shield LH	1
-62	0513015	Shield RH	1
-63	PK76XZ-8-8	Screw - (Attach shield)	16
	A1778-8Z-3	Nut - (Attach shield)	8

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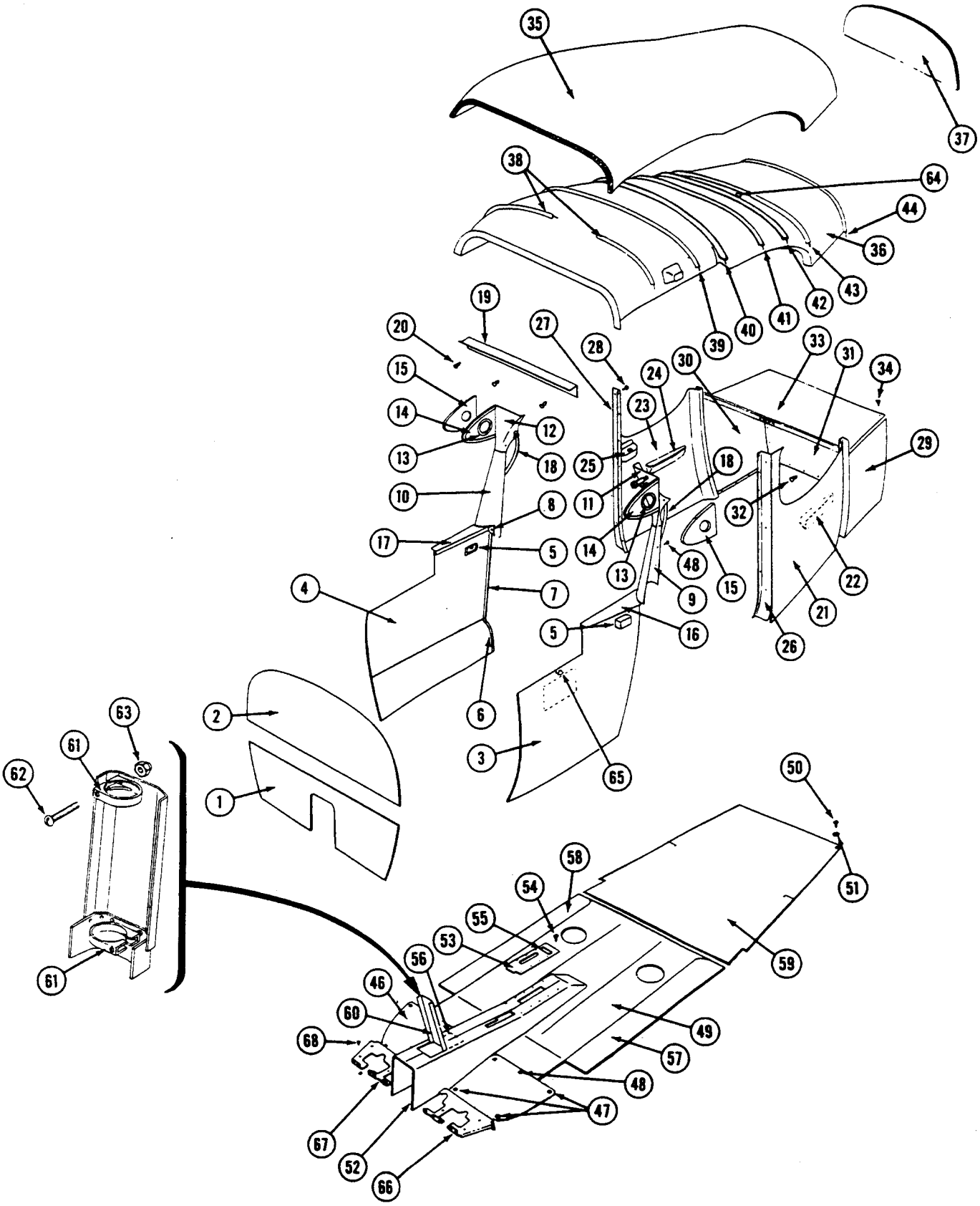

FIGURE 36. UPHOLSTERY INSTALLATION (SERIAL 25373 THRU 26995)

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
36-	No Number	Upholstery Installation - (Serial 25373 thru 26995) (see figure 1 for NHA)	Ref
-1	0500100-1	. Panel Assembly - Firewall lower (serial 25373 thru 26038)	1
	0500101-1	. Panel Assembly - Firewall lower (serial 26039 thru 26504)	1
	0500102-1	. Panel Assembly - Firewall lower (serial 26505 thru 26995)	1
-2	0500100-79	. Panel Assembly - Firewall upper (serial 25373 thru 26038)	1
	0500101-79	. Panel Assembly - Firewall upper (serial 26039 thru 26504)	1
	0500102-79	. Panel Assembly - Firewall upper (serial 26505 thru 26995)	1
-3	0500100-7	. Panel Assembly - Left sidewall front (serial 25373 thru 26038)	1
	0500101-7	. Panel Assembly - Left sidewall front (serial 26039 thru 26504)	1
	0500102-7	. Panel Assembly - Left sidewall front (serial 26505 thru 26995)	1
-4	0500100-8	. Panel Assembly - Right sidewall front (serial 25373 thru 26038)	1
	0500101-8	. Panel Assembly - Right sidewall front (serial 26039 thru 26504)	1
	0500102-8	. Panel Assembly - Right sidewall front (serial 26505 thru 26995)	1
-5	0411030-4	. . Ash Receiver	1
	PK76XZ-4-8	. . Screw - (Attach ash receiver)	2
	NAS446-1	. . Nut - (Tinnerman A1776-4Z-3)(attach ash receiver)	2
-6	0700100-193	. . Retainer - Upholstery	1
	PK89XA-4-4	. . Screw - (Attach retainer)	2
-7	0411730	. Channel - Upholstery retainer	2
	PK88XA-4-6	. Screw - (Attach retainer)	10
	#600	. Washer - Finishing (attach retainer)(AU-VE-CO)	10
-8	0511152	. Fairing - Corner	2
	PK76XZ-6-6	. Screw - (Attach fairing)	2
-9	0511137-8	. Cover - Left door post	1
	0713210-4	. . Decal - Map light	1
-10	0511137-1	. Cover - Right door post	1
-11	0511169-4	. Shield Assembly - Left door post upper	1
-12	0511169-1	. Shield Assembly - Right door post upper	1
-13	0413235	. . Grommet - Shield	1
-14	0411875-7	. . Moulding - Windshield	1
-15	0511001-133	. Soundproofing - Shield	2
-16	0500100-11	. Fairing Assembly - LH	1
-17	0500100-12	. Fairing Assembly - RH	1
	PK76XZ-6-6	. Screw - (Attach fairings)	4
-18	0511001-129	. Strap - Assist	2
	T-5/8	. Screw - (Attach assist straps)(AU-VE-CO)	4
-19	0511130	. Shield - Front spar trim	1
-20	#49265	. Fastener - United Carr (attach front spar trim)	3
-21	0500100-5	. Panel Assembly - Left aft (serial 25373 thru 26038)	1
	0500101-5	. Panel Assembly - Left aft (serial 26039 thru 26504)	1
	0500102-5	. Panel Assembly - Left aft (serial 26505 thru 26995)	1
-22	0500100-29	. Arm Rest Assembly - LH (serial 25373 thru 26038)	1
	0500101-29	. Arm Rest Assembly - LH (serial 26039 thru 26504)	1
	0500102-29	. Arm Rest Assembly - LH (serial 26505 thru 26995)	1
-23	0500100-6	. Panel Assembly - Right aft (serial 25373 thru 26038)	1
	0500101-6	. Panel Assembly - Right aft (serial 26039 thru 26504)	1
	0500102-6	. Panel Assembly - Right aft (serial 26505 thru 26995)	1
-24	0500100-30	. Arm Rest Assembly - RH (serial 25373 thru 26038)	1
	0500101-30	. Arm Rest Assembly - RH (serial 26039 thru 26504)	1
	0500102-30	. Arm Rest Assembly - RH (serial 26505 thru 26995)	1
	PK76XZ-8-8	. Screw - (Attach arm rests)	6
	NAS395-12-3	. Nut - (Tinnerman A1786-8Z-3)(attach arm rests)	6
-25	C-6861	. Receiver - Ash (Grand Rapids Medal Craft Co.)	2
	PK76XZ-8-8	. Screw - (Attach ash receiver)	4
	NAS395-12-3	. Nut - (Tinnerman A1786-8Z-3)(Attach ash receiver)	4
-26	0511177	. Fairing - LH rear door post	1
-27	0511177-1	. Fairing - RH rear door post	1
-28	PK76XZ-6-6	. Screw - (Attach fairing)	16
-29	0500100-3	. Panel Assembly - Baggage compartment LH (serial 25373 thru 26038)	1
	0500101-3	. Panel Assembly - Baggage compartment LH (serial 26039 thru 26504)	1
	0500102-3	. Panel Assembly - Baggage compartment LH (serial 26505 thru 26995)	1
-30	0500100-4	. Panel Assembly - Baggage compartment RH (serial 25373 thru 26038)	1
	0500101-4	. Panel Assembly - Baggage compartment RH (serial 26039 thru 26504)	1
	0500102-4	. Panel Assembly - Baggage compartment RH (serial 26505 thru 26995)	1
-31	0700100-2	. Panel Assembly - Baggage compartment rear	1
-32	#49265	. Fastener - United Carr (attach rear baggage panel)	18
-33	0513013	. Shelf Assembly - Baggage	1
-34	PK76XZ-4-4	. Screw - (Attach baggage shelf)	10
-35	0511001-186	. Panel Assembly - Cabin top soundproof	1
-36	0500100-28	. Headliner Assembly (Serial 25373 thru 26038)	1
	0500101-28	. Headliner Assembly (Serial 26039 thru 26504)	1

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FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
36-	0500102-28	Headliner Assembly (serial 26505 thru 26995)	1
-37	0500100-15	Panel Assembly - Cabin rear upper soundproof (serial 25373 thru 26038)	1
	0500101-15	Panel Assembly - Cabin rear upper soundproof (serial 26039 thru 26504)	1
	0500102-15	Panel Assembly - Cabin rear upper soundproof (serial 26505 thru 26995)	1
-38	0511001-22	Wire - Headliner	2
-39	0511001-20	Wire - Headliner	1
-40	0700100-191	Wire - Headliner	1
-41	0511001-147	Wire - Headliner	1
-42	0511001-148	Wire - Headliner	1
-43	0511001-149	Wire - Headliner	1
-44	0511001-21	Wire - Headliner	1
-45	0500100-173	Kick Plate - Floorboard LH	1
-46	0500100-174	Kick Plate - Floorboard RH	1
-47	PK76XZ-8-8	Screw - (Attach kick plates)	8
-48	PK86XA-4-6	Screw - Nickel plated	2
-49	0500100-27	Carpet - Cabin floor (serial 25373 thru 26038)	1
	0500101-27	Carpet - Cabin floor (serial 26039 thru 26504)	1
	0500102-27	Carpet - Cabin floor (serial 26505 thru 26995)	1
-50	PK88XA-4-6	Screw - (Attach carpet)	13
-51	#600	Washer - Finishing (attach carpet)(AU-VE-CO)	13
-52	0500100-33	Carpet Assembly - Tunnel (serial 25373 thru 26038)	1
	0500101-33	Carpet Assembly - Tunnel (serial 26039 thru 26504)	1
	0500102-33	Carpet Assembly - Tunnel (serial 26505 thru 26995)	1
-53	0510185	Cover Plate Assembly - Tunnel aft	1
-54	PK76XZ-8-10	Screw - (Attach cover plate)	9
-55	0511168	Placard - Fuel selector valve	1
-56	0510141	Cover Plate - Tunnel forward	1
	PK76XZ-8-6	Screw - (Attach cover plate)	4
-57	0500100-25	Carpet - Side strip LH (serial 25373 thru 26038)	1
	0500101-25	Carpet - Side strip LH (serial 26039 thru 26504)	1
	0500102-25	Carpet - Side strip LH (serial 26505 thru 26995)	1
-58	0500100-26	Carpet - Side strip RH (serial 25373 thru 26038)	1
	0500101-26	Carpet - Side strip RH (serial 26039 thru 26504)	1
	0500102-26	Carpet - Side strip RH (serial 26505 thru 26995)	1
-59	0500100-34	Carpet - Baggage compartment floor (serial 25373 thru 26038)	1
	0500101-34	Carpet - Baggage compartment floor (serial 26039 thru 26504)	1
	0500102-34	Carpet - Baggage compartment floor (serial 26505 thru 26995)	1
-60	0411293	Shield - Control tee	1
-61	0411840	Clamp - Shield attachment	2
-62	AN526-632R-36	Screw - (Attach clamp)	2
-63	AN365-632	Nut - (Attach clamp)	2
-64	0511186	Hook - Coat hanger	1
	0500010-4	Washer	1
-65	0511018	Hook - Earphone	1
	PK76XZ-6-6	Screw - (Attach hook)	2
	NAS446-3-3	Nut - (Attach hook)(Tinnerman A1777-6Z-3)	2
-66	0513014	Shield - Rudder bar LH	1
-67	0513015	Shield - Rudder bar RH	16
-68	PK76XZ-8-8	Screw - (Attach shield)	8
	A1778-8Z-3	Nut - (Attach shield)	

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ILLUSTRATED PARTS CATALOG

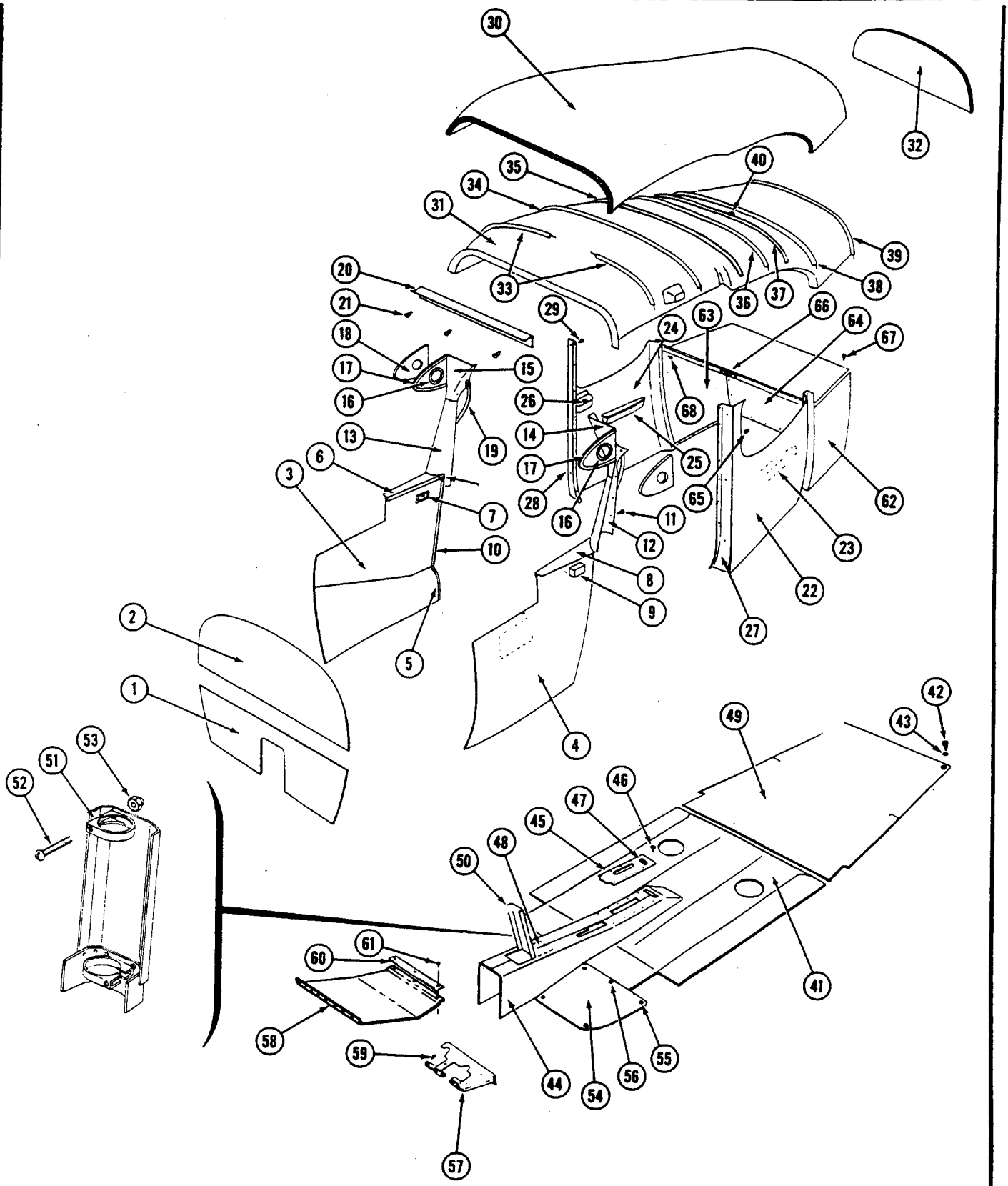

FIGURE 36A. UPHOLSTERY INSTALLATION (SERIAL 26996 AND ON)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
36A-	No Number	Upholstery Installation - (Serial 26996 & on) (see figure 1 for NHA)	Ref
-1	0500103-2	. Panel Assembly - Firewall lower	1
-2	0500103-1	. Panel Assembly - Firewall upper	1
-3	0500103-8	. Panel Assembly - Right sidewall	1
-4	0500103-9	. Panel Assembly - Left sidewall	1
-5	0700103-193	. . Retainer - Upholstery	2
	PK89XA-4-4	. . Screw - (Attach retainer)	1
-6	0500103-14	. Panel Assembly - Right side top	1
-7	0411030-4	. . Ash Receiver	2
	PK76XZ-4-8	. . Screw - (Attach ash receiver)	2
	NAS446-1	. . Nut - (Attach ash receiver) (Tinnerman 1776-4Z-3)	1
-8	0500103-15	. Panel Assembly - Left side top	1
	0513028-1	. . Decal - Operational limitation	1
-9	0411030-4	. . Ash Receiver	2
	PK76XZ-4-8	. . Screw - (Attach ash receiver)	2
	NAS446-1	. . Nut - (Attach ash receiver) (Tinnerman 1776-4Z-3)	2
-10	0511297	. Channel - Upholstery retainer	9
-11	PK88XA-4-6	. Screw - Nickel plate	10
	#600	. Washer - Finishing (attach retainer) (AU-VE-CO)	1
-12	0511137-13	. Cover - Left door post	1
	0713210-4	. . Decal - Map light	1
-13	0511137-12	. Cover - Right door post	1
-14	0511169-4	. Shield Assembly - Left door post upper	1
-15	0511169-1	. Shield Assembly - Right door post upper	1
-16	0413235	. . Grommet - Shield	1
-17	0411875-7	. . Moulding - Windshield	8
	PK76XA-4-6	. Screw - (Attach shield)	2
-18	0511001-133	. Soundproofing - Shield	2
-19	0511001-129	. Strap - Assist	4
	T-5/8	. Screw - (Attach assist strap)(AU-VE-CO)	1
-20	0511130	. Shield - Front spar	3
-21	49265-F-938	. Fastener - United Carr (attach front spar trim)	1
-22	0500103-17	. Panel Assembly - Left aft	1
-23	0500103-108	. Arm Rests Assembly - LH	1
-24	0500103-16	. Panel Assembly - Right aft	1
-25	0500103-109	. Arm Rests Assembly - RH	1
	PK76XZ-8-8	. Screw - (Attach arm rests)	6
	A1786-8Z-3	. Nut - (Attach arm rests)	6
-26	C-6881	. Receiver - Ash (Grand Rapids Metal Craft Co)	1
	PK76XZ-8-8	. Screw - (Attach ash receiver)	4
	A1786-8Z-3	. Nut - (Attach ash receiver)	4
-27	0511177-3	. Fairing - LH rear door post	1
-28	0511177-2	. Fairing - RH rear door post	1
-29	PK76XZ-6-6	. Screw - (Attach fairings)	20
-30	0511001-186	. Panel Assembly - Cabin top soundproof	1
-31	0500103-107	. Headliner Assembly	1
-32	0500103-5	. Panel Assembly - Cabin rear upper soundproof	1
-33	0511001-22	. Wire - Headliner	2
-34	0511001-20	. Wire - Headliner	1
-35	0700100-191	. Wire - Headliner	1
-36	0511001-147	. Wire - Headliner	1
-37	0511001-148	. Wire - Headliner	1
-38	0511001-149	. Wire - Headliner	1
-39	0511001-21	. Wire - Headliner	1
-40	0511186	. Hook - Coat hanger	1
	0500010-4	. Washer	1
-41	0500103-40	. Carpet - Cabin floor	1
-42	PK88A-4-6	. Screw - (Attach carpet)	13
-43	#600	. Washer - Finishing (attach carpet) (AU-VE-CO)	13
-44	0500103-101	. Carpet Assembly - Tunnel	1
-45	0510185	. Cover Plate Assembly - Tunnel	1
-46	PK76XZ-8-10	. Screw - (Attach cover plate)	9
-47	0511168	. Placard - Fuel selector valve	1
-48	0510141	. Cover Plate - Tunnel	1
	PK76XZ-8-6	. Screw - (Attach cover plate)	4
-49	0500102-34	. Carpet - Baggage compartment floor	1
-50	0411293	. Shield - Control tee	1

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FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
36A-51	0411840	Clamp - Shield attachment	2
-52	AN526-632R36	Screw - (Attach clamp)	2
-53	AN365-632	Nut - (Attach clamp)	2
-54	0500100-173	Kick Plate - Floorboard LH	1
-55	PK76XZ-8-8	Screw - (Attach kick plate)	4
-56	PK86A-4-6	Screw - Nickel plate	1
-57	0513014-1	Shield - Rudder box LH	1
-58	0713049-3	Shield - Rudder bar RH	1
-59	PK76XZ-6-8	Screw - (Attach shields)	15
	NAS446-4-3	Nut - (Attach shields) (Tinnerman A1778-8Z-3)	3
-60	0713049-7	Retainer	1
-61	PK76XZ-8-14	Screw - (Attach retainer)	3
-62	0500103-37	Panel Assembly - Baggage compartment LH	1
-63	0500103-38	Panel Assembly - Baggage compartment RH	1
-64	0700100-2	Panel Assembly - Baggage compartment rear	1
-65	49265-F-938	Fastener - United Carr (attach rear baggage shelf)	18
-66	0513013-9	Shelf Assembly - Baggage	1
-67	PK76XZ-4-4	Screw - (Attach baggage shelf)	10
-68	AN3-4A	Bolt - (Attach baggage shelf)	4

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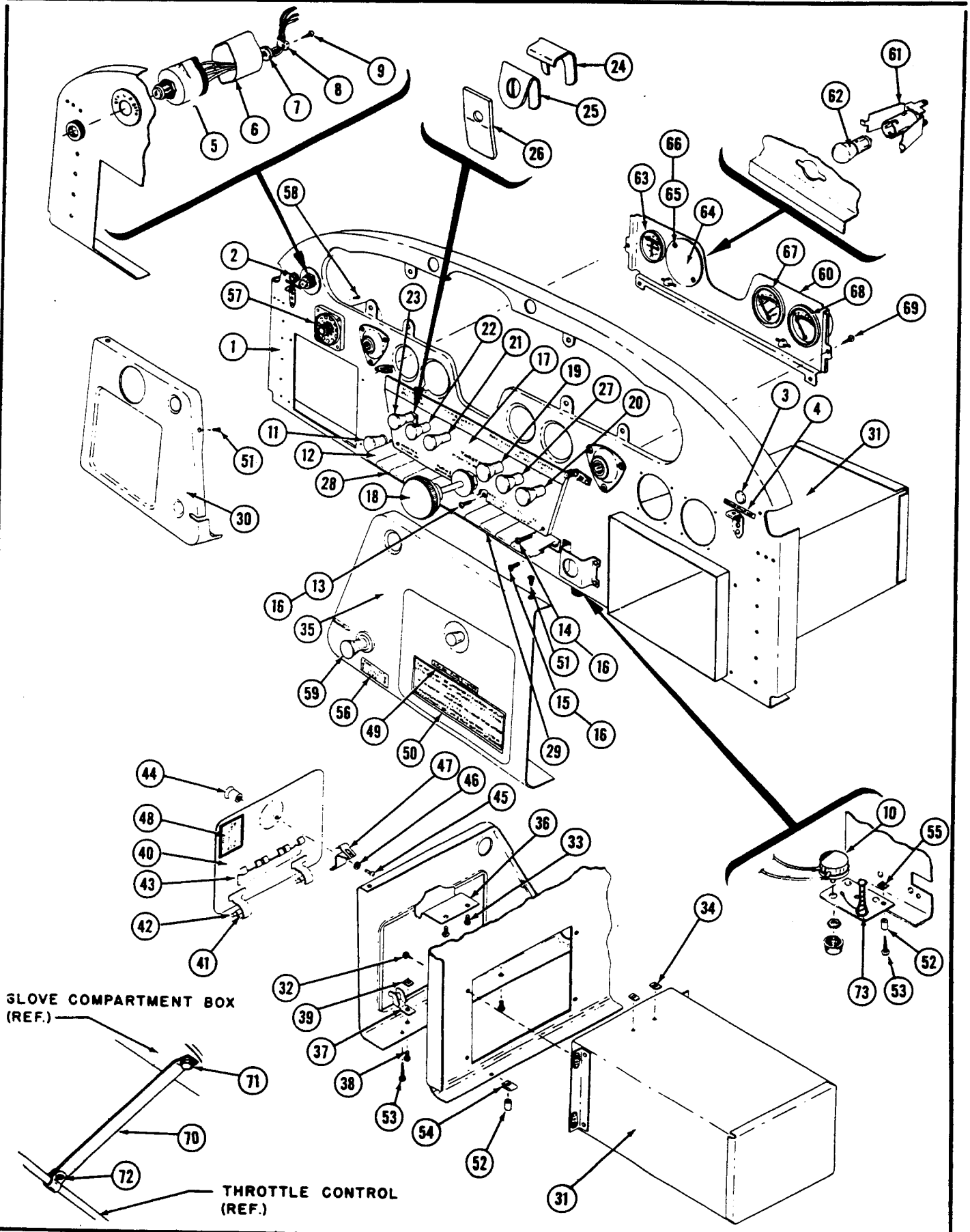

FIGURE 37. STATIONARY INSTRUMENT PANEL EQUIPMENT (SERIALS 20267 THRU 25372)

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
37-	No Number	Stationary Panel Equipment Installation (0413116 Ref.) (serial 20267 thru 25372) (see figure 1 for NHA)	Ref
-1	0513111	. Panel Assembly - Stationary (see figure 38 for breakdown) (see fig. 19 for NHA)	1
-2	0411038-1	. Jack - Headphone	1
-3	#41892	. Plug Button - (United Carr)	2
-4	0413166-3	. Decal - Headphone	1
-5	0311038-2	. Switch - Ignition	1
-6	0311777	. Shield Assembly - Ignition switch	1
-7	AN931-4-7	. . Grommet	1
-8	AN742-D3	. Clamp - (Tinnerman #2980A-3)	1
-9	PK76XZ-6-6	. Screw - (Attach clamp)	1
-10	0413126	. Rheostat Assembly - Panel light (with knob)	1
-11	0413215	. Primer Assembly - Engine	1
	0413017	. . Knob - Primer	1
	AN6227-7	. . "O" Ring - (Packing for primer)	1
-12	0412477-4	. Panel Assembly - Switch and fuse (see figure 39 for breakdown)	1
-13	AN515-8R12	. Screw - (Attach switch panel)	2
-14	AN507-832R8	. Screw - (Attach switch panel)	2
-15	AN515-8R8	. Screw - (Attach switch panel)	4
-16	AN365-832	. Nut - (Attach switch panel)	8
-17	0413316-4	. Plate - Instrument panel plexiglass decoration	1
-18	0411091-2	. Control - Throttle	1
	AN960-A816L	. Washer - (Front of panel throttle mounting)	1
-19	0411090-1	. Control - Parking brake (serial 25000 thru 25372)	1
	0411090-15	. Control - Parking brake (serial 25000 & on)	1
-20	0411090-3	. Control - Starter	1
-21	0411090-4	. Control - Carburetor heat	1
-22	0411089	. Knob - Push-pull control (optional control provision)	2
	AN526-10R14	. Screw - (Attach knob)	1
-23	0411090-2	. Control - Fuel mixture	1
-24	0413336	. Bracket - Control stop	1
-25	0413337	. Clip - Control stop	1
-26	0413335	. Arm - Control stop	1
-27	0411090-2	. Control - Cabin heat	1
-28	0413226-4	. Decal - Fuse (generator, radio, and navigation lights)	1
-29	0413226-7	. Decal - Fuse (dome, panel, heater, landing light & lighter)	1
-30	0513130-2	. Cover - Instrument panel left (without radio cutout)	1
-31	0412499	. Box Assembly - Glove compartment	1
-32	PK76XZ-8-8	. Screw - (Attach glove compartment box)	4
-33	PK76XZ-8-6	. Screw - (Attach glove compartment box)	2
-34	NAS446-4	. Nut - (Attach glove compartment box) (Tinnerman A1778-8Z-3)	2
-35	0513114-4	. Cover Assembly - Instrument panel right	1
-36	0513115	. . Latch - Glove compartment door	1
-37	0413109	. . Hinge - Glove compartment door	2
-38	PK76XZ-8-6	. . Screw - (Attach lower hinge)	2
-39	NAS446-4	. . Nut - (Attach lower hinge) (Tinnerman #A1787-8Z-3)	2
-40	0413114	. . Door Assembly - Glove compartment	1
-41	0413208	. . . Hinge Assembly - Glove compartment door	2
-42	0413209	. . . . Pin - Hinge	1
-43	0411099	. . . Retainer - Spare fuse	1
-44	0411092	. . . Knob - Pull	1
-45	AN526-632R5	. . . Screw - (Attach door knob)	1
-46	AN936-A6	. . . Washer - (Attach door knob)	1
-47	0413272	. . . Catch - Glove compartment door	1
-48	0413114-1	. . . Decal - Oil temperature	1
-49	0411749-5	. Decal - Spare fuses	1
-50	0513028	. Decal - Category	1
-51	PK76XZ-4-8	. Screw - (Attach panel cover)	4
-52	0413117	. Spacer - Instrument panel cover	4
-53	PK76XZ-8-10	. Screw - (Attach bottom of panel cover)	4
-54	NAS395-18-3	. Nut - (Attach bottom of panel cover) (Tinnerman #A1787-8Z-3)	3
-55	NAS446-4	. Nut - (Attach bottom of panel cover) (Tinnerman A1778-8Z-3)	1
-56	0513021	. Decal - Panel light switch	1
-57	0511062-2	. Indicator - Stall warning	1
	0511060-1	. . Lamp - Stall warning indicator	1
-58	AN526-632R9	. Screw - (Attach stall warning indicator)	4
-59	0411093-1	. Lighter - Cigar	1
	0413118-3	. Sub Panel Assembly	1
-60	0412491	. . Sub Panel - Stationary instrument	1
-61	0411035-1	. . Light Socket - Instrument panel	2

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FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
37-62	0511060	Bulb - Instrument light	2
-63	0411020-1	Ammeter	1
-64	0413206	Cover - Instrument opening	1
-65	AN515-6R8	Screw - (Attach cover)	2
-66	AN365-632	Nut - (Attach cover)	2
-67	0411016-2	Gage - Oil pressure	1
-68	0411017-3	Gage - Oil temperature	1
-69	PK76XZ-8-8	Screw - (Attach sub panel)	2
-70	0413116-5	Bracket - Throttle control support	1
-71	AN3-3A	Bolt - (Attach bracket)	1
	AN365-1032	Nut - (Attach bracket)	1
-72	NAS435-D4	Clamp - (Secure throttle control) (Tinnerman A3047A-4)	1
	PK76XZ-8-6	Screw - (Attach clamp)	1
-73	1HJ5	Resistor-5 ohm	1

ORDER BY PART NUMBER AND NAME — SERIAL NUMBER AND COLOR IF APPLICABLE

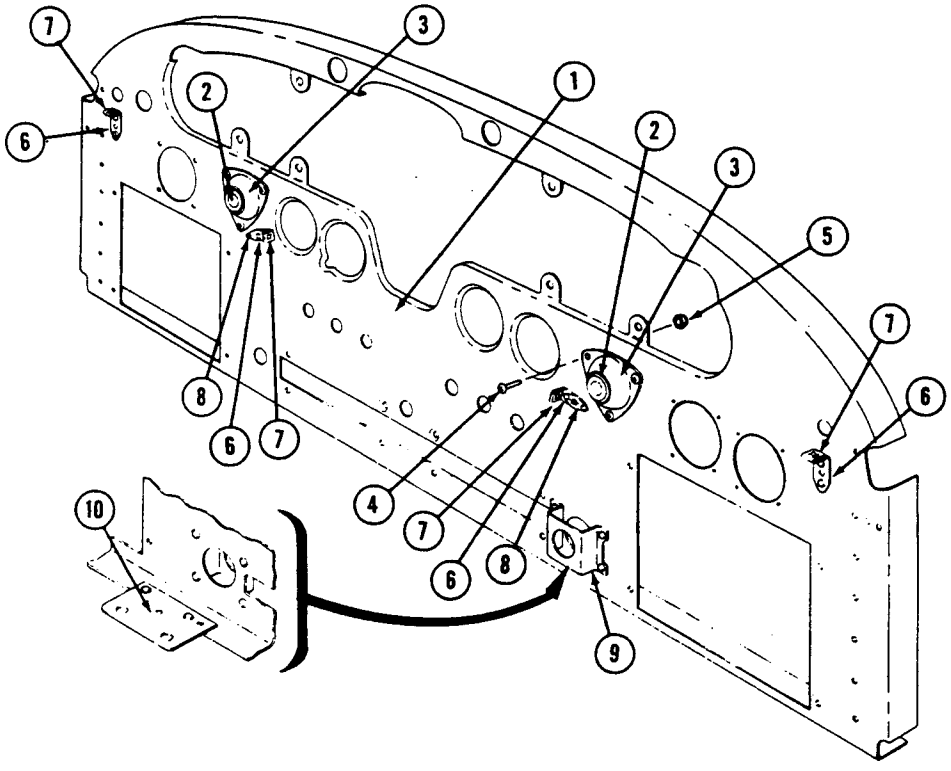

FIGURE 38. STATIONARY INSTRUMENT PANEL ASSEMBLY (SERIALS 20267 THRU 25372)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
38-	0513111	Panel Assembly - Stationary instrument (see figure 19 for NHA)	Ref.
-1	0513110	Panel - Stationary	1
-2	0411224	Ball - Control tube instrument panel guide	2
-3	0411225	Socket - Instrument panel center tube	4
-4	AN526-632R8	Screw - (Attach socket to panel)	6
-5	AN365-632	Nut - (Attach socket to panel)	6
-6	0413151	Bracket - Panel shield mounting	4
-7	NAS395-1-3	Nut - (Tinnerman #A6187-4Z-3)	4
-8	NAS444-4	Nut - (Tinnerman #A6191-8Z-3)	2
-9	0413128	Bracket - Cigar lighter	1
-10	0413131	Bracket - Panel light dimming switch	1

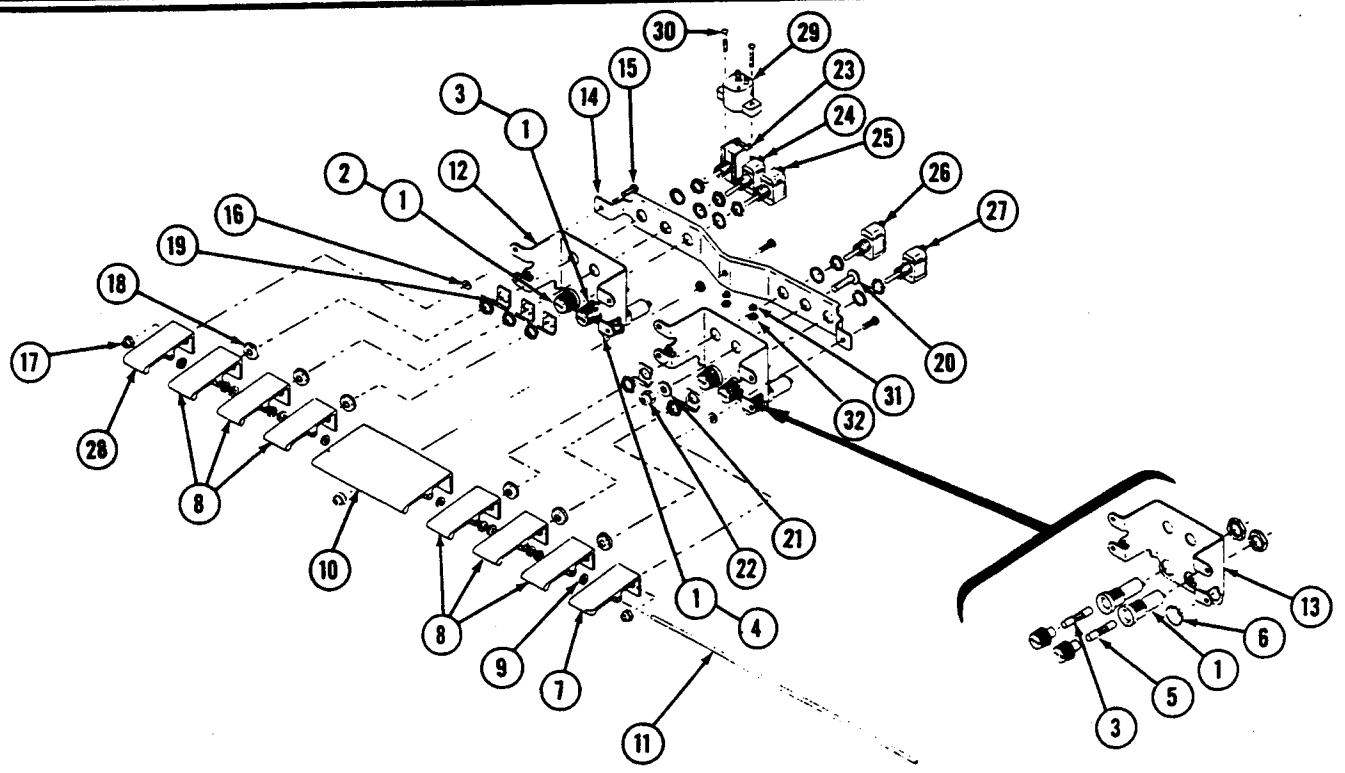

FIGURE 39. SWITCH AND FUSE PANEL ASSEMBLY (SERIALS 20267 THRU 25372)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
39-	0412477-4	Panel Assembly - Switch and fuse (see figure 37 for NHA)(serials 20267 thru 25372)	Ref
-1	0411023-1	. Retainer - Fuse	5
-2	0411023-6	. Fuse - (20 amp) (serial 20452 & on)	1
	0411023-3	. Fuse - (15 amp) (serial 20267 thru 20452)	1
-3	0411023-3	. Fuse - (15 amp)	2
-4	0411023-2	. Fuse - (10 amp)	2
-5	0411023-4	. Fuse - (25 amp)	1
-6	48172	. Button - Plug (United Carr)	1
-7	0412474	. Fairing - Switch panel left	1
-8	0412473	. Handle - Switch	6
-9	AN960-6	. Washer - (Switch handle spacer)	12
-10	0413143	. Fairing - Switch panel center	1
-11	0412472	. Pin - Hinge	1
-12	0412475	. Bracket - Switch mounting left	1
-13	0412475-1	. Bracket - Switch mounting right	1
-14	0413240	. Bracket - Switch bar	1
-15	AN526-1032R8	. Screw - (Attach end and center fairings)	3
-16	AN960-10	. Washer - (Attach end and center fairings)	3
-17	AN365-1032	. Nut - (Attach end and center fairings)	3
-18	AN931-4-7	. Grommet	6
-19	0411889	. Clip - Switch limit	5
-20	AN526-428R12	. Screw - (Lock Handle)	1
-21	AN960-516L	. Washer - (Lock handle)	1
-22	AN365-428	. Nut - (Lock handle)	1
-23	AN3027-1	. Switch - Master	1
-24	AN3021-1	. Switch - Radio	1
-25	AN3021-1	. Switch - Turn & bank	1
-26	AN3021-1	. Switch - Navigation lights	1
-27	AN3021-1	. Switch - Landing light	1
-28	0412474-1	. Fairing - Switch panel right	1
-29	CA-2	. Circuit Breaker - Klixon	1
-30	AN515-8R12	. Screw - (Attach circuit breaker)	2
-31	AN936-A8	. Washer - (Attach circuit breaker)	2
-32	AN340-8	. Nut - (Attach circuit breaker)	2

ILLUSTRATED PARTS CATALOG

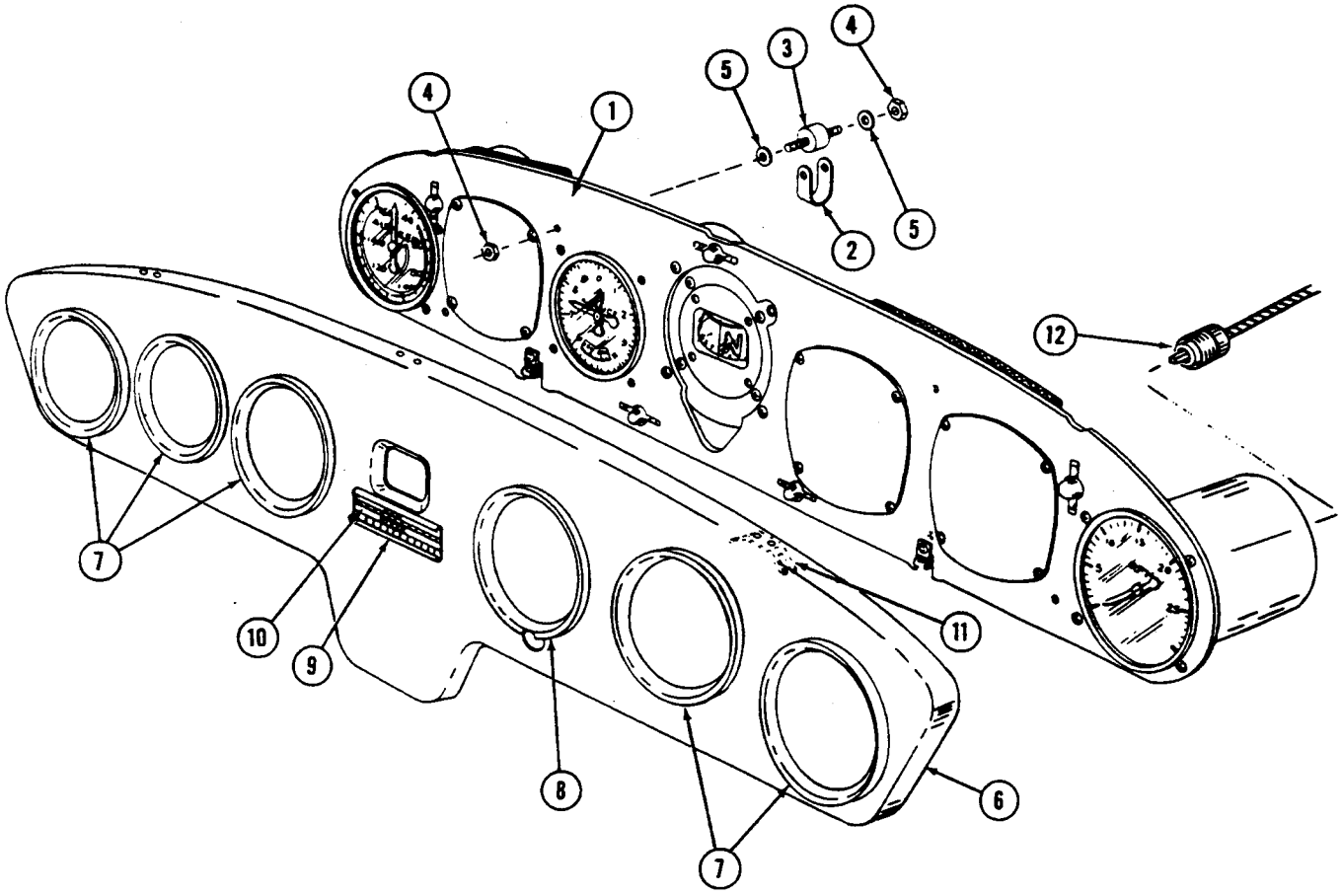

FIGURE 40. SHOCK MOUNTED INSTRUMENT PANEL INSTALLATION (SERIALS 20267 THRU 25372)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
40-	No Number	Shock Mounted Instrument Panel Installation - (Serial 20267 thru 25372) (0413116 Ref.) (see figure 1 for NHA)	Ref
-1	0412516-7	. Panel Assembly - Shock (see figure 41 for breakdown)	1
-2	0413247	. Strap - Shock panel ground	1
-3	0411059-1	. Mount - Instrument panel shock	6
-4	AN340-B8	. Nut - (Attach instrument panel mount)	12
-5	AN936A8	. Washer - (Attach instrument panel mount)	12
-6	0412518	. Cover Assembly - Shock panel	1
-7	0412487-3	. . Bezel	5
-8	0412487-4	. . Bezel	1
-9	0513020	. . Retainer - Compass card	1
-10	0513012	. . Card - Compass	1
-11	0412486	. . Clip - Shock panel cover	1
-12	0450017-7	. Shaft-Tachometer	1

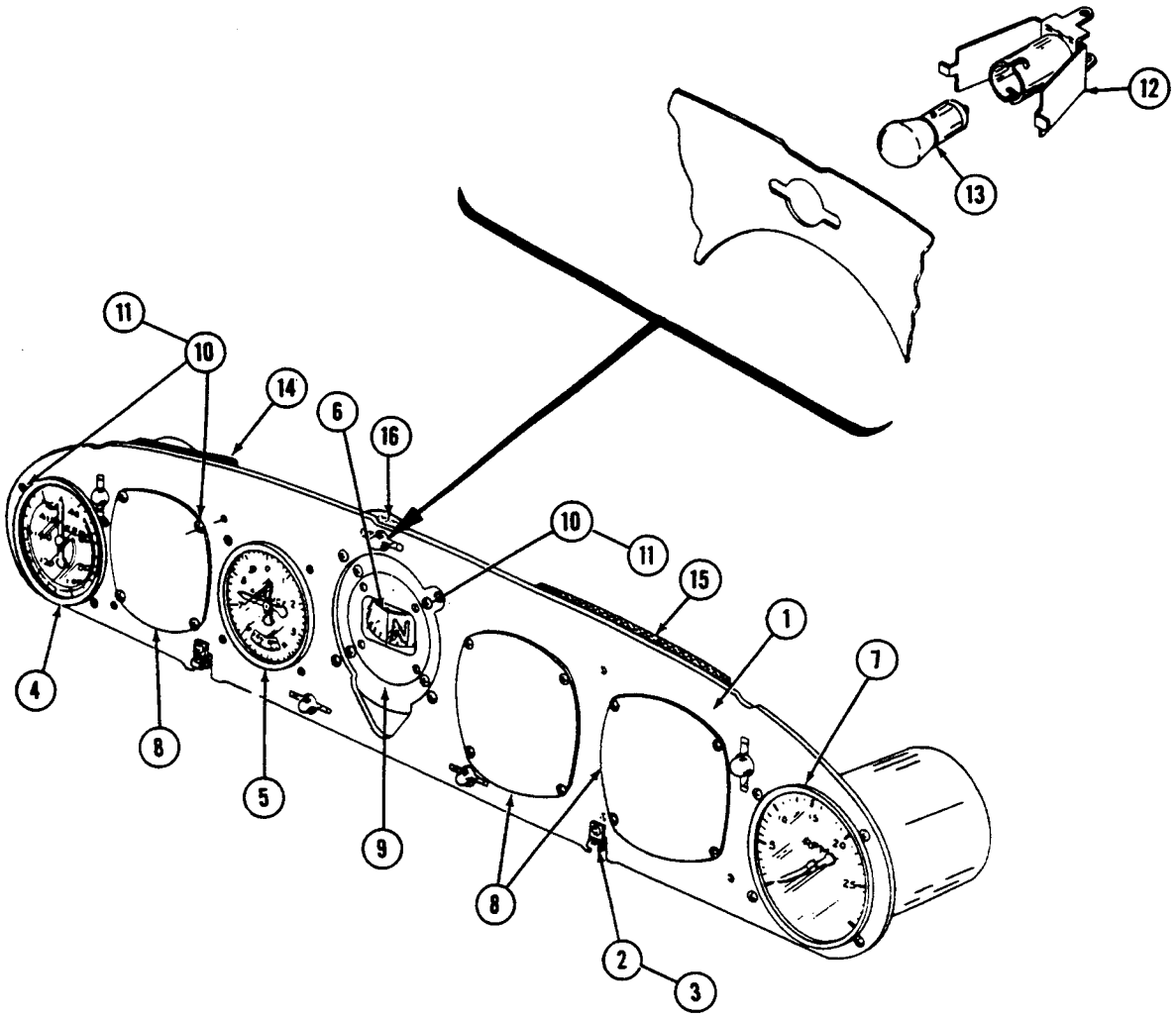

FIGURE 41. SHOCK MOUNTED INSTRUMENT PANEL ASSEMBLY (SERIALS 20267 THRU 25372)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
41-	0412516-7	Panel Assembly - Shock mounted instrument (see figure 40 for NHA)	Ref
-1	0513025	. Sub Assembly - Shock panel	1
-2	0411896	. . Bracket - Shock panel cover	2
-3	NAS395-3-3	. . Nut - (Tinnerman #4052-6Z-3)	3
-4	0411086-10	. Airspeed Indicator	1
-5	0411007-7	. Altimeter	1
-6	0411008-2	. Compass	1
	AN3136-323	. . Lamp	1
-7	0411087-23	. Tachometer	1
-8	0411897	. Cover - Instrument opening	1
-9	0411897-3	. Plate - Adapter	1
-10	AN515B6R12	. Screw - (Attach instruments & covers)	31
-11	AN365B632	. Nut - (Attach instruments & covers)	31
-12	0411035	. Socket - Instrument light	5
-13	0511060	. Bulb - Instrument light	5
-14	0412516-10	. Damper - Shock panel left felt	1
-15	0412516-11	. Damper - Shock panel right felt	1
-16	0412516-12	. Damper - Shock panel center felt	1

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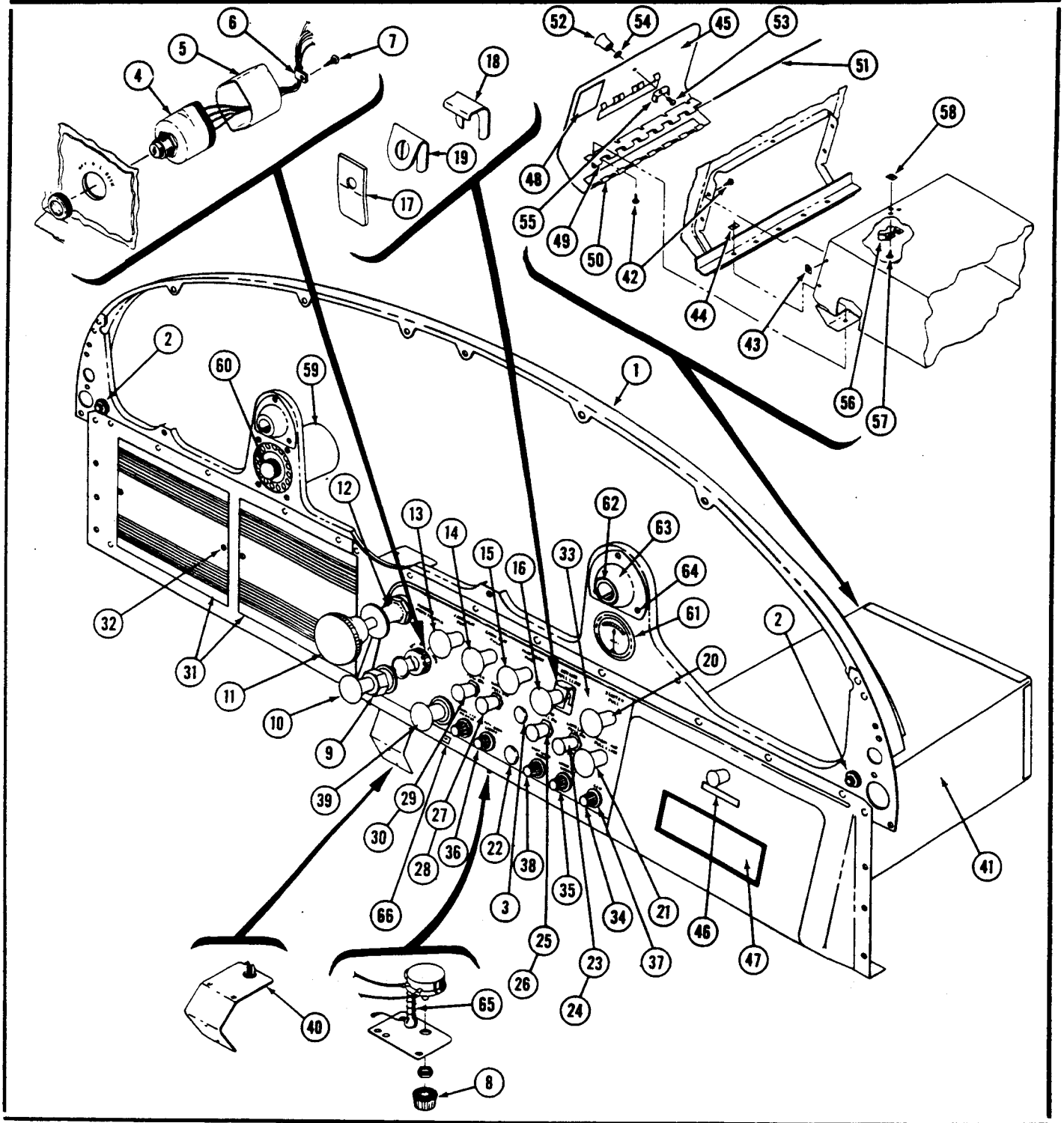

FIGURE 42. STATIONARY INSTRUMENT PANEL EQUIPMENT (SERIAL 25373 THRU 26038)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
42-	No Number	Stationary Panel Equipment Installation - (Serial 25373 thru 26038) (0513004 Ref.)(see figure 1 for NHA)	Ref
-1	0513004-1	. Panel Assembly - Stationary (see fig. 20 for NHA)	Ref
-2	0411038	. Jack - Headphone	2
-3	NAS451-45	. Plug Button - United Carr	2

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
42-4	0311038-2	Switch - Ignition	1
-5	0311777	Shield Assembly - Ignition Switch	1
	AN931-4-7	. Grommet	1
-6	AN742-D3	Clamp - (Tinnerman #2980A-3)	1
-7	PK76XZ-6-6	Screw - (Attach clamp)	1
-8	0413126-4	Rheostat Assembly - Panel light (with knob)	1
-9	0413215-1	Primer Assembly - Engine	1
-10	0413017-1	. Knob - Primer	1
-11	0411091-9	Control - Throttle	1
-12	0513004-16	Adapter - Throttle control	1
-13	0411090-12	Control - Carburetor heat	1
-14	0411090-11	Control - Cabin heat	1
-15	0411090-9	Control - Parking brake	1
-16	0411090-10	Control - Carburetor mixture	1
-17	0413335-11	Arm - Control lock	1
-18	0413336	Bracket - Control lock	1
-19	0413337	Clip - Control lock	1
-20	0411090-11	Control - Starter	1
-21	0411090-13	Control - Cabin air push-pull	1
-22	NAS451-10	Plug Button	1
-23	0713035	Switch Assembly - Landing light	1
-24	0411092-1	Knob - Landing light switch	1
-25	0713026-4	Switch - Radio	1
-26	0411092-1	Knob - Radio switch	1
-27	0713026-4	Switch - Navigation light	1
-28	0411092-1	Knob - Navigation light switch	1
-29	0713026-5	Switch - Master	1
-30	0411092-1	Knob - Master switch	2
-31	0513005	Cover - Plastic	4
-32	PK76XZ-4-6	Screw - (Attach cover)	4
	NAS446-1	Nut - (Attach cover)	1
-33	0513032	Plate - Instrument panel decorative plexiglas	5
-34	0411023-1	Retainer - Fuse	2
-35	0411023-3	Fuse - 15 amp	1
-36	0411023-2	Fuse - 10 amp	1
-37	0411023-6	Fuse - 20 amp	1
-38	0411023-4	Fuse - 25 amp	1
-39	0513052-1	Lighter Assembly - Cigar	1
-40	0713203-1	Bracket Assembly - Microphone (optional)	1
-41	0513031-4	Box Assembly - Glove	10
-42	PK76XZ-6-6	Screw - (Attach glove box)	5
-43	NAS488-1-3	Nut - (Attach glove box) (Tinnerman A6310-6Z-3)	5
-44	NAS446-2-3	Nut - (Attach glove box) (Tinnerman A1181-6Z-3)	1
	0513004-5	Door Assembly - Glove box	1
-45	0413005-17	. Door - Glove box	1
-46	0411749-5	Decal - Spare fuse	1
-47	0513028	Decal - Operational limitation	1
-48	0413114-1	Decal - Service information	1
-49	0413005-8	. Hinge Half - Glove box door	1
-50	AN257HP3	. Hinge Half - Glove box door	1
-51	AN253-2-725	. Pin - Hinge	1
-52	0411092-1	Knob - Glove box door	1
-53	AN526-832R5	Screw - (Attach glove box door knob)	1
-54	AN936-A8	Washer - (Attach glove box door knob)	1
-55	0713009-1	Clip - (Attach glove box door knob)	1
-56	0713009-2	Catch - Glove box door	2
-57	PK76XZ-6-6	Screw - (Attach glove box door catch)	2
-58	NAS446-2	Nut - (Attach glove box door catch)	1
-59	0511062-2	Indicator - Stall warning	1
-60	0511062-3	Lamp - Stall warning indicator	1
-61	0411020	Ammeter	2
-62	0411224	Ball - Control tube	4
-63	0411225	Socket - Control tube	6
-64	AN526-632R8	Screw - (Attach control tube socket)	6
	AN365-632	Nut - (Attach control tube socket)	1
-65	No Number	Resistor - (60 ohm 10 watt wire wound)(Ohmite Manufacturing Co.)	1
-66	0513021	Decal - Panel light	1

ILLUSTRATED PARTS CATALOG

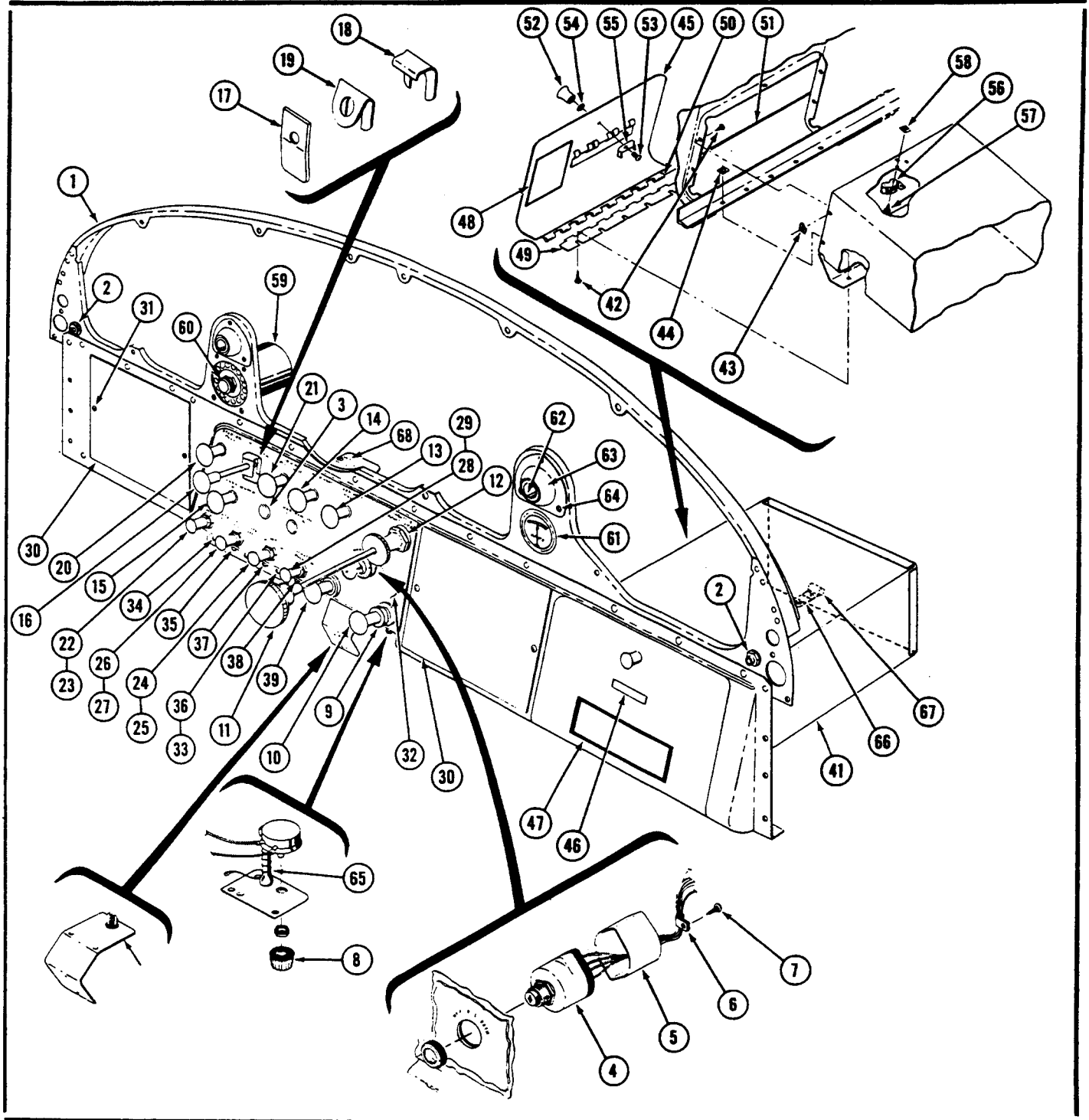

FIGURE 42A. STATIONARY INSTRUMENT PANEL EQUIPMENT (SERIAL 26039 THRU 26995)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
42A-	No Number	Stationary Panel Equipment Installation (Serial 26039 thru 26995)(0513040 Ref.) (see figure 1 for NHA)	Ref
-1	0513040-3	. Panel Assembly - Stationary (see figure 20 for NHA)	Ref
-2	0411038	. Jack - Headphone	2
-3	51143	. Plug Button - United Carr	2
-4	0311038-2	. Switch - Ignition	1
-5	0311777	. Shield Assembly - Ignition Switch	1

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
42A-	AN931-4-7	Grommet	1
-6	AN742-D3	Clamp - (Tinnerman A2980A-3)	1
-7	PK76XZ-6-6	Screw - (Attach clamp)	1
-8	0413126	Rheostat Assembly - Panel light (with knob)	1
-9	0311538-8	Primer Assembly - Engine	1
-10	0413017-1	Knob - Primer	1
-11	0411091-9	Control - Throttle	2
-12	0513004-16	Adapter - Throttle control	1
-13	0411090-8	Control - Carburetor heat	1
-14	0411090-5	Control - Cabin heat	1
-15	0411090-19	Control - Parking brake	1
-16	0411090-8	Control - Carburetor mixture	1
-17	0413335	Arm - Control lock	1
-18	0413336	Bracket - Control lock	1
-19	0413337	Clip - Control lock	1
-20	0411090-18	Control - Starter	1
-21	0411090-17	Control - Cabin air push-pull	1
-22	0713035	Switch Assembly - Landing light	1
-23	0411092-1	Knob - Landing light switch	1
-24	0713026-4	Switch - Radio	1
-25	0411092-1	Knob - Radio switch	1
-26	0713026-4	Switch - Navigation light	1
-27	0411092-1	Knob - Navigation light switch	1
-28	0713026-5	Switch - Master	1
-29	0411092-1	Knob - Master switch	2
-30	0513041	Cover - plastic	4
-31	PK76XZ-4-6	Screw - (Attach cover)	4
	NAS446-1-3	Nut - (Tinnerman A1776-4Z-3)(attach cover)	1
-32	0513043	Plate - Instrument panel decorative plexiglas	5
-33	0411023-1	Retainer - Fuse	2
-34	0411023-3	Fuse - 15 amp	1
-35	0411023-2	Fuse - 10 amp	1
-36	0411023-6	Fuse - 20 amp	1
-37	0411023-4	Fuse - 25 amp	1
-38	51142	Plug Button - United Carr	1
-39	0513052-1	Lighter Assembly - Cigar	1
-40	0713203-1	Bracket Assembly - Microphone (optional)	1
-41	0513036-3	Box Assembly - Glove	10
-42	PK76XZ-6-6	Screw - (Attach glove box)	5
-43	NAS488-1-3	Nut - (Tinnerman A6310-6Z-3)(attach glove box)	5
-44	NAS466-2-3	Nut - (Tinnerman A1181-6Z-3)(attach glove box)	1
	0513040-12	Door Assembly - Glove box	1
-45	0513040-11	Door - Glove box	1
-46	0411749-5	Decal - Spare fuse	1
-47	0513028	Decal - Operational limitations	1
-48	0413114-1	Decal - Service information	1
-49	0513004-8	Hinge Half - Glove box door	1
-50	AN257HP3	Hinge Half - Glove box door	1
-51	AN253-2-725	Pin - Hinge	1
-52	0411092-1	Knob - Glove box door	1
-53	AN526-832R5	Screw - (Attach glove box door knob)	1
-54	AN936-A8	Washer - (Attach glove box door knob)	1
-55	0713009-1	Clip - (Attach glove box door knob)	1
-56	0713009-2	Catch - Glove box door	2
-57	PK76XZ-6-6	Screw - (Attach glove box door catch)	2
-58	NAS446-2-3	Nut - (Tinnerman A1181-6Z-3)(attach glove box door catch)	1
-59	0511062-2	Indicator - Stall warning	1
-60	0511062-3	Lamp - Stall warning indicator	1
-61	0411020	Ammeter	2
-62	0411224	Ball - Control tube	4
-63	0411225	Socket - Control tube	6
-64	AN526-632R8	Screw - (Attach control tube socket)	6
	AN365-632	Nut - (Attach control tube socket)	1
-65	No Number	Resistor (60 ohm 10 watt wire wound)(Ohmite Manufacturing Co.)	1
-66	0413116-5	Strap	1
	AN3-3A	Bolt - (Attach strap to glove box)	1
	AN365-1032	Nut - (Attach strap to glove box)	1
-67	A3047A-4-92	Clamp - Tinnerman (attach throttle control to strap)	1
	PK76XZ-8-6	Screw - (Attach clamp)	1
-68	CA-2	Circuit Breaker - Klixon	2
	AN515B6R12	Screw - (Attach circuit breaker)	

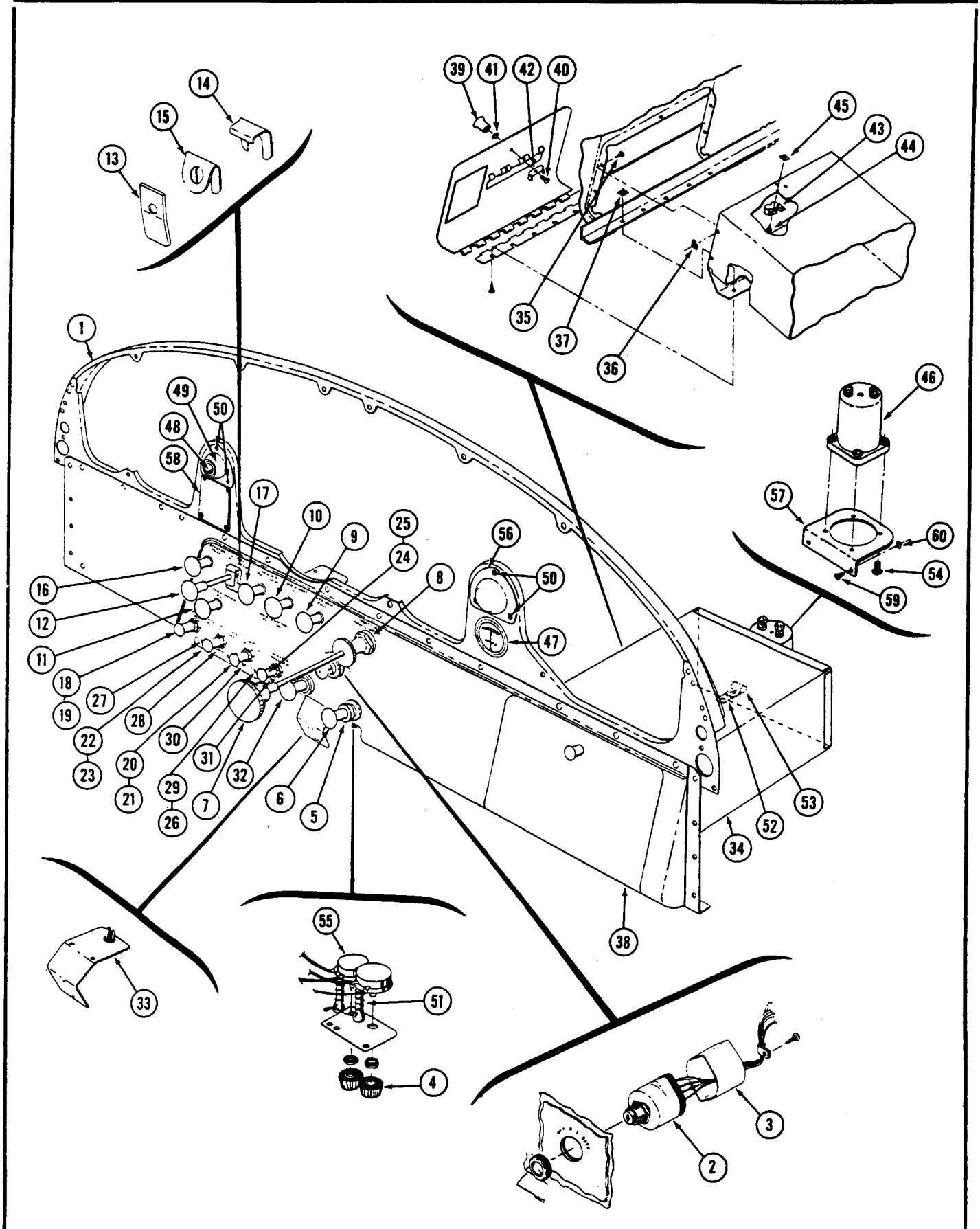

FIGURE 42B. STATIONARY INSTRUMENT PANEL EQUIPMENT (SERIAL 26996 AND ON)

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
42B-	No Number	Stationary Panel Equipment Installation - (Serial 26996 & on) (0513040 Ref) (see fig. 1 for NHA)	Ref
-1	0513040-23	. Panel Assembly - Stationary (see figure 20 for NHA)	Ref
-2	0311038-2	. Switch - Ignition	1
-3	0311777	. Shield Assembly	1
-4	0413126-4	. Rheostat Assembly - Panel light (with knob)	1
-5	0311538-8	. Primer Assembly - Engine	1
-6	0413017-1	. . Knob - Primer	1
-7	0411091-9	. Control - Throttle	1
-8	0513004-16	. Adapter - Throttle control	2
-9	0411090-8	. Control - Carburetor heat	1
-10	0411090-5	. Control - Cabin heat	1
-11	0411090-19	. Control - Parking brake	1
-12	0411090-8	. Control - Carburetor mixture	2
-13	0413335	. Arm - Control lock	1
-14	0413336	. Bracket - Control lock	1
-15	0413337	. Clip - Control lock	1
-16	0411090-18	. Control - Starter	1
-17	0411090-17	. Control - Cabin air push-pull	1
-18	0713035	. Switch Assembly - Landing light	1
-19	0411092-1	. Knob - Landing light switch	1
-20	0713026-4	. Switch - Radio	1
-21	0411092-1	. Knob - Radio switch	1
-22	0713026-4	. Switch - Navigation light	1
-23	0411092-1	. Knob - Navigation light switch	1
-24	0713026-5	. Switch - Master	1
-25	0411092-1	. Knob - Master switch	1
-26	0411023-1	. Retainer - Fuse	5
-27	0411023-3	. Fuse - 15 amp	2
-28	0411023-2	. Fuse - 10 amp	1
-29	0411023-6	. Fuse - 20 amp	1
-30	0411023-4	. Fuse - 25 amp	1
-31	51142	. Plug Button - United Carr	1
-32	0513052-1	. Lighter Assembly - Cigar	1
-33	0713203-1	. Bracket Assembly - Microphone (optional)	1
-34	0513036-3	. Box Assembly - Glove	1
-35	PK76XZ-6-6	. Screw - (Attach glove box)	10
-36	A6310-6Z-3	. Nut - Tinnerman (attach glove box)	5
-37	A1181-6Z-3	. Nut - Tinnerman (attach glove box)	5
-38	0513040-27	. Door Assembly - Glove box	1
-38A	0411749-5	. . Decal - Spare fuse	1
-38B	0413114-1	. . Decal - Service information	1
-39	0411092-1	. Knob - Glove box door	1
-40	AN526-832R5	. Screw - (Attach glove box door knob)	1
-41	AN936-A8	. Washer - (Attach glove box door knob)	1
-42	0713009-1	. Clip - (Attach glove box door knob)	1
-43	0713009-2	. Catch - Glove box door	1
-44	PK76XZ-6-6	. Screw - (Attach glove box door catch)	2
-45	A1181-6Z-3	. Nut - Tinnerman (attach glove box door catch)	2
-46	0511062-10	. Indicator - Stall warning	1
-47	0411020-1	. Ammeter	1
-48	0411224	. Ball - Control tube	1
-49	0411225	. Socket - Control tube	2
-50	AN526-632R8	. Screw - (Attach control tube socket)	6
	AN365-632	. Nut - (Attach control tube socket)	6
-51	60 OHM-10W	. Ohmite Resistor	1
-52	0413116-5	. Strap	1
	AN3-3A	. Bolt - (Attach strap to glove box)	1
	AN365-1032	. Nut - (Attach strap to glove box)	1
-53	A3074A-4-92	. Clamp - Tinnerman (attach throttle control to strap)	1
	PK76XZ-8-6	. Screw - (Attach clamp)	1
-54	AN515B6R12	. Screw	4
-55	0413126	. Rheostat Assembly	1
-56	0411225-1	. Cover	1
-57	0313313-3	. Bracket	1
-58	0713200-7	. Cover	1
-59	PK76XZ-8-8	. Screw	6
-60	A1778-8Z-3	. Nut - Tinnerman	6

ILLUSTRATED PARTS CATALOG

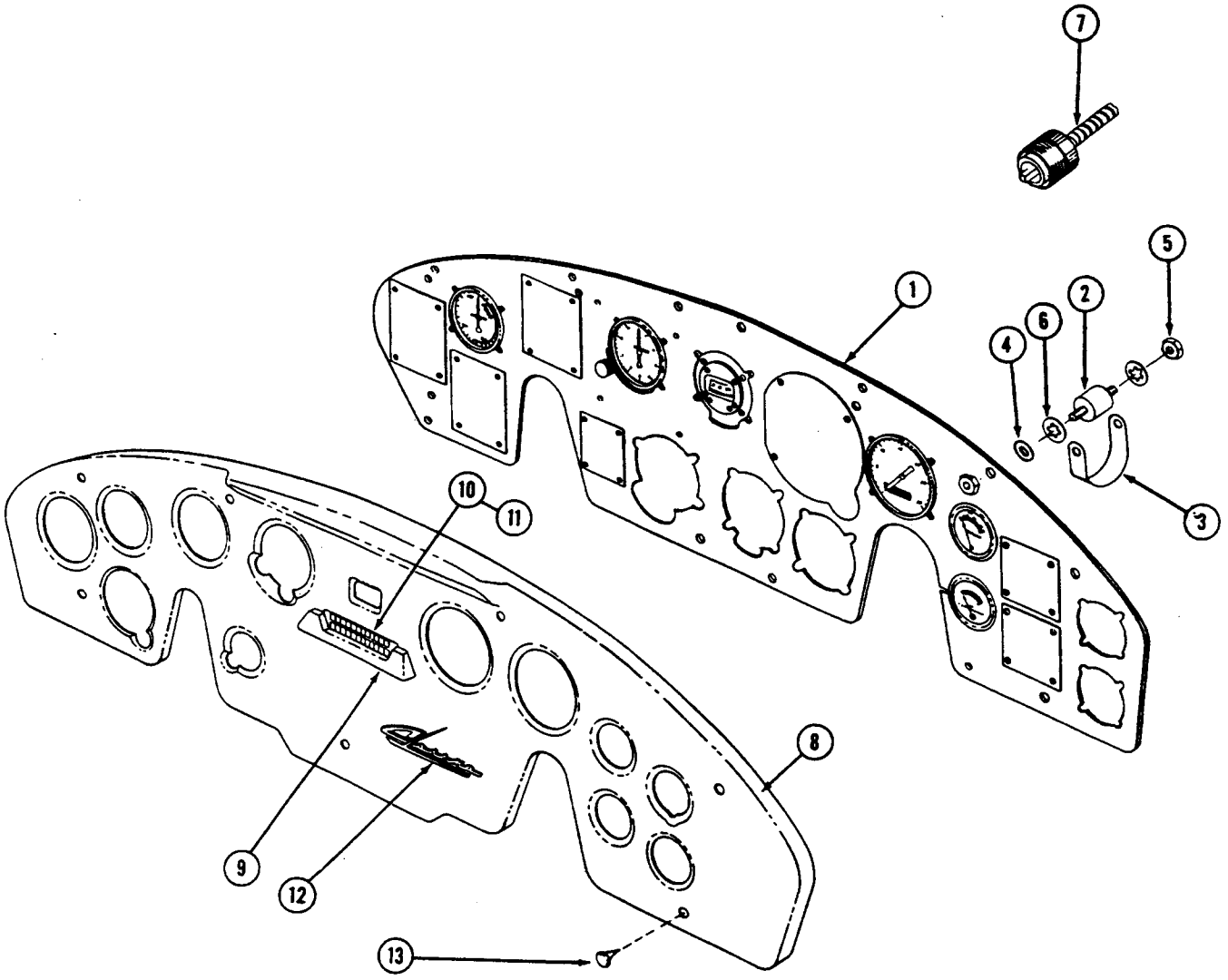

FIGURE 43. SHOCK MOUNTED INSTRUMENT PANEL INSTALLATION (SERIALS 25373 AND ON)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
43-	No Number	Panel Installation - Shock mounted (serial 25373 & on) (see figure 1 for NHA)	Ref
-1	No Number	. Panel Assembly - Shock mounted (see figure 44 for breakdown)	1
-2	0411059-1	. Mount - Shock	6
-3	0413247	. Strap - Ground	4
-4	0311585	. Spacer - (Attach panel)	6
-5	AN340-B8	. Nut - (Attach panel)	12
-6	AN936-A8	. Washer - (Attach panel)	12
-7	0450017-7	. Shaft - Tachometer drive (serial 25373 thru 26027)	1
	0450017-10	. Shaft - Tachometer drive (serial 26028 & on)	1
-8	0513004-27	. Cover Assembly - Shock mounted panel	1
-9	0713028-1	. . Retainer - Compass card	1
	AN526-632R4	. . Screw - (Attach retainer)	2
-10	0713028-2	. . Card - Compass	1
-11	0713028-3	. . Cover - Compass card	1
-12	0713212	. . Insignia - Decorative emblem	1
	A1553-012-3	. . Nut - Push on (Tinnerman)	3
-13	#49265-F-938	. Fastener - (Attach cover) (United Carr)	7

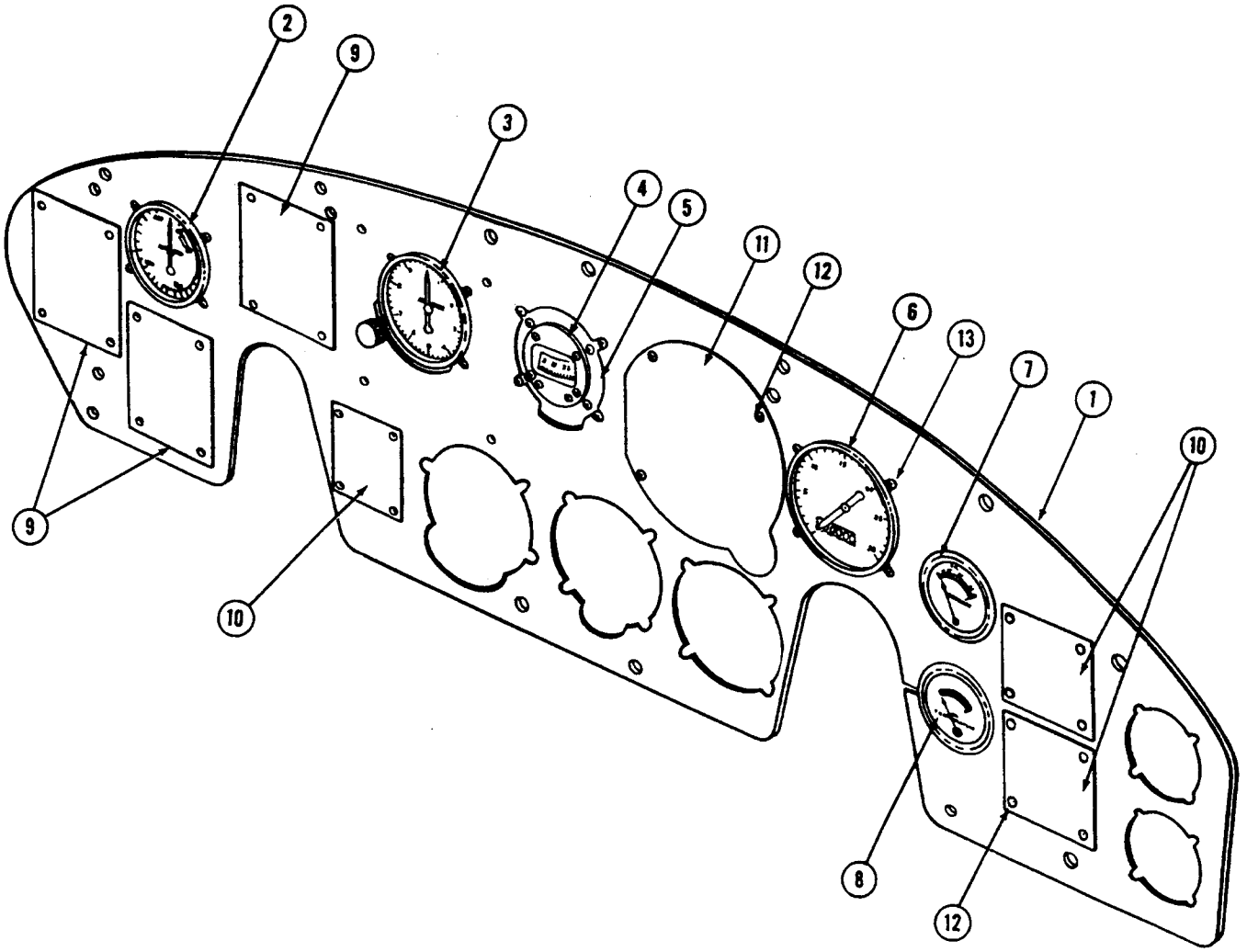

FIGURE 44. SHOCK MOUNTED INSTRUMENT PANEL ASSEMBLY (SERIALS 25373 AND ON)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
44-	No Number	Panel Assembly - Shock mounted instrument (0513004 Ref) (serial 25373 & on) (see figure 43 for NHA)	Ref
-1	0513004-11	. Panel - Shock mounted instrument	1
-2	0411086-10	. Indicator - Airspeed	1
-3	0411007-7	. Altimeter	1
-4	0411008-2	. Compass	1
-5	0411897-3	. Adapter - Compass	1
-6	0411087-20	. Tachometer - (Serial 25373 thru 26027)	1
	0411087-22	. Tachometer - (Serial 26028 & on)	1
-7	0411016-2	. Oil Pressure Gage	1
-8	0411017-3	. Oil Temperature Gage	1
-9	0713200-4	. Cover	3
-10	0713200-7	. Cover	3
-11	0713200-5	. Cover	1
-12	99608	. Fastener - (Attach cover) (United Carr)	2
-13	AN515B6R	. Screw - (Attach instruments)	19
	AN365-632	. Nut - (Attach covers & instruments)	42

ILLUSTRATED PARTS CATALOG

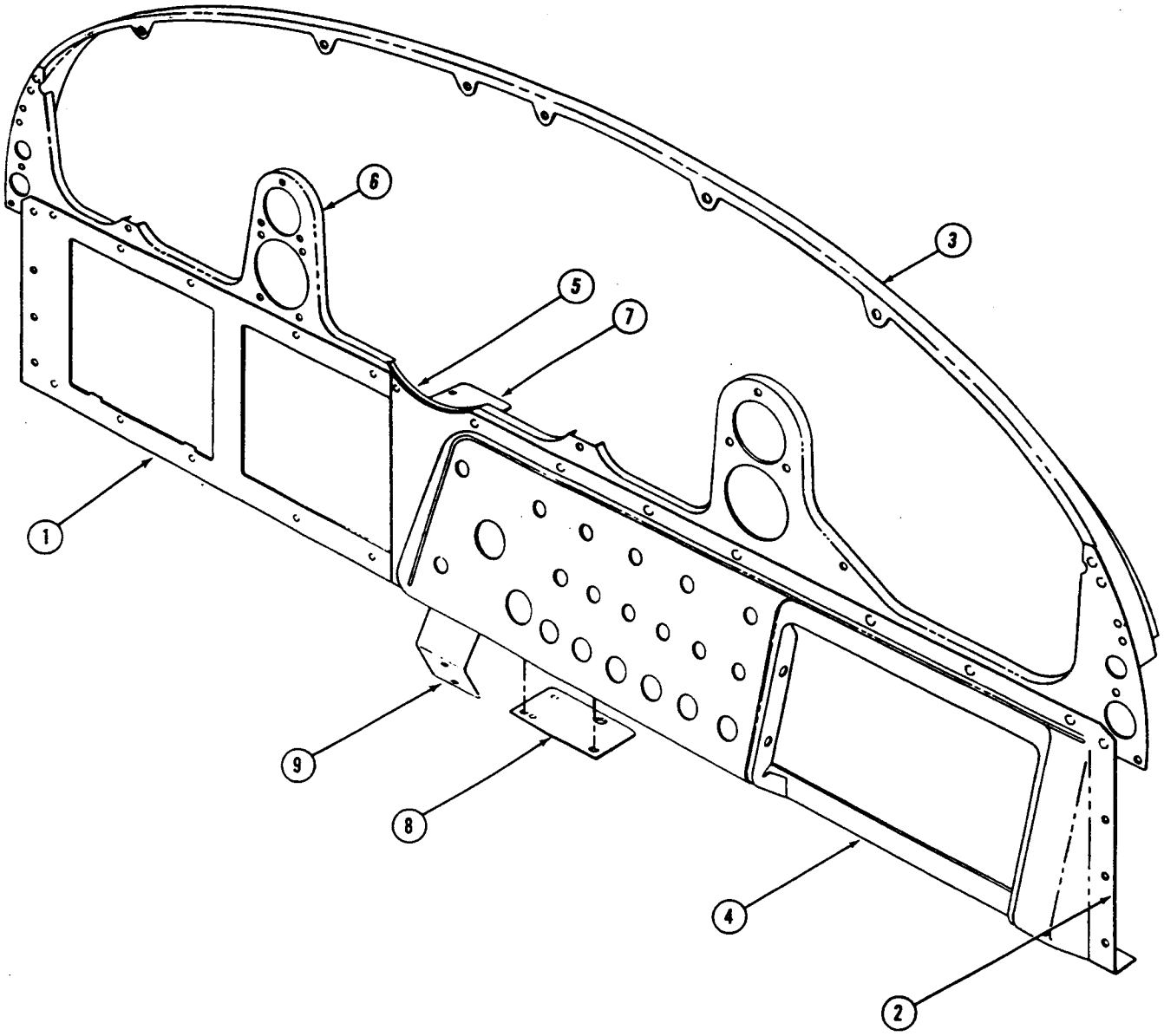

FIGURE 45. STATIONARY INSTRUMENT PANEL ASSEMBLY (SERIAL 25373 THRU 26038)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
45-	0513004-1	Panel Assembly - Stationary (serial 25373 thru 26038) (see figur. 20 for NHA)	Ref
-1	0513004-2	. Panel - Left lower	1
-2	0513004-3	. Panel - Right lower	1
-3	0513004-4	. Channel - (Top of upper panel)	1
-4	0513004-6	. Angle - Right lower stiffener	1
-5	0513004-7	. Angle - Right upper stiffener	1
-6	0513004-14	. Panel - Upper	1
-7	0513004-21	. Bracket - Circuit breaker mounting	1
-8	0413131-3	. Bracket - Rheostat mounting	1
-9	0713203-1	. Bracket Assembly - Microphone (optional)	1

ILLUSTRATED PARTS CATALOG

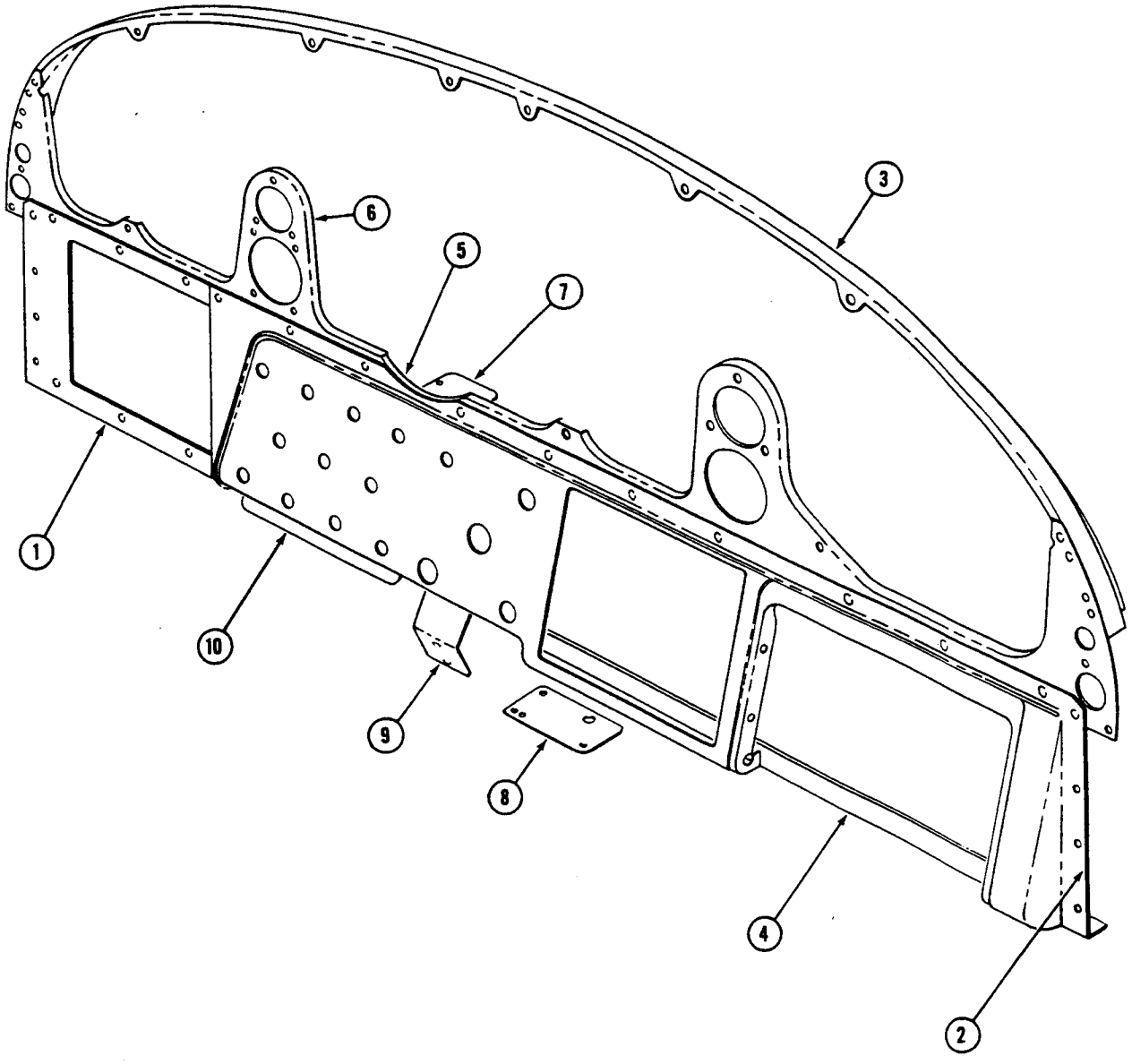

FIGURE 45A. STATIONARY INSTRUMENT PANEL ASSEMBLY (SERIAL 26039 THRU 26995)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
45A-	0513040-3	Panel Assembly - Stationary (serial 26039 thru 26995) (see figure 20 for NHA)	Ref
-1	0513040-5	. Panel - Left lower	1
-2	0513040-4	. Panel - Right lower	1
-3	0513004-4	. Channel -(Top of upper panel)	1
-4	0513040-6	. Angle - Lower stiffener	1
-5	0513040-7	. Angle - Upper stiffener	1
-6	0513004-14	. Panel - Upper	1
-7	0513004-21	. Bracket - Circuit breaker mounting	1
-8	0413131-3	. Bracket - Rheostat mounting	1
-9	0713203-1	. Bracket Assembly - Microphone (optional)	1
-10	0513042	. Panel - Fuse	1
	AN515-8R8	. Screw - (Attach fuse panel)	3
	AN365-832	. Nut - (Attach fuse panel)	3

ILLUSTRATED PARTS CATALOG

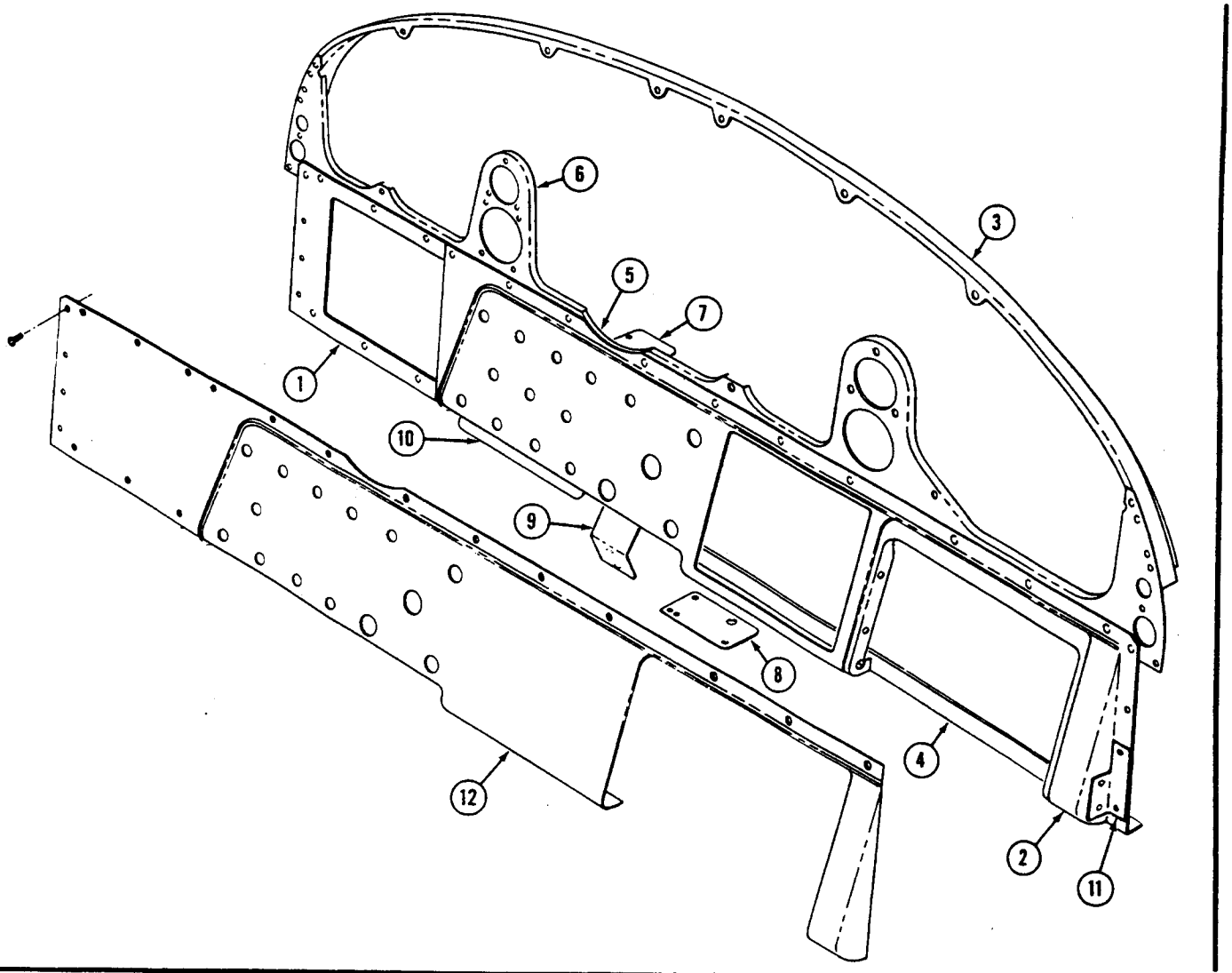

FIGURE 45B. STATIONARY INSTRUMENT PANEL ASSEMBLY (SERIAL 26996 AND ON)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
45B-	0513040-23	Panel Assembly - Stationary (serial 26996 & on) (see figure 20 for NHA)	Ref
-1	0513040-5	. Panel - Left lower	1
-2	0513040-4	. Panel - Right lower	1
-3	0513004-4	. Channel - (Top of upper panel)	1
-4	0513040-6	. Angle - Lower stiffener	1
-5	0513040-7	. Angle - Upper stiffener	1
-6	0513004-14	. Panel - Upper	1
-7	0513004-21	. Bracket - Circuit breaker mounting	1
-8	0413131-3	. Bracket - Rheostat mounting	1
-9	0713203-1	. Bracket Assembly - Microphone (optional)	1
-10	0513042	. Panel - Fuse	1
	AN515-8R8	. Screw - (Attach fuse panel)	3
	AN365-832	. Nut - (Attach fuse panel)	3
-11	0513040-10	. Clip - Panel mounting	1
-12	0513044-3	. Panel Cover - Stationary	1

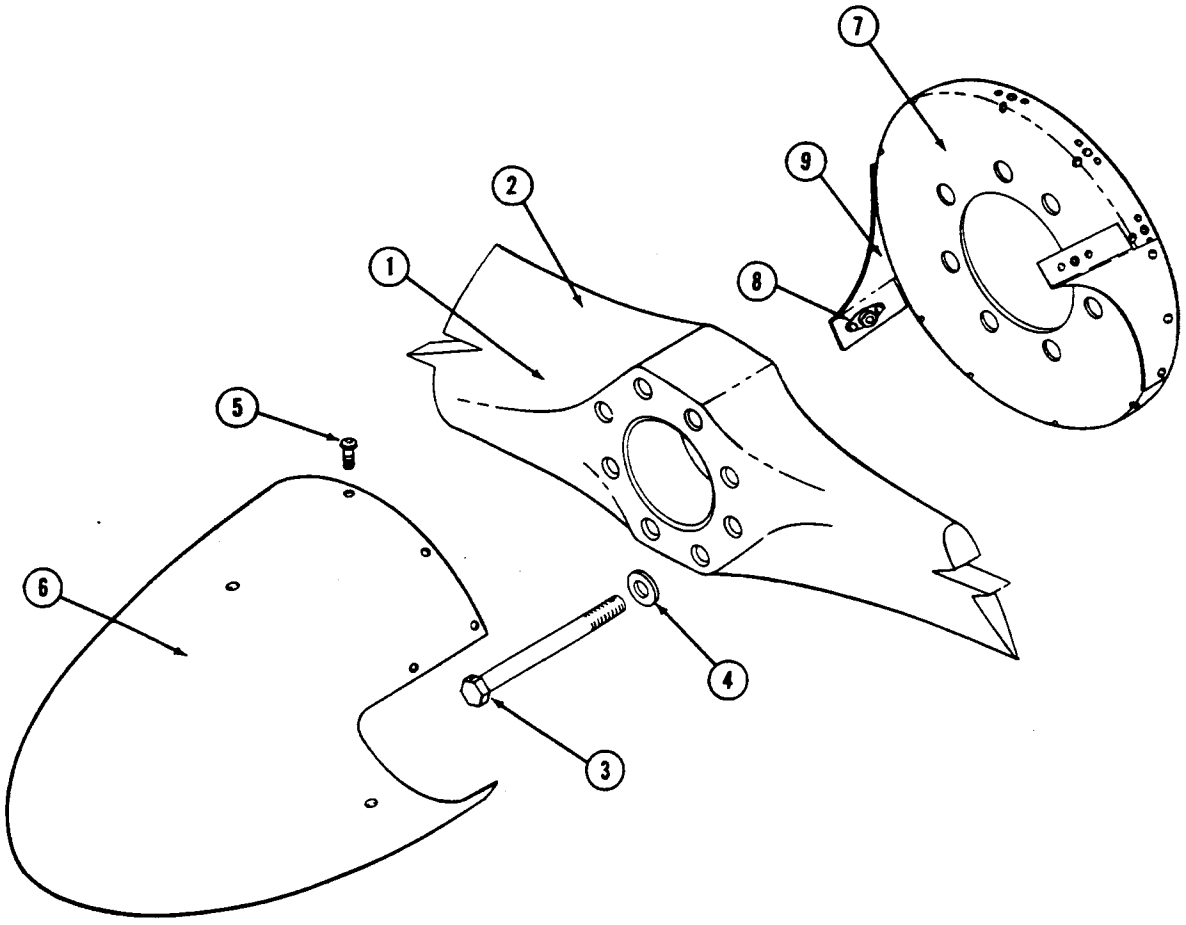

FIGURE 46. PROPELLER INSTALLATION

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
46-	No Number	Propeller Installation (0550102 & 0550104-2 Ref.) (see figure 1 for NHA)	Ref
-1	0450014-6	. Propeller - Wood (serial 20267 thru 25372)	1
-2	0411098-6	. Propeller - Metal	1
-3	AN6-H-45	. Bolt - (Attach propeller)	8
-4	AN960-616	. Washer - (Attach propeller)	8
-5	AN526-832R8	. Screw - (Attach spinner) (serial 25373 & on)	10
-6	AK7053-3	. Spinner Kit - Propeller	1
	0550162-7	. . Spinner Assembly - Forward	1
-7	0550162-3	. . Plate Assembly - Mounting	1
-8	AN373F832	. . . Nutplate	10
-9	0550162-6	. . . Fillet - (Attach spinner)	2

ILLUSTRATED PARTS CATALOG

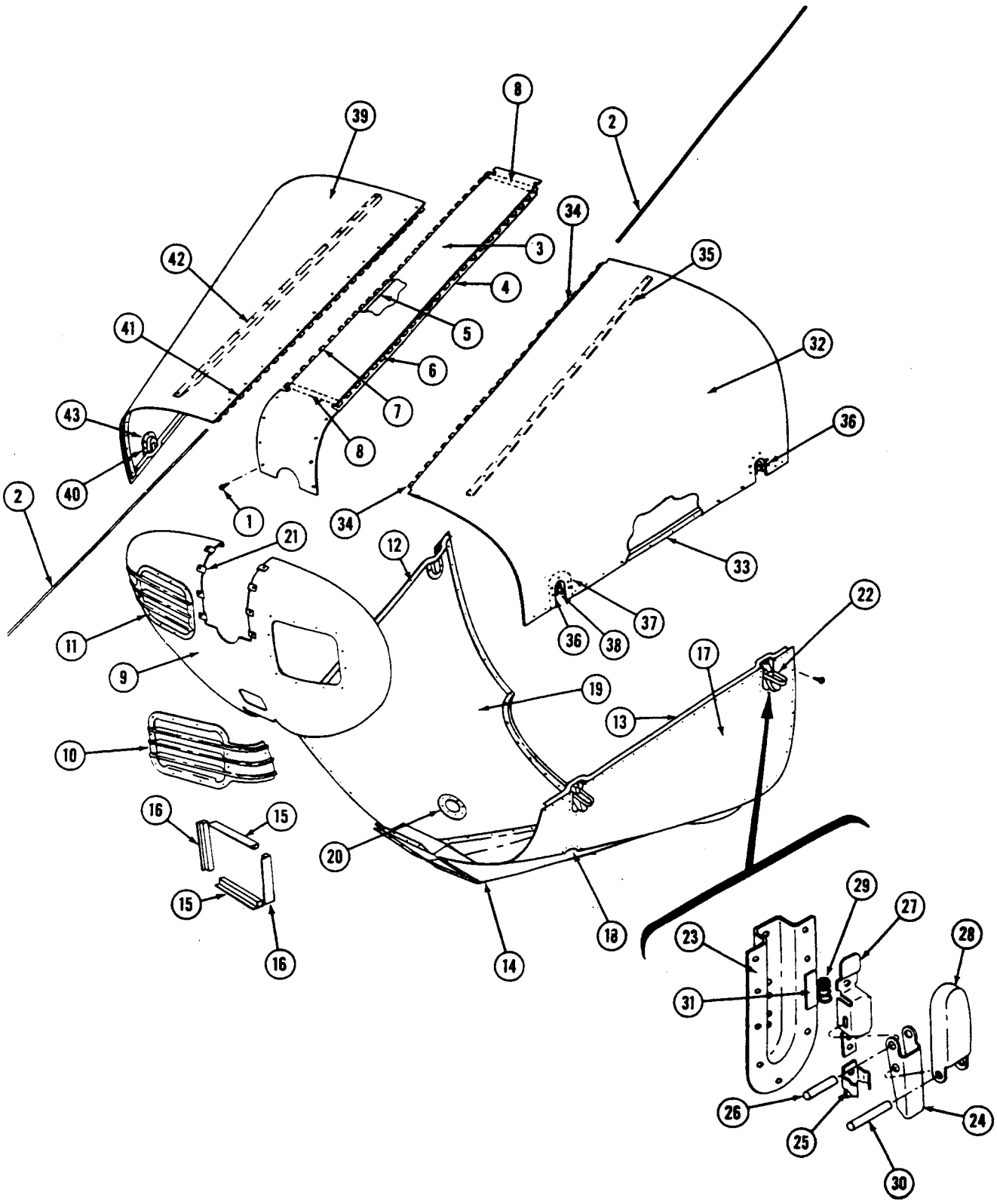

FIGURE 47. ENGINE COWL INSTALLATION (SERIALS 20267 THRU 25372)

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
47-	No Number	Engine Cowl Installation - (Serial 20267 thru 25372) (0552001 Ref.)(See figure 1 for NHA)	Ref
	PK76XZ-8-8	. Screw - (Attach cowl)	20
	0552001	. Cowl Assembly	1
-1	PK76XZ-8-8	. . Screw - (Attach center cowl support)	8
-2	AN253-2-3178	. . Pin - Cowl hinge	2
	0552001-6	. . Support Assembly - Center	1
-3	0552001-22	. . . Support - Upper cowl	1
-4	0552001-30	. . . Angle - Support left	1
-5	0552001-31	. . . Angle - Support right	1
-6	0552001-8	. . . Hinge Half - Upper cowl left	1
-7	0552001-7	. . . Hinge Half - Upper cowl right	1
-8	0552001-46	. . . Doubler - Support	2
	0552001-3	. . Cowl Assembly - Lower	1
	0552001-50	. . . Cowl Assembly - Nose	1
-9	0552001-13	. . . . Cowl - Nose	1
-10	0452207	. . . . Grill - Nose cowl left	1
-11	0452207-1	. . . . Grill - Nose cowl right	1
	0552001-52	. . . Cowl Assembly - Engine lower	1
-12	0552001-11	. . . . Angle - R.H. parting	1
-13	0552001-12	. . . . Angle - L.H. parting	1
-14	0552001-16	. . . . Scoop Assembly - Air	1
-15	0450234-13	. . . . . Rub Strip	2
-16	0450234-14	. . . . . Rub Strip	2
-17	0552001-55	. . . . Skin Assembly - Lower cowl left	1
-18	0552001-65	. . . . . Doubler - Cowl skin	1
-19	0552001-56	. . . . Skin Assembly - Lower cowl right	1
-20	0552001-65	. . . . . Doubler - Cowl skin	1
-21	NAS395-14-3	. . . . Nut - Tinnerman	8
-22	0452119	. . . . Latch Assembly - Cowl fastener	4
-23	0452109	. . . . . Recess - Cowl latch	1
-24	0452110	. . . . . Lever - Cowl latch	1
-25	0452111	. . . . . Clip - Latch lever	1
-26	0452112	. . . . . Pin - Latch lever	1
-27	0452113	. . . . . Housing - Latch spring	1
-28	0452114	. . . . . Hook - Cowl latch	1
-29	0452115	. . . . . Spring - Cowl latch	1
-30	0452120	. . . . . Pin - Latch hook	1
-31	0452121	. . . . . Shim - Cowl latch	1
-32	0552001-4	. . Hood Assembly - Left	1
-33	0552001-12	. . . Angle - Parting	1
-34	0552001-7	. . . Hinge Half - Hood	1
-35	0552001-49	. . . Stiffener - Cowl hood	1
-36	0452108	. . . Catch Assembly - Cowl fastener	2
-37	0452122	. . . . Plate - Fastener	1
-38	0452123	. . . . Hook - Fastener	1
-39	0552001-5	. . Hood Assembly - Right	1
-40	0552001-12	. . . Angle - Parting	1
-41	0552001-8	. . . Hinge Half - Hood	1
-42	0552001-49	. . . Stiffener - Cowl hood	1
-43	0452108	. . . Catch Assembly - Cowl fastener	1

ILLUSTRATED PARTS CATALOG

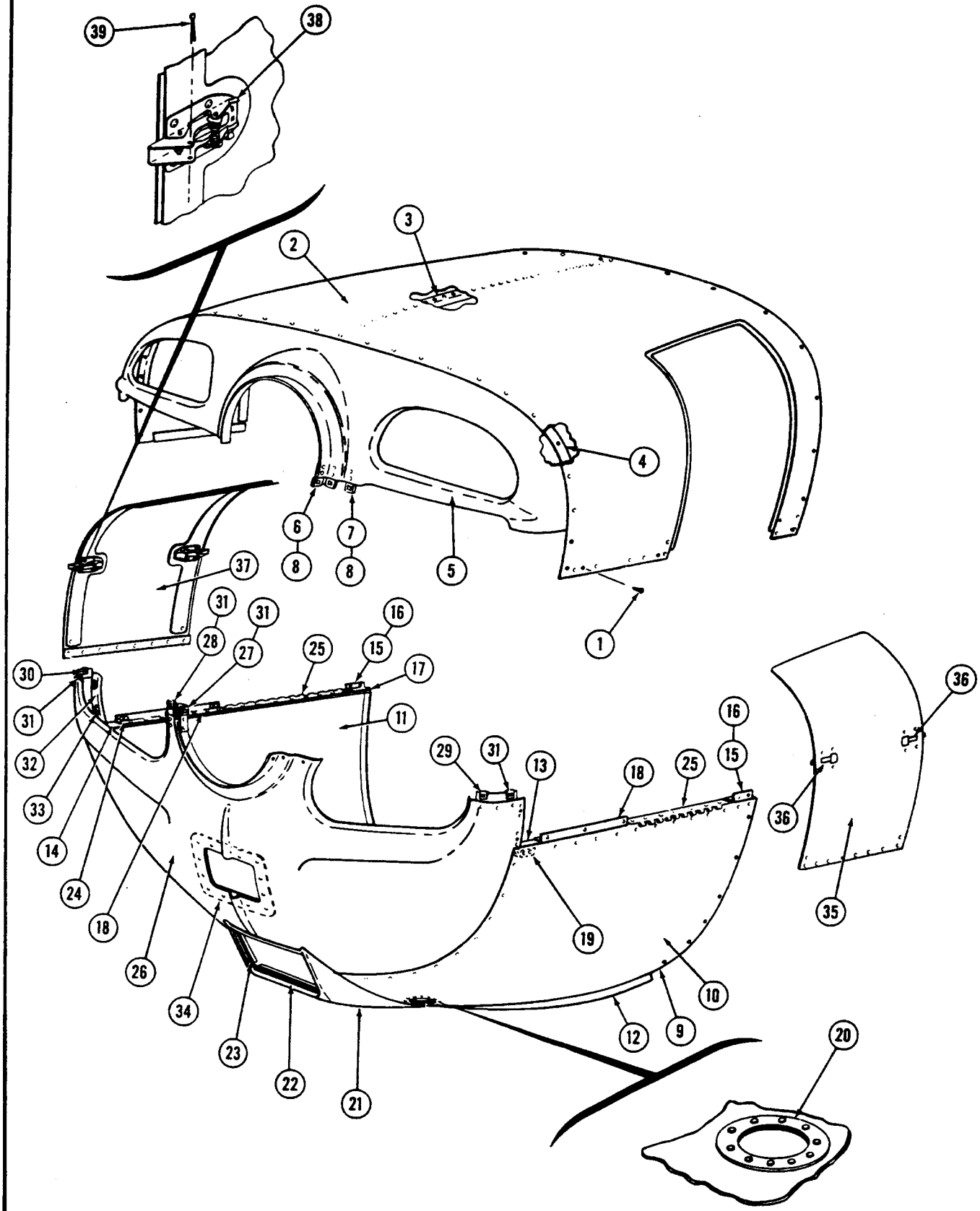

FIGURE 48. ENGINE COWL INSTALLATION (SERIAL 25373 THRU 26995)

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
48-	No Number	Engine Cowl Installation - (Serial 25373 thru 26995) (see figure 1 for NHA)	Ref
-1	PK76XZ-8-8	. Screw - (Attach cowling)	48
	0552002	. Cowl Assembly	1
	0552002-52	. . Cowl Assembly - Upper	1
-2	0552002-54	. . . Cowl Assembly - Upper (Less nose cap)	1
-3	0552002-43	. . . . Stiffener - Upper cowl center	1
-4	0552002-20	. . . . Stiffener - Upper cowl forward	1
-5	0595000-3	. . . Nose Cap Assembly - Upper cowl	1
-6	0552002-31	. . . . Clip	1
-7	0552002-42	. . . . Clip	3
-8	NAS395-14-3	. . . . Nut - (Tinnerman #A1274-8Z-3)	1
	0552002-53	. . Cowl Assembly - Lower	1
-9	0552002-55	. . . Cowl Assembly - Lower (less nose cap)	1
-10	0552002-1	. . . . Skin - Lower cowl left	1
-11	0552002-2	. . . . Skin - Lower cowl right	1
-12	0552001-41	. . . . Lip - Lower cowl	1
-13	0552002-13	. . . . Angle - Lower left parting	1
-14	0552002-14	. . . . Angle - Lower right parting	2
-15	0552002-34	. . . . Angle - Upper rear parting	1
-16	0552002-10	. . . . Nutstrip	2
-17	0552002-38	. . . . Clip - Lower cowl rear	2
-18	0552002-35	. . . . Angle - Upper forward parting	1
-19	0552001-47	. . . . Clip - Lower cowl forward left	1
	0552001-48	. . . . Clip - Lower cowl forward right	2
-20	0552001-65	. . . . Doubler - Exhaust opening	1
-21	0552001-16	. . . . Scoop Assembly - Air	2
-22	0450234-13	. . . . . Rub Strip - Top & Bottom	2
-23	0450234-14	. . . . . Rub Strip - Side	6
-24	NAS444-4	. . . . Nutplate - (Tinnerman #A6191-8Z-3)	2
-25	0552002-46	. . . . Hinge Assembly	1
-26	0552002-51	. . . Nose Cap Assembly - Lower cowl	1
-27	0552002-31	. . . . Clip	1
-28	0552002-42	. . . . Clip	1
-29	0552002-23	. . . . Plate - Left splice	1
-30	0552002-24	. . . . Plate - Right splice	1
-31	NAS395-14-3	. . . . Nut - (Tinnerman #A1274-8Z-3)	1
-32	0552002-22	. . . . Stiffener - Right	1
	0552002-21	. . . . Stiffener - Left	4
-33	NAS444-4	. . . . Nut - (Tinnerman #A6191-8Z-3)	1
-34	0552001-43	. . . . Doubler - Lower cowl opening	1
	0552002-9	. . Door Assembly - Cowl left	1
-35	0552002-5	. . . Skin - Left door	2
-36	H5000-2-.032-.064	. . . Latch	2
	AN380-2-3	. . . Pin - Latch	1
	0552002-8	. . Door Assembly - Cowl right	1
-37	0552002-4	. . . Skin - Right door	2
-38	H5000-2-.032-.064	. . . Latch	2
-39	AN380-2-3	. . . Pin - Latch	

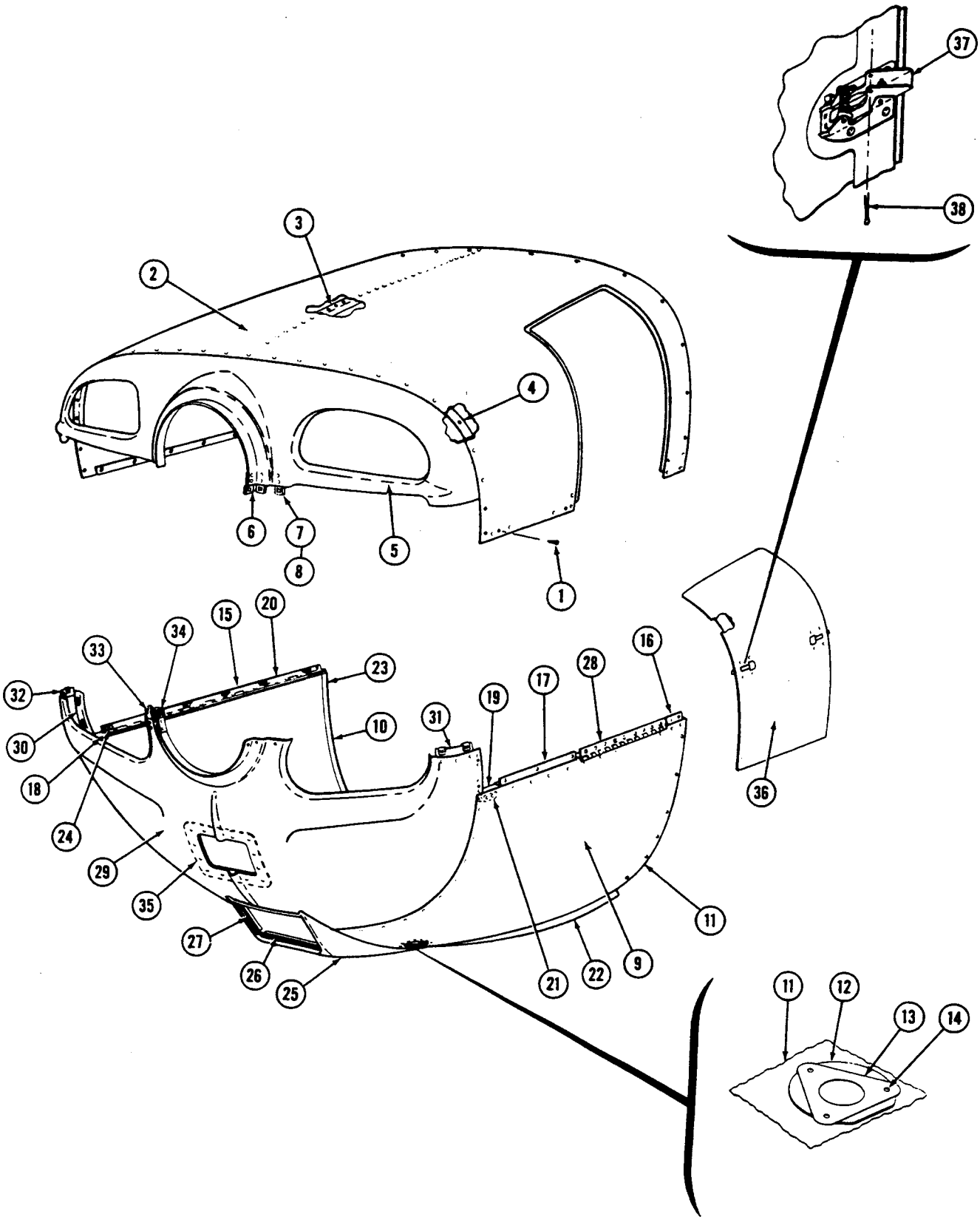

FIGURE 48A. ENGINE COWL INSTALLATION (SERIAL 26996 AND ON)

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
48A-	No Number	Engine Cowl Installation - (Serial 26996 & on) (see figure 1 for NHA)	Ref
-1	PK76XZ-8-8	. Screw - (Attach cowling)	48
	0552002-62	. Cowl Assembly	1
	0595000-1	. . Cowl Assembly - Upper	1
-2	0595000-2	. . . Cowl Assembly - Upper (less nose cap)	1
-3	0552002-43	. . . . Stiffener - Upper cowl center	1
-4	0552002-20	. . . . Stiffener - Upper cowl forward	1
-5	0595000-3	. . . Nose Cap Assembly - Upper cowl	1
-6	0552002-31	. . . . Clip	1
-7	0552002-42	. . . . Clip	2
-8	NAS395-14-3	. . . . Nut - (Tinnerman A1274-8Z-3)	2
	0595000-4	. . Cowl Assembly - Lower	1
-9	0595000-5	. . . Cowl Assembly - Lower (less nose cap)	1
-10	0552002-68	. . . . Skin Assembly - Lower cowl right	1
-11	0552002-71	. . . . Skin Assembly - Lower cowl left	1
-12	0552002-65	. . . . Ring - Exhaust opening	4
-13	0552002-64	. . . . Plate - Exhaust opening	2
-14	PK76XZ-8-6	. . . . Screw - (Attach plate)	6
	A1778-8Z-3	. . . . Nut - (Tinnerman) (attach plate)	6
-15	0552002-59	. . . . Angle Assembly - Upper right parting	1
-16	0552002-34	. . . . Angle - Upper rear parting L.H.	1
-17	0552002-35	. . . . Angle - Upper forward parting L.H.	1
-18	0552002-14	. . . . Angle - Lower right parting	1
-19	0552002-13	. . . . Angle - Lower left parting	1
-20	0552002-10	. . . . Nutstrip	1
-21	0552001-75	. . . . Clip - Lower cowl forward left	1
	0552001-74	. . . . Clip - Lower cowl forward right	1
-22	0552001-41	. . . . Lip - Lower cowl left	1
-23	0552002-38	. . . . Clip - Lower cowl rear	2
-24	NAS444-4	. . . . Nutplate - (Tinnerman A6191-8Z-3)	6
-25	0552001-16	. . . . Scoop Assembly - Air	1
-26	0450234-13	. . . . . Rub Strip - Top & bottom	2
-27	0450234-14	. . . . . Rub Strip - Side	2
-28	0552002-46	. . . . Hinge Assembly	1
-29	0595000-6	. . . Nose Cap Assembly - Lower cowl	1
	0552002-21	. . . . Stiffener - Left	1
-30	0552002-22	. . . . Stiffener - Right	1
-31	0552002-23	. . . . Plate - Left splice	1
-32	0552002-24	. . . . Plate - Right splice	1
-33	NAS395-14-3	. . . . Nut - (Tinnerman A1274-8Z-3)	6
-34	0552002-31	. . . . Clip	1
-35	0552001-43	. . . . Doubler - Lower cowl opening	1
	0552002-9	. . Door Assembly - Cowl left	1
-36	0552002-67	. . . Skin Assembly - Left door	1
-37	H-5000-2-.032-.064	. . . Latch	2
-38	AN380-2-3	. . . Pin - (Attach latch)	2

ILLUSTRATED PARTS CATALOG

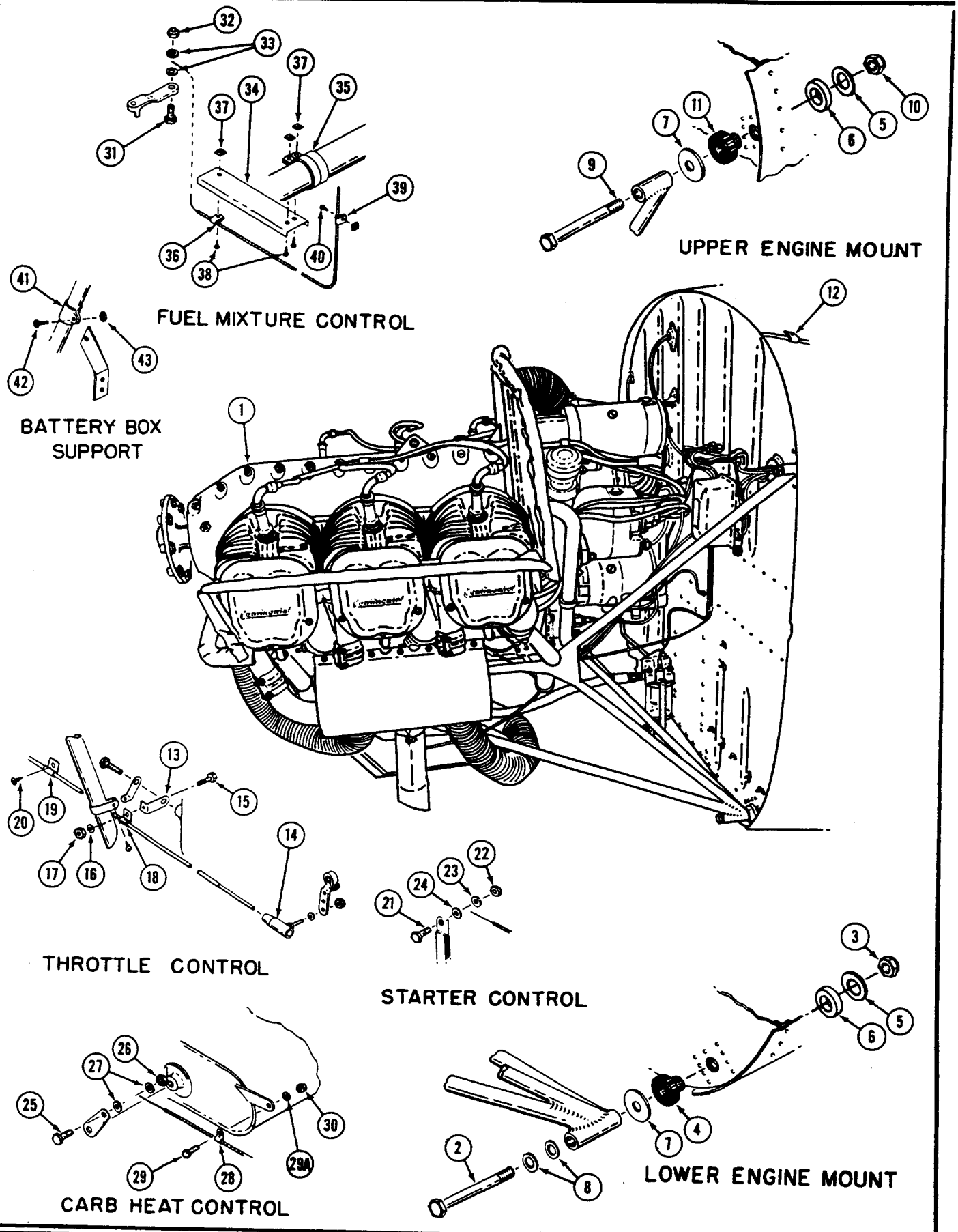

FIGURE 49. ENGINE INSTALLATION

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
49-	No Number	Engine Installation - Continental (0550200 Ref.) (see figure 1 for NHA) (serial 20267 thru 25272)	Ref
	No Number	Engine Installation - Continental (0550105 Ref.) (see figure 1 for NHA) (serial 25373 & on)	Ref
-1	No Number	. Engine Assembly - Continental (serial 20267 thru 25372) (see figure 50 for breakdown)	1
	No Number	. Engine Assembly - Continental (serial 25373 & on) (see figure 50 for breakdown)	1
-2	AN6-33A	. Bolt - (Attach lower engine mount to firewall)	2
-3	AN365-624	. Nut - (Attach lower engine mount to firewall)	2
-4	0550155	. Bushing - (Attach lower engine mount)	2
-5	0550153-1	. Washer - (Attach lower engine mount)	4
-6	0550154-2	. Pad - (Attach engine mount)	4
-7	0550156	. Washer - (Attach engine mount)	4
-8	AN960-716	. Washer - (Attach engine mount)	4
-9	AN6-22A	. Bolt - (Attach upper engine mount to firewall)	2
-10	AN365-624	. Nut - (Attach upper engine mount to firewall)	2
-11	0550155	. Bushing - Engine mount	2
-12	#49166	. Clamp - United Carr (tachometer shaft support)	1
-13	0550100-5	. Bracket - Throttle control	1
-14	0550158	. Ball Joint - Throttle control	1
-15	AN3-3A	. Bolt - (Attach bracket)	1
-16	AN960-10L	. Washer - (Attach bracket)	1
-17	AN365-1032	. Nut - (Attach bracket)	1
-18	AN742-D4	. Clamp - (Tinnerman A2980A-4) (attach throttle control)	1
-19	NAS435-D6	. Clamp - (Tinnerman A3047A-6) (attach throttle control)	1
-20	PK76XZ-6-6	. Screw - (Attach clamp)	1
-21	0450311	. Clamp - Starter control	1
-22	AN365-1032	. Nut - (Attach starter control)	1
-23	AN960-10	. Washer - (Attach starter control)	1
-24	AN960-10L	. Washer - (Attach starter control)	1
-25	0450311	. Clamp - Carburetor heat control	1
-26	AN365-1032	. Nut - (Attach carburetor heat control)	2
-27	AN960-10L	. Washer - (Attach carburetor heat control)	1
-28	A4886A-3-27	. Clamp - (Tinnerman A2980A-3) (attach carburetor heat control)	1
-29	AN3-3A	. Bolt - (Attach clamp)	1
-29A	AN960-10L	. Washer - (Attach clamp)	1
-30	AN365-1032	. Nut - (Attach clamp)	1
-31	0350311-2	. . Clamp - Mixture control	1
-32	AN365-428	. Nut - (Attach mixture control)	1
-33	AN960-417L	. Washer - (Attach mixture control)	2
-34	0550100-4	. Bracket - Mixture control	1
-35	AN735-D30	. Clamp - (Tinnerman A3052A-20) (attach mixture control)	2
-36	AN742-D2	. Clamp - (Tinnerman A2980A-2) (attach mixture control)	1
-37	NAS446-4	. Nut - (Tinnerman A1778-8Z-3) (attach mixture control)	3
-38	PK76XZ-8-6	. Screw - (Attach mixture control)	3
-39	AN742-D3	. Clamp - (Tinnerman A2980A-3) (attach mixture control)	1
-40	PK76XZ-8-10	. Screw - (Attach clamp)	1
-41	AN741-5	. Clamp - Battery box support	1
-42	AN3-5A	. Bolt - (Attach clamp)	1
-43	AN365-1032	. Nut - (Attach clamp)	1

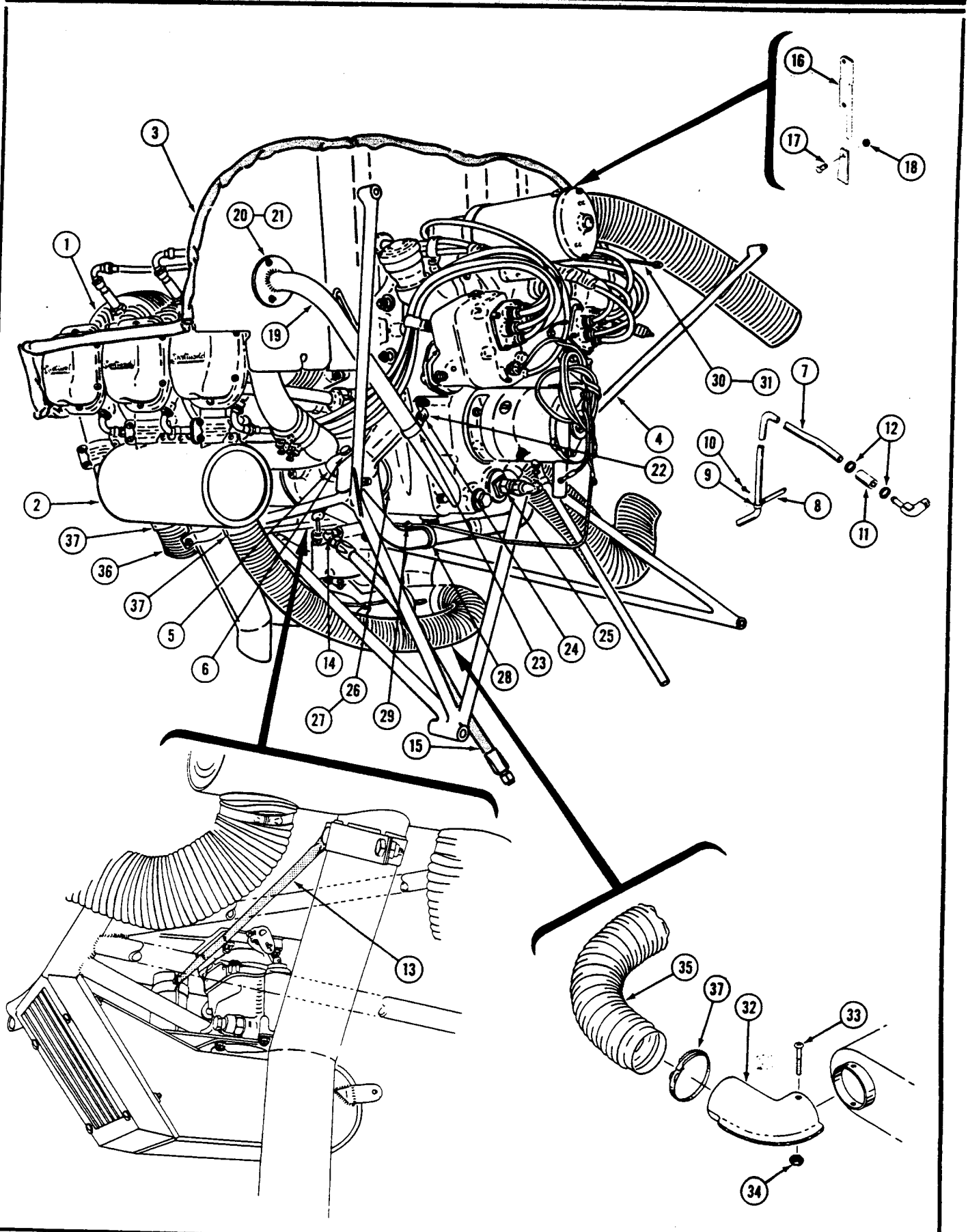

FIGURE 50. ENGINE ASSEMBLY

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
50-	No Number	Engine Assembly - Continental (0550200 Ref.) (serial 20267 thru 25372) (see figure 49 for NHA)	Ref
	No Number	Engine Assembly - Continental (0550105 Ref.) (serial 25373 & on) (see figure 49 for NHA)	Ref
-1	O-300-A	. Engine - Continental	1
-2	No Number	. Stack Assemblies - Exhaust (see figure 51 for breakdown)	1
-3	No Number	. Baffle Installation - Engine (serial 20267 thru 25372) (see figure 52 for breakdown)	1
	No Number	. Baffle Installation - Engine (serial 25373 & on) (see figure 53 for breakdown)	1
-4	0551000-50	. Mount - Engine	4
-5	0550100-7	. Bonding Strap - Engine Mount	5
-6	AN7-27A	. Bolt - (Attach engine mount at engine)	4
	AN960-716	. Washer - (Attach engine mount at engine)	4
	AN365-720	. Nut - (Attach engine mount at engine)	1
-7	0500106-28	. Line - Breather	1
-8	0550100-9	. Bracket - Breather line	1
-9	NAS434-D10	. Clamp - (Tinnerman A2981A-10)	1
-10	PK76XZ-8-6	. Screw - (Attach clamp)	1
-11	S-51-10-12	. Hose - (Connect breather line and elbow)	2
-12	NAS398-16	. Clamp - (Tinnerman A3122-16-59) (attach hose)	1
-13	0550159	. Brace - Exhaust stack (serial 20267 thru 25763)	1
	0550159-5	. Brace - Exhaust stack (serial 25764 & on)	1
-14	AN822-6B	. Elbow - (Carburetor to hose)	1
-15	AN6270-6D-18	. Hose - (Serial 20267 thru 25636)	1
	MS28741-6-0180	. Hose - (Serial 25637 & on)	1
-16	0450283	. Extension - Starter arm	1
-17	AN3-4A	. Bolt - (Attach estension)	1
-18	AN365-1032	. Nut - (Attach extension)	1
-19	0550123	. Tube - Blast L. H.	1
	0550124	. Tube - Blast R. H.	1
-20	AN515-8R6	. Screw - (Attach tube)	6
-21	AN365-832	. Nut - (Attach tube)	6
-22	0550100-6	. Bracket - Blast tube	2
-23	NAS434-D16	. Clamp - (Tinnerman A2981A-16)	2
-24	PK76XZ-10-8	. Screw - (Attach clamp)	2
-25	0450261	. Adapter -(Oil temperature gage)	1
-26	0500106-22	. Line - Primer	1
-27	AN4022-1	. Jet Assembly - Primer	1
-28	AN742D20	. Clamp - (Tinnerman A2980A-20)	1
-29	AN742D2	. Clamp - (Tinnerman A2980A-2)	3
	NAS446-4	. Nut - (Tinnerman A1778-8Z-3) (attach clamp)	2
	PK76XZ-8-6	. Screw - (Attach clamp)	2
-30	0500106-26	. Line - Oil pressure	1
-31	AN816-2B	. Adapter - Oil pressure line	1
-32	0450314	. Fitting Assembly - Carburetor heat	1
-33	AN515-8R-40	. Screw - (Attach fitting)	1
-34	AN365-832	. Nut - (Attach fitting)	1
-35	0450320-29	. Hose - Air intake	1
-36	0450320-28	. Hose - Air intake	1
-37	NAS397-32	. Clamp - (Attach hose)	4

ILLUSTRATED PARTS CATALOG

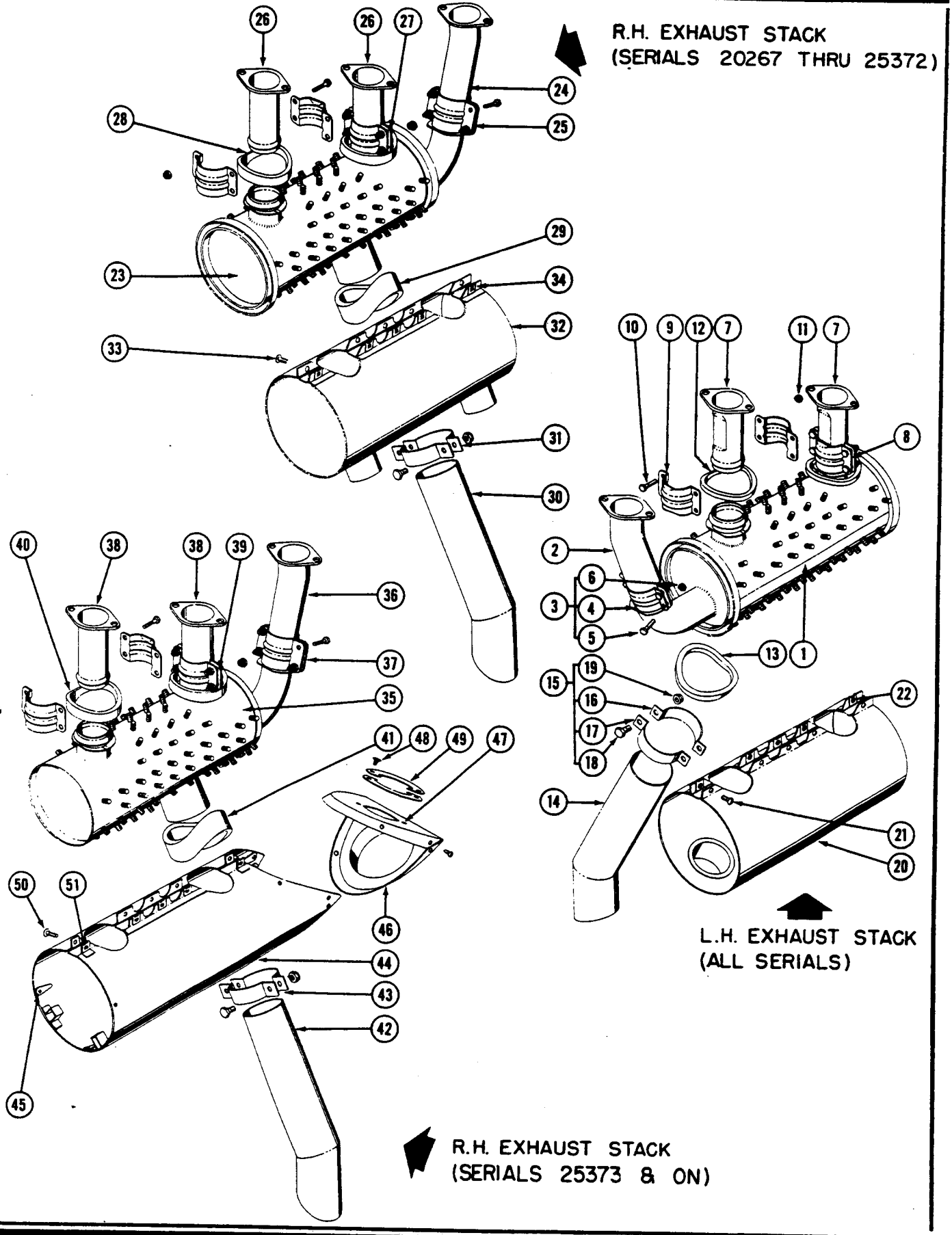

FIGURE 51. ENGINE EXHAUST STACK INSTALLATION

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
51-	No Number	Exhaust Stack Installation - (See figure 50 for NHA)	Ref
	0550157	. Stack Assembly - Engine exhaust L. H.	1
-1	0550157-9	. . Exhaust Heater - Muffler L. H.	1
-2	0550157-8	. . Tube - Exhaust inlet	1
-3	0550157-50	. . Clamp Assembly - Exhaust tube	2
-4	0550157-6	. . . Clamp - Exhaust tube	4
-5	AN3-4A	. . . Bolt - (Attach clamp)	4
-6	AN365-1032C	. . . Nut - (Attach clamp)	2
-7	0550157-7	. . Tube - Exhaust inlet	2
-8	0550157-51	. . Clamp Assembly - Exhaust tube	2
-9	0550157-35	. . . Clamp - Exhaust tube	4
-10	AN3-4A	. . . Bolt - (Attach clamp)	4
-11	AN365-1032C	. . . Nut - (Attach clamp)	2
-12	0550157-29	. . Seal - Shroud upper	1
-13	0550157-31	. . Seal - Shroud lower L. H.	1
-14	0550157-4	. . Tailpipe - Exhaust L. H.	1
-15	0550157-5	. . Clamp Assembly - Tailpipe	1
-16	No Number	Clamp - Tailpipe	1
-17	No Number	Clamp - Tailpipe	1
-18	AN4-4A	. . . Bolt - (Attach clamp)	4
-19	AN365-428C	. . . Nut - (Attach clamp)	4
-20	0550157-15	. . Shroud - Exhaust heater L. H.	1
-21	AN525-832-8	. . Screw - (Attach shroud)	5
-22	C6052-832	. . Nut - (Attach shroud)	5
	0550157-1	. Stack Assembly - Engine exhaust R. H. (serial 20267 thru 25372)	1
-23	0550157-9	. . Exhaust Heater - Muffler R. H.	1
-24	0550157-8	. . Tube - Exhaust inlet	1
-25	0550157-50	. . Clamp Assembly - Exhaust tube (see item 3 for breakdown)	1
-26	0550157-7	. . Tube - Exhaust inlet	2
-27	0550157-51	. . Clamp Assembly - Exhaust tube (see item 8 for breakdown)	2
-28	0550157-29	. . Seal - Shroud upper	2
-29	0550157-31	. . Seal - Shroud lower	1
-30	0550157-3	. . Tailpipe	1
-31	0550157-5	. . Clamp Assembly - Tailpipe (see item 15 for breakdown)	1
-32	0550157-15	. . Shroud - Exhaust heater	1
-33	AN525-832-8	. . Screw - (Attach shroud)	5
-34	C6052-832	. . Nut - (Attach shroud)	5
	0550157-34	. Stack Assembly - Engine exhaust R. H. (serial 25373 & on)	1
-35	0550157-32	. . Exhaust Heater - Muffler R. H.	1
-36	0550157-8	. . Tube - Exhaust inlet	1
-37	0550157-50	. . Clamp Assembly - Exhaust tube (see item 3 for breakdown)	1
-38	0550157-7	. . Tube - Exhaust inlet	2
-39	0550157-51	. . Clamp Assembly - Exhaust tube (see item 8 for breakdown)	2
-40	0550157-29	. . Seal - Shroud upper	2
-41	0550157-30	. . Seal - Shroud lower R. H.	1
-42	0550157-33	. . Tailpipe - Exhaust R. H.	1
-43	0550157-5	. . Clamp Assembly - Tailpipe (see item 15 for breakdown)	1
	0550157-27	. . Shroud Assembly - Exhaust heater R. H.	1
-44	0550157-52	. . . Shroud - Exhaust heater R. H.	1
-45	NAS445-3-3	. . . . Nut - Tinnerman (A6193SS-6Z)(A1181-6Z-3 alternate)	12
-46	0550157-53	. . . Adapter - Exhaust heater R. H.	1
-47	NAS445-3-3	. . . . Nut - Tinnerman (A6193SS-6Z)(A1181-6Z-3 alternate)	2
-48	PK76XZ-6-8	. . . Screw - (Attach adapter and shields)	10
-49	0550157-23	. . . Shield - Adapter	2
-50	AN526-832-8	. . Screw - (Attach shroud)	5
-51	C6052-832	. . Nut - (Attach shroud)	5

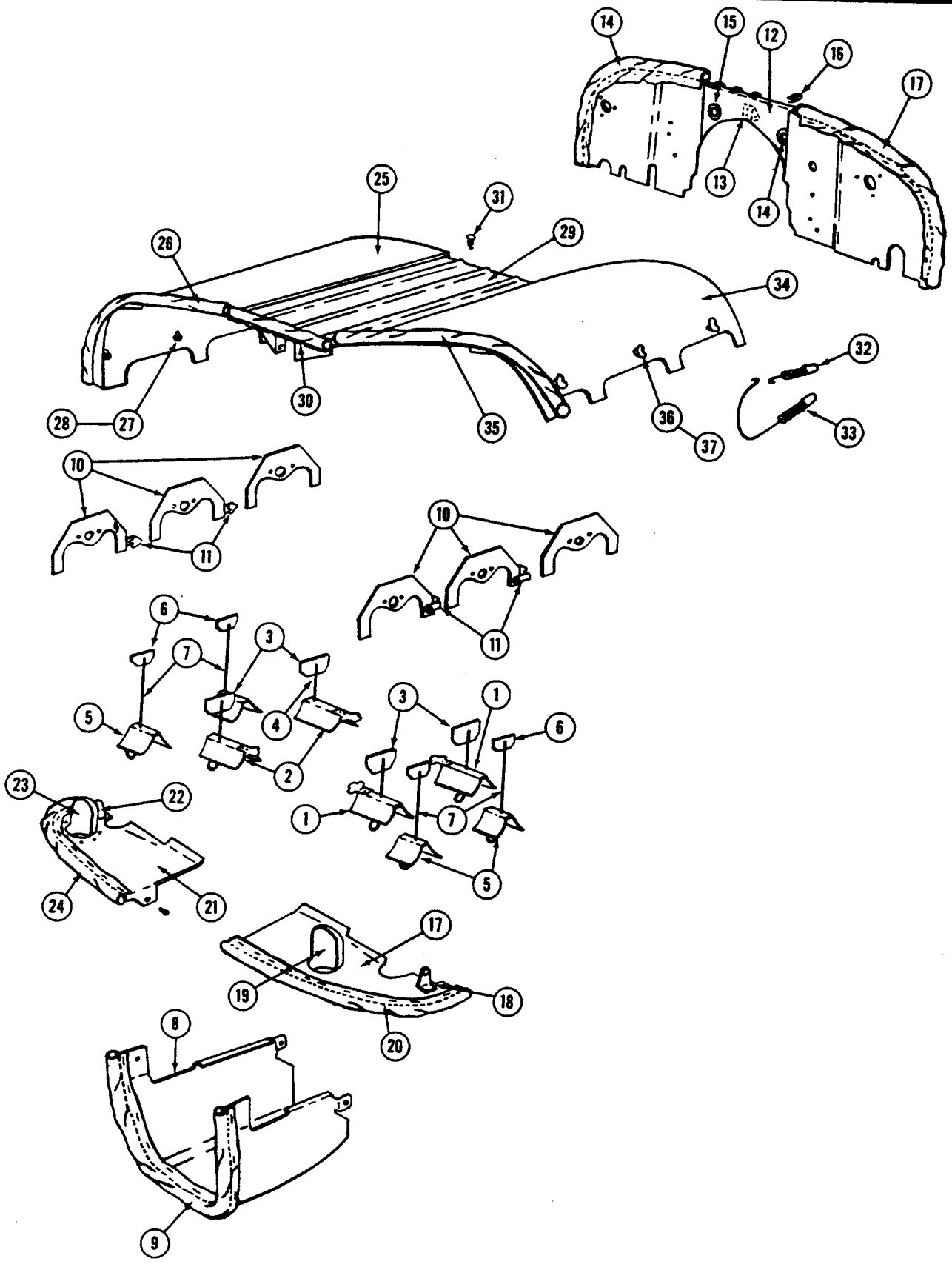

FIGURE 52. ENGINE BAFFLE INSTALLATION (SERIALS 20267 THRU 25372)

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
52-	No Number	Engine Baffle Installation - (Serial 20267 thru 25372) (0550105 Ref.) (see figure 50 for NHA)	Ref
-1	0450322-2	. Baffle Assembly - Inter-cylinder L. H.	2
-2	0450322-1	. Baffle Assembly - Inter-cylinder R. H.	2
-3	0450210	. Support - Cylinder	4
-4	0450211-1	. Fastener - Baffle	4
-5	0450171	. Baffle - Inter-head	4
-6	0450209	. Support - Baffle	4
-7	0450211-2	. Fastener - Baffle	4
-8	0550111-7	. Baffle Assembly - Oil sump	1
-9	0450234-21	. . Rub Strip - Oil sump baffle	1
-10	0550106	. Plate - Baffle	6
-11	0450171	. Baffle - Inter-head	4
-12	0550121	. Baffle Assembly - Rear cylinder	1
-13	0550110	. . Bracket - Baffle support	1
-14	0450234-16	. . Rub Strip - Baffle	2
-15	AN931-14-20	. . Grommet - Baffle	2
-16	NAS395-14-3	. . Nut - (Tinnerman #A1274-8Z-3)	4
-17	0550112	. Baffle Assembly - Left front horizontal	1
-18	0450307	. . Bracket - Baffle support	1
-19	0450266	. . Scoop Assembly	1
-20	0450234-19	. . Rub Strip - Baffle	1
-21	0550113	. Baffle Assembly - Right front horizontal	1
-22	0450307-1	. . Bracket - Baffle support	1
-23	0450266	. . Scoop Assembly	1
-24	0450234-20	. . Rub Strip - Baffle	1
-25	0550116	. Baffle Assembly - Right cylinder	1
-26	0450234-17	. . Rub Strip - Baffle	2
-27	AW5-30	. . Fastener - Dzus	2
-28	GA5-375	. . Grommet - Dzus	1
-29	0550114	. Baffle Assembly - Crankcase top	2
-30	0450234-15	. . Rub Strip - Baffle	4
-31	PK76XZ-8-8	. Screw - Attach baffle	2
-32	0450277-1	. Fastener.	2
-33	0450277-2	. Fastener	1
-34	0550115	. Baffle Assembly - Left cylinder	1
-35	0540234-1	. . Rub Strip - Baffle	2
-36	AW5-30	. . Fastener - Dzus	2
-37	GA5-375	. . Grommet - Dzus	

ILLUSTRATED PARTS CATALOG

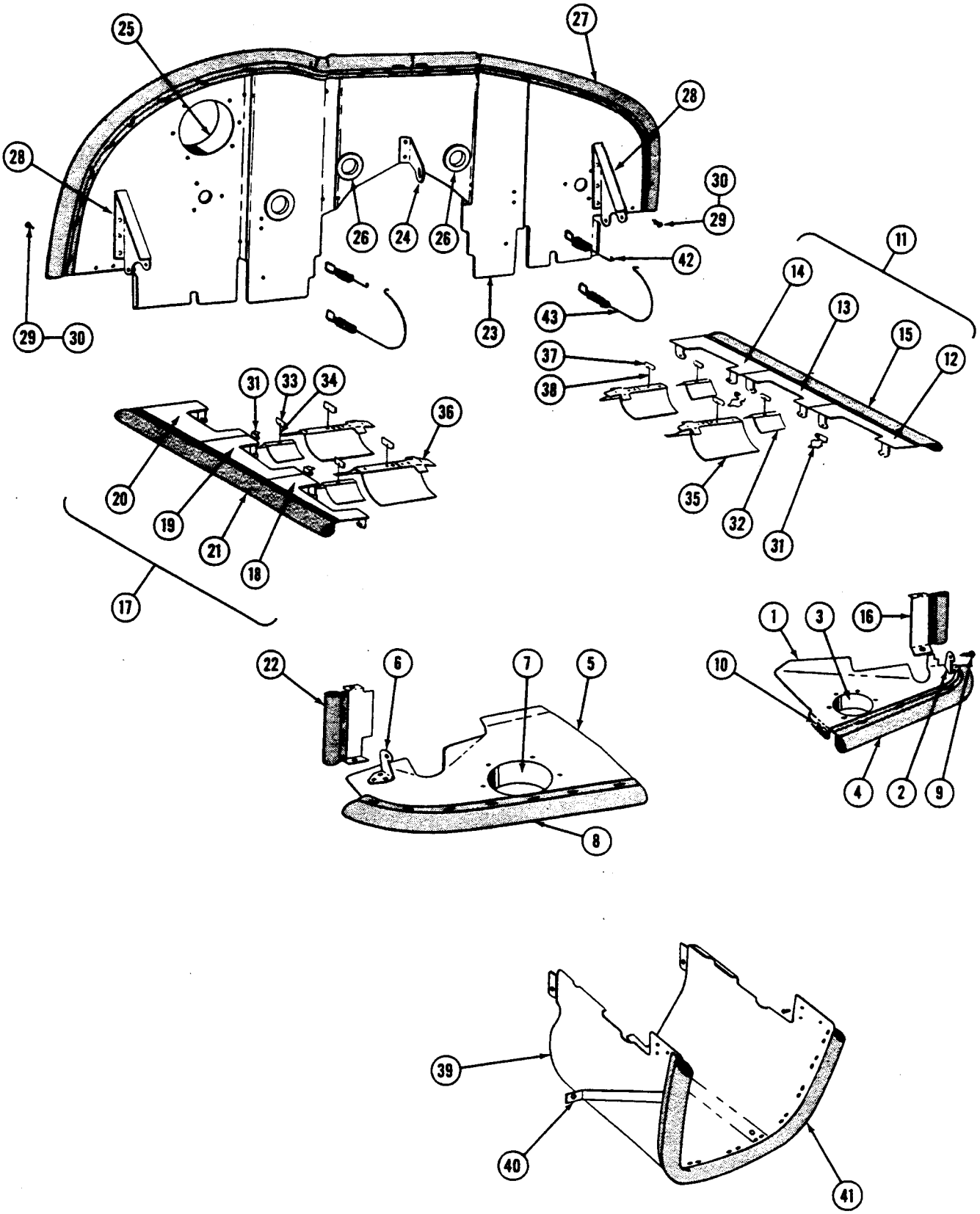

FIGURE 53. ENGINE BAFFLE INSTALLATION (SERIALS 25373 AND ON)

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
53-	No Number	Baffle Installation - Engine (0550105 Ref.) (serial 25373 & on) (see figure 50 for NHA)	Ref
-1	0550165-6	. Baffle Assembly - Horizontal front left	1
-2	0450307	. . Support - Left front baffle	1
-3	0450262	. . Union - Left front baffle	1
-4	0450234-23	. . Rub Strip - Left front baffle	1
-5	0550165-2	. Baffle Assembly - Horizontal front right	1
-6	0450307-1	. . Support - Right front baffle	1
-7	0713019-33	. . Union - Right front baffle	1
-8	0450234-24	. . Rub Strip - Right front baffle	1
-9	PK76XZ-8-6	. Screw - (Attach baffle)	4
-10	NAS444-6	. Nut - (Attach baffle)	4
-11	0550164-7	. Baffle Assembly - Horizontal cylinder left	1
-12	0550164-1	. . Baffle - Left cylinder	1
-13	0550164-3	. . Baffle - Left cylinder	1
-14	0550164-5	. . Baffle - Left cylinder	1
-15	0450234-22	. . Rub Strip - Left cylinder baffles	1
-16	0550164-11	. . Baffle - LH forward	1
-17	0550164-8	. Baffle Assembly - Horizontal cylinder right	1
-18	0550164-2	. . Baffle - Right cylinder	1
-19	0550164-4	. . Baffle - Right cylinder	1
-20	0550164-6	. . Baffle - Right cylinder	1
-21	0450234-22	. . Rub Strip - Right cylinder baffles	1
-22	0550164-10	. . Baffle - RH forward	1
-23	0550163	. Baffle Assembly - Rear cylinders	1
-24	0550110	. . Support - Baffle	1
-25	0713019-33	. . Union - Rear baffle	2
-26	AN931-14-20	. . Grommet - Rear baffle	1
-27	0450234-25	. . Rub Strip - Rear baffle	2
-28	0550163-3	. . Supports - Baffle	4
-29	PK76XZ-8-6	. Screw - (Attach baffle)	4
-30	NAS444-6	. Nut - (Attach baffle)	4
-31	0550117	. Baffle - Inner cylinder	4
-32	0450171	. Baffle - Inner cylinder head	4
-33	0450209	. Support - Baffle	4
-34	0450211-2	. Fastener - Baffle	2
-35	0450322-2	. Baffle - Inner cylinder	2
-36	0450322-3	. Baffle - Inner cylinder	4
-37	0450210	. Support - Baffle	4
-38	0450211-1	. Fastener - Baffle	1
-39	0550111-7	. Baffle - Oil sump	2
-40	0550111-4	. . Brace - Baffle	1
-41	0450234-21	. . Rub Strip - Baffle	2
-42	0450277-1	. Fastener - Baffle	2
-43	0450277-2	. Fastener - Baffle	

ILLUSTRATED PARTS CATALOG

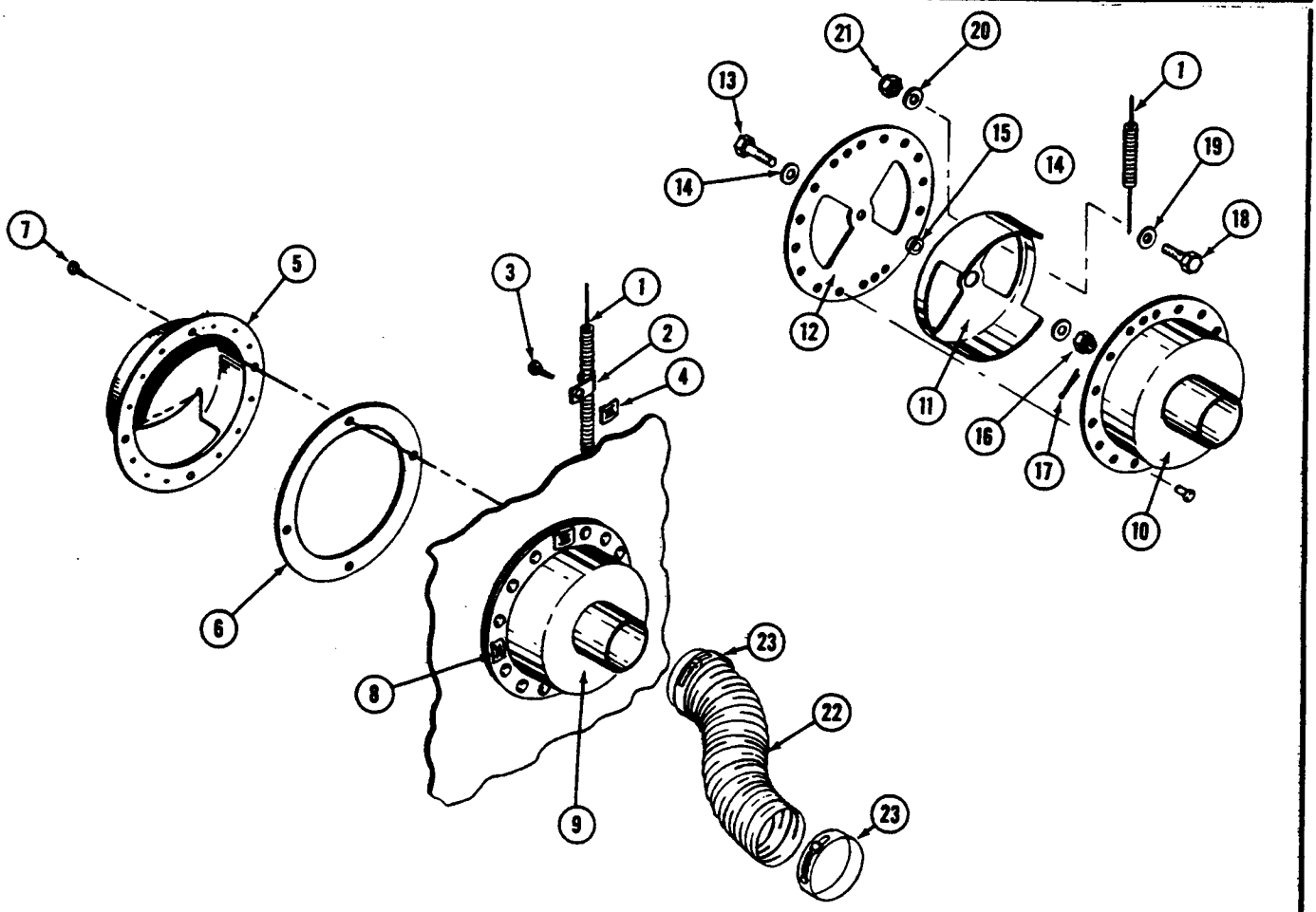

FIGURE 54. MANIFOLD TYPE CABIN HEATER INSTALLATION (SERIALS 20267 THRU 25372)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
54-	No Number	Cabin Heater Installation -(Serial 20267 thru 25372)(0511105 Ref.) (see figure 1 for NHA)	Ref
-1	0411090-2	. Control - Cabin heater (see figure 37 for NHA)	Ref
-2	AN742-D3	. Clamp - (Attach control)(Tinnerman #A2980A-3)	1
-3	PK76XZ-8-8	. Screw - (Attach clamp)	1
-4	NAS446-4	. Nut - (Attach clamp) (Tinnerman #1778-8Z-3)	1
-5	0550161	. Deflector - Cabin heat	1
-6	0411773-1	. Plate - Cabin heater outlet cover	1
-7	PK76XZ-8-8	. Screw - (Attach plate)	4
-8	NAS446-4	. Nut - (Attach plate) (Tinnerman #1778-8Z-3)	4
-9	0450247	. Valve Assembly - Cabin heater	1
-10	0450248	. . Housing - Cabin heater valve	1
-11	0450250	. . Cylinder - Cabin heater valve	1
-12	0450253	. . Plate - Cabin heater valve	1
-13	AN3-4	. . Bolt - (Assemble valve)	1
-14	AN970-3	. . Washer - (Assemble valve)	2
-15	0450252	. . Bearing - Cabin heater valve	1
-16	AN320-3	. . Nut - (Assemble valve)	1
-17	AN380-2-2	. . Pin - Cotter	1
-18	0450311	. . Clamp - Control wire	1
-19	AN960-10L	. . Washer	1
-20	AN960-10	. . Washer	1
-21	AN365-1032	. . Nut - (Attach clamp)	1
-22	0450320	. Hose - Heater	1
-23	NAS395-32	. Clamp - (Attach hose)	2

ILLUSTRATED PARTS CATALOG

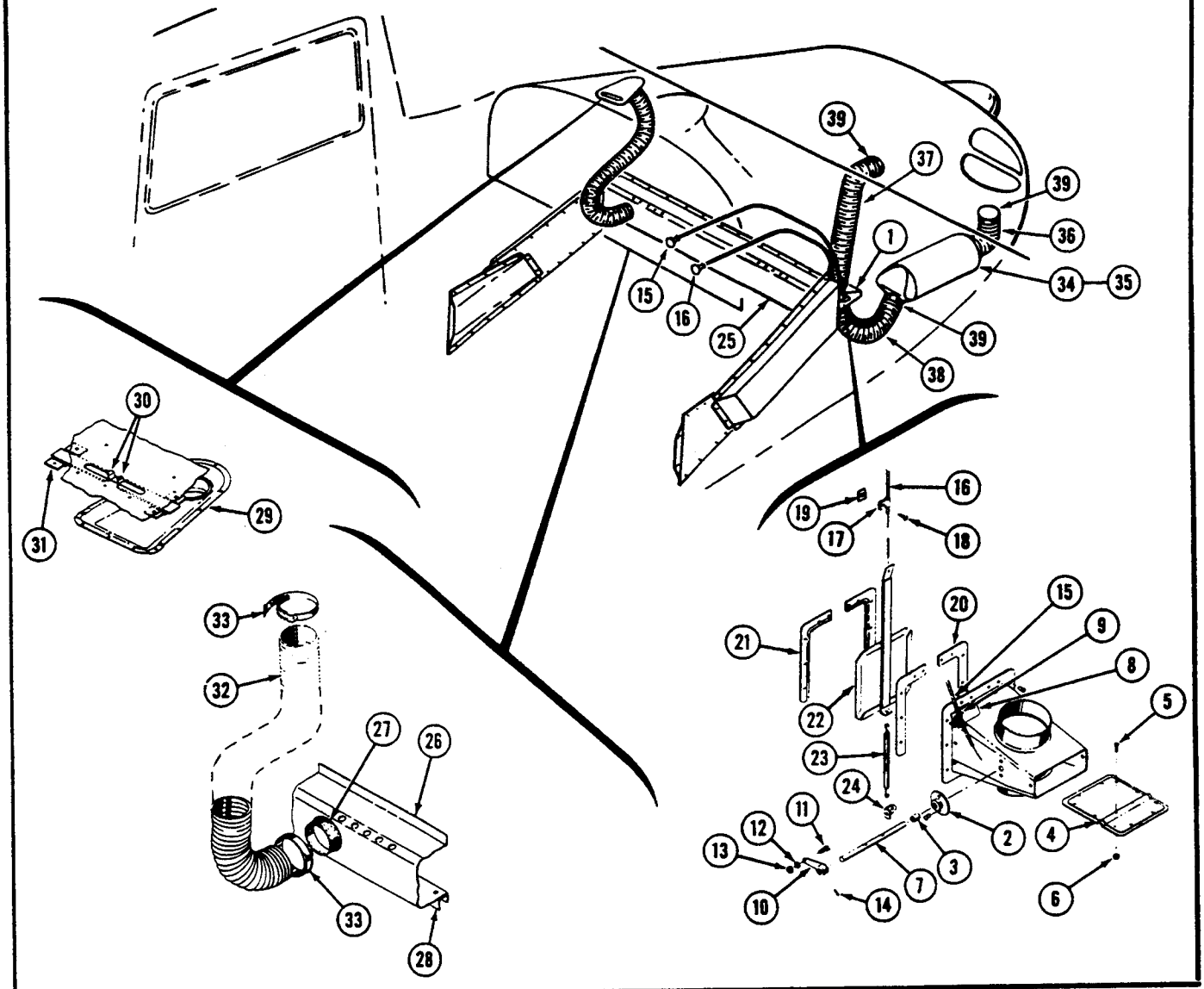

FIGURE 55. MANIFOLD TYPE CABIN HEATER INSTALLATION (SERIALS 25373 AND ON)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
55-	No Number	Cabin Heater Installation - (Serial 25373 & on)(0513030 Ref.)(see figure 1 for NHA)	Ref
-1	0713019-20	. Valve Assembly - Cabin heater	1
-2	0713019-41	. . Bushing Assembly - Cabin heater valve	2
-3	A367-1	. . . Bearing - Cabin heater valve (Oilite)	1
-4	0713019-85	. . Plate Assembly - Cabin heater valve	1
-5	AN526-632R9	. . Screw - (Attach gate)	2
-6	AN365-632C	. . Nut - (Attach gate)	2
-7	0713019-16	. . Shaft - Cabin heater valve	1
-8	0450286	. . Angle - Cabin heater valve	1
-9	0713019-16	. . Clip - Cabin heater valve	1
-10	0713019-24	. . Arm Assembly - Cabin heater valve	1
-11	0450311-5	. . Clamp - (Attach cabin heat control)	1
-12	AN960-10L	. . Washer - (Attach cabin heat control)	1
-13	AN364-1032	. . Nut - (Attach cabin heat control)	1
-14	52-018-078-05625	. . Roll Pin - Esna	1

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
55-15	0411090-20	Control - Cabin heat (see figure 42 for NHA) (serial 25373 thru 26038)	Ref
	0411090-5	Control - Cabin heat (see figure 42A & 42B for NHA) (serial 26039 & on)	Ref
-16	0411090-14	Control - Cabin air (see figure 42 for NHA) (serial 25373 thru 26038)	Ref
	0411090-17	Control - Cabin air (see figure 42A & 42B for NHA) (serial 26039 & on)	Ref
-17	A2980A-3	Clamp - (Attach cabin air control) (Tinnerman A2980A-3)	1
-18	PK76XZ-8-8	Screw - (Attach clamp)	1
-19	NAS446-9	Nut - (Attach clamp)	1
-20	0713019-78	Spacer - Heat valve	2
-21	0713019-35	Spacer - Heat valve	2
-22	0713019-75	Valve Assembly - Cabin air	1
-23	0713019-37	Spring - Cabin air valve	1
-24	0413151	Bracket - Spring attachment	1
-25	0713019-89	Duct Assembly - Cabin heater	1
-26	0713019-87	. Duct - Heater	1
-27	0713019-3	. Outlet - Defroster	1
-28	0713019-31	. Angle - Upholstery retainer	6
-29	0513033-2	Duct Assembly - Defroster	1
-30	0713019-8	Valve - Defroster duct	1
-31	0513030-2	Guide - Valve	2
-32	0450320-30	Hose - (Cabin heater duct to defroster)	2
-33	NAS397-32	Clamp - Hose	1
-34	0713019-32	Inlet - Cabin heater shroud	2
-35	PK76XZ-8-8	Screw - (Attach inlet)	1
-36	0450320-27	Hose - (Inlet to baffle)	4
-37	0450320-25	Hose - (Cabin heater valve to baffle)	1
-38	0450320-26	Hose - (Cabin heater valve to shroud)	1
-39	NAS398-50	Clamp - (Attach hoses)	1
			6

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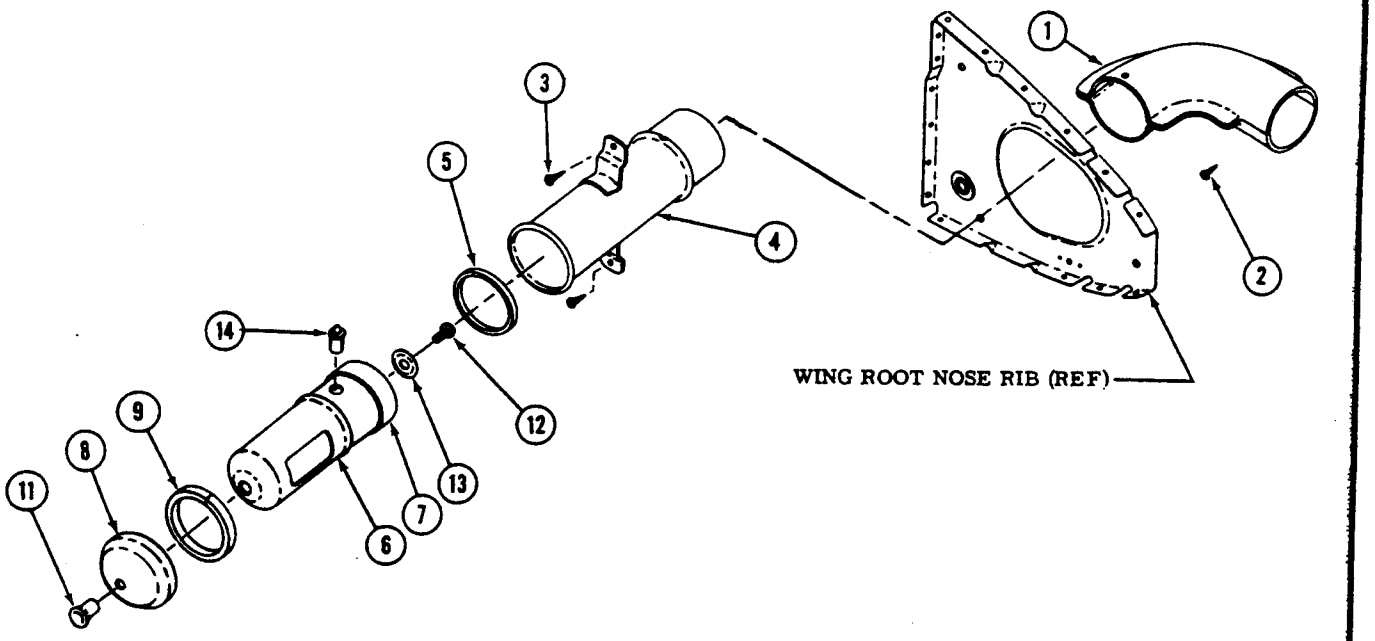

FIGURE 56. CABIN VENTILATION SYSTEM

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
56-	No Number	Cabin Air Vent Installation - (See figure 1 for NHA)	Ref
-1	0413233	. Elbow Assembly - Cabin air vent	2
-2	PK76XZ-8-6	. Screw - (Attach elbow)	1
-3	PK76XZ-8-6	. Screw - (Attach outlet assembly)	2
	Deleted		
	Deleted		
	0413163-12	. Outlet Assembly - LH	1
	0413163-13	. Outlet Assembly - RH	1
-4	0413163-8	. . Tube Assembly - LH	1
	0413163-9	. . Tube Assembly - RH	1
-5	0413163-7	. . . Seal - Felt	1
-6	0413163-18	. . Outlet Assembly	1
-7	0413163-5	. . . Seal	1
	0413163-11	. . Cap Assembly - Air outlet	1
-8	0413257	. . . Cap	1
-9	0413163-10	. . . Seal - Cap	1
-10	Deleted		
-11	0411092-1	. . Knob - Cap	1
-12	AN526-832R8	. . Screw - (Attach knob)	1
-13	0413228	. . Washer - (Attach knob)	1
-14	0413203	. . Catch - Bullet	2

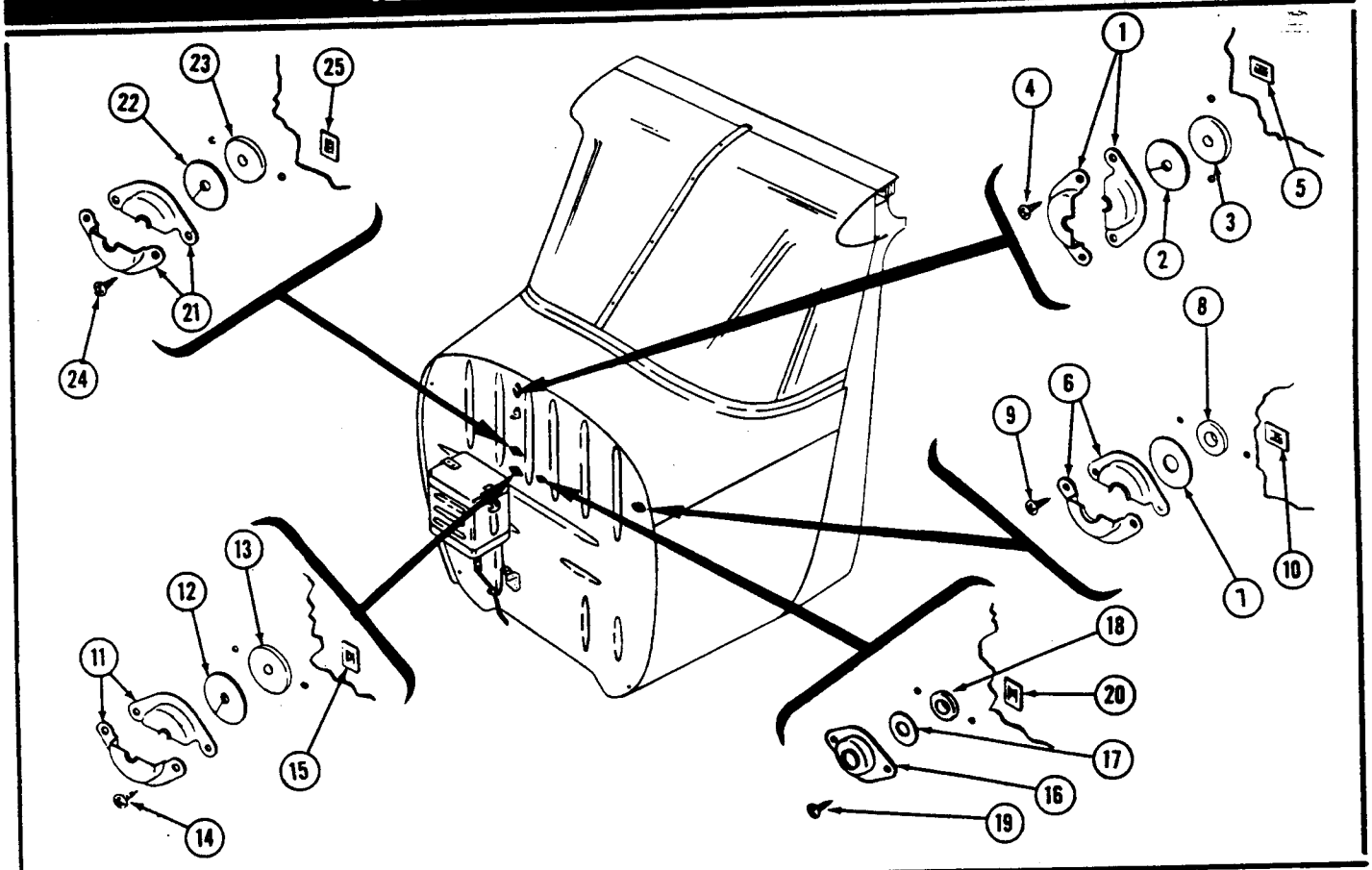

FIGURE 57. FIREPROOF GROMMETS INSTALLATION

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
57-	No Number	Grommet Installation - Firewall - (Tachometer shaft) (see figure 1 for NHA)	Ref
-1	0353111-8	. Shield - Firewall hole	2
-2	0353112-5	. Shield - Asbestos grommet	1
-3	AN931-4-16	. Grommet	1
-4	PK76XZ-8-6	. Screw	2
-5	NAS446-4	. Nut - (Tinnerman A1778-8Z-3)	2
	No Number	Grommet Installation - Firewall - (Wiring harness)	Ref
-6	0353111-4	. Shield - Firewall hole	2
-7	0353112-4	. Shield - Asbestos grommet	1
-8	AN931-7-11	. Grommet	1
-9	PK76XZ-8-6	. Screw	2
-10	NAS446-4	. Nut - (Tinnerman A1778-8Z-3)	2
	No Number	Grommet Installation - Firewall - (Oil temperature gage line)	Ref
-11	0353111-5	. Shield - Firewall hole	2
-12	0353112-5	. Shield - Asbestos grommet	1
-13	AN931-4S16	. Grommet	1
-14	PK76XZ-8-6	. Screw	2
-15	NAS446-4	. Nut - (Tinnerman A1778-8Z-3)	2
	No Number	Grommet Installation - Firewall - (Throttle control)	Ref
-16	0353111-1	. Shield - Firewall hole	1
-17	0353112-1	. Shield - Asbestos grommet	1
-18	AN931-6-10	. Grommet	1
-19	PK76XZ-8-6	. Screw	2
-20	NAS446-4	. Nut - (Tinnerman A1778-8Z-3)	2
	No Number	Grommet Installation - Firewall (Mag. "P" lead) (serial 25373 & on)	Ref
-21	0353111-5	. Shield - Firewall hole	2
-22	0353112-8	. Shield - Asbestos grommet	1
-23	AN931-5S13	. Grommet	1
-24	PK76XZ-8-6	. Screw	2
-25	NAS446-4	. Nut - (Tinnerman A1778-8Z-3)	2

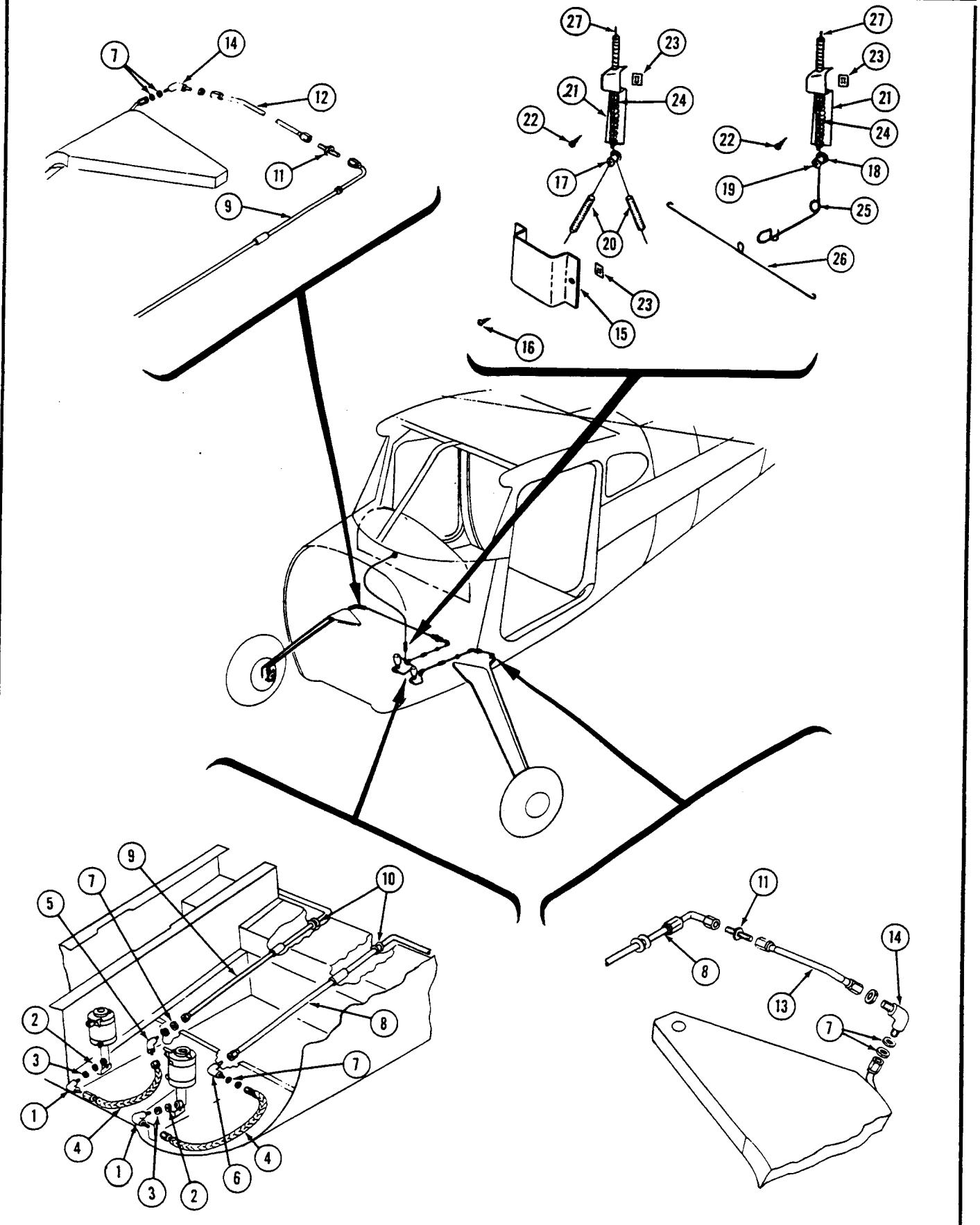

FIGURE 58. BRAKE SYSTEM

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
58-	No Number	Brake System-(0510101 Ref.) (see figure 1 for NHA)	Ref
-1	AN833-4D	. Elbow - Cylinder to hose	2
-2	AN902-4	. Gasket - Elbow	2
-3	AN924-4D	. Nut - (Attach elbow)	8
-4	MS28741-4-0100	. Hose - (Master cylinder to elbow)	2
-5	AN837-4D	. Elbow - (Hose to brake line right)	1
-6	AN833-4D	. Elbow - (Hose to brake line left)	1
-7	AN960-716L	. Washer - Elbow	8
-8	0500106-35	. Brake Line - (Bulkhead to union left)	1
-9	0500106-14	. Brake Line - (Bulkhead to union right)	1
-10	AN931-46-12	. Grommet - Bulkhead	2
-11	AN815-4D	. Union - Brake line	2
-12	0500106-13	. Brake Line - (Union to fuselage skin right)	1
-13	0500106-12	. Brake Line - (Union to fuselage skin left)	1
-14	AN833-4D	. Elbow - Brake line	4
-15	0441022	. Guard - Parking brake control (Serial 20267 thru 24999)	1
-16	PK76XZ-8-6	. Screw - (Attach guard)	2
-17	0450258	. Clamp - Parking brake control (Serial 20267 thru 24999)	1
-18	0713037	. Clamp - Parking brake control (Serial 25000 & on)	1
-19	AN500A8-5	. Screw - (Attach clamp)	1
-20	0441020	. Spring - Parking brake wire	1
-21	0413186-3	. Clamp - Parking brake wire	1
-22	PK76XZ-8-8	. Screw - (Attach clamp)	2
-23	NAS446-4	. Nut - (Attach clamp & guard)	2
-24	0441021	. Spring - Parking brake	1
-25	0713020-1	. Linkage Spring - Parking brake (Serial 25000 & on)	1
-26	0713020-2	. Crossarm - Parking brake (Serial 25000 & on)	1
-27	0411090-1	. Control - Parking brake (serials 20267 thru 24999) (see figure 37)	Ref
	0411090-15	. Control - Parking brake (serials 25000 thru 25372) (see figure 37)	Ref
	0411090-9	. Control - Parking brake (serial 25373 thru 26038) (see figure 42)	Ref
	0411090-19	. Control - Parking brake (serial 26039 & on) (see figure 42A and 42B)	Ref

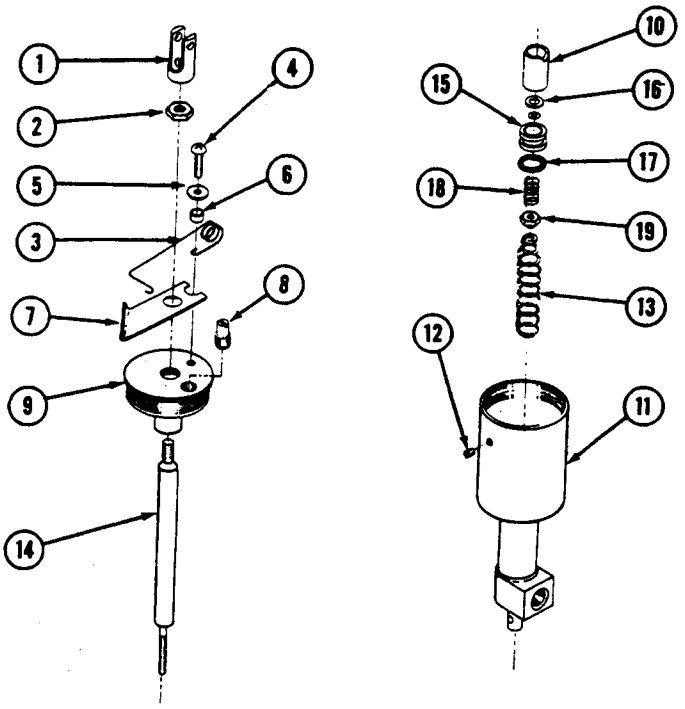

FIGURE 59. BRAKE MASTER CYLINDER

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
59-	0541138-1	Master Cylinder Assembly -Right brake (see figure 60 for NHA) (serial 20267 thru 24999)	Ref
	0541138-2	Master Cylinder Assembly -Left brake (see figure 60 for NHA) (serial 20267 thru 24999)	Ref
	0541138-7	Master Cylinder Assembly - Left brake(see figure 60 & 60A for NHA) (serial 25000 & on)	Ref
	0541138-6	Master Cylinder Assembly - Right brake(see figure 60 & 60A for NHA) (serial 25000 & on)	Ref
-1	0541140	. Clevis - Rod end	1
-2	AN316-4R	. Nut - Check	1
-3	0541145	. Spring - Parking brake	1
-4	AN515-10R8	. Screw - Machine	1
-5	AN960-10	. Washer	1
-6	0541146	. Spacer	1
-7	0541141	. Plate - Lock (serial 20267 thru 24999)	1
	0541141-1	. Plate - Left lock (serial 25000 & on)	1
	0541141-2	. Plate - Right lock (serial 25000 & on)	1
-8	0541139	. Plug - Filler	1
-9	0541151	. Cover - Master cylinder	1
-10	0541149	. Sleeve - Piston rod	1
-11	0541147	. Body - Master cylinder	1
-12	AN565D6-3	. Screw - Set	1
-13	0541148	. Spring - Piston return	1
	0541138-5	. Piston Assembly - Master cylinder	1
-14	0541144	. . Rod - Piston	1
-15	0541143	. . Piston - Master cylinder	1
-16	200AC-6	. . Lock-O-Seal - Piston rod	1
-17	AN6227-8	. . O-Ring - Piston	1
-18	0541148-1	. . Spring - Piston (serial 20530 & on)	1
-19	AN365-632C	. . Nut - Piston	1
	3539-14-00	* Spring - Steel (serial 20267 thru 20529)	1
	AN960-6	* Washer - Piston (serial 20267 thru 20529)	1

*Note
These items are not available as spares.

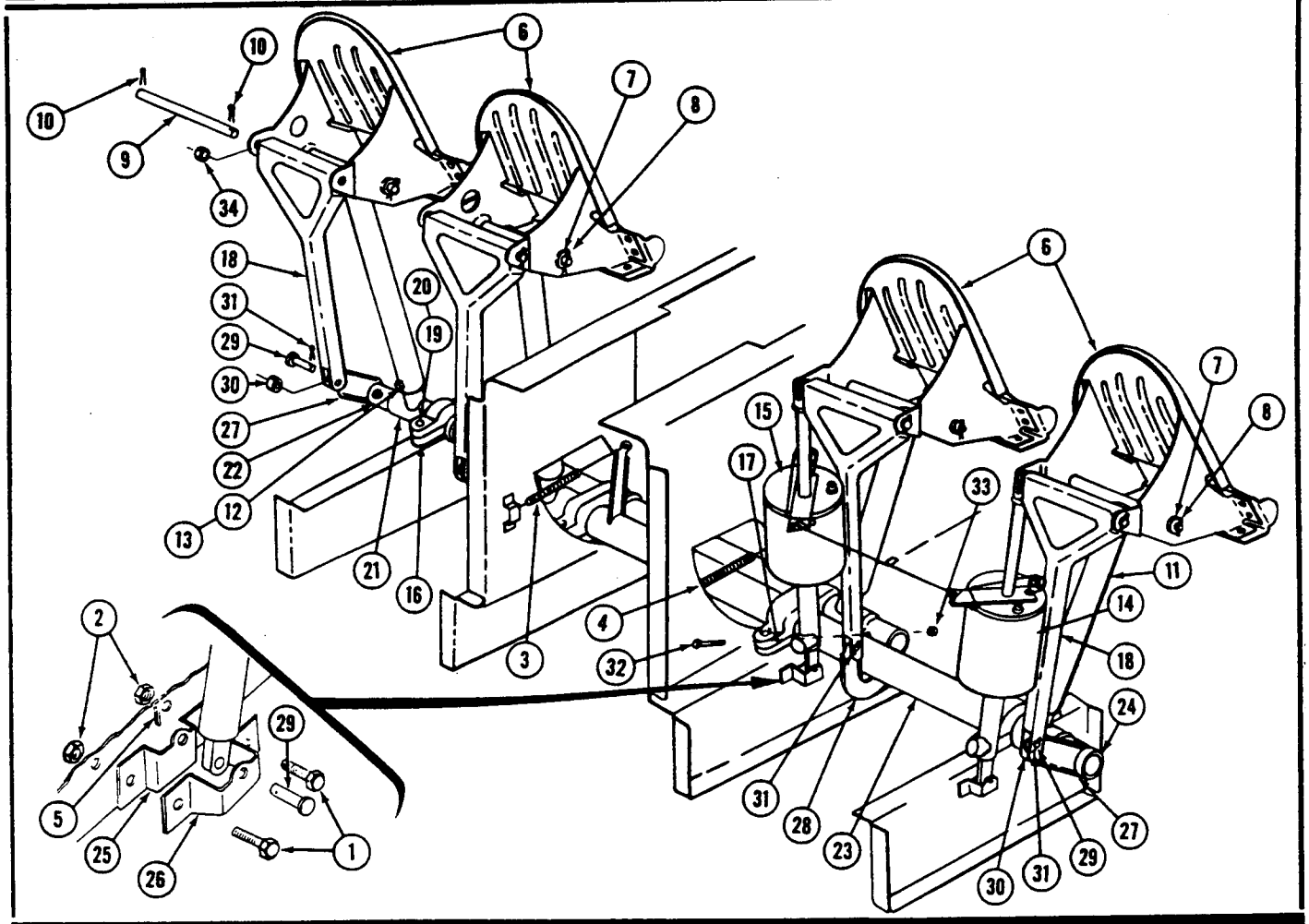

FIGURE 60. BRAKE AND RUDDER PEDAL INSTALLATION (SERIAL 20267 THRU 26995)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
60-	No Number	Pedal Installation - Rudder and brake (0510401 Ref) (serial 20267 thru 26995) (see figure 1 for NHA)	Ref
-1	AN3-4A	. Bolt - (Attach brake cylinder bracket)	4
-2	AN365-1032	. Nut - (Attach brake cylinder bracket)	4
-3	0310196-3	. Spring - Brake and rudder return right	1
-4	0310196-4	. Spring - Brake and rudder return left	1
-5	AN380-2-2	. Pin - Cotter	2
	No Number	. Pedal Assembly - Brake and rudder	1
-6	0310452	. . Pedal - Brake and rudder (serial 20267 thru 20609)1	4
	0310453	. . Pedal - Brake and rudder (serial 20610 thru 26995)	4
-7	0411369-2	. . Shaft - (Attach pedals)	2
-8	AN380-3-4	. . Pin - Cotter	4
-9	0411778-2	. . Shaft - (Attach master cylinder to pedal)	2
-10	AN380-2-2	. . Pin - Cotter	8
-11	0411307	. . Arm - Rudder bar	2
-12	AN3-11A	. . Bolt - (Attach rudder bar)	2
-13	AN365-1032	. . Nut - (Attach rudder bar)	2
-14	0541138-1	. . Cylinder - Master brake left (serial 20267 thru 24999) (see fig. 59 for bkdn)	1
-15	0541138-2	. . Cylinder - Master brake right (serial 20267 thru 24999) (see fig. 59 for bkdn)	1
	0541138-7	. . Cylinder - Master brake left (serial 25000 thru 26995) (see fig. 59 for bkdn)	1
	0541138-6	. . Cylinder - Master brake right (serial 25000 thru 26995) (see fig. 59 for bkdn)	1
-16	0411263	. . Bearing - Rudder pedal outboard	1
-17	0411264	. . Bearing - Rudder pedal inboard	1
-18	0411564	. . Link - Dual brakes	4
-19	AN3-14A	. . Bolt - (Attach bearing)	4

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
60-20	AN365-1032	Nut - (Attach bearing)	4
-21	0411548	Bearing - Rudder bar	4
-22	0411306-1	Weld Assembly	1
-23	0411306	Weld Assembly - Rudder	1
-24	0411565	Tube - Brake	1
-25	0411549	Bracket - Brake cylinder inside	2
-26	0411550	Bracket - Brake cylinder outside	2
-27	0411563	Bellcrank Assembly - Rudder bar	3
-28	0411573	Bellcrank Assembly - Rudder bar	1
-29	AN393-15	Pin - Flat head (attach link)	6
-30	NAS43-3-12	Spacer - (Attach link)	4
-31	AN380-2-2	Pin - Cotter	4
-32	AN3-10A	Bolt - (Attach bellcrank)	4
-33	AN365-1032	Nut - (Attach bellcrank)	4
-34	NAS42-6-8	Spacer	2

ORDER BY PART NUMBER AND NAME — SERIAL NUMBER AND COLOR IF APPLICABLE

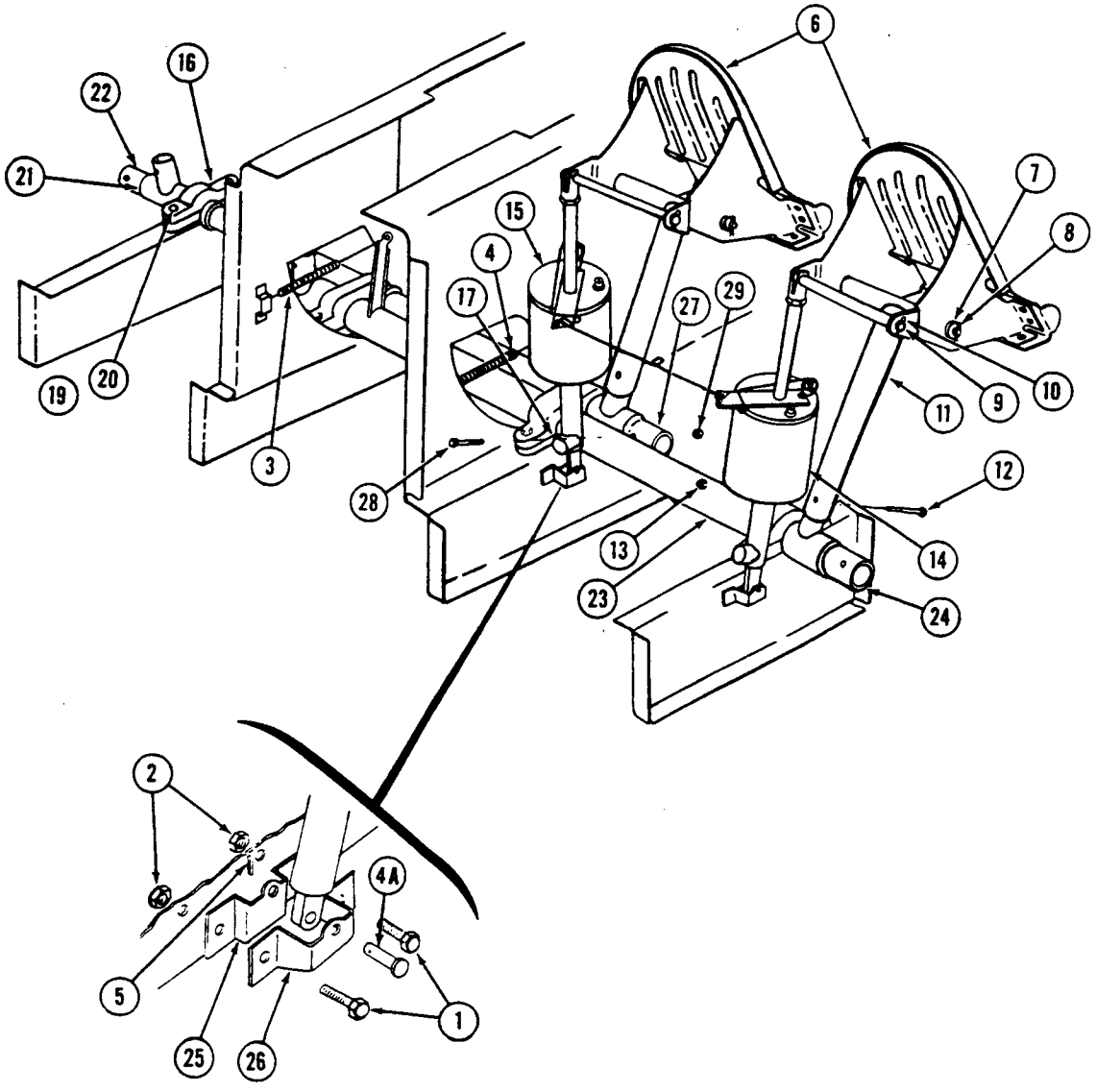

FIGURE 60A. BRAKE AND RUDDER PEDAL INSTALLATION (SERIAL 26996 AND ON)

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
60A-	No Number	Pedal Installation - Rudder and brake (see figure 1 for NHA) (serial 20996 & on)	Ref
-1	AN3-4A	Bolt - (Attach brake cylinder bracket)	4
-2	AN365-1032	Nut - (Attach brake cylinder bracket)	4
-3	0310196-3	Spring - Brake and rudder return right	1
-4	0310196-4	Spring - Brake and rudder return left	1
-4A	AN393-15	Pin - Flathead (attach brake cylinder)	2
-5	AN380-2-2	Pin - Cotter	4
	No Number	Pedal Assembly - Brake and rudder	1
-6	0310453	. Pedal - Brake and rudder	2
-7	0411369-2	. Shaft - (Attach pedals)	2
-8	AN380-3-4	. Pin - Cotter	4
-9	0411778-2	. Shaft - (Attach master cylinder to pedals)	2
-10	AN380-2-2	. Pin - Cotter	4
-11	0411307	. Arm - Rudder Bar	2
-12	AN3-11A	. Bolt - (Attach rudder bar)	2
-13	AN365-1032	. Nut - (Attach rudder bar)	2
-14	0541138-7	. Cylinder - Master brake left	1
-15	0541138-6	. Cylinder - Master brake right	1
-16	0411263	. Bearing - Rudder pedal outboard	1
-17	0411264	. Bearing - Rudder pedal inboard	1
-18	Deleted	.	
-19	AN3-14A	. Bolt - (Attach bearings)	4
-20	AN365-1032	. Nut - (Attach bearings)	4
-21	0411548	. Bearing - Rudder bar	4
-22	0411306-1	. Weld Assembly	1
-23	0411306	. Weld Assembly - Rudder	1
-24	0411565	. Tube - Brake	1
-25	0411549	. Bracket - Brake cylinder inside	2
-26	0411550	. Bracket - Brake cylinder inside	2
-27	0511562	. Hub	4
-28	AN3-10A	. Bolt - (Attach hub)	2
-29	AN365-1032	. Nut - (Attach hub)	2

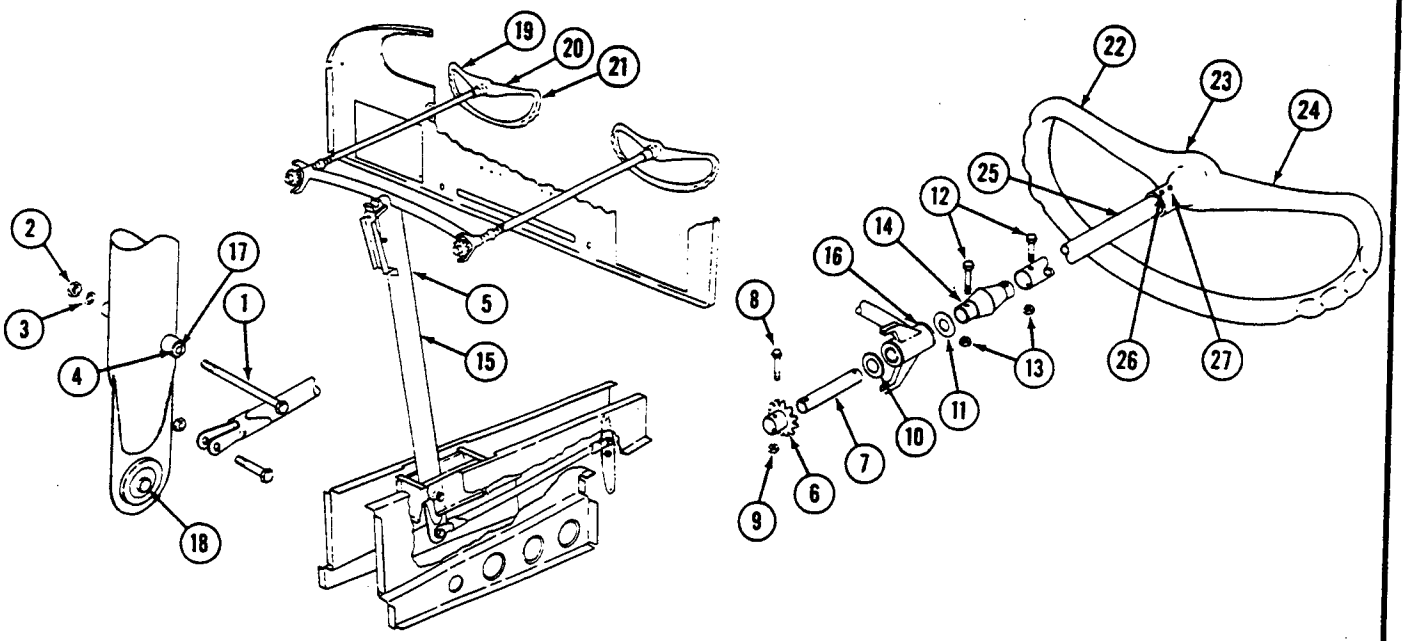

FIGURE 61. CONTROL TEE INSTALLATION (SERIAL 20267 THRU 26995)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
61-	No Number	Tee Installation - Control (0513000 Ref.) (see figure 1 for NHA) (serials 20267 thru 26995)	Ref
-1	AN4-31A	. Bolt - (Control tee lower)	1
-2	AN365-428	. Nut - (Control tee lower)	1
-3	AN960-416L	. Washer - (Control tee lower)	1
-4	S-18-30	. Bushing - (Control tee lower)	1
-5	0411221-3	. Tee Assembly - Control	1
-6	0411047	. . Sprocket - Aileron chain	2
-7	0411255	. . Shaft - Control tee	2
-8	AN3-11A	. . Bolt - (Attach sprocket)	2
-9	AN365-1032	. . Nut - (Attach sprocket)	2
-10	AN960-816	. . Washer	2
-11	AN960-A816L	. . Washer	2
-12	AN3-10A	. . Bolt - (Attach universal joint)	AR
-13	AN365-1032	. . Nut - (Attach universal joint)	2
-14	0411257	. . Joint - Universal	2
-15	0411326-3	. . Machine Assembly - Control tee	2
-16	F-620	. . . Bushing - Oilite	1
-17	B-610	. . . Bearing - (Torrington)	4
-18	AN200KP4	. . . Bearing - (Fafnir)	2
-19	0413016-1	. Wheel Assembly - Control (serial 20267 thru 25372)	1
-20	0413016-4	. Wheel Assembly - Control (serial 25373 thru 26504)	2
-21	0413016-6	. Wheel Assembly - Control (serial 26505 thru 26995)	2
-22	0413016-2	. . Wheel - Control (serial 20267 thru 25372)	2
-23	0413016-3	. . Wheel - Control (serial 25373 thru 26504)	1
-24	0413016-5	. . Wheel - Control (serial 26505 thru 26995)	1
-25	0413213-1	. . Tube - Control	1
-26	0413216-1	. . Rivet - (Attach wheel at tube)	1
-27	0413216	. . Rivet - (Attach wheel at tube)	1

ILLUSTRATED PARTS CATALOG

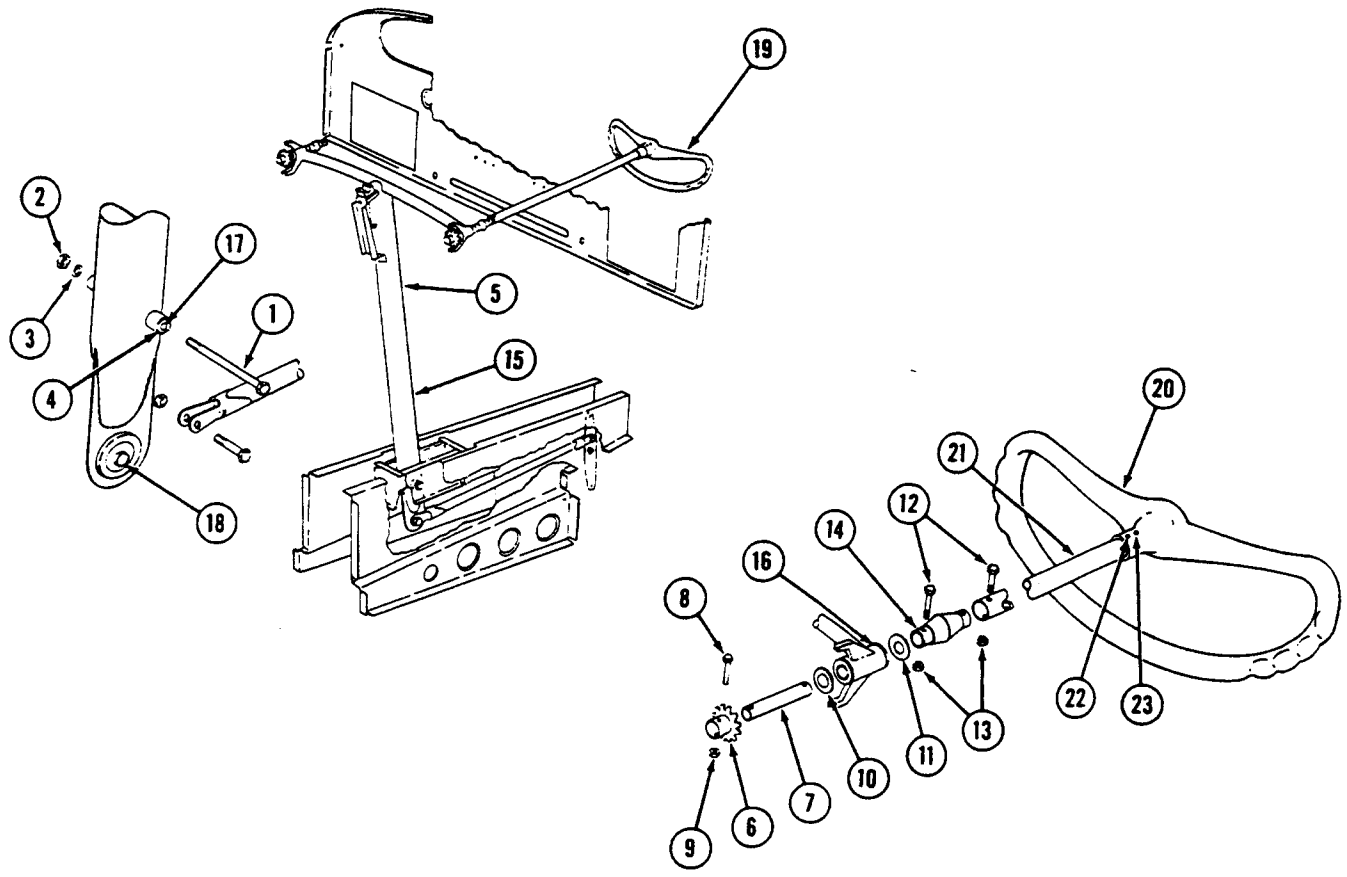

FIGURE 61A. CONTROL TEE INSTALLATION (SERIAL 26996 AND ON)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
61A-	N0 Number	Tee Installation - Control (see figure 1 for NHA) (serial 26996 & on)	Ref
-1	AN4-31A	. Bolt - (Control tee lower)	1
-2	AN365-428	. Nut - (Control tee lower)	1
-3	AN960-416L	. Washer - (Control tee lower	1
-4	S-18-30	. Bushing - (Control tee lower	1
-5	0411221-3	. Tee Assembly - Control	1
-6	0411047	. . Sprocket - Aileron chain	2
-7	0411255	. . Shaft - Control tee	2
-8	AN3-11A	. . Bolt - (Attach sprocket)	2
-9	AN365-1032	. . Nut - (Attach sprocket)	2
-10	AN960-816	. . Washer	2
-11	AN960-A816L	. . Washer	AR
-12	AN3-10A	. . Bolt - (Attach universal joint)	3
-13	AN365-1032	. . Nut - (Attach universal joint)	3
-14	0411257	. . Joint - Universal	2
-15	0411326-3	. . Machine Assembly - Control tee	1
-16	F-620	. . . Bushing - Oilite	4
-17	B-610	. . . Bearing - Torrington	2
-18	AN200-KP4	. . . Bearing - Fafnir	1
-19	0513127	. Wheel Assembly - Control	1
-20	0513127-2	. . Wheel - Control	1
-21	0413213-1	. . Tube - Control	1
-22	0413216-1	. . Rivet - (Attach wheel to tube)	1
-23	0413216	. . Rivet - (Attach wheel to tube)	1

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ILLUSTRATED PARTS CATALOG

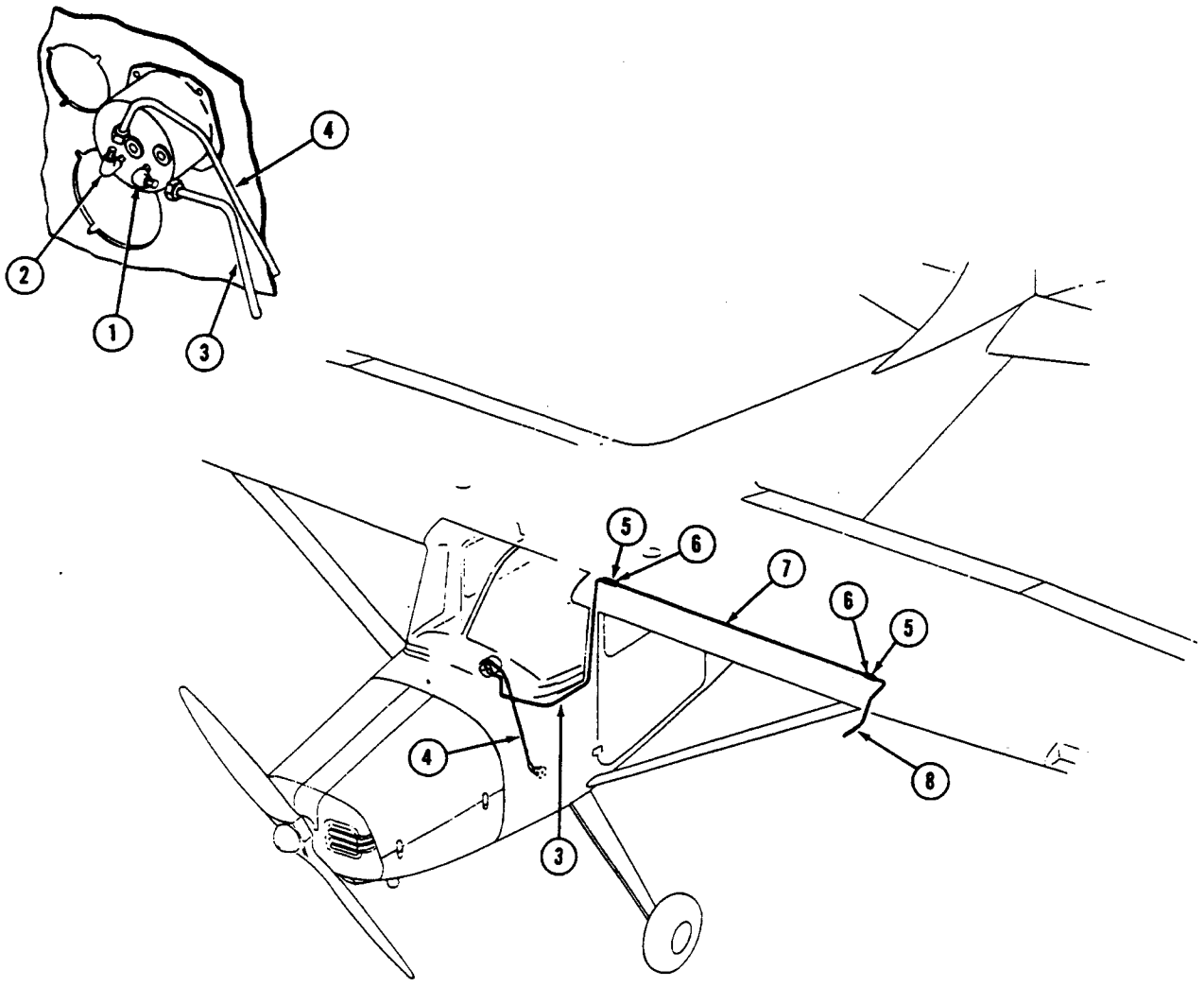

FIGURE 62. PITOT SYSTEM

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
62-	No Number	System Installation - Pitot (0500205 Ref.) (see figure 1 for NHA)	Ref
-1	AN823-4D	. Elbow - (Pitot line to airspeed)	1
-2	AN822-4D	. Elbow - (Static line to airspeed) (serial 20267 thru 25372)	1
	AN823-4D	. Elbow - (Static line to airspeed) (serial 25373 & on)	1
-3	0500106-47	. Line - Pitot (serial 20267 thru 25372)	1
	0500106-125	. Line - Pitot (serial 25373 & on)	1
-4	0500106-48	. Line - Pitot static (serial 20267 thru 25372)	1
	0500106-120	. Line - Pitot static (serial 25373 & on)	1
-5	S-51-4-12	. Hose - Pitot line	2
-6	NAS397-10	. Clamp -(Tinnerman A3122-10-59)	2
-7	0500106-54	. Line - Pitot (wing root to pitot tube)(see figure 3)	Ref
-8	0500106-53	. Tube - Pitot (see figure 3)	Ref

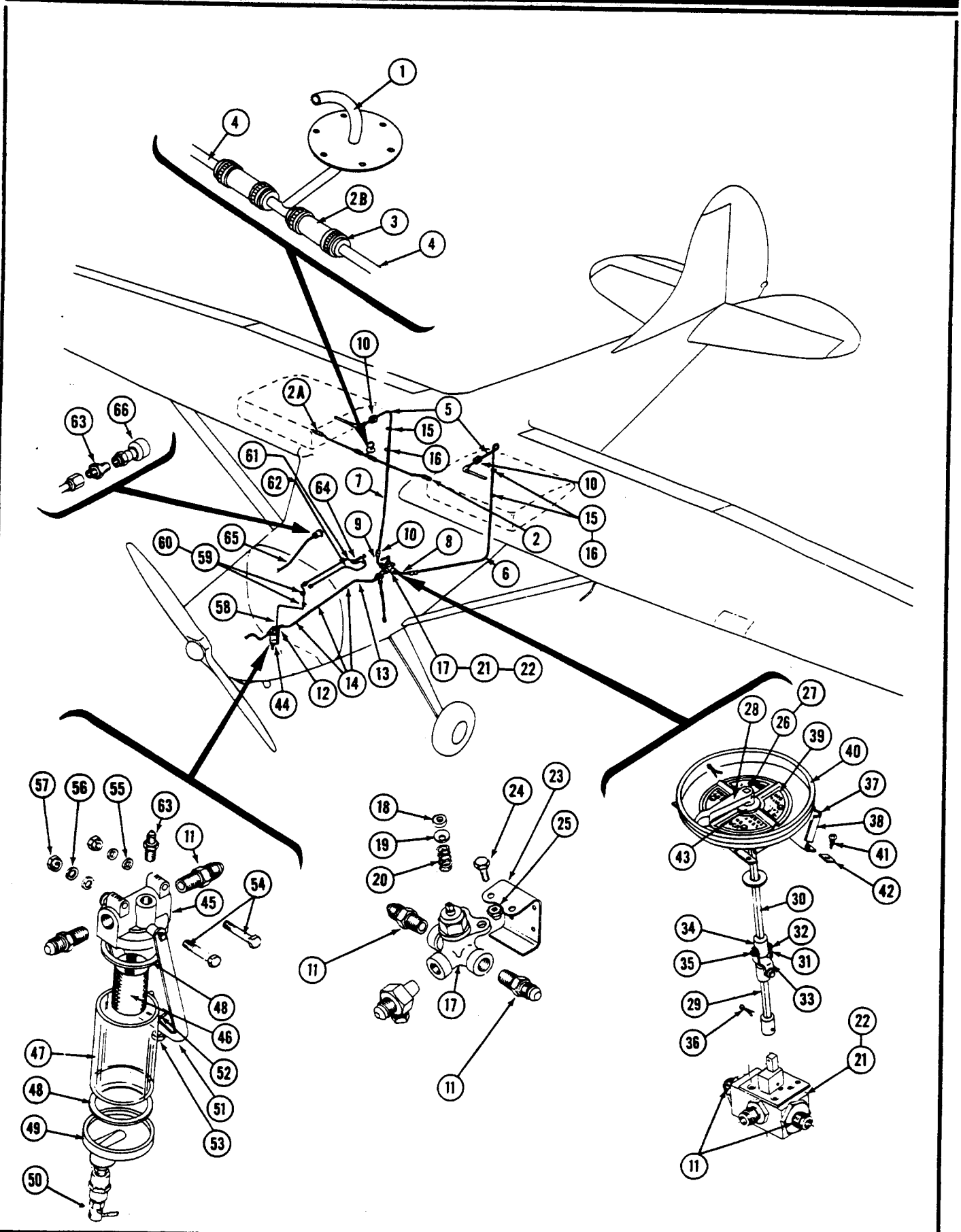

FIGURE 63. FUEL AND OIL SYSTEM

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER		DESCRIPTION	UNITS PER ASS'Y
63-	No Number		System Installation - Fuel & oil (0500205 Ref.) (see figure 1 for NHA)	Ref
-1	0511118		. Vent - Fuel tank (see figure 18)	Ref
-2	S-51-6-12		. Hose - (Vent line to tank left)	1
-2A	S-51-6-8		. Hose - (Vent line to tank right)	1
-2B	S-51-6-9		. Hose - (Vent to vent line)	2
-3	NAS397-12		. Clamp - (Tinnerman #A3122A-12-59)	8
-4	0500106-68		. Line - Fuel vent	2
-5	0500106-83		. Line - Fuel (fuel tank to adapter)	2
-6	0500106-82		. Line - Fuel (left fuel tank to selector valve)	1
-7	0500106-81		. Line - Fuel (right fuel tank to selector valve)	1
-8	0500106-62		. Line - Fuel (left fuel tank to selector valve)	1
-9	0500106-63		. Line - Fuel (right fuel tank to selector valve)	1
-10	AN815-6D		. Union - (Connect fuel lines)	5
-11	AN816-6D		. Nipple - (Fuel selector valve & strainer)	4
-12	0500106-60		. Line - (Fuel selector valve to strainer) (forward)	1
-13	0500106-89		. Line - (Fuel selector valve to strainer) (aft)	1
-14	AN931-6-16		. Grommet	3
-15	NAS434D6		. Clamp - Tinnerman (#A2981A-6)	4
-16	PK76XZ-8-8		. Screw - (Attach clamp)	4
-17	0413020-3		. Valve Assembly - Fuel tank selector (serial 20267 thru 20285)	1
-18	0413020-4		. . Packing	1
-19	0413020-5		. . Spring - Top	1
-20	0413020-6		. . Spring	1
-21	Deleted		.	
-22	0513120-5		. Valve Assembly - Fuel tank selector (See figure 64 for breakdown)	1
-23	0511192		. Bracket - (Mount fuel selector valve)	1
-24	AN3-4A		. Bolt - (Attach bracket)	2
-25	AN365-1032		. Nut - (Attach bracket)	2
-26	0511157-7		. Handle Assembly - Fuel selector valve (serial 20267 thru 20285)	1
-27	0511157-13	*	. Handle Assembly - Fuel selector valve (serial 20286 & on)	1
-28	0513107		. . Handle - Fuel selector valve	1
	0511157-8		. . Shaft Assembly - Fuel selector valve (serial 20267 thru 20285)	1
	0511157-14	*	. . Shaft Assembly - Fuel selector valve (serial 20286 & on)	1
-29	0511157-4		. . . Shaft - (Serial 20267 thru 20285)	1
	0511157-11	*	. . . Shaft - (Serial 20286 & on)	1
-30	0511157-6		. . . Shaft - (Serial 20267 thru 25741)	1
	0511157-12		. . . Shaft - (Serial 25742 & on)	1
-31	0511194-3		. . . Pivot - (Serial 20267 thru 25741)	1
-32	0511194-4		. . . Pivot	2
-33	0511127		. . . Spacer	1
-34	AN960-6		. . . Washer	4
-35	0425134		. . . Pin	2
-36	AN380-2-4		. . Cotter Pin	1
-37	0511191		. Bracket Assembly - Fuel valve selector	1
-38	0511190		. . Bracket	1
-39	0511167		. . Plate - Etched	1
-40	0511198		. . Cup	1
-41	PK76XZ-8-6		. Screw - (Attach bracket)	2
-42	NAS395-18-3		. Nut - (Tinnerman #1787-8Z-3) (attach bracket)	4
-43	0511195		. Guide - Fuel selector valve shaft	2
-44	0511199-19		. Strainer Assembly - Fuel (Koehler #K2250B)	1
-45	0511199-2		. . Body Assembly - Fuel strainer (Koehler #2253A)	1
-46	0511199-4		. . Screen - (Koehler #2205A)	1
-47	0511199-5		. . Glass Bowl - (Koehler #2255A)	1
-48	0511199-6		. . Gasket - (Koehler #2215A)	2
-49	0511199-7		. . Cap - (Koehler #2251A)	1
-50	0511199-20		. . Valve - Drain (Curtis CCA-7450)	1
	AN910-1D		. . Coupling - Drain valve	1
	AN911-1D		. . Nipple - Drain valve	1
-51	0511199-3		. . Arm Assembly - (Koehler #2252B)	1
-52	0511199-16		. . Nut - (Koehler #2219A)	1
-53	0511199-11		. . Screw - Hex head (Koehler 1/4-28 x 3/4)	1
-54	AN4-14A		. Bolt - (Attach fuel strainer)	2
-55	NAS43-4-6		. Spacer	2
-56	AN960-416L		. Washer	2
-57	AN365-428		. Nut - (Attach fuel strainer)	2
-58	0500106-59		. Line - Primer (strainer to firewall)	1
-59	AN742D2		. Clamp - (Tinnerman #A2989A-2)	2
-60	PK76XZ-8-6		. Screw - (Attach clamp)	2
-61	0500106-79		. Line - Primer (firewall to primer right) (serial 20267 thru 25741)	1
	0500106-121		. Line - Primer (firewall to primer right) (serial 25742 & on)	1

NOTE: * When ordering any of these items for airplanes serial 20286 thru 25741, Part No. 0513124-2 (item, 1 figure 64) must also be ordered.

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
63-62	0500106-80	. Line - Primer (firewall to primer left) (serial 20267 thru 25741)	1
	0500106-122	. Line - Primer (firewall to primer left) (serial 25742 & on)	1
-63	AN816-2D	. Nipple	3
-64	0413215	. Primer Assembly - Engine (see figure 37 for NHA)	Ref
	0413215-1	. Primer Assembly - Engine (see figure 42 for NHA)	Ref
	0311538-8	. Primer Assembly - Engine (see figures 42A & 42B for NHA)	Ref
-65	0500106-20	. Line - Oil pressure (firewall to oil pressure gage)	1
-66	AN910-1D	. Coupling	1
	0513022-1	. Decal - Drain valve	1

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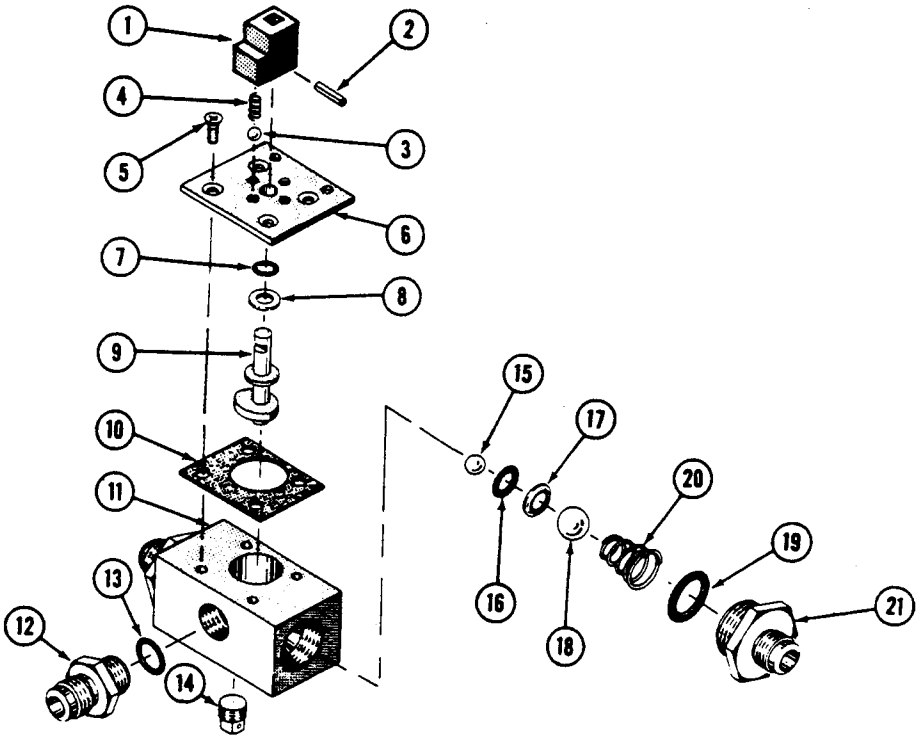


FIGURE 64. FUEL SELECTOR VALVE ASSEMBLY

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
64-	Deleted		
	0513120-5 *	Valve Assembly - Fuel tank selector (see figure 63 for NHA)	Ref
-1	Deleted		
	0513124-2	. Housing - Positioning ball & spring	1
-2	52-028-125-0500	. Rollpin - Esna (Elastic Stop Nut Corp)	1
-3	S-272-207	. Ball - Fuel valve	1
-4	0513120-1	. Spring - Fuel valve	1
-5	AN507-632-6	. Screw - (Attach cover)	4
-6	0513122	. Cover - Fuel valve	1
-7	AF934-5	. O-Ring	1
-8	AN960C416L	. Washer	1
-9	0513123	. Cam - Fuel valve	1
-10	0513125	. Gasket - Fuel valve cover	1
-11	0513121	. Body - Fuel valve	1
-12	0513126	. Nipple - Fuel valve	1
-13	AF934-9	. O-Ring - Fuel valve	1
-14	AN913-1D	. Plug - Fuel valve	1
-15	S-272-209	. Ball - Fuel valve	1
-16	AF934-7	. O-Ring - Fuel valve	2
-17	0513120-4	. Retainer - Fuel valve	2
-18	S-272-215	. Ball - Fuel valve	2
-19	AF934-14	. O-Ring - Fuel valve	2
-20	0513120-2	. Spring - Fuel valve	2
-21	0513120-3	. Nipple - Spring retainer	2

NOTE: When ordering 0513120-5 for serials 20267 thru 25741, check that shaft assembly 0511157-14 (item 28, figure 63) is in airplane, if not this part must also be ordered.

ILLUSTRATED PARTS CATALOG

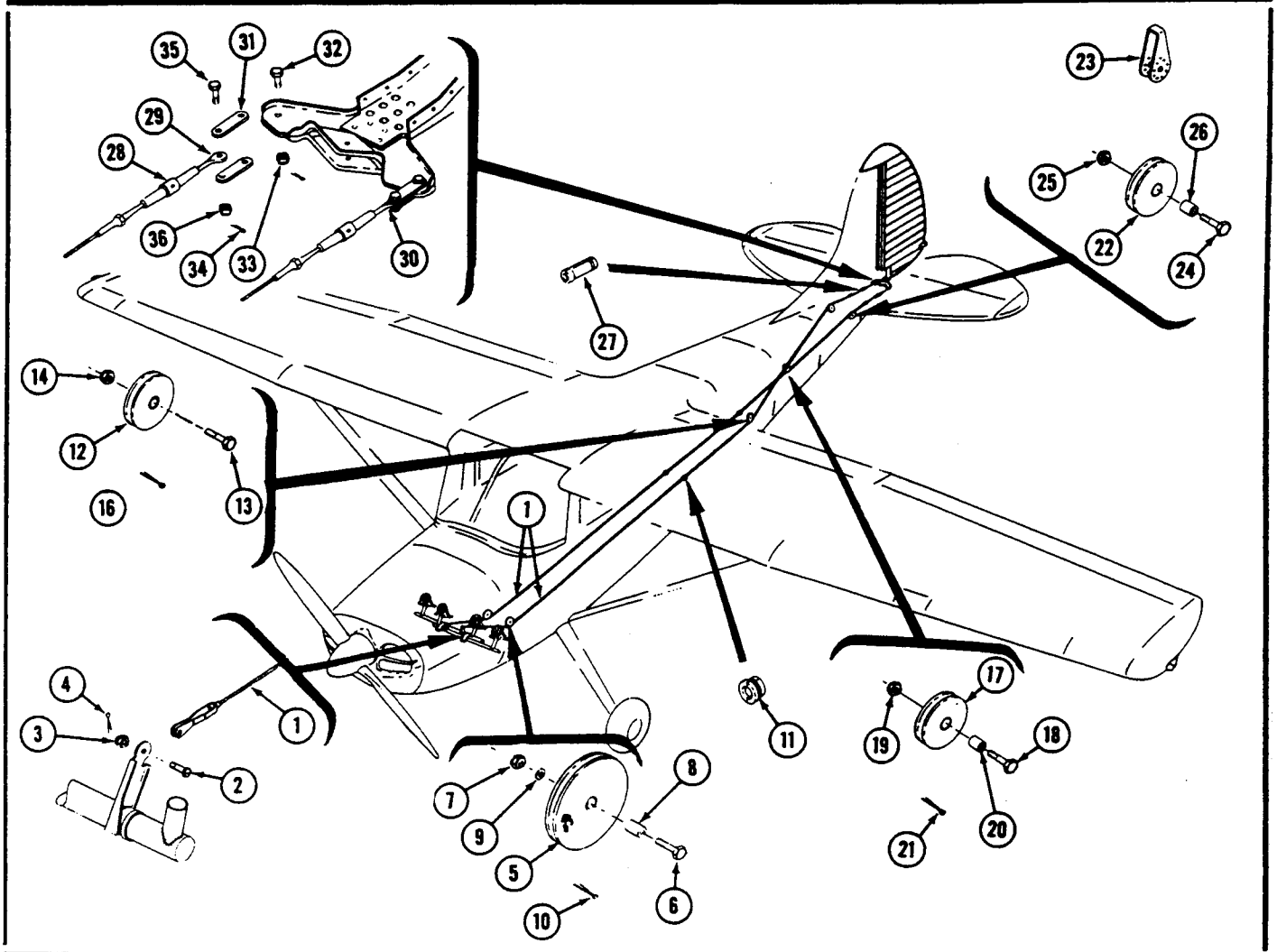


FIGURE 65. RUDDER CONTROL SYSTEM

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
65-	No Number	System Installation - Rudder control (0510102 Ref.) (see figure 1 for NHA)	Ref
-1	0510105-1	Cable - Rudder control	2
-2	AN23-10	Bolt - (Attach cable to rudder bar)	2
-3	AN310-3	Nut - (Attach cable to rudder bar)	2
-4	AN380-2-3	Pin - Cotter (attach cable to rudder bar)	2
-5	A-114	Pulley - Rudder (outboard)	2
	AN380-4-5	Pin - Cotter (cable guard)	2
-6	AN4-14A	Bolt - (Attach pulleys) (see figure 66)	Ref
-7	AN365-428	Nut - (Attach pulleys) (see figure 66)	Ref
-8	0411489	Bushing - (Attach pulleys) (see figure 66)	Ref
-9	AN960-416L	Washer - (Attach pulleys) (see figure 66)	Ref
-10	AN380-4-5	Pin - Cotter (cable guard)	1
-11	0412006	Fairlead - Rudder cable	3
-12	BB-208	Pulley - Rudder cable (Sta. 140.0)	1
-13	AN4-10A	Bolt - (Attach pulley)	1
-14	AN365-428	Nut - (Attach pulley)	1
-15	Deleted		
-16	AN380-2-4	Pin - Cotter (cable guard)	1
-17	BB-208	Pulley - Rudder cable (Sta. 172.0)	1
-18	AN4-10A	Bolt - (Attach pulley)	1
-19	AN365-428	Nut - (Attach pulley)	1
-20	Deleted		
-21	AN380-2-4	Pin - (Cotter) (cable guard)	1

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
65-22	NAS383-3	Pulley - Rudder pulley (rear)	2
-23	0411421-2	Guard - Rudder pulley	1
-24	AN4-10A	Bolt - (Attach pulley)	2
-25	AN365-428	Nut - (Attach pulley)	2
-26	NAS382-2	Bushing - (Attach pulley)	2
-27	#6	Fairlead - (Formica)	2
-28	AN155-32S	Barrel	2
-29	AN165-22S	Eye	1
-30	AN165-22L	Eye	1
-31	0310219-2	Link - (Attach turnbuckle to rudder bellcrank)	4
-32	AN23-9	Bolt - (Attach link to bellcrank)	2
-33	AN310-3	Nut - (Attach link to bellcrank)	2
-34	AN380-2-3	Pin - Cotter	4
-35	AN23-11	Bolt - (Attach link to turnbuckle)	2
-36	AN310-3	Nut - (Attach link to turnbuckle)	2

ORDER BY PART NUMBER AND NAME

SERIAL NUMBER AND COLOR IF APPLICABLE

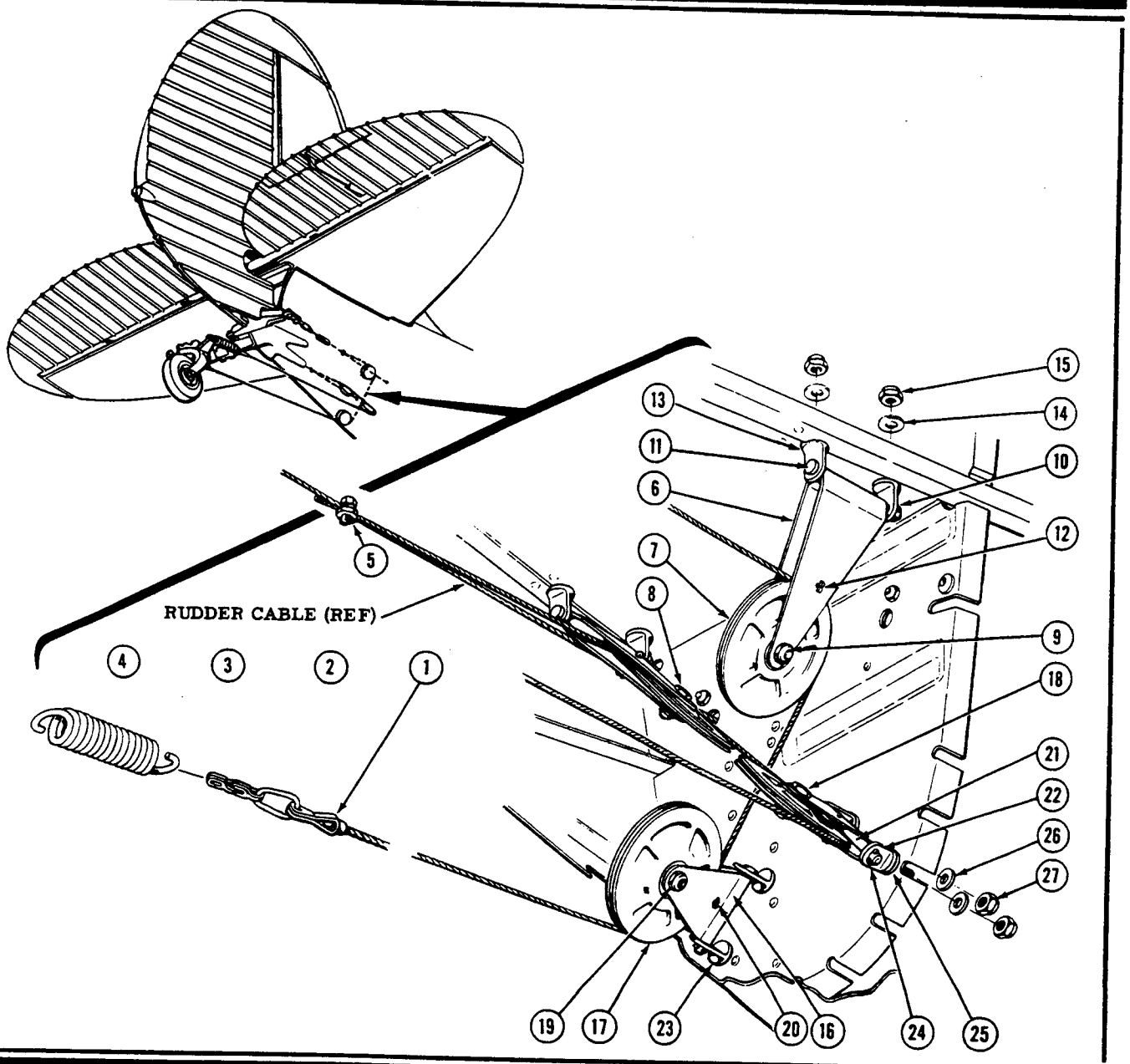


FIGURE 65A. TAILWHEEL STEERING CONTROL SYSTEM (SERIAL 26505 & ON)

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
65A-	No Number	System Installation - Tailwheel Steering Control (0510102 Ref.)(see figure 1 for NHA) (serial 26505 & on)	Ref
-1	0510105-38	. Cable Assembly - Tailwheel steering control	2
-2	0442008	. Spring Assembly - (Connect spring to clip)	2
-3	Deleted		
-4	Deleted		
-5	8-H	. Connector - (Connect tailwheel control cable to rudder control cable)	2
-6	0512161-1	. Bracket - Tailwheel steering control upper pulley	2
-7	AN210-4A	. Pulley - Tailwheel steering control upper	2
-8	AN4-7A	. Bolt - (Attach pulley to upper bracket)	2
-9	AN365-428	. Nut - Self-locking (attach pulley to upper bracket)	2
-10	AN380-2-4	. Pin - Cotter	2
-11	AN394-93	. Pin - (Connect upper brackets to eyebolts)	2
-12	AN380-2-1	. Pin - Cotter	4
-13	AN44-4A	. Eyebolt - (Attach upper bracket to bulkhead)	4
-14	AN960-516	. Washer - (Attach upper bracket to bulkhead)	4
-15	AN365-524	. Nut - Self-locking (attach upper bracket to bulkhead)	2
-16	0512161	. Bracket - Tailwheel steering control lower pulley	2
-17	AN210-4A	. Pulley - Tailwheel steering control lower	2
-18	AN4-7A	. Bolt - (Attach pulley to lower bracket)	2
-19	AN365-428	. Nut - Self-locking (attach pulley to lower bracket)	2
-20	AN380-2-4	. Pin - Cotter	2
-21	AN394-81	. Pin - (Connect lower brackets to bulkhead)	2
-22	AN380-2-1	. Pin - Cotter	2
-23	AN44-4A	. Eyebolt - (Attach lower LH bracket to bulkhead)	2
-24	AN44-6A	. Eyebolt - (Attach lower RH bracket to bulkhead)	2
-25	NAS42-10-16	. Spacer - (Install between lower RH eyebolts and bulkhead)	4
-26	AN960-516	. Washer - (Attach lower brackets to bulkhead)	4
-27	AN365-524	. Nut - Self-locking (attach lower brackets to bulkhead)	

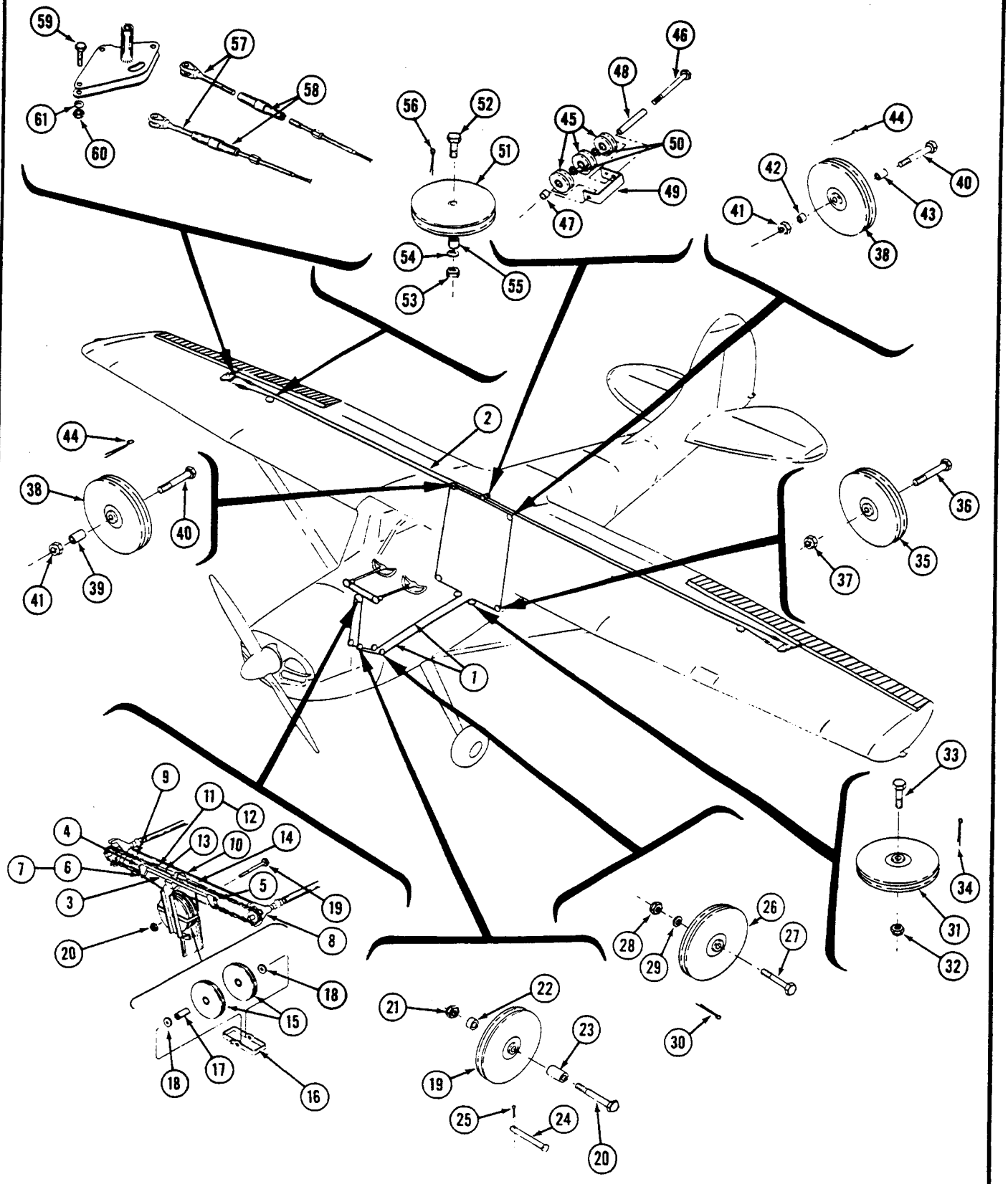


FIGURE 66. AILERON CONTROL SYSTEM

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
66-	No Number	System Installation - Aileron control (0510102 Ref.) (see figure 1 for NHA)	Ref
-1	0510105-16	. Cable - Aileron control(control tee to bellcrank)	2
-2	0510105-13	. Cable - Aileron carry thru	1
-3	0411880	. Bar Assembly - Aileron carry thru	1
-4	0411881	. Tube Assembly - Aileron carry thru	1
-5	AN365-428	. Nut	1
-6	AN392-17	. Pin - Clevis	2
-7	AN380-2-1	. Pin - Cotter	2
-8	0411051	. Chain Assembly	1
-9	0411051-4	. . Chain	2
-10	AN155-32S	. . Barrel - Turnbuckle	1
-11	AN392-17	. . Pin - Flathead	2
-12	AN380-2-1	. . Pin - Cotter	2
-13	NAS288-35LH	. . Terminal	1
-14	NAS288-35RH	. . Terminal	1
-15	NAS383-4	. Pulley - Aileron forward	2
-16	0411232	. Pulley Guard	1
-17	0411521	. Bushing - Aileron control pulley	1
-18	AN960-416	. Washer - Aileron control pulley	2
-19	AN210-4B	. Pulley - Aileron forward lower	2
-20	AN4-21A	. Bolt - (Attach pulley)	2
-21	AN365-428	. Nut - (Attach pulley)	2
-22	0510136	. Spacer - Aileron pulley	2
-23	0510137	. Spacer - Aileron pulley	2
-24	AN392-57	. Pin - Flathead (cable guard)	2
-25	AN380-2-1	. Pin - Cotter	2
-26	AN210-4B	. Pulley - (Type "B")	2
-27	AN4-14A	. Bolt - (Attach pulley)	2
-28	AN365-428	. Nut - (Attach pulley)	4
-29	AN960-416L	. Washer	2
-30	AN380-4-5	. Pin - Cotter (cable guard)	2
-31	AN210-4B	. Pulley - (Type "B")	2
-32	AN365-428	. Nut	2
-33	AN4-10A	. Bolt	4
-34	AN380-2-4	. Pin - Cotter (cable guard)	2
-35	AN210-4B	. Pulley - (Type "B")	2
-36	AN4-21A	. Bolt - (Attach pulley)	2
-37	AN365-428	. Nut - (Attach pulley)	2
-38	AN210-4B	. Pulley	1
-39	NAS43-4-42	. Spacer - (Right side only)	2
-40	AN-15A	. Bolt	2
-41	AN365-428C	. Nut	1
-42	NAS43-4-16	. Spacer - (Left side only)	1
-43	NAS43-4-28	. Spacer - (Left side only)	4
-44	AN380-2-6	. Pin - Cotter	3
-45	F-140	. Pulley	1
-46	AN3-21A	. Bolt	1
-47	NAS43-4-16	. Spacer	1
-48	0512138	. Bushing	1
-49	0512136	. Guard	2
-50	AN960-416	. Washer	Ref
-51	NAS383-3	. Pulley - (One req'd each wing) (see figure 2 & 7)	Ref
-52	AN4-10A	. Bolt - (One req'd each wing) (see figure 2 & 7)	Ref
-53	AN365-428	. Nut - (One req'd each wing) (see figure 2 & 7)	Ref
-54	AN960-10L	. Washer - (One req'd each wing) (see figure 2 & 7)	Ref
-55	NAS382-2	. Bushing (One req'd each wing) (see figure 2 & 7)	1
-56	AN380-2-3	. Pin - Cotter	3
-57	AN161-32LL	. Fork	3
-58	AN155-32L	. Barrel - Turnbuckle	4
-59	AN3-10A	. Bolt - (Attach fork)	4
-60	AN365-1032	. Nut - (Attach fork)	4
-61	AN960-10L	. Washer	

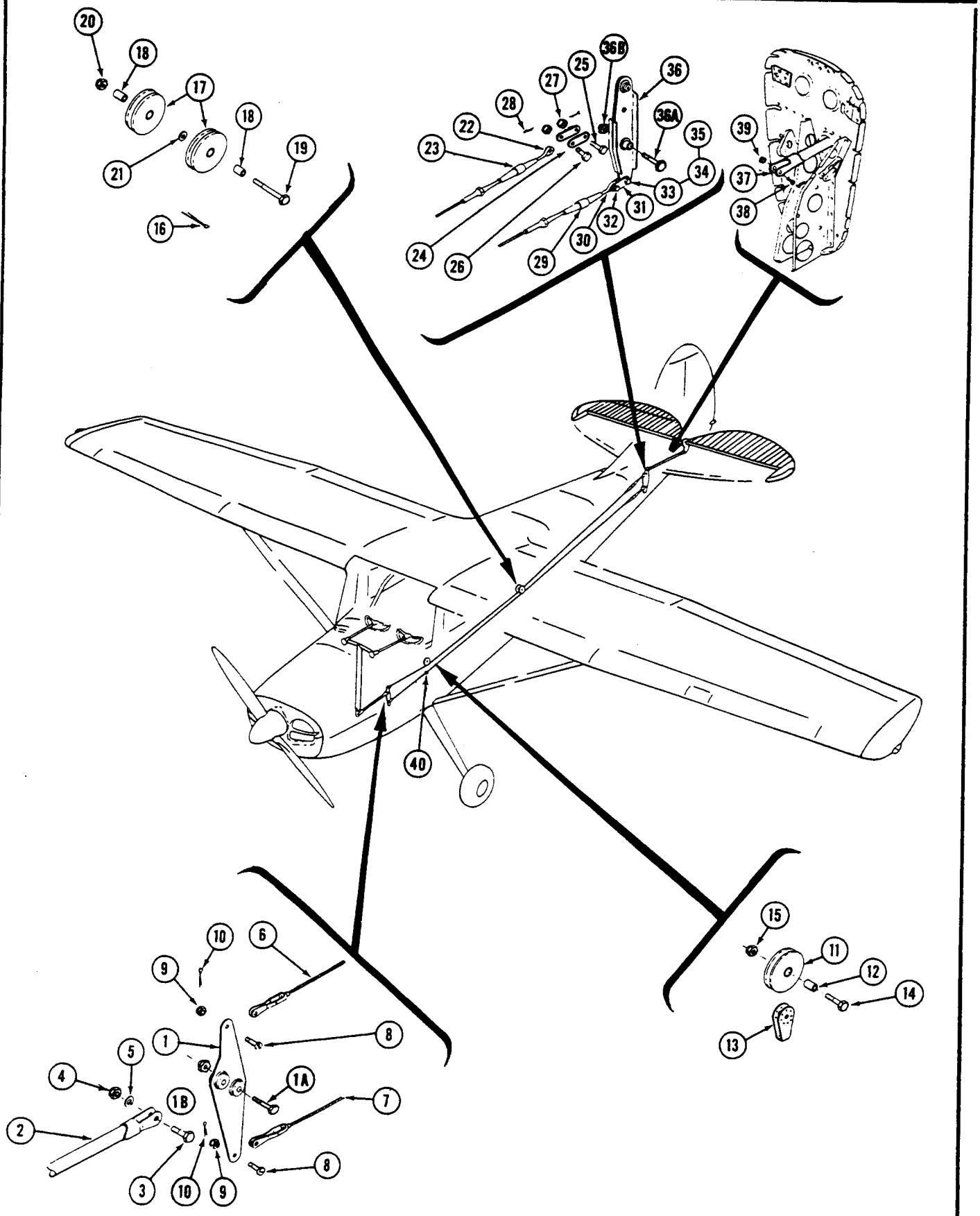
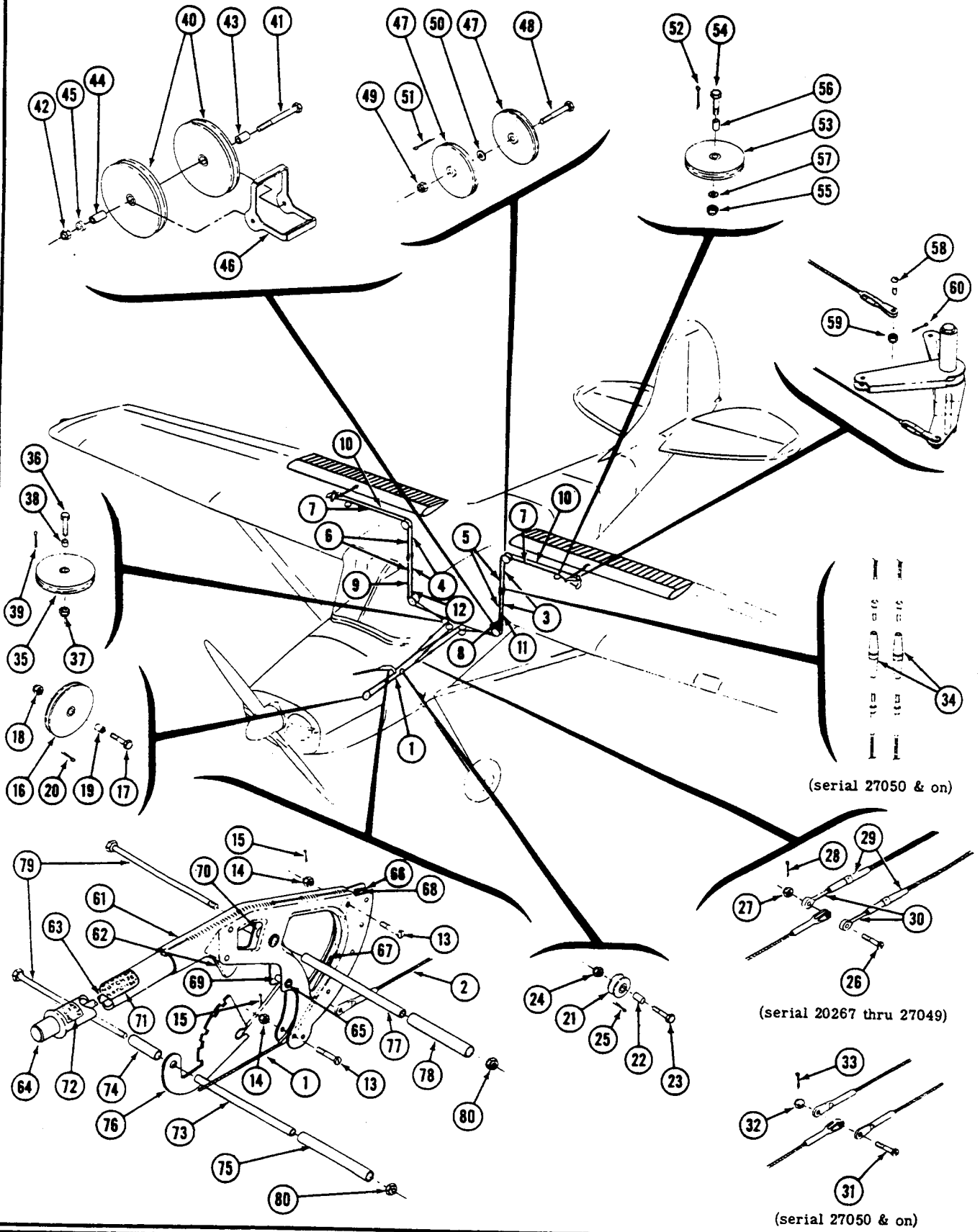


FIGURE 67. ELEVATOR CONTROL SYSTEM

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
67-	No Number	System Installation - Elevator control (0510102 ref) (see figure 1 for NHA)	Ref
-1	0510159	. Bellcrank - Elevator forward	1
-1A	AN4-10A	. Bolt - (Attach bellcrank)	1
-1B	AN365-428	. Nut - (Attach bellcrank)	1
-2	0510161	. Tube - (Attach bellcrank and control tee)	1
-3	AN4-10A	. Bolt - (Attach tube to bellcrank)	1
-4	AN365-428	. Nut - (Attach tube to bellcrank)	1
-5	AN960-416	. Washer - (Attach tube to bellcrank)	1
-6	0510105-15	. Cable - Elevator control upper	1
-7	0510105-4	. Cable - Elevator control lower	1
-8	AN23-10	. Bolt - (Attach cable to bellcrank)	2
-9	AN310-3	. Nut - (Attach cable to bellcrank)	2
-10	AN380-2-3	. Pin - Cotter (attach cable to bellcrank)	2
-11	NAS383-3	. Pulley	1
-12	NAS382-2	. Bushing	1
-13	0411421-2	. Guard	1
-14	AN4-10A	. Bolt	1
-15	AN365-428	. Nut	1
-16	AN380-2-6	. Pin - Cotter (cable guard)	1
-17	BB-208	. Pulley - Elevator control (Sta. 108.00)	2
-18	Deleted		
-19	AN4-14A	. Bolt - (Attach pulleys)	1
-20	AN355-428	. Nut - (Attach pulleys)	1
-21	AN960-416	. Washer - (Between pulleys)	1
-22	AN165-22S	. Eye - (Attach cable to link) upper cable)	1
-23	AN155-32S	. Barrel - Turnbuckle	1
-24	0510160	. Link - (Attach turnbuckle to bellcrank) (upper)	2
-25	AN23-10	. Bolt - (Attach link at bellcrank) (upper)	1
-26	AN23-11	. Bolt - (Attach link to eye)	1
-27	AN310-3	. Nut - (Attach link)	2
-28	AN380-2-3	. Pin - Cotter	2
-29	AN155-32S	. Barrel - Turnbuckle	1
-30	AN165-22S	. Eye - (Lower) (attach cable to bellcrank)	1
-31	0310421-2	. Link - (Lower) (attach eye to link)	2
-32	AN23-11	. Bolt - (Lower) (attach link to eye)	1
-33	AN23-10	. Bolt - (Lower) (attach link at bellcrank)	1
-34	AN310-3	. Nut - (Attach link)	2
-35	AN380-2-3	. Pin - Cotter	2
-36	0510108	. Bellcrank - Elevator rear	1
-36A	AN4-11A	. Bolt - (Attach bellcrank)	1
-36B	AN365-428	. Nut - (Attach bellcrank)	1
-37	0510111-5	. Tube - (Bellcrank to elevator pylon)	1
-38	AN4-10A	. Bolt - (Attach tube to bellcrank and pylon)	2
-39	AN365-428	. Nut - (Attach tube to bellcrank and pylon)	2
-40	0412006	. Fairlead	1
	0410108-2	. Clip - (Attach fairlead)	1


(serial 27050 & on)
(serial 20267 thru 27049)
(serial 27050 & on)

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
68-	No Number	System Installation - Flap control (0510102 Ref) (see figure 1 for NHA)	Ref
-1	0510105-21	. Cable - Flap return forward	1
-2	0510105-22	. Cable - Flap direct forward	1
-3	0510105-19	. Cable - Flap return LH (serial 20267 thru 27049)	1
-4	0510105-20	. Cable - Flap return RH (serial 20267 thru 27049)	1
-5	0510105-17	. Cable - Flap direct LH (serial 20267 thru 27049)	1
-6	0510105-18	. Cable - Flap direct RH (serial 20267 thru 27049)	1
-7	0510105-59	. Cable - Flap direct outboard (serial 27050 & on)	2
-8	0510105-61	. Cable - Flap direct LH inboard (serial 27050 & on)	1
-9	0510105-62	. Cable - Flap direct RH inboard (serial 27050 & on)	1
-10	0510105-60	. Cable - Flap return outboard	2
-11	0510105-63	. Cable - Flap return LH inboard	1
-12	0510105-64	. Cable - Flap return RH inboard	1
-13	AN23-16	. Bolt - (Attach cable to flap lever)	2
-14	AN310-3	. Nut - (Attach cable to flap lever)	2
-15	AN380-2-3	. Pin - Cotter (attach cable to flap lever)	2
-16	NAS383-2	. Pulley - Flap return forward	1
-17	AN3-6A	. Bolt - (Attach pulley)	1
-18	AN365-1032	. Nut - (Attach pulley)	1
-19	NAS382-1	. Bushing - (Attach pulley)	1
-20	AN380-2-3	. Pin - Cotter (cable guard)	2
-21	F-140	. Pulley	1
-22	0411783	. Bushing	1
-23	AN3-6A	. Bolt - (Attach pulley)	1
-24	AN365-1032	. Nut - (Attach pulley)	1
-25	AN380-2-3	. Pin - Cotter (attach pulley)	1
-26	AN23-12	. Bolt - (Connect cables) (serial 20267 thru 27049)	2
-27	AN310-3	. Nut - (Connect cables) (serial 20267 thru 27049)	2
-28	AN380-2-3	. Pin - Cotter (connect cables) (serial 20267 thru 27049)	2
-29	AN155-16S	. Barrel - Turnbuckle (serial 20267 thru 27049)	4
-30	AN163-16L	. Eye - (Turnbuckle to cable)	4
-31	AN23-12	. Bolt - (Connect cables) (serial 27050 & on)	2
-32	AN310-3	. Nut - (Connect cables) (serial 27050 & on)	2
-33	AN380-2-3	. Pin - Cotter (connect cables) (serial 27050 & on)	2
-34	AN155-16S	. Barrel - Turnbuckle (serial 27050 & on)	4
-35	NAS383-2	. Pulley - Flap cable	4
-36	AN3-6A	. Bolt - (Attach pulley)	4
-37	AN365-1032	. Nut - (Attach pulley)	4
-38	NAS382-1	. Bushing - (Attach pulley)	4
-39	AN380-2-2	. Pin - Cotter (cable guard)	6
-40	NAS383-4	. Pulley	4
-41	AN4-21A	. Bolt - (Attach pulleys) (see figure 66)	Ref
-42	AN365-428	. Nut - (Attach pulleys) (see figure 66)	Ref
-43	NAS382-2	. Bushing - (Attach pulleys)	2
-44	0512140	. Bushing - (Attach pulleys)	2
-45	NAS43-6-10	. Spacer - (Attach pulleys)	2
-46	0512135	. Guard	2
-47	AN210-2B	. Pulley - Flap control	4
-48	AN3-10A	. Bolt - (Attach pulley)	2
-49	AN365-1032	. Nut - (Attach pulley)	2
-50	AN960-416	. Washer - (Attach pulley)	2
-51	AN380-2-4	. Pin - Cotter (cable guard)	2
-52	AN380-3-3	. Pin - Cotter (cable guard)	2
-53	AN383-2	. Pulley - Wing flap (see figure 2 & 7)	Ref
-54	AN3-7A	. Bolt - (Attach pulley) (see figure 2 & 7)	Ref
-55	AN365-1032	. Nut - (Attach pulley) (see figure 2 & 7)	Ref
-56	NAS382-1	. Bushing - (Attach pulley) (see figure 2 & 7)	Ref
-57	AN960-10	. Washer - (Attach pulley) (see figure 2 & 7)	Ref
-58	AN23-9	. Bolt - (Attach cable to bellcrank)	4
-59	AN310-3	. Nut - (Attach cable to bellcrank)	4
-60	AN380-2-3	. Pin - Cotter	4
-61	0510166-2 *	. Lever Assembly - Flap	1
-62	0510167	. . Latch Assembly - Flap lever	1
-63	0510169	. . Rod - Latch	1
-64	0510182	. . Button - Release	1
	0510177	. . Bushing - Latch	1
-65	AN960-4	. . Washer	2
	0510176	. . Spring - Latch return	1
-66	0510172-3	. . Cam - Flap lever	1
-67	0510172-4	. . Cam - Flap lever	2
-68	0510173	. . Spacer - Flap lever	2

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
68-69	NAS43HT-5-36	. . Spacer - Flap lever	1
-70	NAS42DD-4-16	. . Spacer - Flap lever	4
-71	0510186	. . Placard - Flap lever (serial 20267 thru 26504)	1
	0510191	. . Placard - Flap lever (serial 26050 & on)	1
-72	0510188	. . Placard - Avoid slips	1
-73	0510184	. Bushing - Flap lever attachment	1
-74	0510181-1	. Spacer - Flap lever attachment	1
-75	0510181	. Spacer - Flap lever attachment	1
-76	0510171-1 **	. Rachet - Flap lever	1
-77	0510178	. Bushing - Flap lever	1
-78	NAS43-7-237	. Spacer - Flap lever	1
-79	AN4-62A	. Bolt - (Attach flap lever)	2
-80	AN365-428	. Nut - (Attach flap lever)	2

* When this part is ordered for airplanes serial 20267 thru 26504, parts marked (**) double asterisk must also be ordered.

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ILLUSTRATED PARTS CATALOG

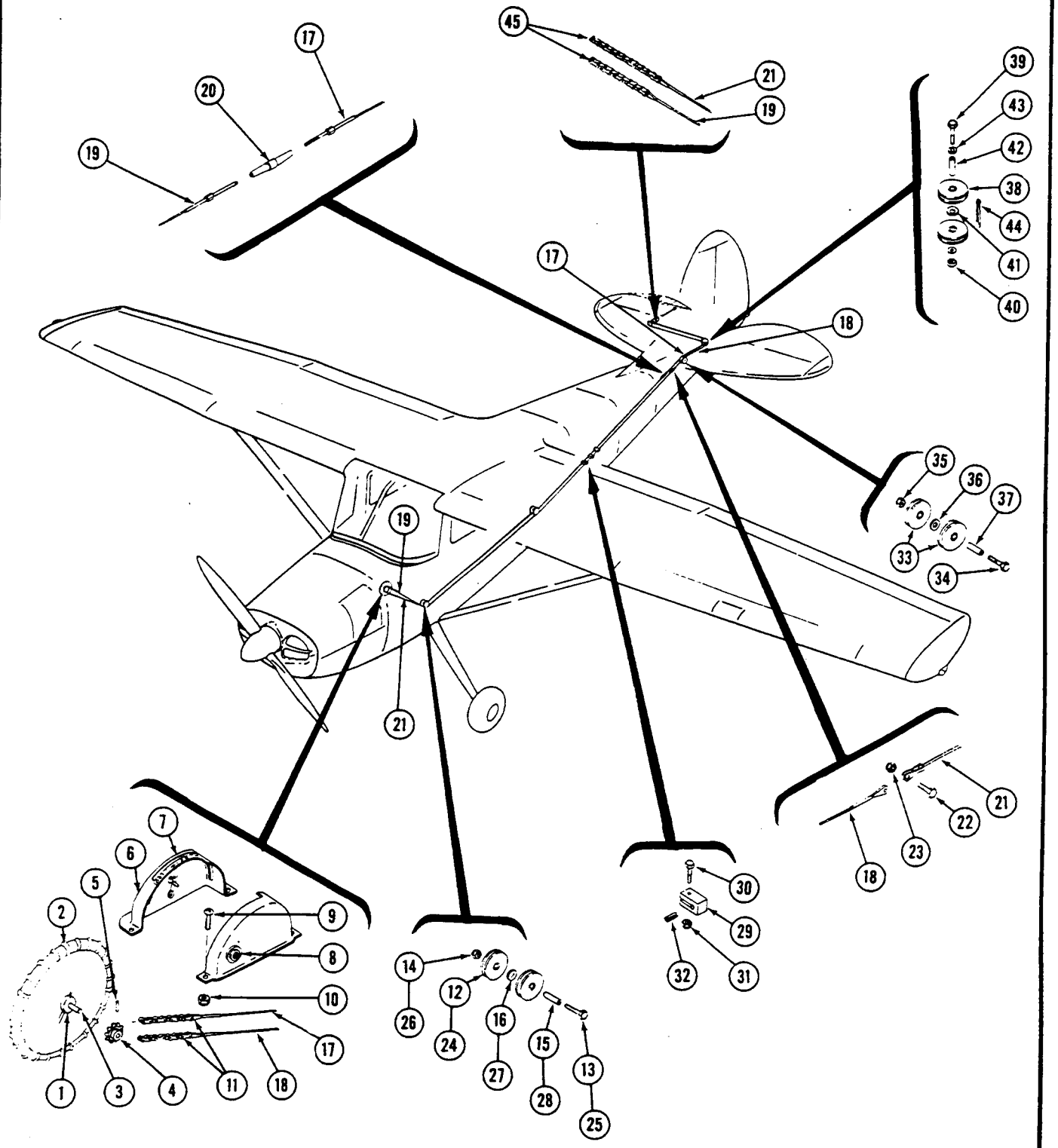

FIGURE 69. ELEVATOR TAB CONTROL SYSTEM

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
69-	No Number	System Installation - Elevator tab control (0510102 Ref.) (see figure 1 for NHA)	Ref
-1	0510127	. Shaft Assembly - Tab control	1
-2	0510127-1	. . Wheel - Tab control	1
-3	0510127-2	. . Shaft - Tab control	1
-4	0432134-1	. . Sprocket - Tab control	1
-5	52-022-094-0500	. . Rollpin - (Attach sprocket)	2
-6	0411419	. Cover - Tab control wheel	1
-7	0411422	. . Decal - Tab position indicator	1
-8	M-451	. . Bearing - Torrington	1
-9	AN526-10R7	. Screw - (Attach cover)	4
-10	AN365-1032	. Nut - (Attach cover)	4
-11	0432138-1	. Chain - Tab control	1
-12	NAS383-1	. Pulley - Tab control forward	2
-13	AN3-10A	. Bolt - (Attach pulley)	1
-14	AN365-1032	. Nut - (Attach pulley)	1
-15	0411491	. Bushing - (Attach pulley)	1
-16	AN960-416L	. Washer - (Between pulleys)	1
-17	0510105-9	. Cable - Tab control (forward to turnbuckle)	1
-18	0510105-7	. Cable - Tab control (forward to disconnect)	1
-19	0510105-8	. Cable - Tab control (aft to turnbuckle)	1
-20	AN1558S	. Barrel - connect cables	1
-21	0510105-10	. Cable - Tab control (aft to disconnect)	1
-22	AN3-5A	. Bolt - (Connect cables)	1
-23	AN365-1032	. Nut - (Connect cables)	1
-24	NAS383-1	. Pulley	2
-25	AN3-10A	. Bolt - (Attach pulley)	1
-26	AN365-1032	. Nut - (Attach pulley)	1
-27	AN960-416L	. Washer - (Attach pulley)	1
-28	0411491	. Bushing	1
-29	0411523	. Block - Elevator tab stop	3
-30	AN3-6A	. Bolt	3
-31	AN365-1032	. Nut	3
-32	0411524	. Bushing	3
-33	NAS383-1	Pulley	2
-34	AN3-10A	. Bolt	1
-35	AN365-1032	. Nut	1
-36	AN960-416L	. Washer	1
-37	0411491	. Bushing	1
-38	NAS383-1	. Pulley - Tab control	2
-39	AN3-11A	. Bolt - (Attach pulley)	1
-40	AN365-1032	. Nut - (Attach pulley)	1
-41	AN960-416	. Washer - (Attach pulley)	1
-42	0411491	. Bushing - (Attach pulley)	1
-43	AN960-10	. Washer	2
-44	AN380-4-5	. Pin - Cotter (cable guard)	2
-45	0432138-1	. Chain - (Pulley to tab actuator)	1

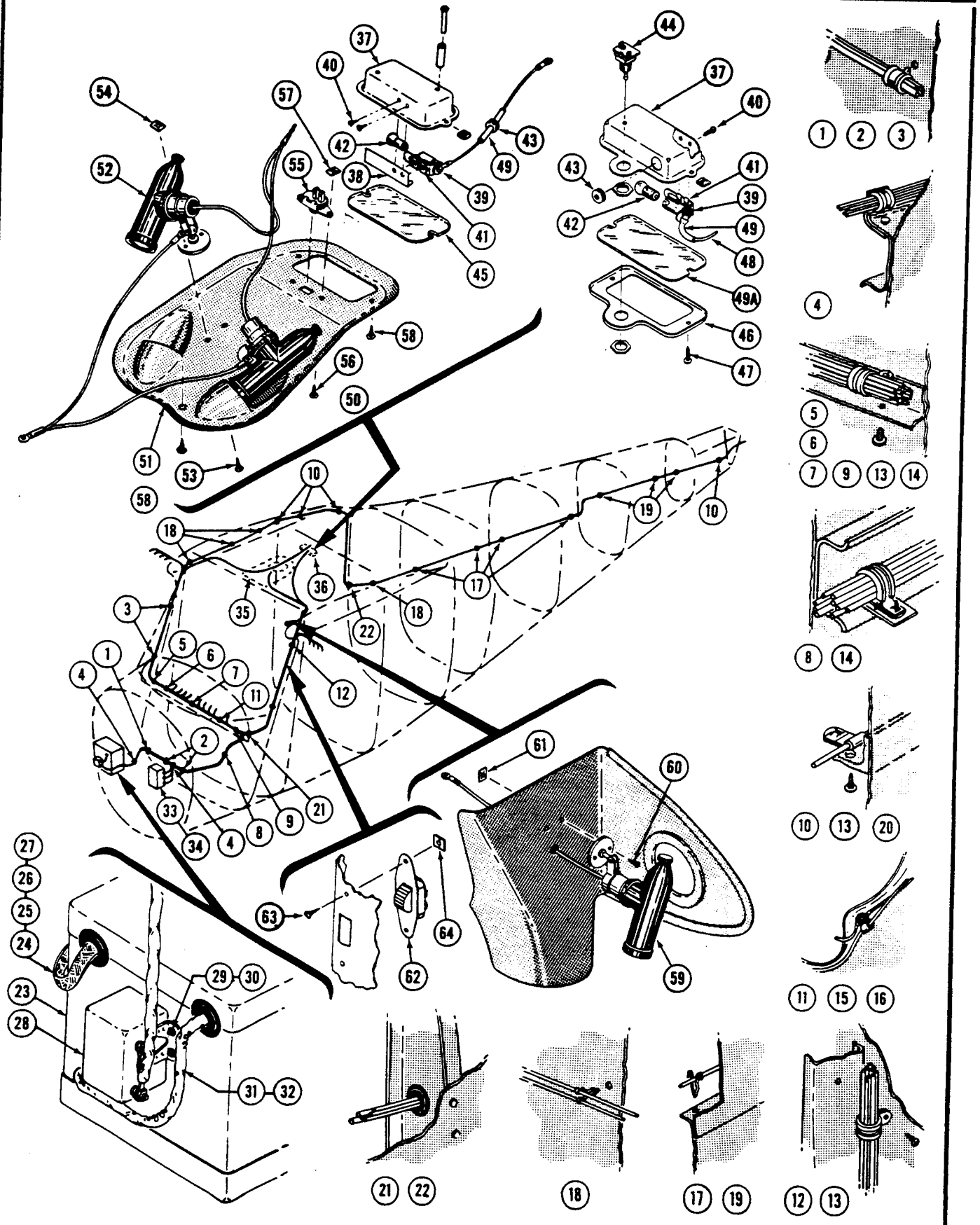

FIGURE 70. FUSELAGE ELECTRICAL EQUIPMENT AND WIRING INSTALLATION

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
70-	No Number	Electrical Wiring Equipment Installation (0510000 & 0510001 Ref.) (see figure 1 for NHA)	Ref
-1	NAS437-2C	. Harness Band - (United Carr 49165)	1
-2	NAS437-3C	. Harness Band - (United Carr 49166)	2
-3	NAS437-1C	. Harness Band - (United Carr 49164)	2
-4	NAS437-1C	. Harness Band - (United Carr 49164)	2
-5	NAS435-D5	. Clamp - (Tinnerman A3047A-5)	1
-6	NAS435D6	. Clamp - (Tinnerman A3047A-6)	1
-7	NAS435D8	. Clamp - (Tinnerman A3047A-8)	1
-8	NAS435D8	. Clamp - (Tinnerman A3047A-8)	1
-9	NAS435D7	. Clamp - (Tinnerman A3047A-7)	1
-10	AN742D2	. Clamp - (Tinnerman A2980A-2)	4
-11	AN742D2	. Clamp - (Tinnerman A2980A-2)	1
-12	AN742D8	. Clamp - (Tinnerman A3046A-6)	2
-13	PK76XZ-8-6	. Screw - (Attach clamp)	7
-14	PK76XZ-8-8	. Screw - (Attach clamp)	4
-15	AN526-632R5	. Screw - (Attach clamp)	1
-16	AN365-632	. Nut - (Attach clamp)	1
-17	A3493-1	. Clip - (Tinnerman A3493-1)	3
-18	A3493-1	. Clip - (Tinnerman A3493-1)	4
-19	A3493-1	. Clip - (Tinnerman A3493-1)	3
-20	T-118	. Insulator - (Sta-Kon)	3
-21	AN931-6-10	. Grommet	1
-22	AN931-3-5	. Grommet	1
-23	0311033-1	. Battery	1
-24	0412007-1	. Strap - Battery ground	1
-25	AN4-5A	. Bolt - (Attach ground strap)	1
-26	AN365-428	. Nut - (Attach ground strap)	1
-27	AN970-4	. Washer	1
-28	0411021-1	. Contactor - Solenoid (when exhausted use 0712603-1)	1
-29	AN3-3A	. Bolt - (Attach contactor)	4
-30	AN365-1032	. Nut - (Attach contactor)	4
-31	0400005-2	. Cable - Battery (serials 20267 thru 26038)	1
	0500005-154	. Cable - Battery (serials 26694 thru 26754)	1
	0500005-125	. Cable - Battery (serials 26039 thru 26693) (serials 26755 & on)	1
-32	AN935-516L	. Washer	2
-33	0413205-1	. Regulator - Voltage control (serial 20267 thru 20451)	1
	0413205-5	. Regulator - Voltage control (serial 20452 & on)	1
-34	AN4-6A	. Bolt - (Attach regulator)	3
	AN365-428	. Nut - (Attach regulator)	3
-35	No Number	. Speaker Installation - (See figure 70A for breakdown) (serials 20267 thru 26995)	1
-36	0413142	. Light Assembly - Dome (serial 20267 thru 25372)	1
	0413142-4	. Light Assembly - Dome (serial 25373 & on)	1
-37	0413140-3	. . Reflector Assembly - Dome light (serial 20267 thru 25372)	1
-38	0413140-2	. . Retainer - Headliner	1
-39	0413138	. . Socket - Dome light	1
-40	PK76XZ-4-5	. . Screw - (Attach socket)	2
-41	NAS395-1	. . Nut - (Tinnerman #A6187 -4Z-3)	4
-42	G.E. 1816	. . Bulb - Dome light	1
-43	AN931-3-5	. . Grommet	1
-44	0413142-2	. . Switch - Dome light (serial 20267 thru 25372)	1
-45	0413141	. . Lens - Dome light (serial 20267 thru 25372)	1
-46	0413139	. . Bezel - Dome light (serial 20267 thru 25372)	1
-47	PK76XZ-4-6	. . Screw - (Attach dome light)	2
-48	#18	. . Wire	1
-49	#9	. . Tube - Transflex	1
-49A	0413141	. . Lens - Dome light (serial 25373 & on)	1
-50	0710101-3	. Shield Assembly - Instrument light (serial 25373 & on)	1
-51	0710101-1	. . Plate - Instrument light cover	1
	0713017	. . Light Assembly - Instrument	2
-52	0713017-9	. . . Bulb - (Mazda) (67 3 C. P.)	1
-53	PK76XZ-6-8	. . Screw - (Attach light)	4
-54	NAS446-2	. . Nut - (Attach light) (Tinnerman A1181-6Z-3)	4
-55	0713029	. . Switch - Dome light (serial 25373 & on)	1
-56	PK76XZ-6-6	. . Screw - (Attach switch)	2
-57	NAS446-2	. . Nut - (Attach switch) (Tinnerman #A1181-6Z-3)	2
-58	PK76XZ-6-61	. Screw - (Attach shield)	4
-59	0713017-1	. Light - Map (serial 25373 & on)	1
	0713017-9	. . Bulb - (Mazda) (67 3 C. P.)	1

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
70-60	AN526-632R6	Screw - (Attach light)	2
-61	AN365-632	Nut - (Attach light)	2
-62	0713029	Switch - Map light	1
-63	PK76XZ-4-6	Screw - (Attach switch)	2
-64	NAS446-1-3	Nut - (Attach switch) (Tinnerman A1776-4Z-3)	2

ORDER BY PART NUMBER AND NAME — SERIAL NUMBER AND COLOR IF APPLICABLE

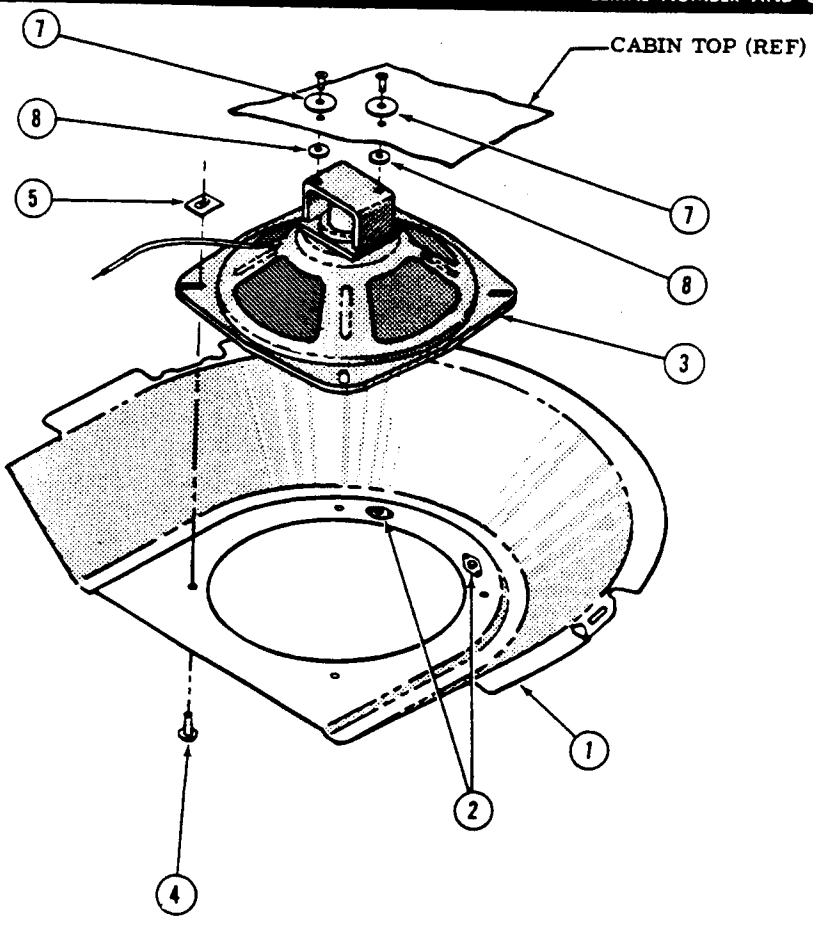

FIGURE 70A. SPEAKER INSTALLATION (SERIAL 20267 THRU 26995)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
70A-	No Number	Speaker Installation - (See figure 70 for NHA) (Serial 20267 thru 26995)	Ref
-1	0413238	Baffle Assembly - Radio speaker	1
-2	NAS444-1	Nutplate - (Tinnerman #A6191-6Z-3)	2
-3	0411062-2	Speaker - Radio	1
-4	PK76XZ-8-8	Screw - (Attach speaker to baffle)	4
-5	NAS446-4-3	Nut - (Tinnerman #A1778-8Z-3) (attach speaker to baffle)	4
-6	AN526-832R5	Screw - (Attach speaker to cabin top)	2
-7	0311001-27	Washer - (Attach speaker to cabin top)	2
-8	AN970-3	Washer - (Attach speaker to cabin top)	2

NOTE: Speaker installation is optional equipment serial 26996 & on.

ORDER BY PART NUMBER AND NAME — SERIAL NUMBER AND COLOR IF APPLICABLE

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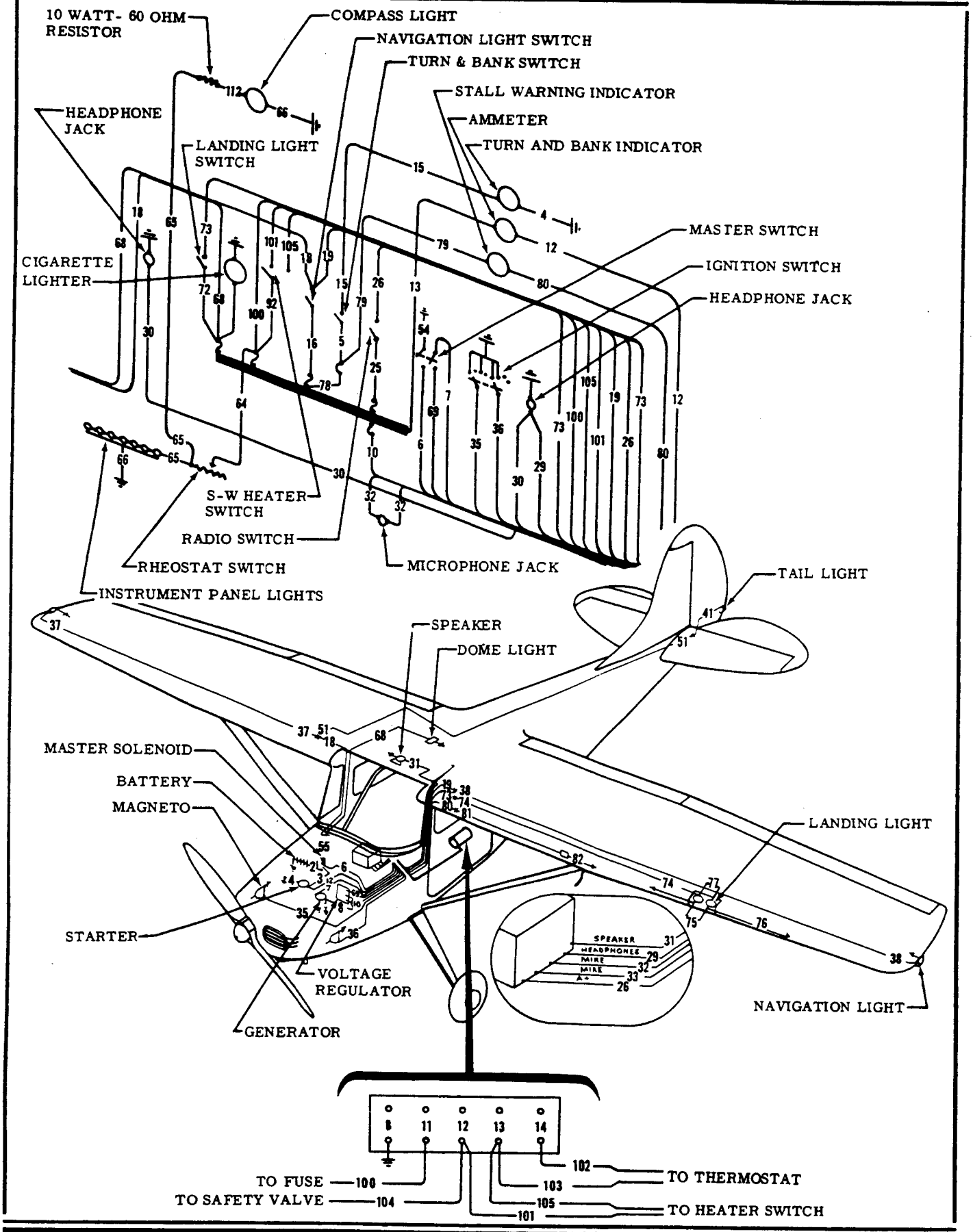


FIGURE 71. ELECTRICAL WIRING DIAGRAM (SERIALS 20267 THRU 25372)

FIGURE 71 ELECTRICAL WIRING DIAGRAM (SERIALS 20267 THRU 25372)

WIRE NUMBER	LENGTH IN INCHES	SIZE	TERMINALS	
2	10	#4	Sta-Kon F71 (Connects to master solenoid)	Sta-Kon F73 (Connects to battery)
3	23	#4	Sta-Kon F71 (Connects to master solenoid)	Sta-Kon F73 (Connects to starter)
4	12	#18	Sta-Kon RA873 (Connects to turn & bank indicator)	Sta-Kon RA873 (Connects to ground)
5	2	#18	AN659-1 (Connects to turn & bank switch)	Sta-Kon A71 (Connects to CA2 circuit breaker)
6	69	#18	Sta-Kon RA863 (Connects to master switch)	Sta-Kon RA333 (Connects to master solenoid)
7	59	#18 (Shielded)	Sta-Kon RA863 (Connects to master switch)	Sta-Kon RA713 (Connects to generator)
8	26	#14	Sta-Kon RB873 (Connects to voltage regulator)	Sta-Kon RB713 (Connects to generator)
10	38	#14	Sta-Kon RB873 (Connects to voltage regulator)	——— (Solders to fuse retainer)
12	56	#10	Sta-Kon RC363 (Connects to ammeter)	Sta-Kon C73 (Connects to starter)
13	19	#10	Sta-Kon RC363 (Connects to ammeter)	——— (Solders to buss strip)
15	18	#18	Sta-Kon RA863 (Connects to turn & bank indicator)	AN659-1 (Connects to turn & bank switch)
16	6	#18	Sta-Kon RA863 (Connects to navigation light switch)	——— (Solders to fuse retainer)
18	57	#18	Sta-Kon B50 (Connects to wires #37 & #51)	Sta-Kon RA863 (Connects to navigation light switch)
19	60	#18	Sta-Kon A50 (Connects to wire #38)	Sta-Kon RA863 (Connects to navigation light switch)
25	2	#14	Sta-Kon RB863 (Connects to radio switch)	——— (Solders to fuse retainer)
26	12	#14	Sta-Kon RB863 (Connects to radio switch)	Sta-Kon A50 (Connects to radio A+)
29	45	#18	Sta-Kon A50 (Connects to radio)	——— (Solders to left phone jack)
30	53	#18	——— (Solders to phone jacks)	——— (Solders to phone jack)
31	77	#18	Sta-Kon A50 (Connects to speaker)	Sta-Kon A50 (Connects to radio)
32	28	#18	Sta-Kon A50 (Connects to radio)	——— (Solders to mike jack)
33	28	#18	Sta-Kon A50 (Connects to radio)	——— (Solders to mike jack)
35	48	#18 (Shielded)	Sta-Kon RC863 (Shield); RA333 (Wire) (Connects to ignition switch)	——— (Solders to magneto)
36	44	#18 (Shielded)	Sta-Kon RA333 (Connects to key switch)	——— (Solders to magneto)
37	214	#18	Sta-Kon A50 & 7 (Connects to wire #18 at B50 with #7 coupler)	——— (Solders to right wing light socket)
38	214	#18	Sta-Kon A50 & 7 (Connects to wire #19 with #7 coupler)	——— (Solders to left wing light socket)
41	40	#18	Sta-Kon A50 & 7 (Connects to wire #51 with #7 coupler)	——— (Solders to tail light)
51	240	#18	Sta-Kon A50 (Connects to wire #41)	——— (Solders to wire #18)
54	6	#18	Sta-Kon RA863 (Connects to master switch)	Sta-Kon RA873 (Connects to ground)
55	3	#18	Sta-Kon RA333 (Connects to master solenoid)	——— (Solders to F71 terminal of wire #2)
64	9	#18	——— (Solders to fuse retainer)	——— (Solders to instrument light rheostat)
65	74	#18	Sta-Kon A50 (Connects to instrument light)	——— (Solders to instrument light rheostat)
74	74	#18	——— (Solders to instrument lights)	Sta-Kon A50 & 7) (Connects to ground)
68	99	#18	Sta-Kon RA333 (Connects to dome light)	——— (Solders to fuse retainer)
69	36	#18 (Shielded)	Sta-Kon RB863 Shield); RA863 (Wire) (Connects to master switch)	Sta-Kon RB863 (Shield); RA873 (Wire) (Connects to voltage regulator)

FIGURE 71 ELECTRICAL WIRING DIAGRAM (SERIALS 20267 THRU 25372)

WIRE NUMBER	LENGTH IN INCHES	SIZE	TERMINALS	
72	2	#14	Sta-Kon RB863 (Connects to landing light switch)	———
73	64	#14	Sta-Kon RB863 (Connects to landing light switch)	(Solders to fuse retainer) Sta-Kon B50
74	130	#14	Sta-Kon RB863 (Connects to inboard landing light)	(Connects to wire #74) Sta-Kon B50 & 7
75	12	#14	Sta-Kon RB863 (Connects to outboard landing light)	(Connects to wire #C73 with #7 coupler) Sta-Kon RB863
76	6	#14	Sta-Kon RB863 (Connects to outboard landing light)	(Connects to inboard landing light) Sta-Kon RB863
77	12	#14	Sta-Kon RB863 (Connects to outboard landing light)	(Connects to ground) Sta-Kon RB863
78	4	#18	Sta-Kon RA863 (Connects to CA2 circuit breaker)	(Connects to inboard landing light) ———
79	32	#18	Sta-Kon RA863 (Connects to CA2 circuit breaker)	(Solders to buss bar) Sta-Kon RA333
80	50	#18	Sta-Kon RA333 (Connects to stall warning indicator)	(Connects to stall indicator) Sta-Kon A-50
81	92	#18	Sta-Kon RA333 (Connects to stall warning wing unit)	(Connects to wire #81) Sta-Kon A50 & 7
82	3	#18	Sta-Kon RA333 (Connects to stall warning wing unit)	(Connects to wire #80 with #7 coupler) Sta-Kon RA833
92	6	#14	Sta-Kon RB863 (Connects to heater switch)	(Connects to ground) ———
99	5.5	#14	Sta-Kon RB863 (Connects to heater terminal post #13)	(Solders to fuse retainer) Sta-Kon RB1333
100	186	#14	Sta-Kon RB863 (Connects to heater terminal post #11)	(Connects to heater relay) ———
101	186	#14	Sta-Kon RB863 (Connects to heater switch)	(Solders to fuse retainer) Sta-Kon RB863
102	12	#14	Sta-Kon RB863 (Connects to heater thermostat)	(Connects to heater terminal post #12) Sta-Kon RB863
103	12	#14	Sta-Kon RB863 (Connects to heater thermostat)	(Connects to heater terminal post #14) Sta-Kon RB863
104	36	#18	Sta-Kon RB863 (Connects to heater safety valve)	(Connects to heater terminal post #13) Sta-Kon RB863
105	186	#14	Sta-Kon RB863 (Connects to heater switch)	(Connects to heater terminal post #12) Sta-Kon RB863
112	15	#18	———	(Connects to heater terminal post #13) ———
			(Solders to compass resistor)	(Solders to compass light)

FIGURE 72 ELECTRICAL WIRING DIAGRAM (SERIALS 25373 & ON)

WIRE NUMBER	LENGTH IN INCHES	SIZE	TERMINALS	
2	10	#4	Sta-Kon F71 (Connects to master solenoid)	Sta-Kon F73 (Connects to battery)
3	14	#4	Sta-Kon F71 (Connects to master solenoid)	Sta-Kon F73 (Connects to starter)
4	24	#18	Sta-Kon RA873 (Connects to turn & bank indicator)	Sta-Kon RA873 (Connects to ground)
6	80	#18	Sta-Kon RA863 (Connects to master switch)	Sta-Kon RA333 (Connects to master solenoid)
7	70	#18 (Shielded)	Sta-Kon RA863 (Connects to master switch)	Sta-Kon RA713 (Connects to generator)
8	28	#14	Sta-Kon RB873 (Connects to voltage regulator)	Sta-Kon RB713 (Connects to generator)
10	58	#14	Sta-Kon RB873 (Connects to voltage regulator)	———
12	68	#10	Sta-Kon RC363 (Connects to ammeter)	(Solders to fuse retainer) Sta-Kon RC733
13	12	#10	Sta-Kon RC363 (Connects to ammeter)	(Connecte to starter) ———
15	10	#18	Sta-Kon RA863 (Connects to turn & bank indicator)	(Solders to buss strip) Sta-Kon RA863
16	16	#18	Sta-Kon RA863 (Connects to navigation light switch)	(Connects to circuit breaker) ———
				(Solders to fuse retainer)

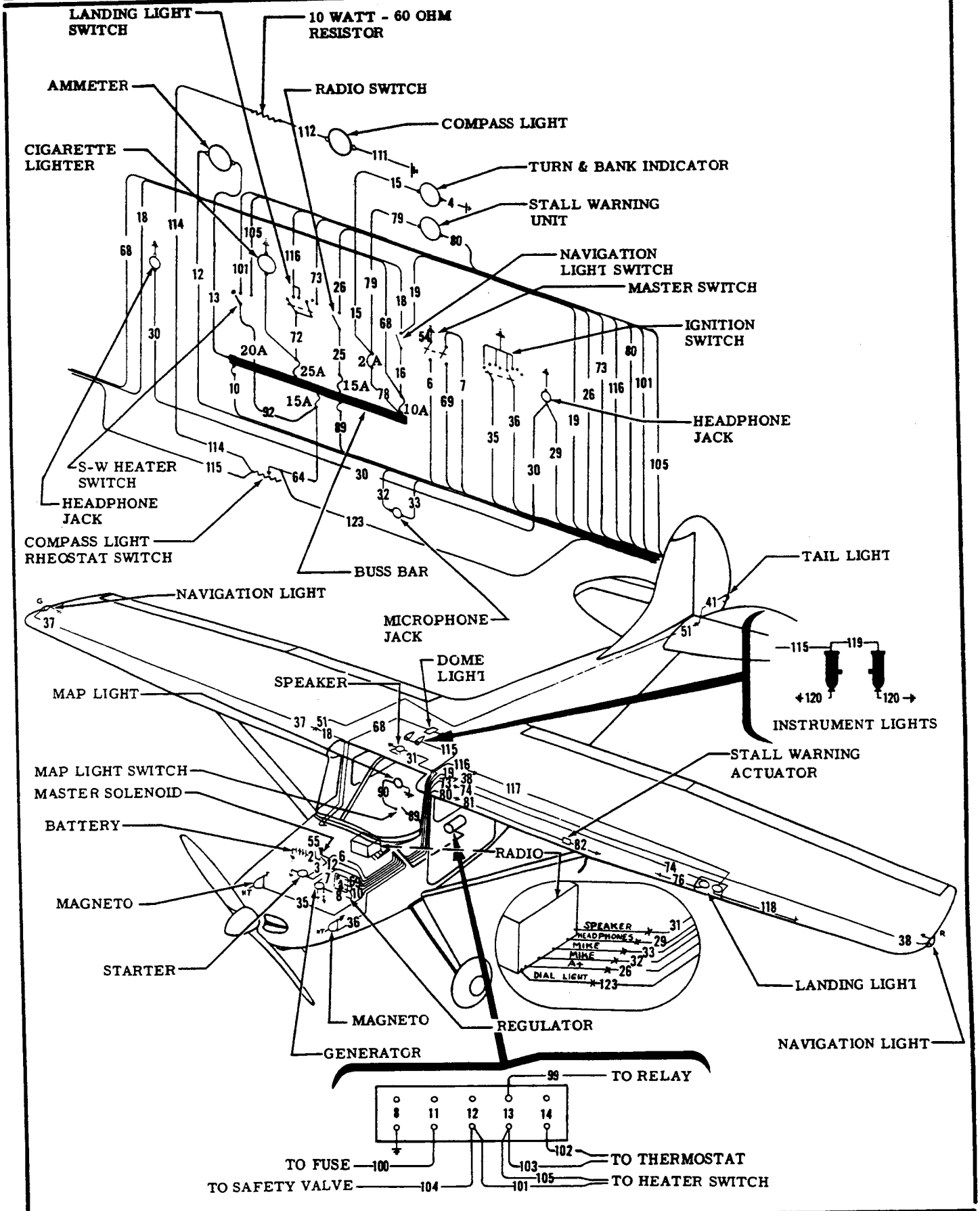


FIGURE 72. ELECTRICAL WIRING DIAGRAM (SERIAL 25373 THRU 26995)

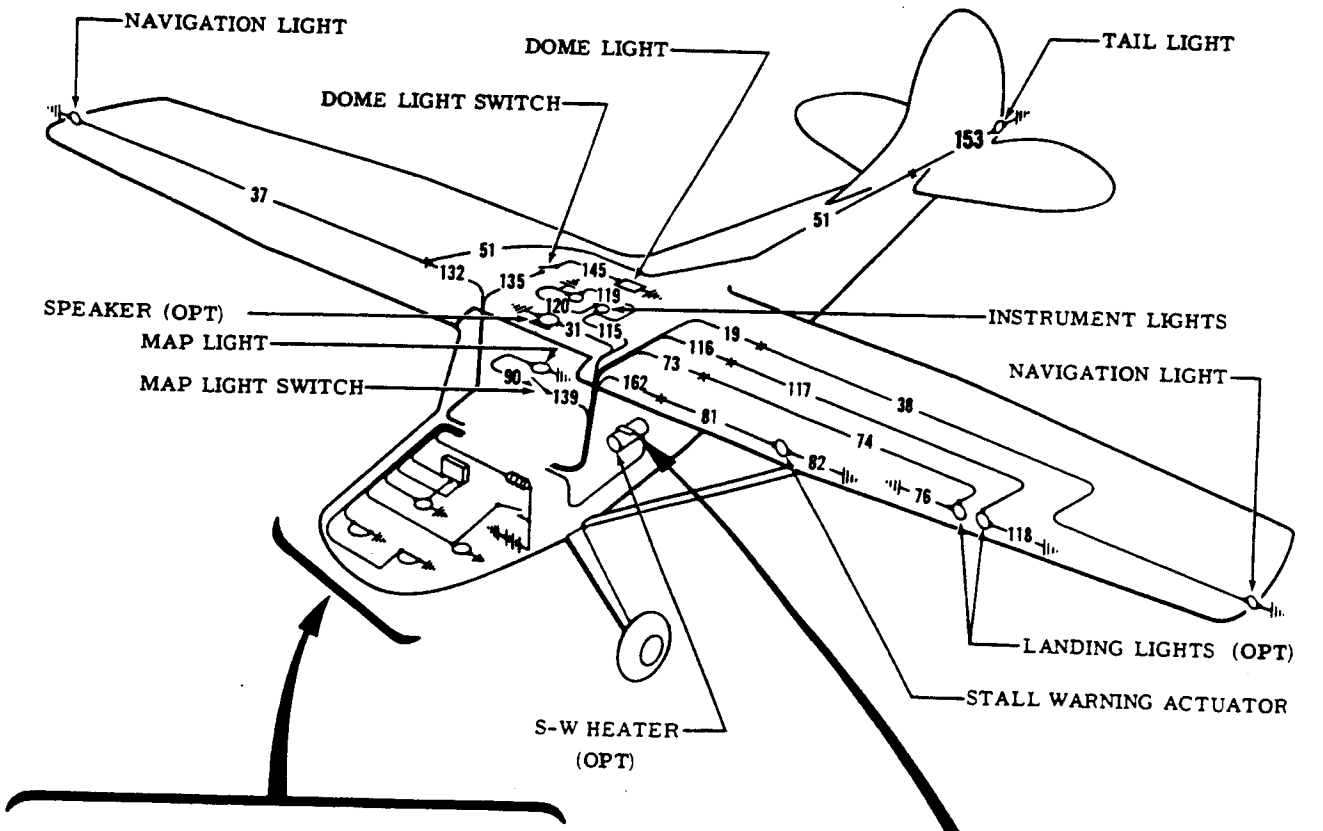
FIGURE 72 ELECTRICAL WIRING DIAGRAM (SERIALS 25373 & ON)

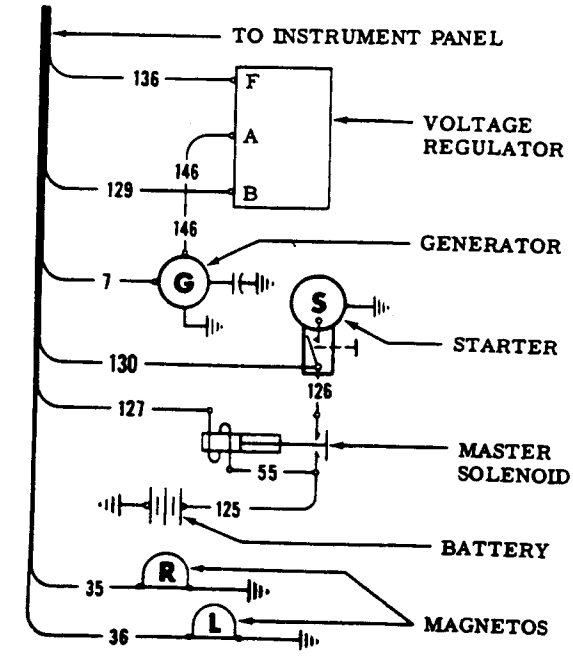
WIRE NUMBER	LENGTH IN INCHES	SIZE	TERMINALS	
18	47	#18	Sta-Kon A50 (Connects to wires 37 & 51)	Sta-Kon RA863 (Connects to navigation light switch)
19	55	#18	Sta-Kon A50 (Connects to wire 38)	Sta-Kon RA863 (Connects to navigation light switch)
25	12	#14	(Solders to fuse retainer)	Sta-Kon RB863
26	35	#14	Sta-Kon RB863 (Connects to radio switch)	Sta-Kon A-50 (Connects to radio A+)
29	12	#18	Sta-Kon A50 (Connects to radio)	(Solder to left phone jack)
30	42	#18	(Solders to phone jack)	(Solders to phone jack)
31	73	#18	Sta-Kon A50 (Connects to speaker)	Sta-Kon A50 (Connects to radio)
32	38	#18	Sta-Kon A50 (Connects to radio)	(Solders to mike jack)
33	32	#18	Sta-Kon A50 (Connects to radio)	(Solders to mike jack)
35	34	#18 (Shielded)	Sta-Kon RA333 (Wire); RC863 (Shield) Connects to ignition switch)	(Solders to magneto)
36	38	#18 (Shielded)	Sta-Kon RA333 (Wire); RC863 (Shield) (Connects to ignition switch)	(Solders to magneto)
37	214	#18	Sta-Kon A50 & 7 (Connects to wire #18 at 50 with #7 coupler)	(Solders to right wing light)
38	214	#18	Sta-Kon A50 & 7 (Connects to wire #19 with #7 coupler)	(Solders to left wing light)
41	40	#18	Sta-Kon A50 & 7 (Connects to wire #51 with #7 coupler)	(Solders to tail light)
51	240	#18	Sta-Kon A50 (Connects to wire #41)	(Solders to wire #18)
54	6	#18	Sta-Kon RA863 (Connects to master switch)	Sta-Kon RA873 (Connects to ground)
55	3	#18	Sta-Kon RA333 (Connects to master solenoid)	(Solders to F71 terminal of wire #2)
64	4	#18	(Solders to fuse retainer)	(Solders to instrument light rheostat)
68	96	#18	Sta-Kon RA333 (Connects to dome light)	(Solders to fuse retainer)
69	46	#18 (Shielded)	Sta-Kon RA863 (Wire); RB863 (Shield) (Connects to master switch)	Sta-Kon RB863 (Shield); RA873 (Wire) (Connects to voltage regulator)
72	10	#14	Sta-Kon RB863 (Connects to landing light switch)	(Solders to fuse retainer)
73	60	#14	Sta-Kon RB863 (Connects to landing light switch)	Sta-Kon B50 (Connects to wire #74)
74	130	#14	Sta-Kon RB863 (Connects to inboard landing light)	Sta-Kon B50 & 7 (Connects to wire #73 with #7 coupler)
76	6	#14	Sta-Kon RB863 (Connects to inboard landing light)	Sta-Kon RB863 (Connects to ground)
78	10	#18	Sta-Kon RA863 (Connectsto CA 2 circuit breakee)	(Solders to buss bar)
79	10	#18	Sta-Kon RA863 (Connects to CA2 circuit breaker)	Sta-Kon RA333 (Connects to stall indicator)
80	42	#18	Sta-Kon RA333 (Connects to stall warning indicator)	Sta-Kon A50 (Connects to wire #81)
81	92	#18	Sta-Kon RA333 (Connects to stall warning wing unit)	Sta-Kon A50 & 7 (Connects to wire #80 with #7 coupler)
89	69	#18	Sta-Kon RA333 (Connects to map light switch)	(Solders to fuse retainer)
90	18	#18	Sta-Kon RA863 (Connects to map light)	Sta-Kon RA333 (Connects to map light switch)
92	18	#14	Sta-Kon RB863 (Connects to heater switch)	(Solders to fuse retainer)
99	5.5	#14	Sta-Kon RB863 (Connects to heater terminal post #13)	Sta-Kon RB1333 (Connects to heater relay)
100	176	#14	Sta-Kon RB863 (Connects to heater terminal post #11)	(Solder to fuse retainer)
101	176	#14	Sta-Kon RB863 (Connects to heater switch)	Sta-Kon RB863 (Connects to heater terminal post #12)

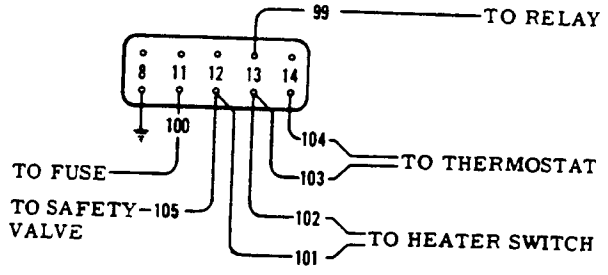
ILLUSTRATED PARTS CATALOG

FIGURE 72 ELECTRICAL WIRING DIAGRAM (SERIALS 25373 & ON)

WIRE NUMBER	LENGTH IN INCHES	SIZE	TERMINALS	
102	176	#14	Sta-Kon RB863 (Connects to heater thermostat)	Sta-Kon RB863 (Connects to heater terminal post #14)
103	61	#14	Sta-Kon RB863 (Connects to heater thermostat)	Sta-Kon RB863 (Connects to heater terminal post #13)
104	61	#18	Sta-Kon RB863 (Connects to heater terminal post #12)	Sta-Kon RB863 (Connects to heater safety valve)
105	12	#14	Sta-Kon RB863 (Connects to heater switch)	Sta-Kon RB863 (Connects to heater terminal post #13)
111	19	#18	_____ (Solders to compass light)	_____ (Solders to ground)
112	15	#18	_____ (Solders to compass resitor)	_____ (Solders to compass light)
114	6	#18	_____ (Solders to instrument light rheostat)	_____ (Solders to compass light resistor)
115	102	#18	Sta-Kon A50 & 7 (Connects to wire #119 with #7 coupler)	_____ (Solder to instrument light rheostat)
116	60	#14	Sta-Kon RB863 (Connects to landing light switch)	Sta-Kon B50 (Connects to wire #117)
117	136	#14	Sta-Kon RB863 (Connects to outboard landing light)	Sta-Kon B50 & 7 (Connects to wire #116 with #7 coupler)
118	12	#14	Sta-Kon RB863 (Connects to outboard landing light socket)	Sta-Kon RB863 (Connects to ground)
119	6	#18	(Solder to instrument light)	(Solder to instrument light)
120	6	#18	Sta-Kon RB863 (Connects to ground)	_____ (Solders to instrument light)
123	37	#18	Sta-Kon A-57 (Connects to radio dial light)	(Solders to instrument light rheostat)







S-W HEATER TERMINAL STRIP

FIGURE 72A. ELECTRICAL WIRING DIAGRAM (SERIAL 26996 AND ON)

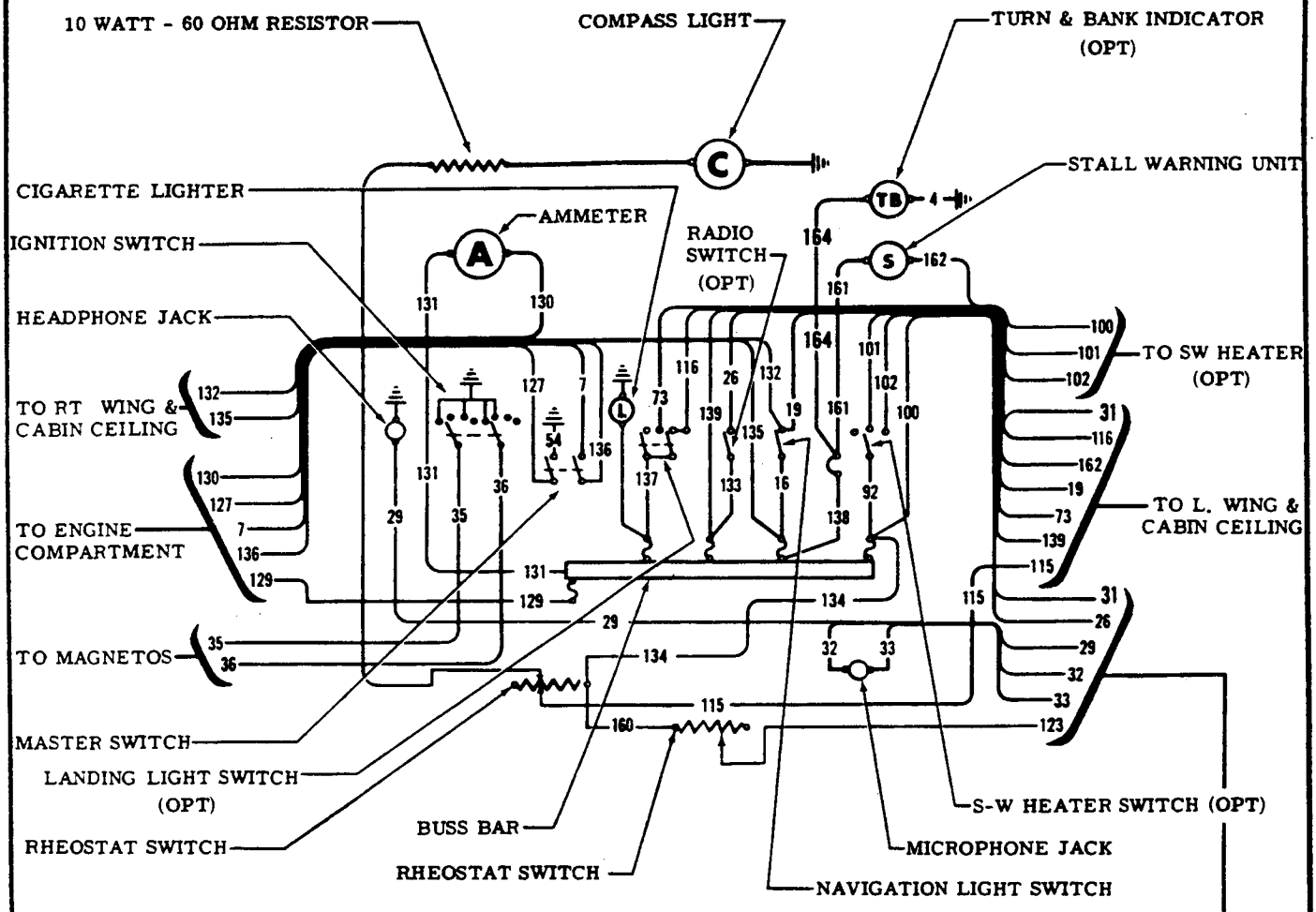


FIGURE 72A. ELECTRICAL WIRING DIAGRAM (SERIAL 26996 AND ON)

FIGURE 72A ELECTRICAL WIRING DIAGRAM (SERIAL 26996 & ON)

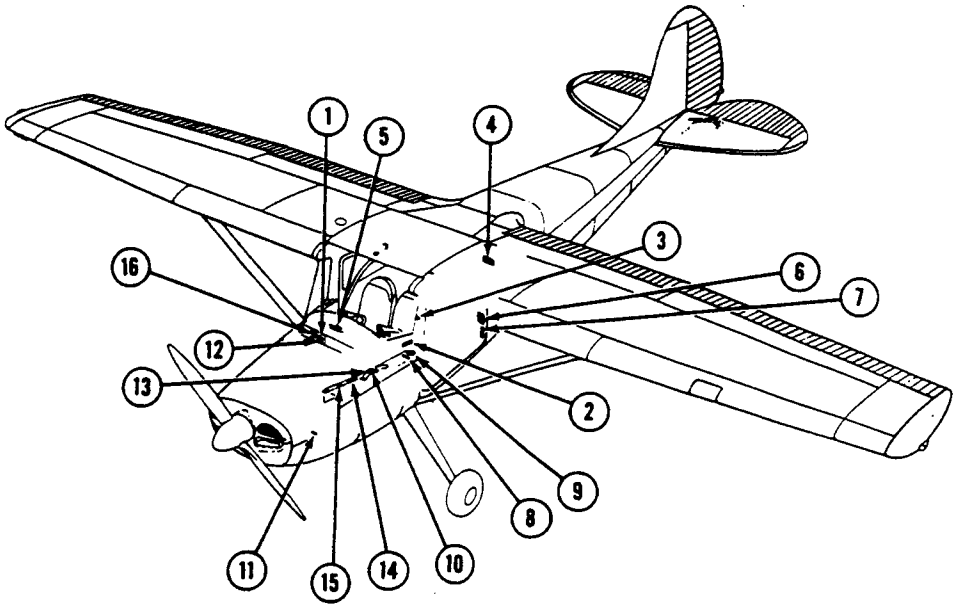
WIRE NUMBER	LENGTH IN INCHES	SIZE	TERMINALS	
4	10	#18	Sta-Kon RA863 (Connects to turn & bank indicator)	Sta-Kon RA873 (Connects to ground)
7	70	#18 (Shielded)	Sta-Kon RA863 (wire); RB863 (shield) (Connects to master switch)	Sta-Kon RA713 (wire); RB863 (shield) (Connects to generator)
15	10	#18	Sta-Kon RA863 (Connects to heater relay)	Sta-Kon RA863 (Connects to ground)
16	16	#18	Sta-Kon RA863 (Connects to navigation light switch)	(Solders to fuse retainer)
19	46	#18	Sta-Kon RA863 (Connects to navigation light switch)	Sta-Kon A50 (Connects to wire 38)
26	35	#14	Sta-Kon RB863 (Connects to radio switch)	Sta-Kon B56 (Connects to radio A+)
29	12	#18	Sta-Kon A56 (Connects to radio)	(Solder to phone jack)
31	73	#18	Sta-Kon A56 (Connects to speaker)	Sta-Kon A56 (Connects to radio)
32	38	#18	Sta-Kon A56 (Connects to radio)	(Solders to mike jack)
33	32	#18	Sta-Kon A56 (Connects to radio)	(Solders to mike jack)
35	34	#18 (Shielded)	Sta-Kon RA333 (wire); RC863 (shield) (Connects to ignition switch)	(Sta-Kon RA333 (wire); RC363 (shield) (Connects to magneto)
36	34	#18 (Shielded)	Sta-Kon RA333 (wire); RC863 (shield) (Connects to igntion switch)	Sta-Kon RA333 (wire); RC363 (shield) (Connects to magneto)
37	214	#18	Sta-Kon A56 & 7 (Connects to wire 132 with 7 coupler)	(Solders to right wing light)
38	214	#18	Sta-Kon A56 (Connects to wire 19)	(Solders to left wing light)
51	240	#18	Sta-Kon A50 (Connects to wire 153)	(Connects to wire 132) Sta-Kon RA873
54	6	#18	Sta-Kon RA863 (Connects to master switch)	(Connects to ground)
55	3	#18	Sta-Kon RA833 (Connects to master solenoid)	(Solders to F71 terminal of wire 125) Sta-Kon B50
73	60	#14	Sta-Kon RR863 (Connects to landing light switch)	(Connect to wire 74) Sta-Kon B56 & 7
74	130	#14	Sta-Kon RB863 (Connects to inboard landing light)	(Connects to wire 73 with 7 coupler) Sta-Kon RB863
76	6	#14	Sta-Kon RB863 (Connects to inboard landing light)	(Connects to ground) Sta-Kon RA863
79 *	10	#18	Sta-Kon RA333 (Connects to CA2 circuit breaker)	(Connects to stall warner) Sta-Kon RA333
80 *	42	#18	Sta-Kon A50 (Connects to wire 81)	(Connects to stall warner) Sta-Kon A50
81	92	#18	Sta-Kon RA333 (Connects to stall warning wing unit)	(Connects to wire 162 with 7 coupler) Sta-Kon RA863
82	3	#18	Sta-Kon RA333 (Connects to stall warner wing unit)	(Connects to ground) Sta-Kon RA833
90	18	#18	Sta-Kon RA333 (Connects to map light)	(Connects to map light switch)
92	18	#14	Sta-Kon RB863 (Connects to heater switch)	(Solders to fuse retainer) Sta-Kon RB333
99	66	#14	Sta-Kon RB863 (Connects to heater terminal post #13)	(Connects to heater relay)
100	176	#14	Sta-Kon RB863 (Connects to heater terminal post #11)	(Solders to fuse retainer) Sta-Kon RB863
101	176	#14	Sta-Kon RB863 (Connects to heater switch)	(Connects to heater terminal post #12) Sta-Kon RB863
102	176	#14	Sta-Kon RB863 (Connects to heater switch)	(Connects to heater terminal post #13) Sta-Kon RB863
103	61	#14	Sta-Kon RB863 (Connects to heater thermostat)	(Connects to heafer terminal post #13) Sta-Kon RB863
104	61	#14	Sta-Kon RB863 (Connects to heater terminal post #14)	(Connects to heater thermostat) Sta-Kon RB863
105	12	#14	Sta-Kon RB863 (Connects to heater safety valve)	(Connects to heater terminal post #12)

FIGURE 72A ELECTRICAL WIRING DIAGRAM (SERIAL 26996 & ON)

WIRE NUMBER	LENGTH IN INCHES	SIZE	TERMINALS	
115	102	#18	Sta-Kon A56 & 7 (Connects to wire 119 with 7 coupler)	(Solders to instrument light rheostat)
116	60	#14	Sta-Kon RB863 (Connects to landing light switch)	Sta-Kon B56 (Connects to wire 117)
117	136	#14	Sta-Kon RB863 (Connects to outboard landing light)	Sta-Kon B50 & 7 (Connects to wire 116 with 7 coupler)
118	12	#14	Sta-Kon RB863 (Connects to outboard landing light socket)	Sta-Kon RB863 (Connects to ground)
119	6	#18	(Solder to instrument light)	Sta-Kon B50 (Solder to instrument light)
120	6	#18	Sta-Kon RA333 (Connects to ground)	Sta-Kon RB836 (Solders to instrument light)
123	37	#18	Sta-Kon A57 (Connects to radio dial light)	Sta-Kon RA863 (Connects to radio light rheostat)
125	5	#4	Sta-Kon F71 (Connects to battery)	Sta-Kon F73 (Connects to solenoid)
126	26	#4	Sta-Kon F73 (Connects to solenoid)	Sta-Kon F71 (Connects to starter solenoid)
127	74	#18	Sta-Kon RA863 (Connects to master switch)	Sta-Kon RA333 (Connects to solenoid)
129	72	#10	Sta-Kon RC363 (Connects to regulator)	(Solder to fuse retainer)
130	54	#10	Sta-Kon RC363 (Connects to ammeter)	Sta-Kon RC713 (Connects to starter solenoid)
131	33	#10	Sta-Kon RC363 (Connects to ammeter)	(Solders to fuse retainer)
132	71	#18	Sta-Kon B50 (Connects to wire 37)	Sta-Kon RA863 (Connects to navigation light switch)
133	21	#14	Sta-Kon RB863 (Connect to radio switch	(Solders to fuse retainer)
134	15	#18	(Solders to fuse retainer)	(Solders to instrument light rheostat)
135	120	#18	Sta-Kon RA333 (Connects to dome light switch)	(Solders to fuse retainer)
136	50	#18 (Shielded)	Sta-Kon RA863 (wire); RB863 (shield) (Connects to master switch)	Sta-Kon RA863 (wire); RB863 (shield) (Connects to regulator)
137	18	#14	(Solders to fuse retainer)	Sta-Kon RB863 (Connects to landing light switch)
138	19	#18	Sta-Kon RA863 (Connects to circuit breaker)	(Solders to fuse retainer)
139	57	#18	Sta-Kon RA333 (Connect to map light switch)	(Solders to fuse retainer)
145	6	#18	Sta-Kon RA333 (Connects to dome light switch)	(Solders to dome light)
146	22	#10	Sta-Kon RC363 (Connects to regulator)	Sta-Kon RC713 (Connects to generator)
149 **	3	#18	Sta-Kon RA333 (Connects to master solenoid)	Sta-Kon RA733 (Connects to wire 150)
150 **	5	#4	Sta-Kon F73 (Connects to battery)	Sta-Kon F73 (Connects to wire 149)
151 **	19	#4	Sta-Kon F73 (Connects to wire 150)	Sta-Kon F73 (Connects to ground service plug)
152 **	26	#4	Sta-Kon F73 (Connects to solenoid)	Sta-Kon F73 (Connects to starter)
153	32	#18	Sta-Kon A56 (Connects to wire 51 with coupler)	(Solders to tail light)
160	3	#18	(Solders to instrument light rheostat)	(Solders to radio light rheostat)
161	42	#18	Sta-Kon RA333 (Connects to CA2 circuit breaker)	Sta-Kon RA863 (Connects to stall warner)
162	86	#18	Sta-Kon RA333 (Connects to stall warner)	Sta-Kon A56 (Connects to wire 81)
164	12	#18	Sta-Kon RA863 (Connects to turn & bank indicator)	Sta-Kon RA863 (Connects to circuit breaker)

* Effective serials 26039 thru 26995

** Effective serials 26695 thru 26754



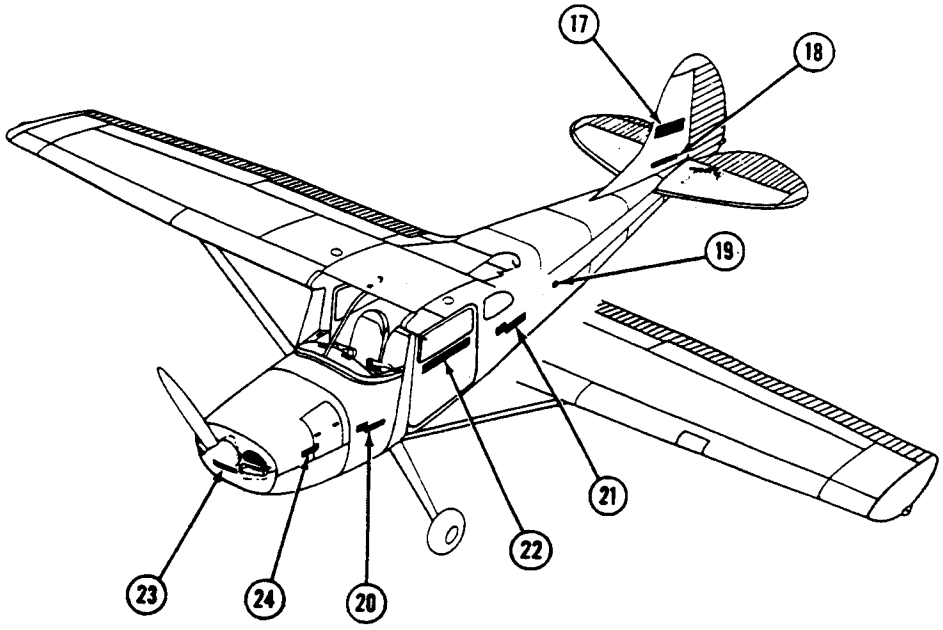
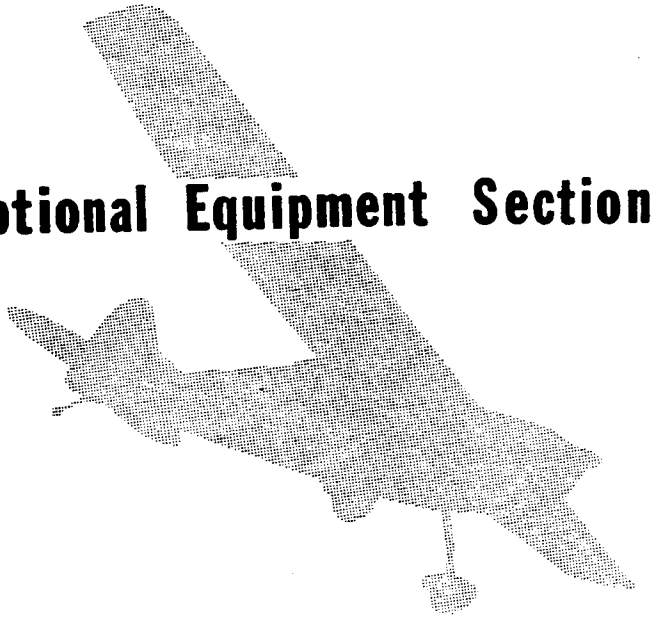


FIGURE 72B. - DECALS, PLACARDS AND EXTERIOR MARKINGS INSTALLATION

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
72B-	No Number	Decals, Placards, and Exterior Markings Installation - (See figure 1 for NHA)	Ref
-1	0513028	. Decal - Operational limitations (serial 20267 thru 26995) (see fig. 37, 42, 42A for NHA)	Ref
-2	0513028	. Decal - Operational limitations (serial 26996 & on) (see figure 36A for NHA)	Ref
-3	0713210-4	. Decal - Map light (see figure 36, 36A, for NHA)	Ref
-4	0512120	. Placard - Load limits	1
-5	0713212	. Insignia - Decorative emblem (serial 25373 & on) (see figure 43 for NHA)	Ref
-6	0413261	. M.A.A. Name Plate - (See figure 17 for installation)	Ref
-7	0713047	. Plate - Finish and trim	1
-8	0511168	. Placard - Both tanks on (see figures 35, 36, 36A for NHA)	Ref
-9	0511167	. Plate - Fuel selector valve (see figure 63 for NHA)	Ref
-10	0411422	. Decal - Tab position indicator (see figure 69 for NHA)	Ref
-11	0513022-1	. Decal - Drain valve (see figure 63 for NHA)	Ref
-12	0411749-5	. Decal - Spare fuses (see figures 37, 42, 42A for NHA)	Ref
-13	0413179	. Decal - Take off range	1
-14	0510186	. Decal - Pull to extend (see figure 68 for NHA) (use with (3) three notch ratchet)	Ref
	0510191	. Decal - Pull to extend (see figure 68 for NHA) (use with (4) four notch ratchet)	Ref
-15	0510188	. Decal - Avoid slips (see figure 68 for NHA)	Ref
-16	0413114-1	. Decal - Service information (see figures 37, 42, 42A for NHA)	Ref
-17	S-31-11	. Stencil - Tail marking (serial 20267 thru 25372)	1
	0500018-2	. Stencil - Tail marking (serial 25373 thru 26038)	1
	0500023	. Stencil - Tail marking (serial 26039 thru 26995)	1
-18	0500022	. Stencil - Tail marking (serial 26505 thru 26995)	1
-19	0500026	. Decal - Fuselage insignia (serial 26996 & on)	1
	0500026-1	. Decal - Fuselage insignia (serial 26996 & on)	1
-20	0500016	. Stencil - Script (serial 26039 thru 26504)	1
-21	0500021	. Stencil - Script (serial 26505 thru 26995)	1
-22	0500018-1	. Stencil - Door marking (serial 25373 thru 26038)	1
	0500022	. Stencil - Door marking (serial 26039 thru 26504)	1
	0500027-1	. Stencil - Door marking (serial 26996 & on)	1
	0500030	. Placard - Copyright (serial 26996 & on)	2
-23	0452196	. Stencil - Nose marking (serial 20267 thru 25372)	1
-24	0500018-1	. Stencil - Cowl marking (serial 20267 thru 25372)	1

Optional Equipment Section



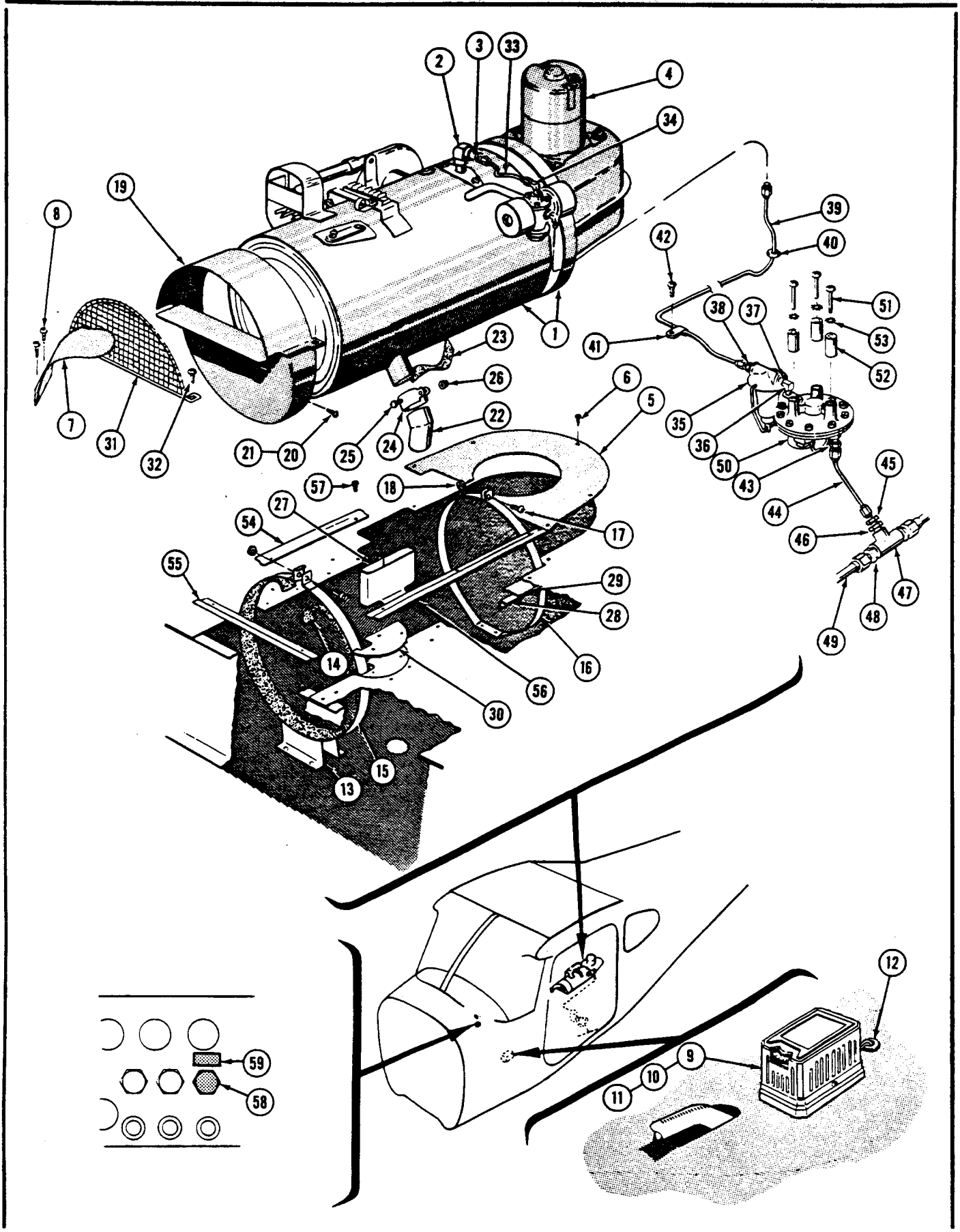


FIGURE 73. STEWART-WARNER CABIN HEATER INSTALLATION

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
73-	52-3-897	Installation Kit - Stewart-Warner heater	1
-1	0511231-17	. Heater Assembly - Stewart-Warner (see figure 73A for breakdown)	1
-2	AN916-1D	. Elbow	1
-3	AN816-2D	. Adapter	1
-4	0311779-4	. Blower Assembly - (Stewart-Warner No. 485201)	1
-5	0511231-8	. Shield - Blower	1
-6	PK76XZ-8-8	. Screw - (Attach shield)	5
-7	0511231-20	. Deflector	1
-8	PK76XZ-8-8	. Screw - (Attach deflector)	2
-9	0311779-30	. Thermostat - Remote control	1
-10	PK76XZ-8-10	. Screw - (Attach thermostat)	4
-11	NAS446-4	. Nut - (Attach thermostat) (Tinnerman A1778-8Z-3)	4
-12	AN931-3-5	. Grommet - Thermostat wire	1
-13	0311752-8	. Support - Heater	1
-14	0311779-22	. Belting - (Stewart - Warner No. 475229)	1
-15	0311779-23	. Strap Assembly - (Stewart-Warner No. 475232)	1
-16	0511231-15	. Clamp - Heater mounting	1
-17	AN526-1032R8	. Screw - (Attach clamp)	1
-18	AN365-1032	. Nut - (Attach clamp)	1
-19	0511231-14	. Deflector Assembly - Air outlet	1
-20	PK76XZ-8-6	. Screw - (Attach deflector)	4
-21	AN960A10L	. Washer - (Attach deflector)	AR
-22	0311752-5	. Stack - Exhaust	1
-23	0311752-10	. Tape	1
-24	AN741D13	. Clamp	1
-25	AN3-5A	. Bolt	1
-26	AN365-1032	. Nut	1
-27	0511231-39	. Duct	1
-28	0511231-6	. Stiffener	1
-29	0511231-7	. Doubler - Heater cutout	1
-30	0511231-22	. Plate - Heater cutout	1
-31	0311796	. Screen	1
-32	PK76XZ-8-8	. Screw - (Attach screen)	2
-33	0500106-78	. Fuel Line - (Solenoid valve to heater)	1
-34	AN822-2D	. Elbow	2
-35	0311752-30	. Filter - Fuel	1
-36	AN914-1	. Elbow	1
-37	0311779-18	. Nipple	1
-38	AN816-2B	. Adapter	1
-39	0500106-77	. Fuel Line - (Solenoid to filter)	1
-40	AN931-2S9	. Grommet	1
-41	A2981A-4-27	. Clamp - (Attach fuel line)	1
-42	PK76XZ-8-6	. Screw - (Attach clamp)	1
-43	AN816-2B	. Adapter	1
-44	0500106-76	. Fuel Line - (Adapter to tee)	1
-45	AN816-2B	. Adapter	1
-46	AN912-1D	. Bushing	1
-47	AN917-2D	. Tee	1
-48	AN816-6D	. Adapter	2
-49	0511106-75	. Fuel line - (Tee to fuel selector valve)	1
-50	0311779-17	. Valve - Safety (Stewart-Warner No. G-485207)	1
-51	AN526-1032R20	. Screw - (Attach safety valve)	3
-52	NAS43-3-64	. Spacer - (Attach safety valve)	3
-53	0311779-26	. Lock Washer - (Attach safety valve)(Stewart-Warner No. 3-481074)	3
-54	0311772-2	. Retainer Strip - Carpet inboard	1
-55	0311772-3	. Retainer Strip - Carpet forward	1
-56	0311772-4	. Retainer Strip - Carpet outboard	1
-57	PK76XZ-8-8	. Screw - (Attach retainer strip)	9
-58	0713026-4	. Switch - Heater	1
-59	0511231-40	. Placard - Heater switch	1
	0500005-99	. Wire - (Relay to terminal strip)	1
	0500005-100	. Wire - (Terminal strip to fuse)	1
	0500005-101	. Wire - (Terminal strip to fan switch)	1
	0500005-102	. Wire - (Terminal strip to thermostat)	1
	0500005-103	. Wire - (Terminal strip to thermostat)	1
	0500005-104	. Wire - (Terminal strip to safety valve)	1
	0500005-105	. Wire - (Terminal strip to control switch)	1

ILLUSTRATED PARTS CATALOG

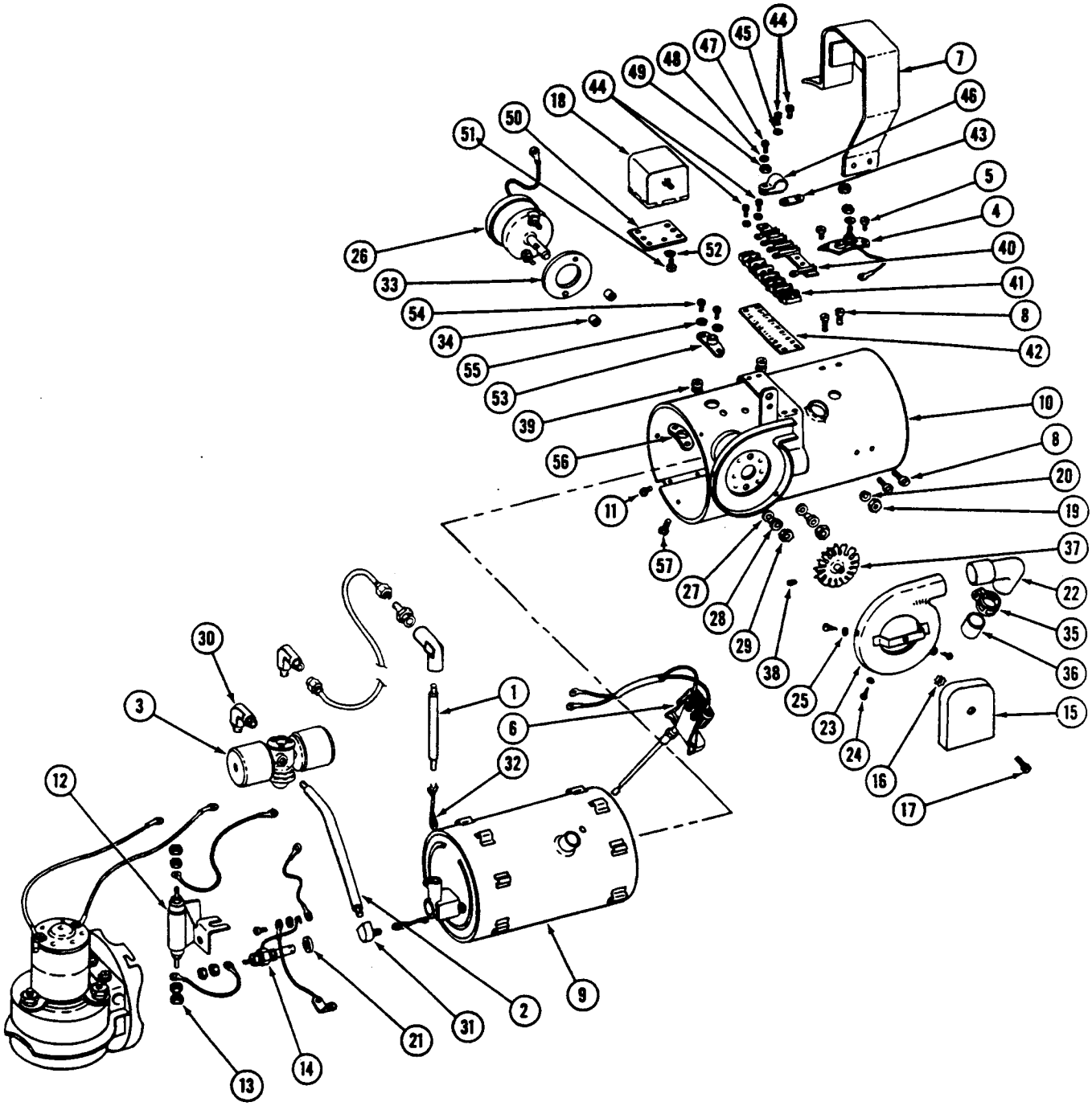
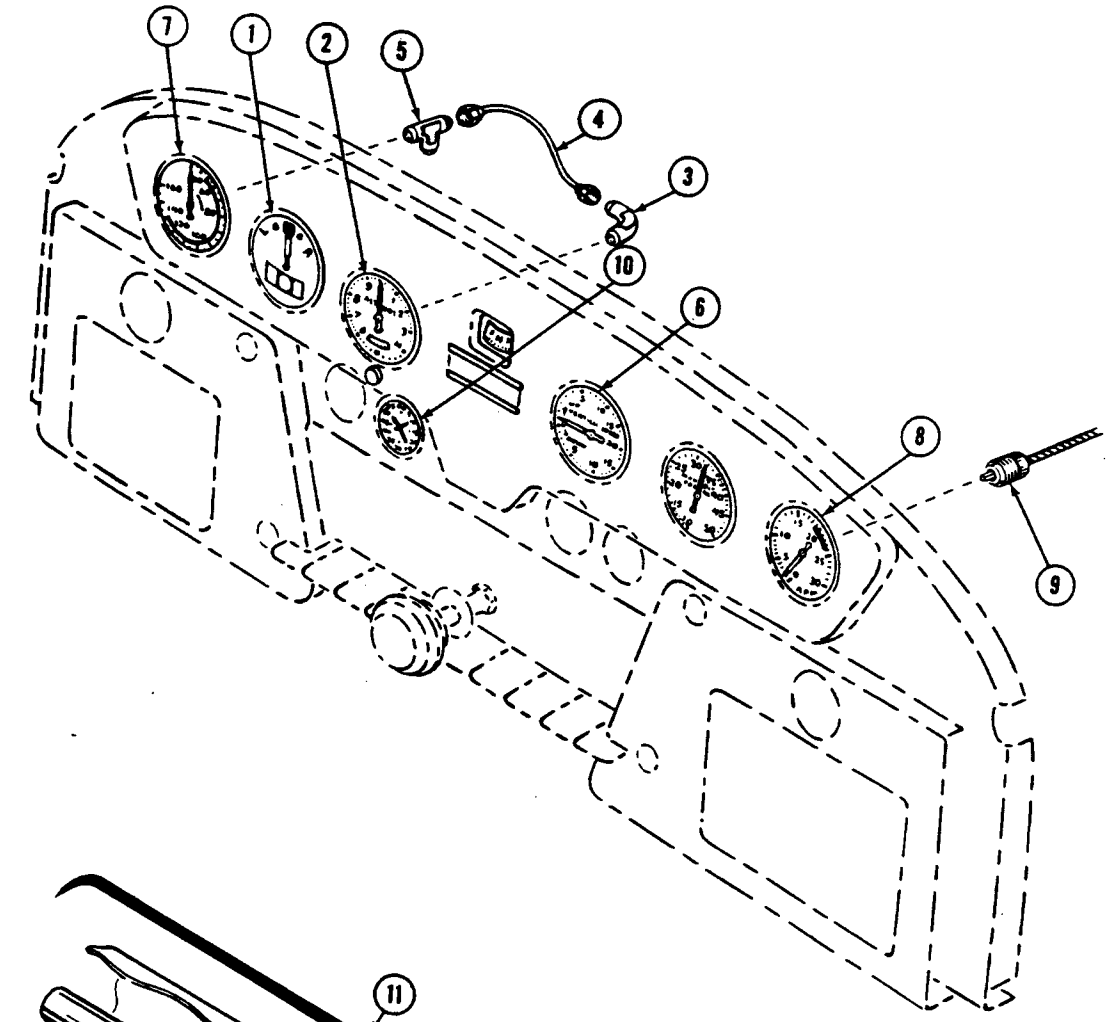


FIGURE 73A. STEWART-WARNER CABIN HEATER ASSEMBLY

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
73A-	0511231-17	Heater Assembly - Stewart-Warner (see figure 73 for NHA)	Ref
-1	0511231-4	. Stand Pipe	1
-2	0511231-5	. Drip Pipe	1
	0311779-2	. Heater - Model 979-B-1 (Stewart-Warner No. G-485200)	1
-3	0511231-16	. . Valve Assembly - Fuel control (Stewart-Warner G-486157)	1
-4	0311779-6	. . Switch Assembly - Overheat (Stewart-Warner G-485010)	1
-5	0311779-69	. . Screw - (Attach overheat switch assembly)(Stewart-Warner 83624)	2
-6	0311779-7	. . Switch Assembly - Flame (Stewart-Warner G-486161)	1
-7	0311779-8	. . Guard Assembly - Flame (Stewart-Warner G-485269)	1
-8	0311779-69	. . Screw - (Attach guard assembly)(Stewart-Warner 83624)	4
-9	0311779-9	. . Exchanger Assembly - (Stewart-Warner G-484865)	1
-10	0311779-10	. . Housing Assembly - (Stewart-Warner G-484907)	1
-11	0311779-75	. . Screw - (Stewart-Warner 85040)	3
-12	0311779-11	. . Resistor - (Stewart-Warner G-475935)	1
-13	0311779-90	. . Nut - (Attach wire to resistor)(Stewart-Warner 7228)	6
-14	0311779-12	. . Igniter Assembly - (Stewart-Warner G-474942)	1
-15	0311779-13	. . Shield - Blower (Stewart-Warner 485037)	1
-16	0311779-71	. . Lockwasher - (Attach shield)(Stewart-Warner 475005)	1
-17	0311779-98	. . Screw - (Attach shield)(Stewart-Warner 475768)	1
-18	0311779-14	. . Relay - (Stewart-Warner 475939)	1
-19	0311779-72	. . Nut - (Attach relay)(Stewart-Warner 45569)	1
-20	0311779-99	. . Lockwasher - (Attach relay)(Stewart-Warner 61086)	1
-21	0311779-15	. . Gasket - Igniter (Stewart-Warner 475067)	1
-22	0311779-47	. . Elbow - Fuel air (Stewart-Warner 474924)	1
-23	0311779-48	. . Housing Assembly - Bracket (Stewart-Warner G-485016)	1
-24	0311779-70	. . Screw - (Attach housing)(Stewart-Warner 17093)	3
-25	0311779-89	. . Washer - (Attach housing)(Stewart-Warner 77856)	3
-26	0311779-49	. . Motor Assembly (Stewart-Warner G-485210)	1
-27	0311779-76	. . Washer - Rubber (attach motor)(Stewart-Warner 476226)	2
-28	0311779-77	. . Washer - (Attach motor)(Stewart-Warner 474945)	2
-29	0311779-78	. . Nut - (Attach motor)(Stewart-Warner 12349)	2
-30	AN822-2D	. . Elbow	1
-31	0311779-52	. . Elbow - (Stewart-Warner 484230)	1
-32	0311779-55	. . Cable - Knit (Stewart-Warner 474948)	3
-33	0311779-65	. . Spacer - (Stewart-Warner 476227)	1
-34	0311779-66	. . Spacer - Centering (Stewart-Warner 484921)	2
-35	0311779-67	. . Clamp - Hose (Stewart-Warner 474932)	1
-36	0311779-68	. . Hose - (Stewart-Warner 474931)	1
-37	0311779-73	. . Wheel - Blower (Stewart-Warner G-484046)	1
-38	0311779-88	. . Screw - Cup Point (Attach blower wheel)(Stewart-Warner 471036)	1
-39	0311779-79	. . Grommet - (Stewart-Warner 475127)	2
-40	0311779-80	. . Connecting Strip - (Stewart-Warner 484955)	1
-41	0311779-81	. . Strip - Terminal (Stewart-Warner 484140)	1
-42	0311779-82	. . Strip - Double marker (Stewart-Warner 484857)	1
-43	0311779-84	. . Jumper - (Stewart-Warner 485152)	1
-44	0311779-97	. . Screw - (Attach terminals and component parts)(Stewart-Warner 76694)	4
-45	0311779-101	. . Washer - (Attach terminals and component parts)(Stewart-Warner 79404)	3
-46	0311779-83	. . Clamp - Cable (Stewart-Warner 484986)	1
-47	0311779-100	. . Screw - (Attach clamp)(Stewart-Warner 77863)	1
-48	0311779-102	. . Lockwasher - (Attach clamp)(Stewart-Warner 79372)	1
-49	0311779-96	. . Nut - (Attach clamp)(Stewart-Warner 76784)	1
-50	0311779-85	. . Insulator - Relay (Stewart-Warner 475928)	1
-51	0311779-86	. . Screw - (Attach insulator)(Stewart-Warner 12439)	7
-52	0311779-94	. . Lockwasher - (Attach insulator)(Stewart-Warner 43036)	7
-53	0311779-87	. . Flange - (Stewart-Warner 474910)	1
-54	0311779-95	. . Screw - (Attach flange to housing)(Stewart-Warner 79003)	2
-55	0311779-101	. . Washer - (Attach flange to housing)(Stewart-Warner 79404)	2
-56	0311779-74	. . Plate - Tapping (attach flange to housing)(Stewart-Warner 484121)	1
-57	0311779-69	. . Screw - (Attach blower assembly to housing assembly)(Stewart-Warner 83624)	3



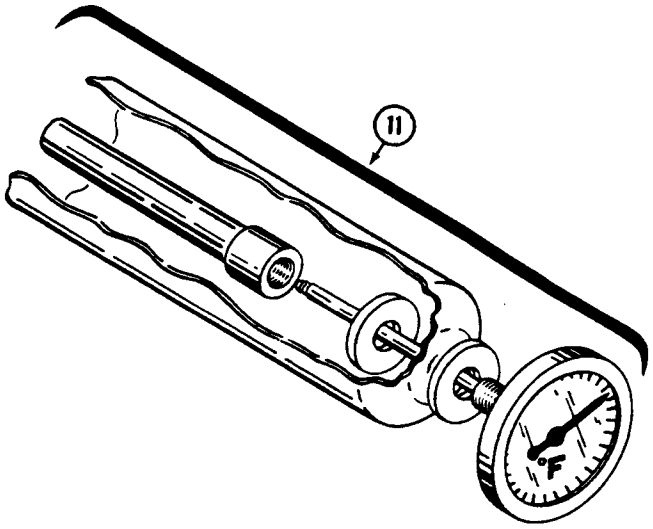


FIGURE 74. OPTIONAL INSTRUMENT COMBINATIONS (SERIALS 20267 THRU 25372)

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
74-	No Number	Turn And Bank Indicator Installation	Ref
-1	0411009-4	. Indicator - Turn and bank	1
	0500005-4	. Wire - (Turn and bank indicator to ground)	1
	0500005-15	. Wire - (Switch to turn and bank indicator)	1
	No Number	Altimeter Installation - Sensitive	Ref
-2	0411007-10	. Altimeter - Sensitive	1
-3	AN822-4D	. Elbow	1
-4	0500106-56	. Static Line - (Sensitive altimeter to airspeed indicator)	1
-5	AN826-4D	. Tee	1
-6	0411069-3	Indicator - Vertical speed	1
-7	0411086-11	Indicator - Airspeed (marked for floatplane)	1
-8	0411087-21	Tachometer - Recording	1
-9	0450017-7	Shaft - Recording tachometer	1
-10	0411010-3	Clock	1
-11	0411078-1	Gage Assembly - Outside air temperature	1
		. Gage - (Not available as separate item)	1
		. Gasket - (Not available as separate item)	2
		. Washer - (Not available as separate item)	1
		. Shield - (Not available as separate item)	1

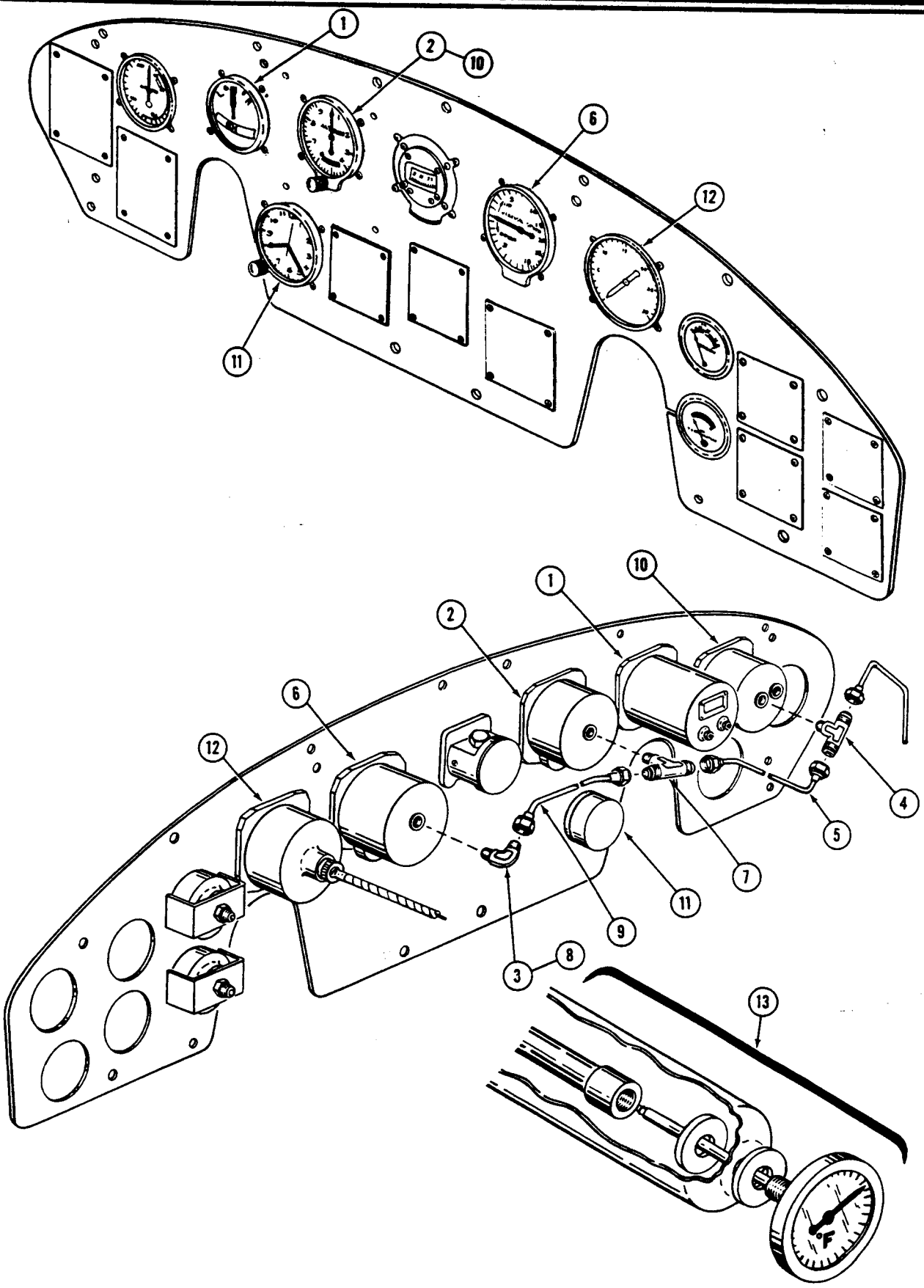


FIGURE 75. OPTIONAL INSTRUMENT COMBINATIONS (SERIALS 25373 AND ON)

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
75-	No Number	Turn and Bank Indicator Installation	Ref
-1	0411009-4	. Indicator - Turn & bank	1
	0500005-4	. Wire - (Ground to turn and bank indicator)	1
	0500005-15	. Wire - (Circuit breaker to turn & bank indicator)	1
	No Number	Altimeter Installation - Sensitive	Ref
-2	0411007-10	. Altimeter - Sensitive	1
-3	AN822-4D	. Elbow - (Used with sensitive altimeter and airspeed indicator)	1
-4	AN825-4D	. Tee	1
-5	0500106-128	. Static Line - (Airspeed indicator to sensitive altimeter)	1
	No Number	Vertical Speed Indicator Installation	Ref
-6	0411069-4	. Indicator - Vertical speed	1
-7	AN825-4D	. Tee	1
-8	AN822-4D	. Elbow	1
-9	0500106-130	. Static Line - (Altimeter to vertical speed indicator)	1
-10	0411086-11	Indicator - Airspeed (marked for floatplane)	1
-11	0411010-3	Clock	1
-12	0411087-21	Tachometer - Recording	1
-13	0411078-1	Gage Assembly - Outside air temperature	1
		. Gage - (Not available as separate item)	1
		. Gasket - Rubber (not available as separate item)	2
		. Washer - (Not available as separate item)	1
		. Shield - (Not available as separate item)	1

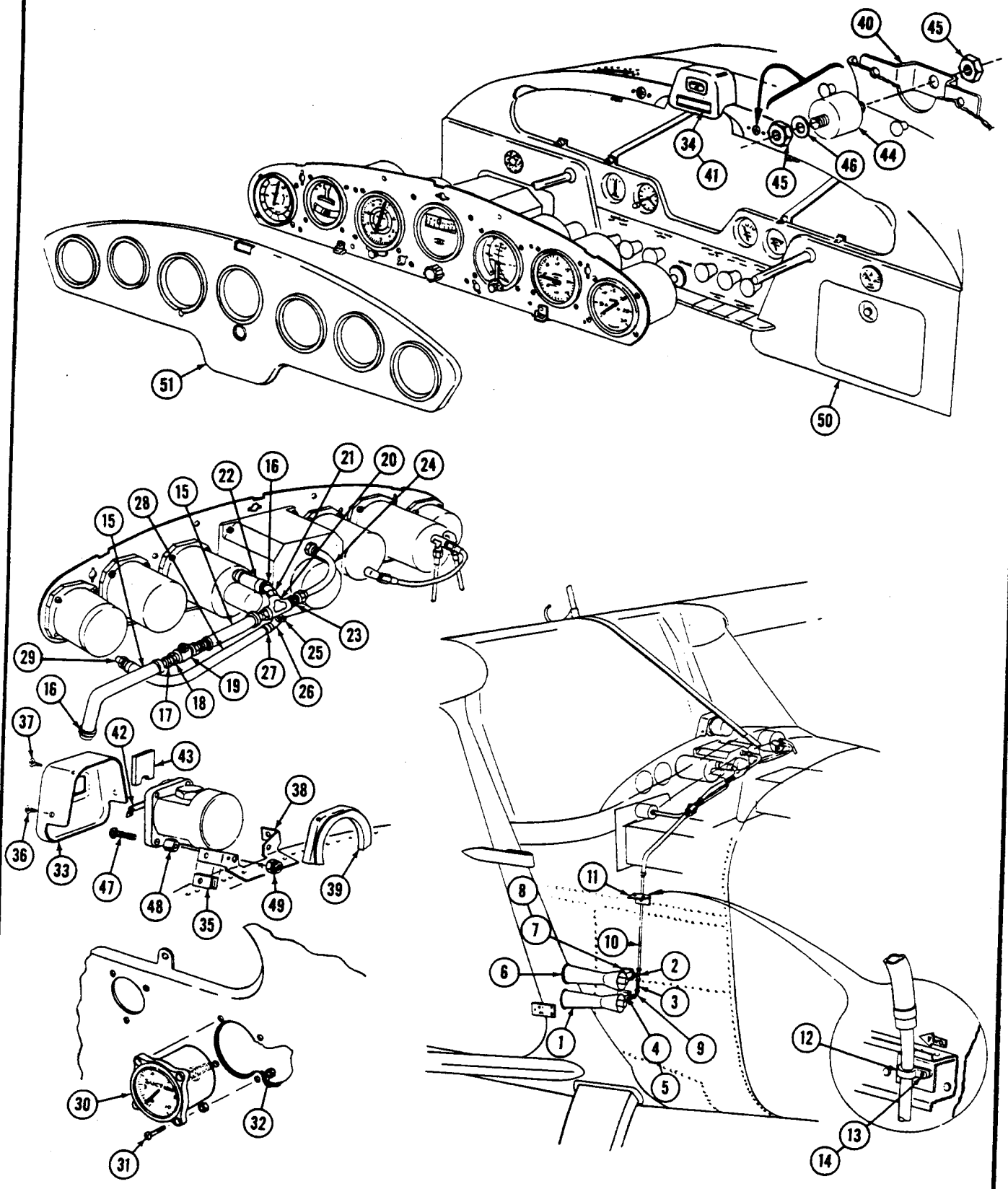


FIGURE 76. GYRO PANEL KIT (SERIALS 20267 THRU 25372)

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
76-	AK7053-14 *	Installation Kit - Additional venturi tube	1
-1	AN5807-1	. Tube - Venturi gyro (Sperry No. 21-0102)	1
-2	AN826-6D	. Tee	1
-3	0500106-155	. Tube - (Elvow to tube)	1
-4	AN526-1032R10	. Screw - (Attach venturi tube)	4
-5	AN365-1032	. Nut - (Attach venturi tube)	4
	AK70B52-10 **	Installation Kit - Venturi gyro (less gyro instruments)	1
-6	AN5807-1	. Tube- Venturi gyro (Sperry No. 21-0102)	1
-7	AN526-1032R10	. Screw - (Attach venturi tube)	4
-8	AN365-1032	. Nut - (Attach venturi tube)	4
-9	AN822-6D	. Elbow	1
-10	0500106-58	. Line - (Venturi to engine mount stringer)	1
-11	0311007-3	. Bracket	1
-12	A3046-6	. Clamp - (Attach line)	1
-13	AN526-832R7	. Screw - (Attach clamp)	1
-14	AN365-832	. Nut - (Attach clamp)	1
-15	S-51-6-40	. Hose	2
-16	NAS397-12	. Clamp - (Attach hose) (Tinnerman A3122-12-59)	6
-17	AN840-6D	. Adapter	3
-18	AN912-2D	. Bushing	2
-19	0511059	. Valve - (Pesco No. 3V-195)	1
-20	AN917-2D	. Tee	1
-21	AN844-6D	. Elbow	3
-22	S-51-6-11	. Hose - (Gyro horizon to tee)	1
-23	AN816-6D	. Nipple	2
-24	0500106-57	. Tube Assembly - (Tee to directional gyro)	1
-25	AN912-1D	. Bushing	1
-26	AN844-4D	. Elbow	1
-27	NAS397-10	. Clamp - (Tinnerman A3122-10-59)	2
-28	S-51-4-56	. Hose - (Instrument to suction gage)	1
-29	AN840-4D	. Adapter	1
-30	0311057-1	. Gage - Suction	1
-31	AN505-8R14	. Screw - (Attach suction gage)	4
-32	AN365-832	. Nut - (Attach suction gage)	4
	0511010-50	. Cover Assembly - Compass	1
-33	0511010-8	. . Cover - Compass front	1
-34	0513020	. . Retainer - Compass card	1
-35	NAS395-3-3	. . Nut - (Tinnerman A6052-6Z-3)	2
-36	PK76XZ-6-8	. . Screw - (Attach compass cover to bracket)	2
-37	PK76XZ-4-5	. . Screw	2
-38	0511010-6	. . Bracket	1
-39	0511010-12	. . Shield - Compass aft	1
-40	0511010-4	. Bracket - Shock mount	2
-41	0513012	. Card - Compass	1
-42	0511010-15	. Bracket - Light conductor	1
-43	0511021	. Conductor - Light	1
-44	0411059-1	. Mount - Shock	2
-45	AN340B8	. Nut - (Attach shock mount)	4
-46	AN936A8	. Washer - (Attach shock mount)	4
-47	AN515B6-16	. Screw - (Attach compass)	2
-48	NAS43DD-1-32	. Spacer - (Attach compass)	2
-49	AN365B632	. Nut - (Attach compass)	2
-50	0513114-5	. Panel Assembly - R. H.	1
-51	0513026	. Cover Assembly - Shock mounted panel	1

**Kit No. AK70B52-10 is a single venturi installation.
*Kit No. AK7053-14 is for additional venturi tube.
Order both kits for double venturi installation.

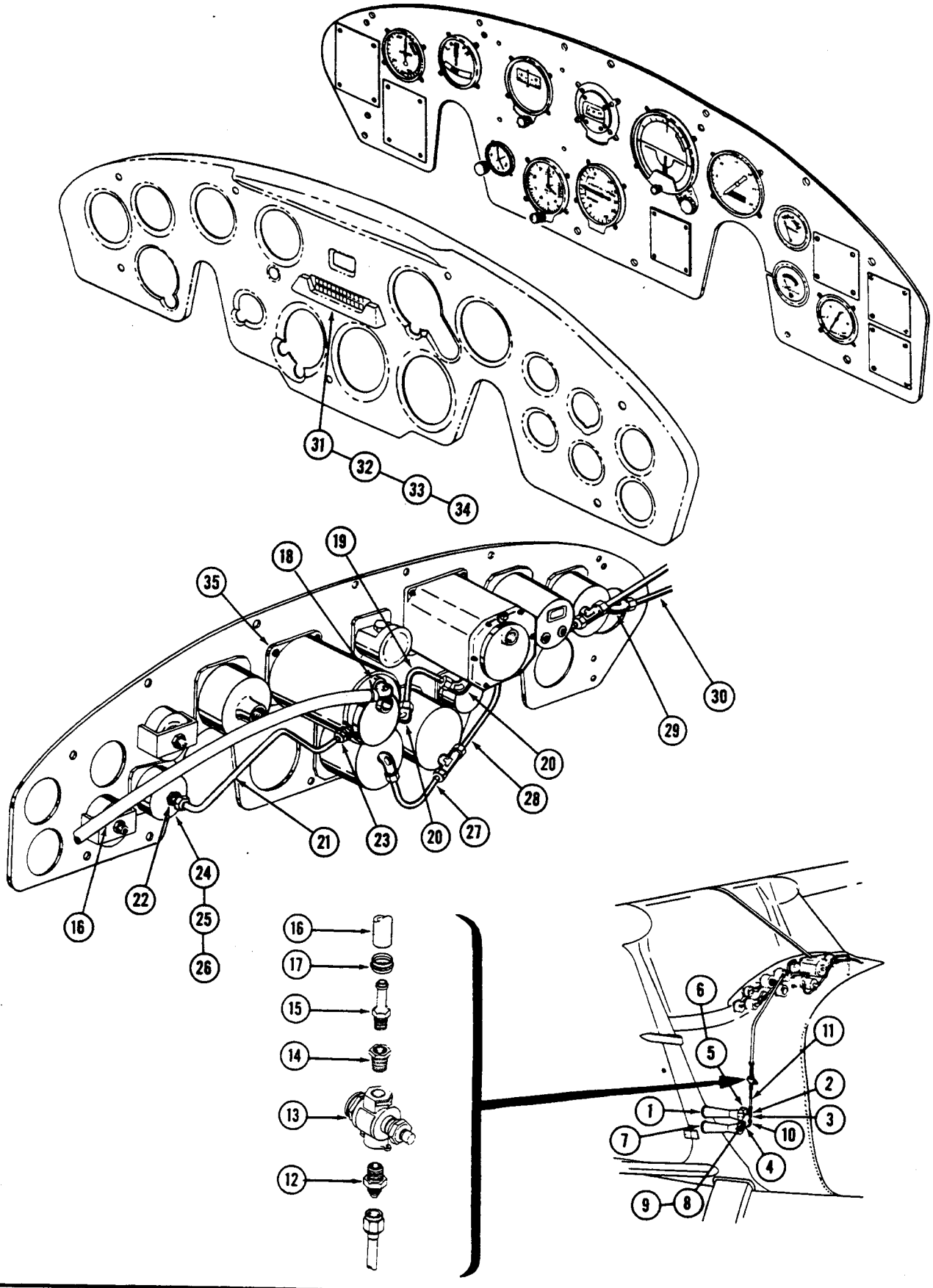


FIGURE 77. GYRO PANEL KIT (SERIALS 25373 AND ON)

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
77-	AK7053-14*	Installation Kit - Additional venturi tube	1
-1	AN5807-1	. Tube - Venturi (Sperry part no. 21-0102	1
-2	AN825-6D	. Tee	1
-3	0500106-155	. Tube - (Elbow to tee)	1
-4	0511010-17	. Stiffener - Mounting	1
-5	AN526-1032R10	. Screw - (Attach venturi tube)	4
-6	AN365-1032	. Nut - (Attach venturi tube)	4
	AK7053-7 **	Installation Kit - Venturi gyro (less gyro instruments)	1
-7	AN5807-1	. Tube - Venturi (Sperry no. 21-0102)	2
-8	AN526-1032R10	. Screw - (Attach venturi tube)	4
-9	AN365-1032	. Nut - (Attach venturi tube)	4
-10	AN822-6D	. Elbow	1
-11	0500106-148	. Line - Venturi tube to relief valve	1
-12	AN816-6-6D	. Nipple - (Attach line at valve)	1
-13	0511059	. Valve - Relief	1
-14	AN912-2D	. Bushing - (Attach line to valve)	1
-15	AN840-6D	. Adapter - (Attach line to valve)	1
-16	S-51-6-84	. Hose - (Valve to gyro horizon)	1
-17	NAS397-12-59	. Clamp - (Tinnerman A3122-12-59)	2
-18	AN844-6D	. Elbow	1
-19	0500106-146	. Line -(Directional gyro to gyro horizon)	1
-20	AN822-6D	. Elbow	2
-21	0500106-124	. Line - (Gyro horizon to suction gage)	1
-22	AN822-4D	. Nipple	1
-23	AN822-4-4D	. Nipple	1
-24	0311057-2	. Gage - Suction	1
-25	AN515B6R	. Screw - (Attach suction gage)	4
-26	AN365B632	. Nut - (Attach suction gage)	4
-27	0500106-146	. Line - Static (altimeter to vertical speed indicator)	1
-28	0500106-123	. Line - Static (airspeed to sensitive altimeter)	1
-29	AN823-4D	. Elbow	1
-30	0500106-125	. Line - Static	1
	0513004-26	. Cover Assembly - Shock panel	1
-31	0713028-2	. . Card - Compass	1
-32	0713028-3	. . Cover - Compass card	1
-33	0713028-1	. . Retainer - Compass card	1
-34	AN526-632R4	. . Screw - (Attach retainer)	2
-35	AN526-1032R16	Screw - (Attach gyro instruments)	7

**Kit No. AK7053-7 is a single venturi installation.
*Kit No. AK7053-14 is for additional venturi tube.
Order both kits for double venturi installation.

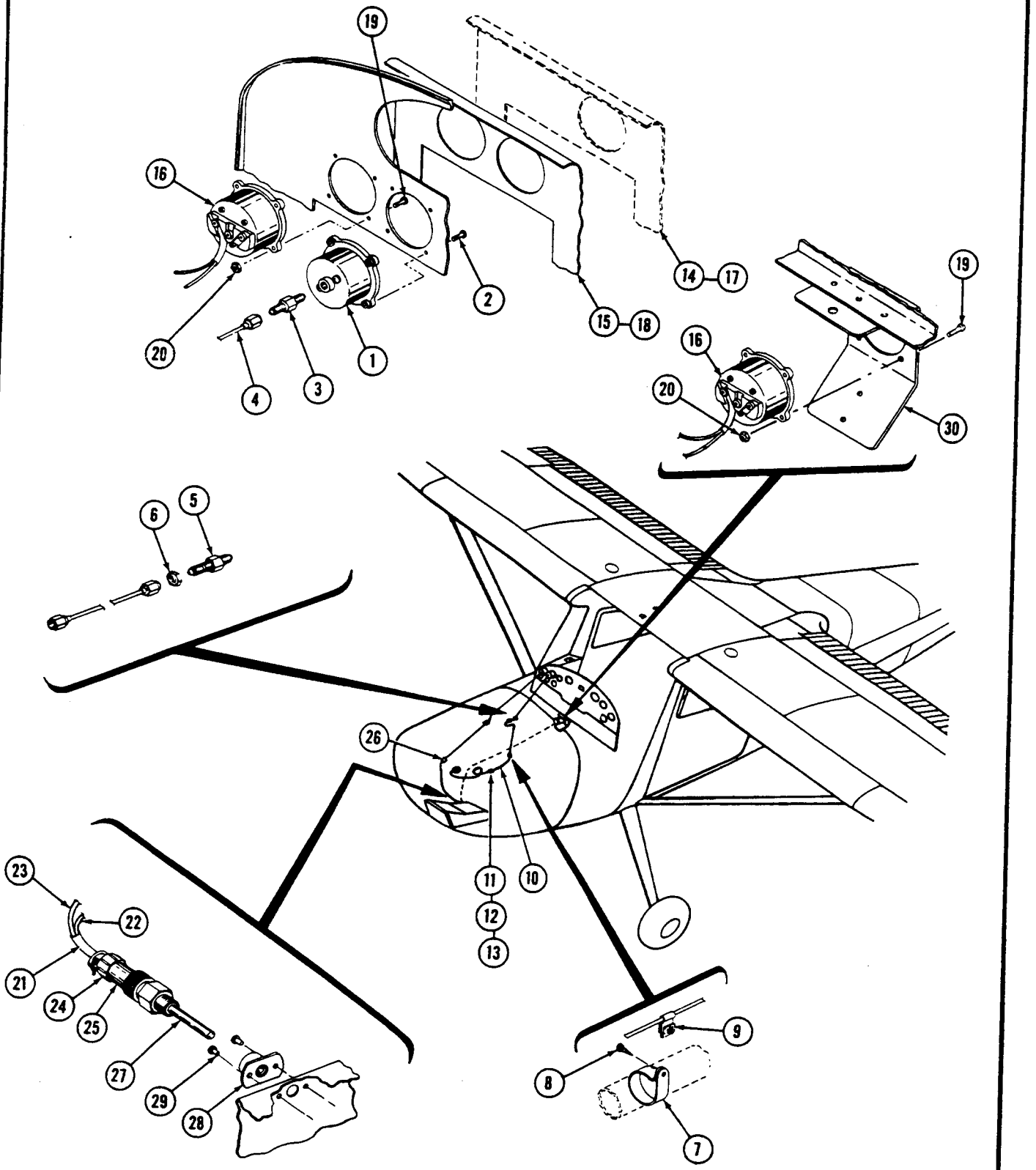


FIGURE 78. - MANIFOLD PRESSURE AND CARBURETOR AIR TEMPERATURE GAGE (SERIALS 20267 THRU 25372)

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER		DESCRIPTION	UNITS PER ASS'Y
78-	52-3-892		Installation Kit - Manifold pressure gage (serial 20267 thru 25372)	1
-1	0413319-3		. Gage - Manifold pressure	1
-2	AN515B6R		. Screw - (Attach gage)	4
-3	AN816-2D		. Adapter	1
-4	0500106-34		. Line - (Gage to firewall)	1
-5	AN832-2D		. Coupling	1
-6	AN924-2D		. Nut	1
-7	AN742D2		. Clamp - (Tinnerman)	1
-8	PK76XZ-8-6		. Screw - (Attach clamp)	1
-9	NAS446-4		. Nut - (Tinnerman A1778-8Z-3)	1
-10	0500106-33		. Line - (Firewall to adapter)	1
-11	AN742D20		. Clamp - (Tinnerman A2980A-20)	1
-12	NAS434D2		. Clamp - (Tinnerman A2981A-2)	1
-13	PK76XZ-8-6		. Screw - (Attach clamp)	1
-14	0513114-5	*	. Cover Assembly - Instrument panel (1 hole)	1
-15	0513114-6	*	. Cover Assembly - Instrument panel (2 holes) (alternate for 0513114-5)	1
	52-3-894		Installation Kit - Carburetor air temperature (serial 20267 thru 25372)	1
-16	0311020-8		. Gage - Carburetor air temperature	1
-17	0513114-5	*	. Cover Assembly - Instrument panel (1 hole)	1
-18	0513114-6	*	. Cover Assembly - Instrument panel (2 holes) (alternate for 0513114-5)	1
-19	AN515-6R14		. Screw - (Attach gage)	4
-20	AN365-632		. Nut - (Attach gage)	4
-21	0511055-3		. Wire Assembly - Carburetor air temperature	1
-22	0500005-142		. . Wire	1
-23	0500005-143		. . Wire	1
-24	AN3108-12S-3S		. . Plug	1
-25	AN3057-4		. . Adapter	1
-26	NAS437-3C-1		. Band - (United Carr #49166-1)	2
-27	AN5525-1		. Bulb	1
-28	0411849		. Nut	1
-29	AN470-AD5		. Rivets-(Attach nut)	2
-30	0511055-2		Bracket - Instrument mounting	1

*NOTE:
When ordering kits state which cover panel is desired (0513114-5 or 0513114-6)

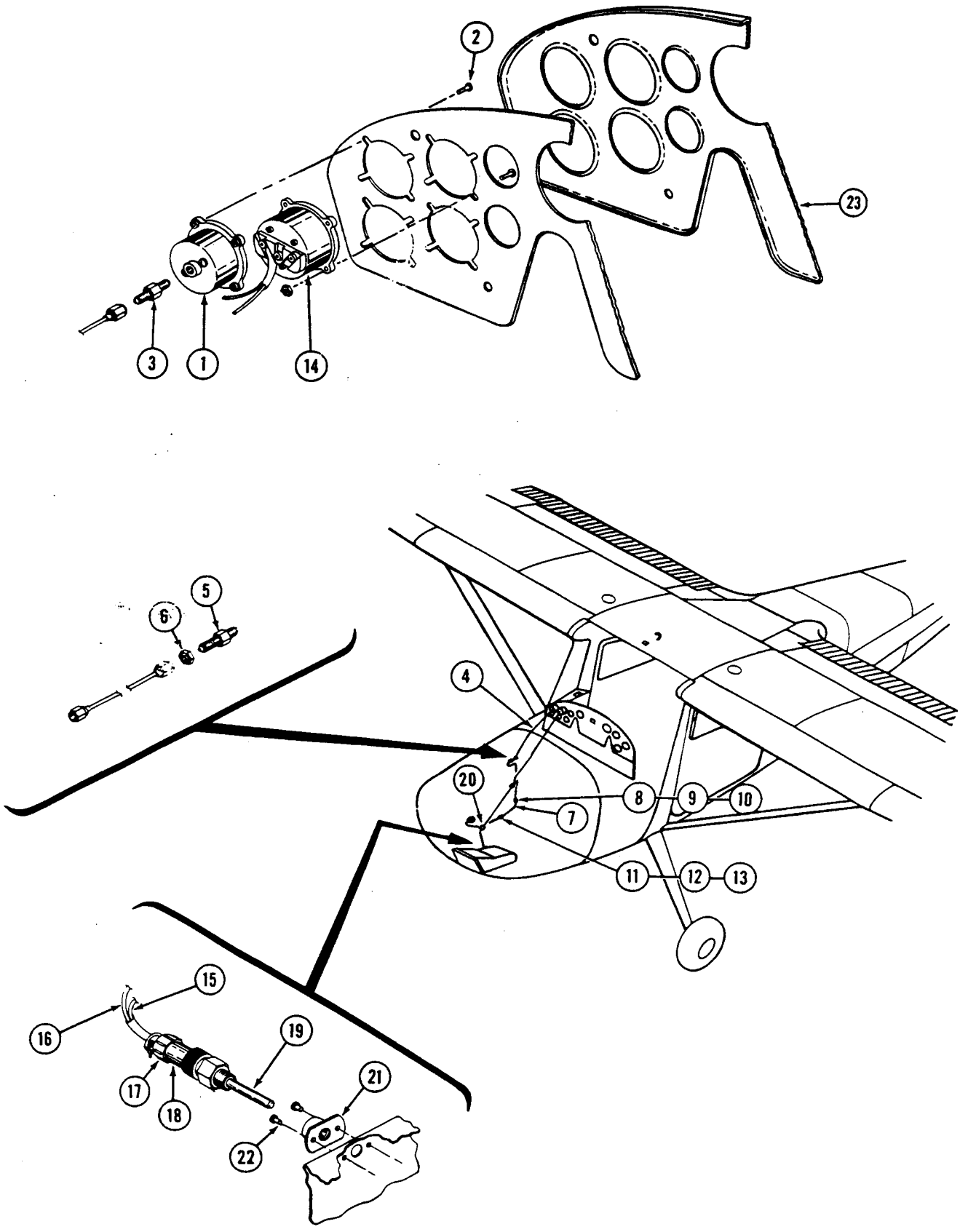


FIGURE 79. — MANIFOLD PRESSURE AND CARBURETOR AIR TEMPERATURE GAGE (SERIALS 25373 AND ON)

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
79-	AK7053-5	Installation Kit - Manifold pressure gage (serial 25373 & on)	1
-1	0413319-3	. Gage- Manifold pressure	1
-2	AN515B6R	. Screw - (Attach gage)	4
-3	AN816-2D	. Adapter	1
-4	0500106-34	. Line - (Gage to firewall)	1
-5	AN832-2D	. Coupling	1
-6	AN924-2D	. Nut	1
-7	0500106-33	. Line	1
-8	NAS742D2	. Clamp - (Tinnerman A2980A-2)	1
-9	PK76XZ-8-6	. Screw - (Atttach clamp)	1
-10	NAS446-4	. Nut - (Attach clamp) (Tinnerman A1778-8Z-3)	1
-11	NAS742D20	. Clamp - (Attach line) ((Tinnerman A2980A-20)	1
-12	NAS434-D2	. Clamp - (Attach line) (Tinnerman A2981A-2)	1
-13	PK76XZ-8-6	. Screw - (Attach clamp)	1
	AK7053-6	Installation Kit - Carburetor air temperature gage (serial 25373 & on)	1
-14	0311020-8	. Gage - Carburetor air temperature	1
	0511055-3	. Wire Assembly - Carburetor air temperature gage	1
-15	0500005-142	. . Wire	1
-16	0500005-143	. . Wire	1
-17	AN3108-12S-3S	. . Plug	1
-18	AN3057-4	. . Adapter	1
-19	0311002-7	. Bulb	1
-20	NAS437-3C-1	. Band - (United Carr #49166-1)	2
-21	0411849	. Nut	1
-22	AN470-AD4	. Rivets-(Attach nut)	2
-23	0513004-26	Cover Assembly - Shock panel	1

ILLUSTRATED PARTS CATALOG

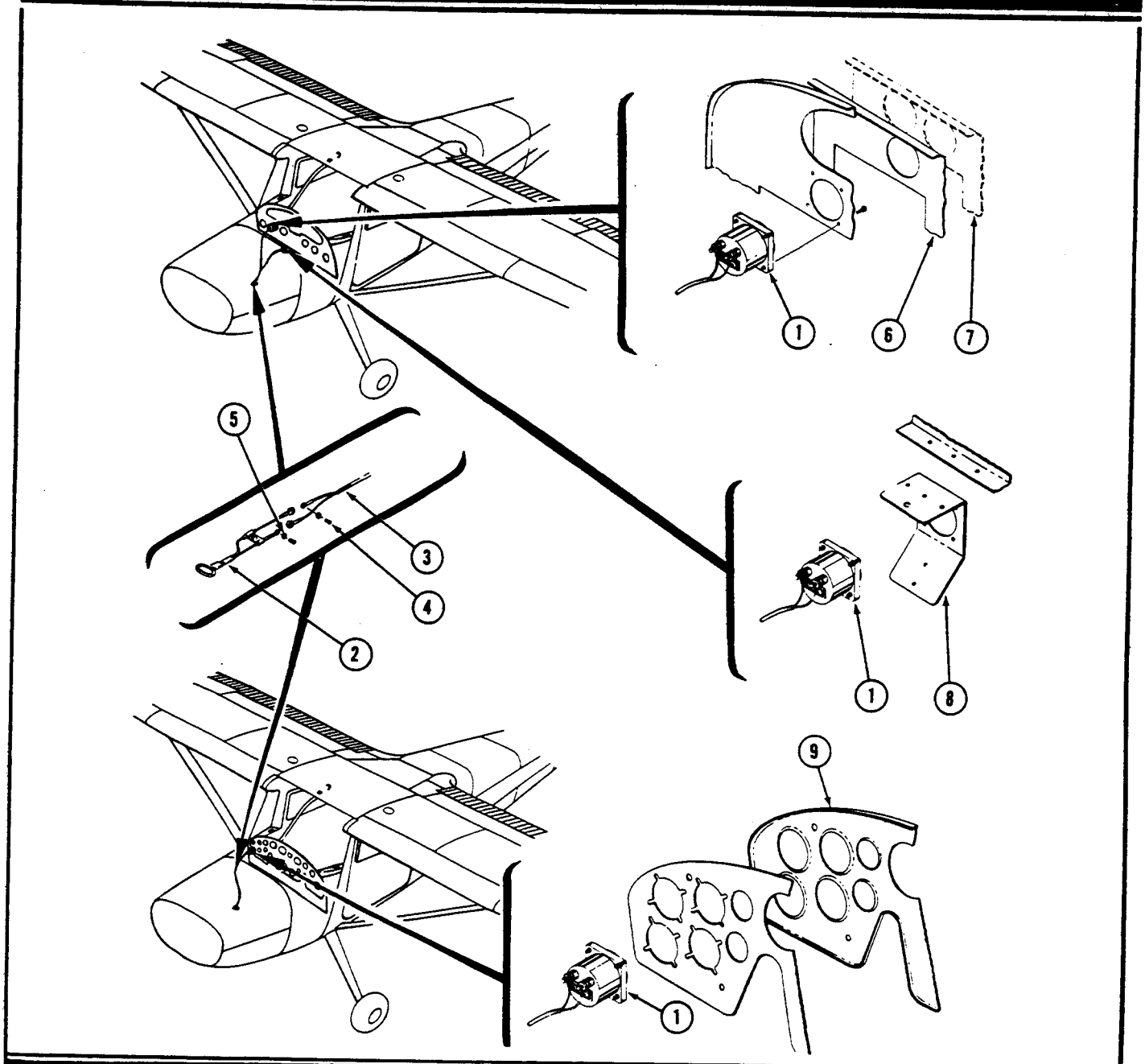


FIGURE 80. CYLINDER HEAD TEMPERATURE GAGE

FIGURE AND INDEX NO.	PARTS NUMBER		DESCRIPTION	UNITS PER ASS'Y
80-	52-3-889		Kit - Cylinder head temperature gage	1
-1	0511068		. Gage - Cylinder head temperature	1
-2	0311018-9		. Thermocouple	1
-3	0311018-10		. Lead - Thermocouple	1
-4	AN515B6-5		. Screw - (Attach thermocouple to lead)	2
-5	AN936A6B		. Washer - (Attach thermocouple to lead)	2
-6	0513114-5	*	Cover Assembly - Instrument panel (1 hole)	1
-7	0513114-6	*	Cover Assembly - Instrument panel (2 holes) (alternate)	1
-8	0511055-2	*	Bracket - Mounting (alternte instrument location)	1
-9	0513004-26		Cover Assembly - Shock panel (Serials 25373 & on)	1

NOTE: Items marked (*) applies to serials 20267 thru 25372)

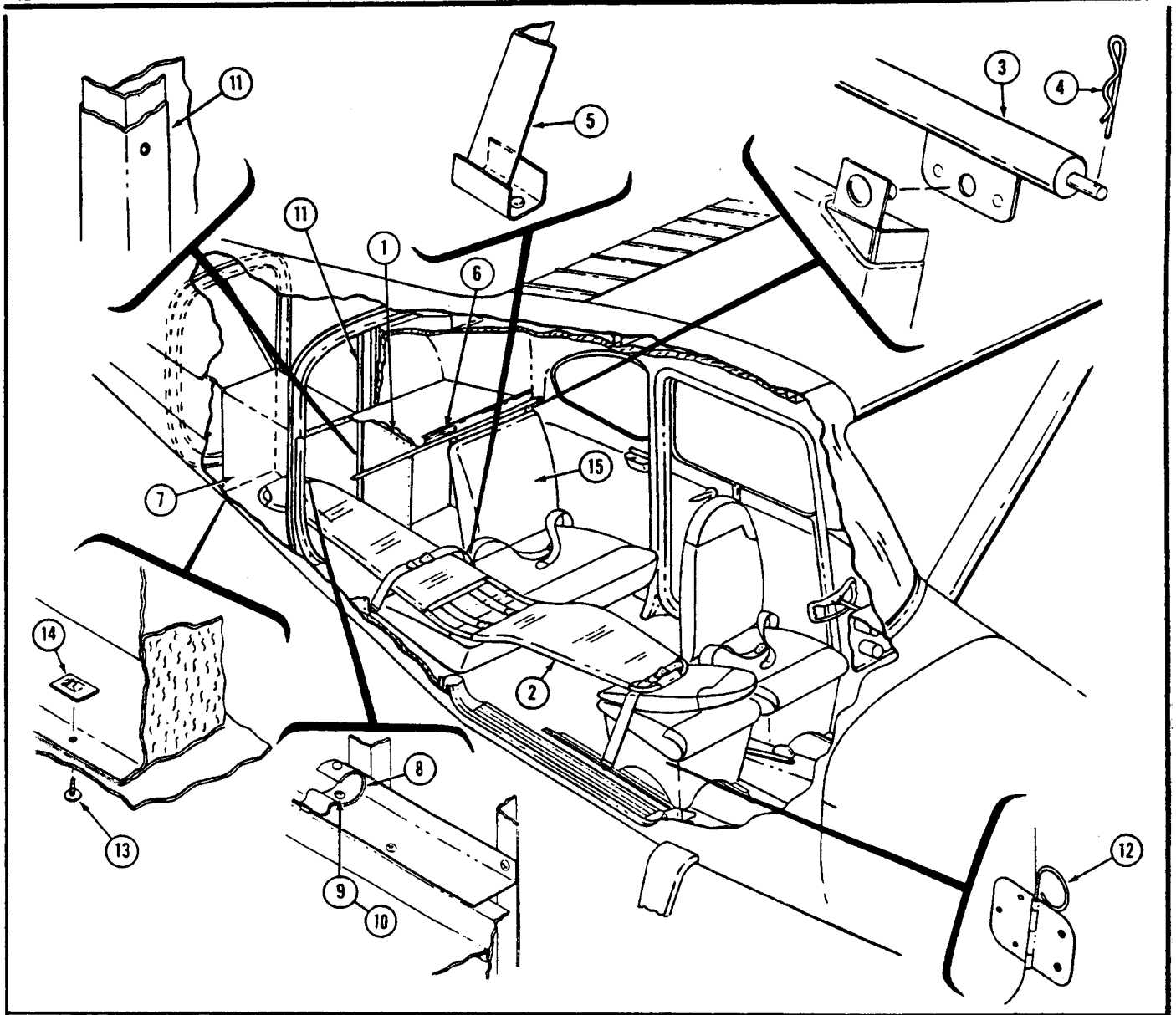


FIGURE 81. PORTABLE STRETCHER INSTALLATION

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
	AK70B52-6	Installation Kit - Portable stretcher (serials 20267 thru 25876)	1
81-1	0700100-2	. Baggage Wall - Rear	1
	AK7053-13	. Installation Kit - Portable stretcher (serials 25877 & on)	1
-2	100	. . Stretcher - Gran portable	1
-3	0511170	. . Support Assembly - Stretcher	1
-4	AN415A	. . Pin	1
-5	0511131-10	. . Clip - Seat back	2
-6	0511171	. . Placard - Baggage compartment	1
-7	0511003-17	. . Bag Assembly - Stretcher wall	1
-8	0511003-10	. . Strap - Tiedown	1
-9	PK76XZ-4-6	. . Screw	1
-10	NAS446-1	. . Nut - (Tinnerman A1776-4Z-3)	1
-11	0511003-16	. . Angle - Bag retaining	1
-12	0511003-12	. . Pin - Hinge (removable)	2
-13	PK76XZ-4-6	. . Screw - (Attach bag assembly)	26
-14	NAS446-1	. . Nut - (Attach bag assembly) (Tinnerman A1776-4Z-3)	26
-15	0511131	. . Back Assembly - Rear seat	1

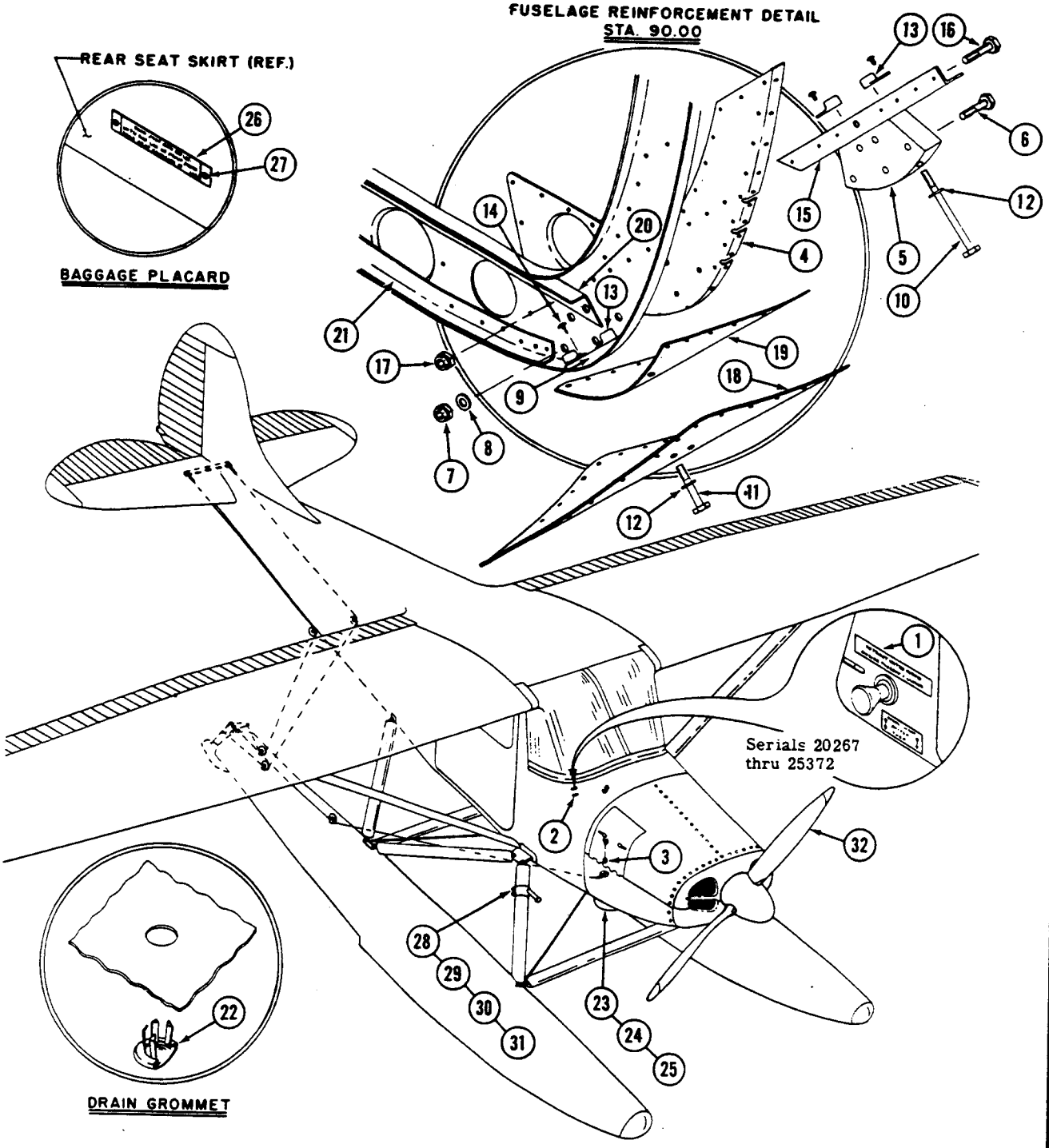


FIGURE 82. FLOATPLANE FITTINGS

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
82-	AK70B53-3	Installation Kit - Floatplane fittings (Cessna 0541125)	Ref
-1	0341007	. Decal - Water rudder retract	1
-2	0541125-10	. Decal	1
-3	0412006	. Fairlead	1
-4	0541132	. Reinforcement - Bulkhead left	1
	0541132-1	. Reinforcement - Bulkhead right	1
-5	0541129	. Block - Strut attachment aft	2
-6	AN4-12A	. Bolt - (Attach block)	10
-7	AN365-428	. Nut - (Attach block)	10
-8	AN960-416	. Washer - (Attach block)	10
-9	0541128	. Block - Strut attachment forward	2
-10	AN5-32A	. Bolt - (Attach block)	4
-11	AN5-13A	. Bolt - (Attach block)	4
-12	AN960-516	. Washer - (Attach block)	8
-13	22A17-054	. Nutplate - (Esna)	8
-14	PK76XZ-8-4	. Screw - (Attach nutplates)	8
-15	0541131	. Angle - Left reinforcement	1
	0541131-1	. Angle - Right reinforcement	1
-16	AN3-4A	. Bolt - (Attach angle)	2
-17	AN365-1032	. Nut - (Attach angle)	2
-18	0341118	. Doubler	2
-19	0541126	. Spacer - Skin lap	2
-20	0541130	. Angle	1
-21	0541127	. Angle	1
-22	0422342	. Grommet	21
-23	0552001-60	. Lip - Cowl	1
-24	AN515-8R5	. Screw - (Attach lip)	14
-25	AN365-832	. Nut - (Attach cowl lip)	14
-26	0541134	. Placard	1
-27	PK76XZ-4-6	. Screw - (Attach placard)	2
-28	0541137	Step Assembly	2
-29	AN3-4A	Bolt - (Attach step)	4
-30	AN960-10	Washer - (Attach step)	4
-31	AN365-1032	Nut - (Attach step)	4
-32	0411098-10	Propeller - Fixed pitch metal (seaplane climb) (see figure 84)	Ref
	0411098-11	Propeller - Fixed pitch metal (seaplane cruise) (see figure 84)	Ref
	0411086-11	Indicator - Airspeed (marked for floatplane) (see figure 74 & 75)	Ref
	AK7053-15	Installation Kit - Stainless steel cables	1
	0510105-101	. Cable - Rudder control	2
	0510105-104	. Cable - Elevator control lower	1
	0510105-115	. Cable - Elevator control upper	1
	0510105-107	. Cable - Tab control (forward to disconnect)	1
	0510105-108	. Cable - Tab control (aft to turnbuckle)	1
	0510105-109	. Cable - Tab control (forward to turnbuckle)	1
	0510105-110	. Cable - Tab control (aft to disconnect)	1
	0510105-116	. Cable - Aileron control (control tee to bellcrank)	2
	0510105-113	. Cable - Aileron carry thru control	1
	0510105-117	. Cable - Flap direct L. H.	1
	0510105-118	. Cable - Flap direct R. H.	1
	0510105-119	. Cable - Flap return L. H.	1
	0510105-120	. Cable - Flap return R. H.	1
	0510105-121	. Cable - Flap return forward	1
	0510105-122	. Cable - Flap direct forward	1

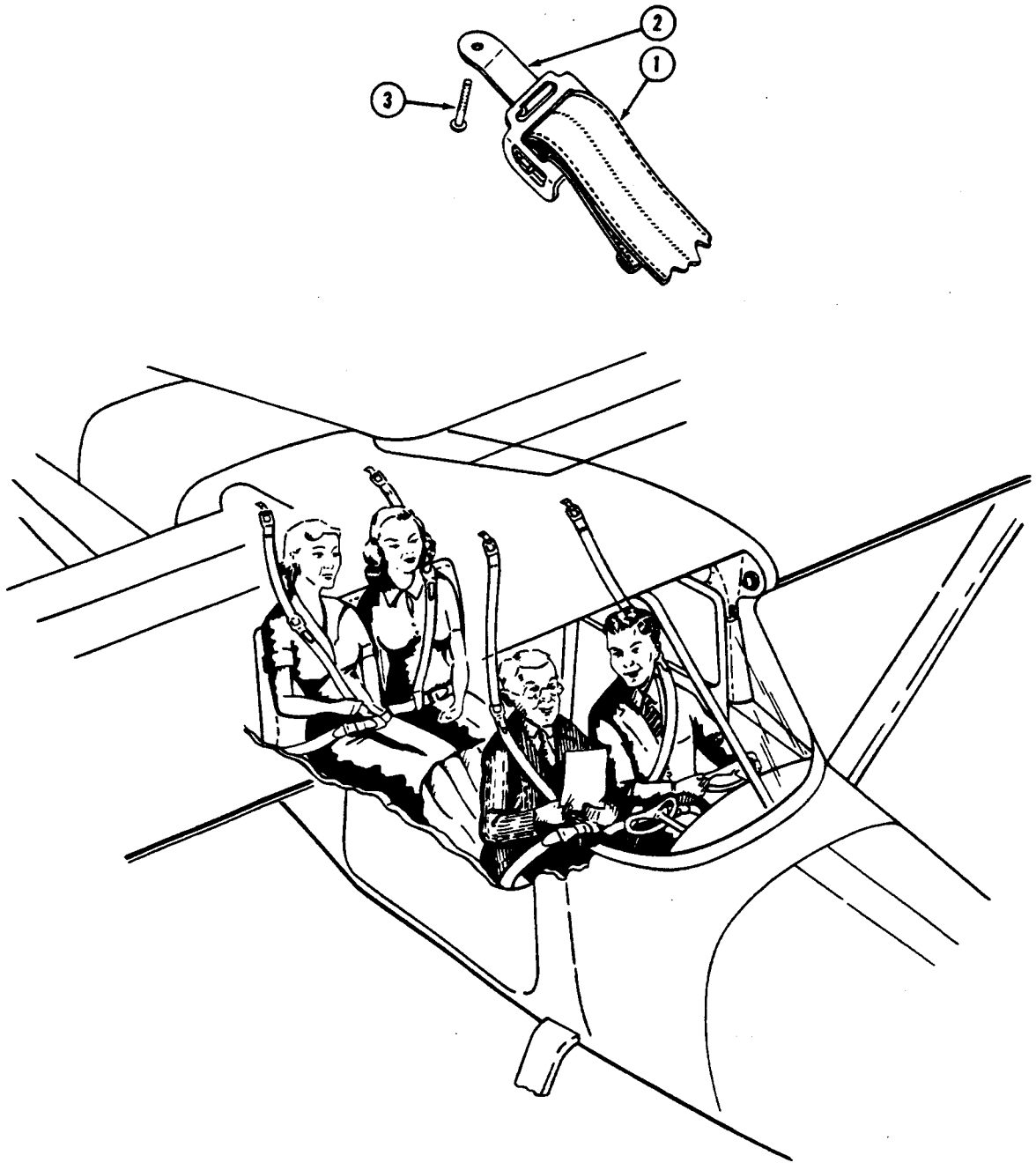


FIGURE 83. SHOULDER HARNESS INSTALLATION

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
83-	52-3-912	Installation Kit - Shoulder harness	
-1	0511233	. Harness - Shoulder	4
-2	0511232-3	. Hook - Shoulder harness	1
-3	NAS229-10	. Screw	1
			1

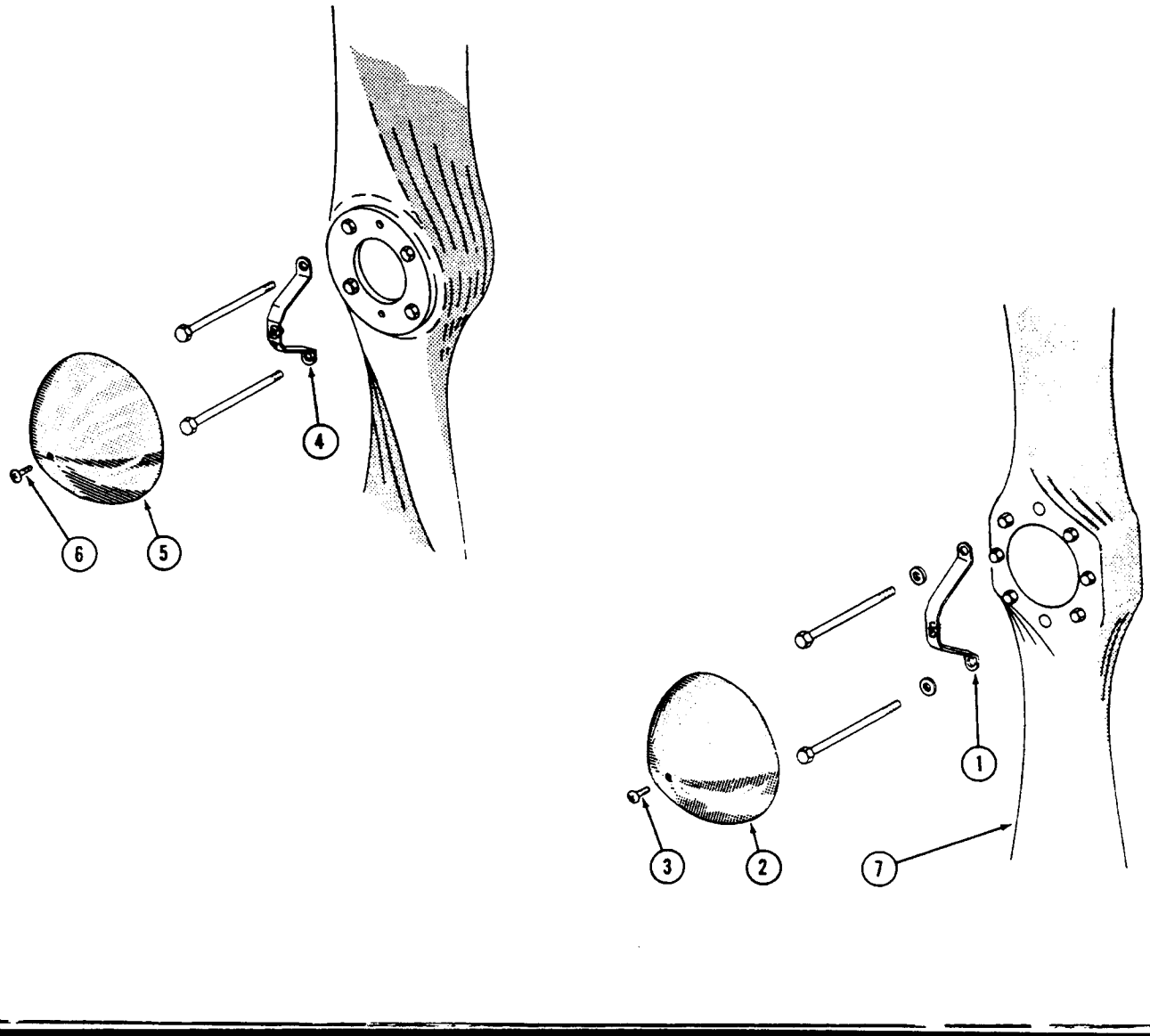


FIGURE 84. OPTIONAL PROPELLER INSTALLATION

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
84-	52-3-800	Installation Kit - Metal propeller spinner installation (Serials 20267 thru 25372)	1
-1	0550147	. Bracket - (Spinner support)	1
-2	0550101-3	. Spinner - Propeller	1
-3	AN526-832R10	. Screw - (Attach spinner)	1
	52-3-801	Installation Kit - Wood propeller spinner (serials 20267 thru 25372)	1
-4	0550147	. Bracket - (Spinner support)	1
-5	0550102-3	. Spinner - Wood propeller	1
-6	AN526-8R12	. Screw - (Attach spinner)	1
-7	0411098-6	Propeller - Fixed pitch metal (maximum cruising)	1
	0411098-8	Propeller - Fixed pitch metal (maximum take-off)	1
	0411098-10	Propeller - Fixed pitch metal (seaplane climb)	1
	0411098-11	Propeller - Fixed pitch metal (seaplane cruise)	1

ILLUSTRATED PARTS CATALOG

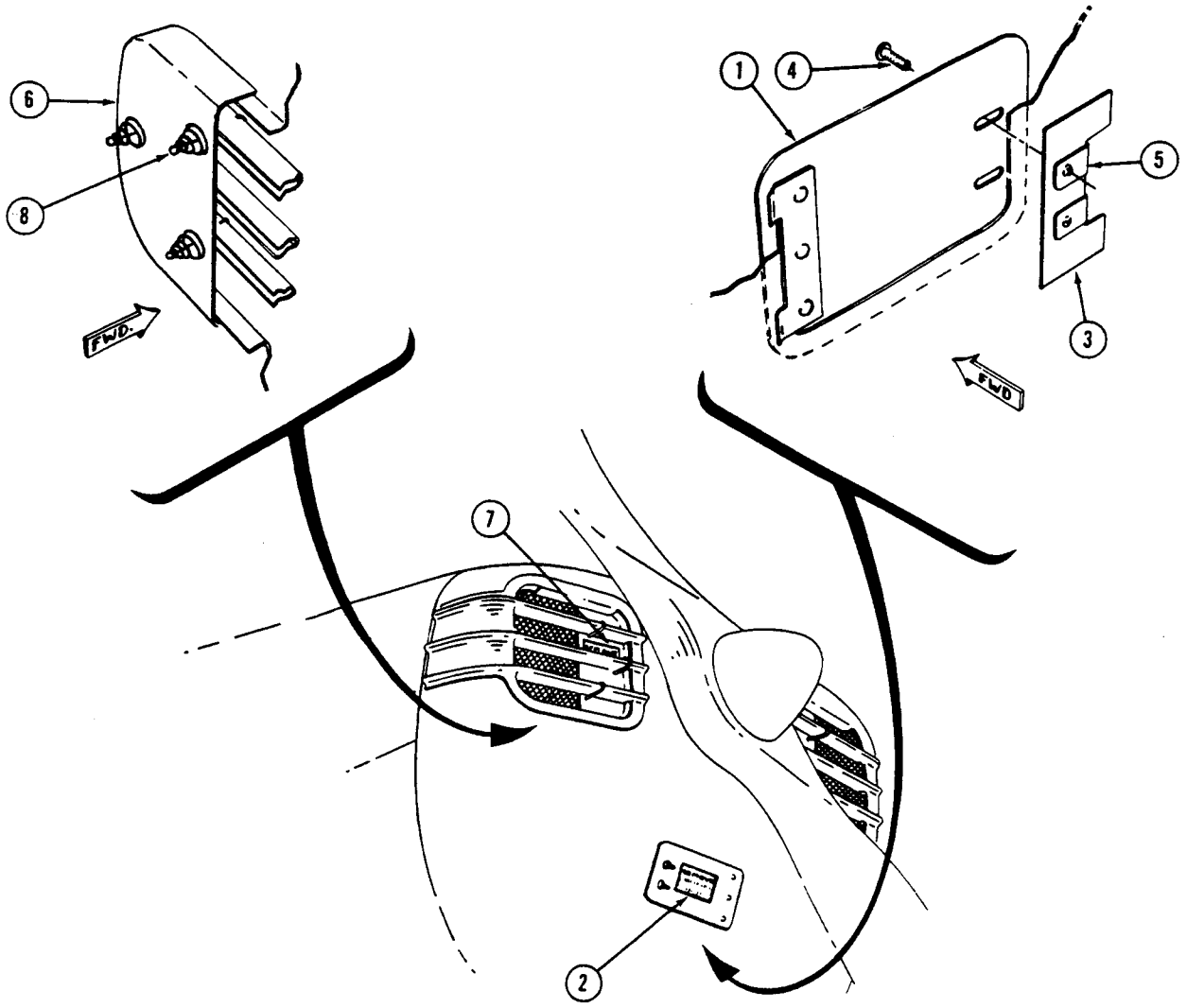


FIGURE 85. - WINTERIZATION KIT (SERIALS 20267 THRU 25372)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
85-	52-3-828	Installation Kit - Winterization equipment (Serials 20267 thru 25372)	1
-1	0552104	. Plug Assembly - Nose cowl vent	1
-2	0552103	. . Decal	1
-3	0552104-5	. . Plate- Retainer	1
-4	PK76XZ-8-6	. . Screw	2
-5	NAS395-14-3	. . Nut - (Tinnerman A1274-8 -3)	2
-6	0552101	. Cover Assembly - Cowl grill winterization	2
-7	0552102	. . Decal	1
-8	0452166	. Fastener - Grill winterization cover	6

ILLUSTRATED PARTS CATALOG

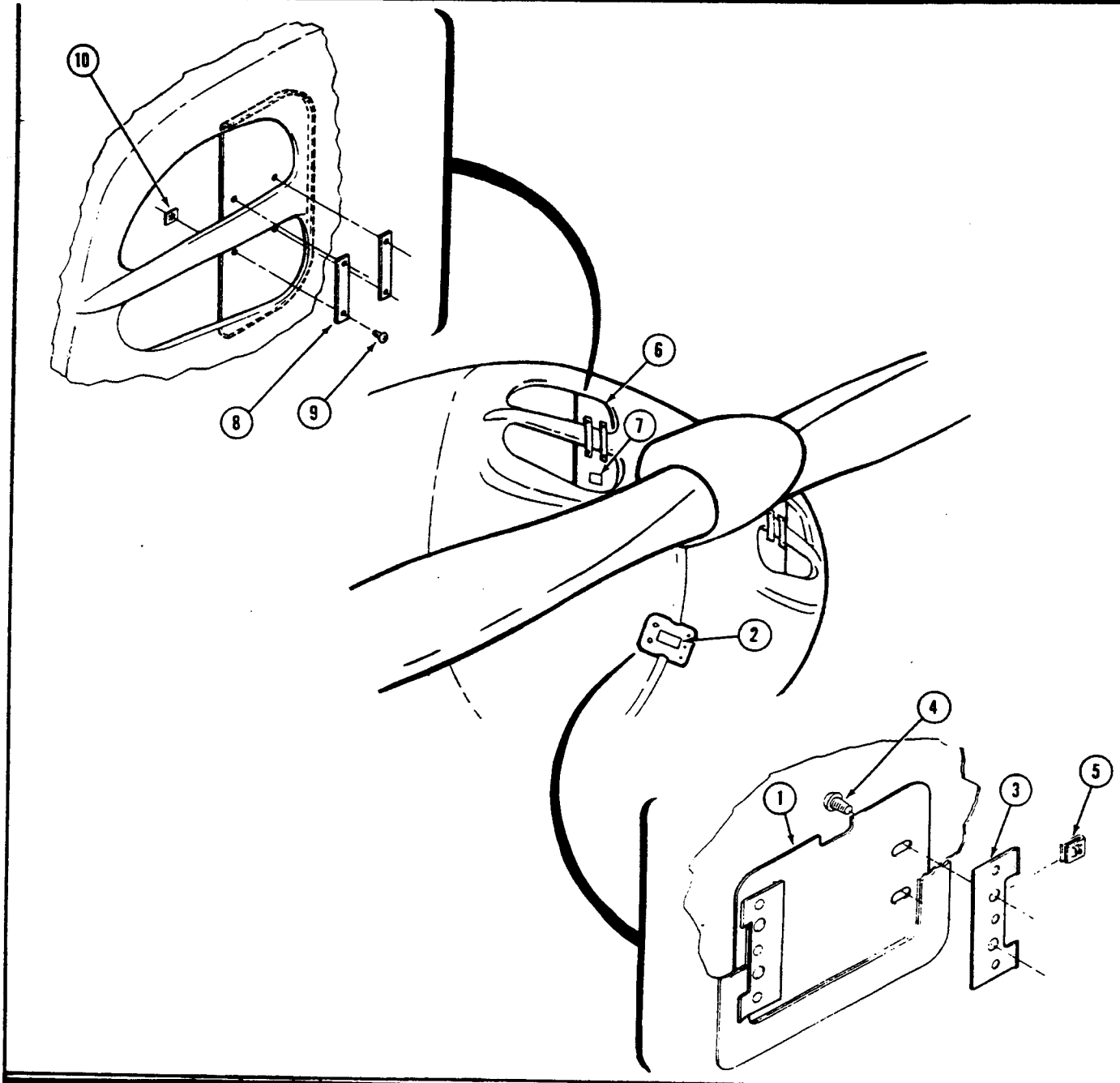


FIGURE 86. WINTERIZATION KIT (SERIALS 25373 AND ON)

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
86-	AK70B53-1	Installation Kit - Winterization equipment (Serial 25373 & on)	
-1	0552104	. Plug Assembly - Nose cowl vent	1
-2	0552103	. . Decal	1
-3	0552104-5	. . Plate - Retainer	1
-4	PK76XZ-8-6	. . Screw	2
-5	NAS395-14-3	. . Nut - (Tinnerman A1274-8Z-3)	2
-6	0552106-3	. Cover Assembly - Cowl grill winterization	2
-7	0552102	. . Decal	1
-8	0552106-2	. Strap - (Attach cover)	4
-9	PK76XZ-6-6	. Screw - (Attach cover)	8
-10	NAS446-2	. Nut - (Tinnerman A1181-6Z-3)	8

ORDER BY PART NUMBER AND NAME SERIAL NUMBER AND COLOR IF APPLICABLE

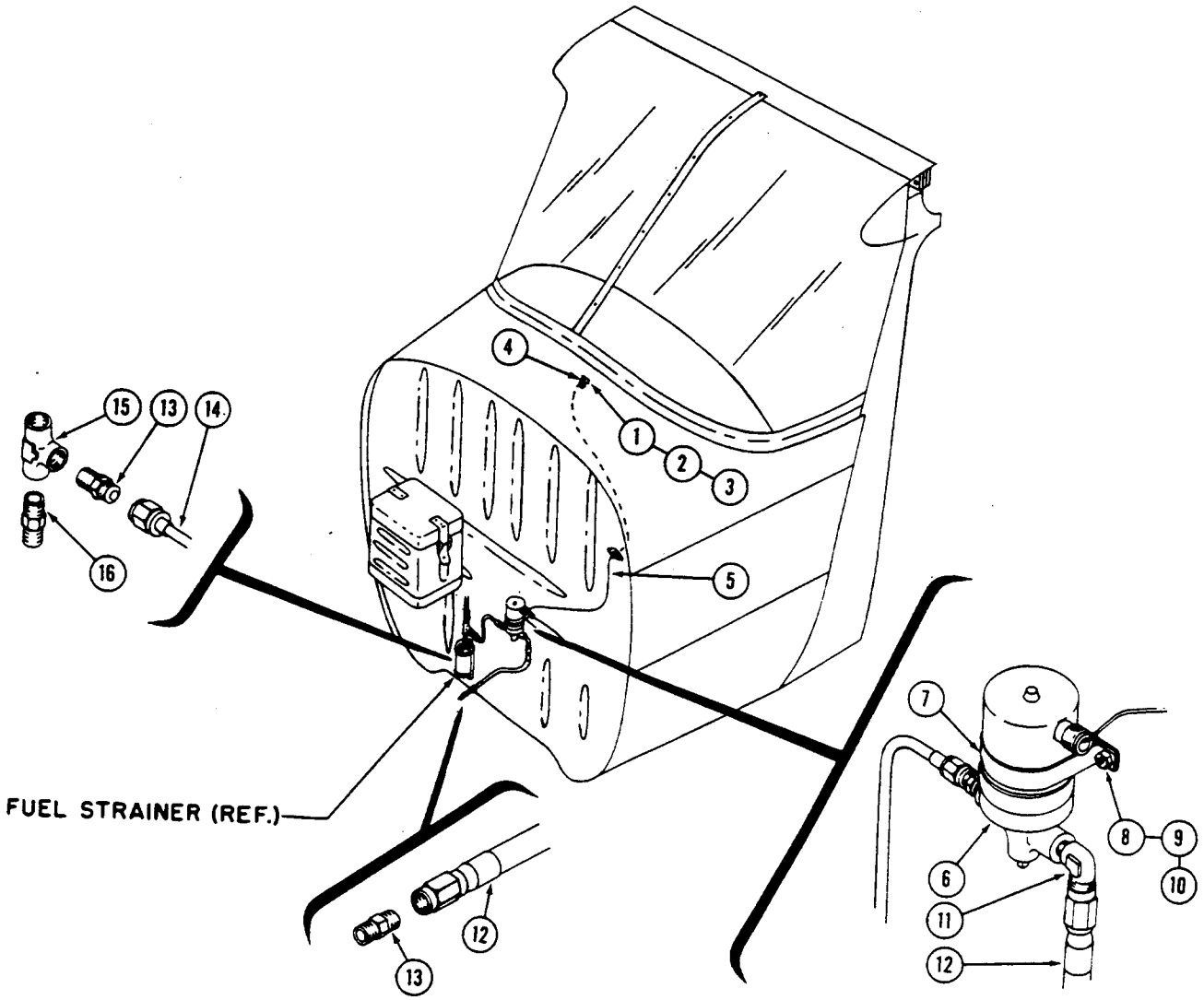


FIGURE 87. OIL DILUTION SYSTEM

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
87-	52-3-872	Installation Kit - Oil dilution system	
-1	0550152-1	Decal - Oil dilution	1
-2	0511063	Switch - Oil dilution	1
-3	0511063-2	Nut	1
-4	0500005-39	Wire - (Switch to fuse)	1
-5	0500005-40	Wire - (Switch to solenoid valve)	1
-6	AN4078-1	Valve - Solenoid	1
-7	AN742-D32	Clamp - (Attach valve) (Tinnerman A2980A-32)	1
-8	AN3-5A	Bolt - (Attach clamp)	2
-9	AN365-1032	Nut - (Attach clamp)	2
-10	AN960-10L	Washer - (Attach clamp)	2
-11	AN822-4D	Elbow - (Valve to hose)	2
-12	AN6271-4D-10	Hose Assembly - (Valve to engine oil sump)	1
-13	AN816-4D	Nipple	1
-14	0500106-74	Fuel Line - (Valve to tee)	2
-15	AN917-1D	Tee - (Fuel strainer to fuel line)	1
-16	AN911-1D	Nipple - (Tee to fuel strainer)	1

ILLUSTRATED PARTS CATALOG

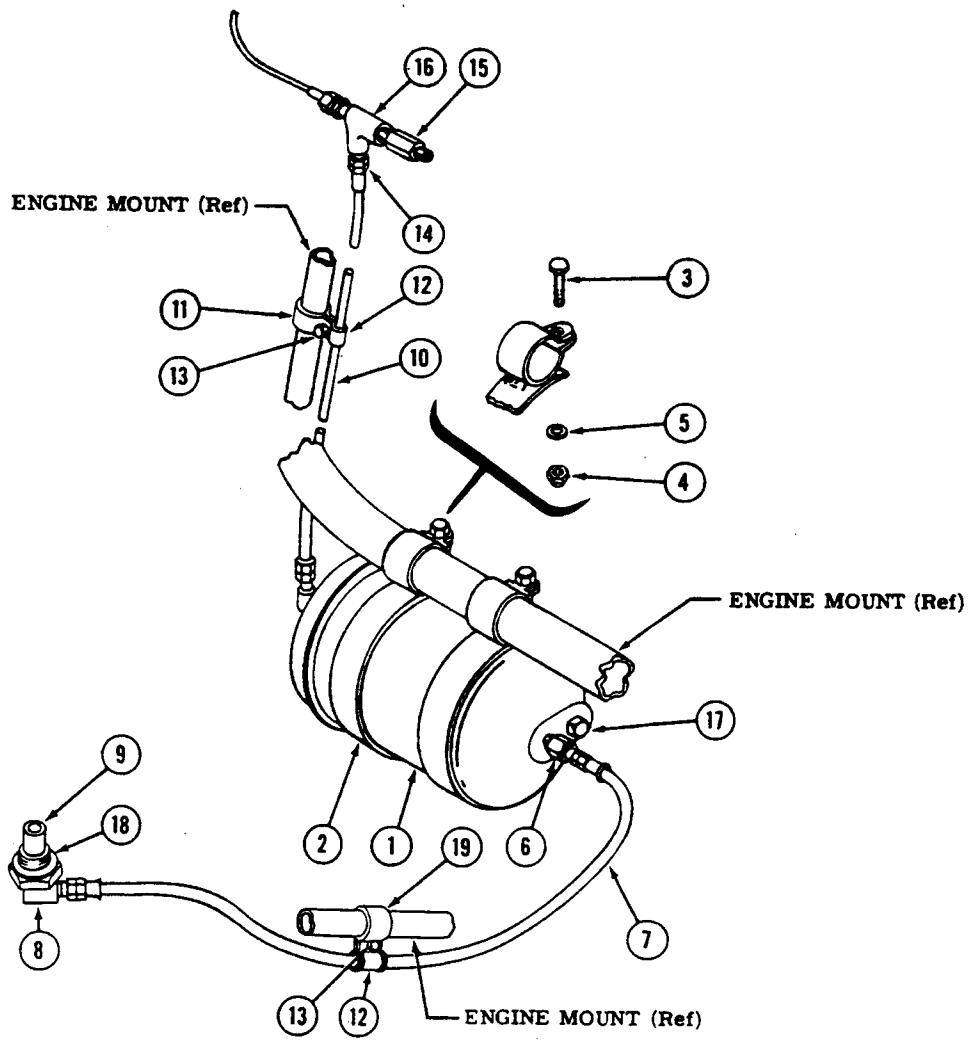


FIGURE 88. OIL FILTER INSTALLATION

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
88-	AK7053-2	Installation Kit - Oil filter (Cessna 0550150)	
-1	0550150-7	. Filter - Oil (Fram # PB5)	1
-2	0550150-8	. Clamp Assembly - (Attach filter)	1
-3	AN4-8A	. Bolt - (Attach clamp)	2
-4	AN365-428	. Nut - (Attach clamp)	2
-5	AN960-416	. Washer - (Attach clamp)	2
-6	0550150-9	. Connector - (Filter to hose)	2
-7	0550150-10	. Hose - (Filter to elbow)	1
-8	0550150-6	. Elbow	1
-9	0550150-11	. Adapter - Plug (engine oil sump to elbow)	2
-10	0550150-5	. Hose - Oil inlet	1
-11	NAS434-16D	. Clamp - (Hose support)	1
-12	MS21919-6	. Clamp - (Hose support)	1
-13	PK76XZ-10-8	. Screw - (Attach clamp)	2
-14	0550150-4	. Restrictor - (.059 orifice)	2
-15	0550150-2	. Extension	1
-16	0550150-3	. Tee	1
-17	0550150-13	. Plug - Pipe	1
-18	0550150-14	. Gasket	1
-19	A2981A-10-27	. Clamp - Tinnerman (hose support)	1

ILLUSTRATED PARTS CATALOG

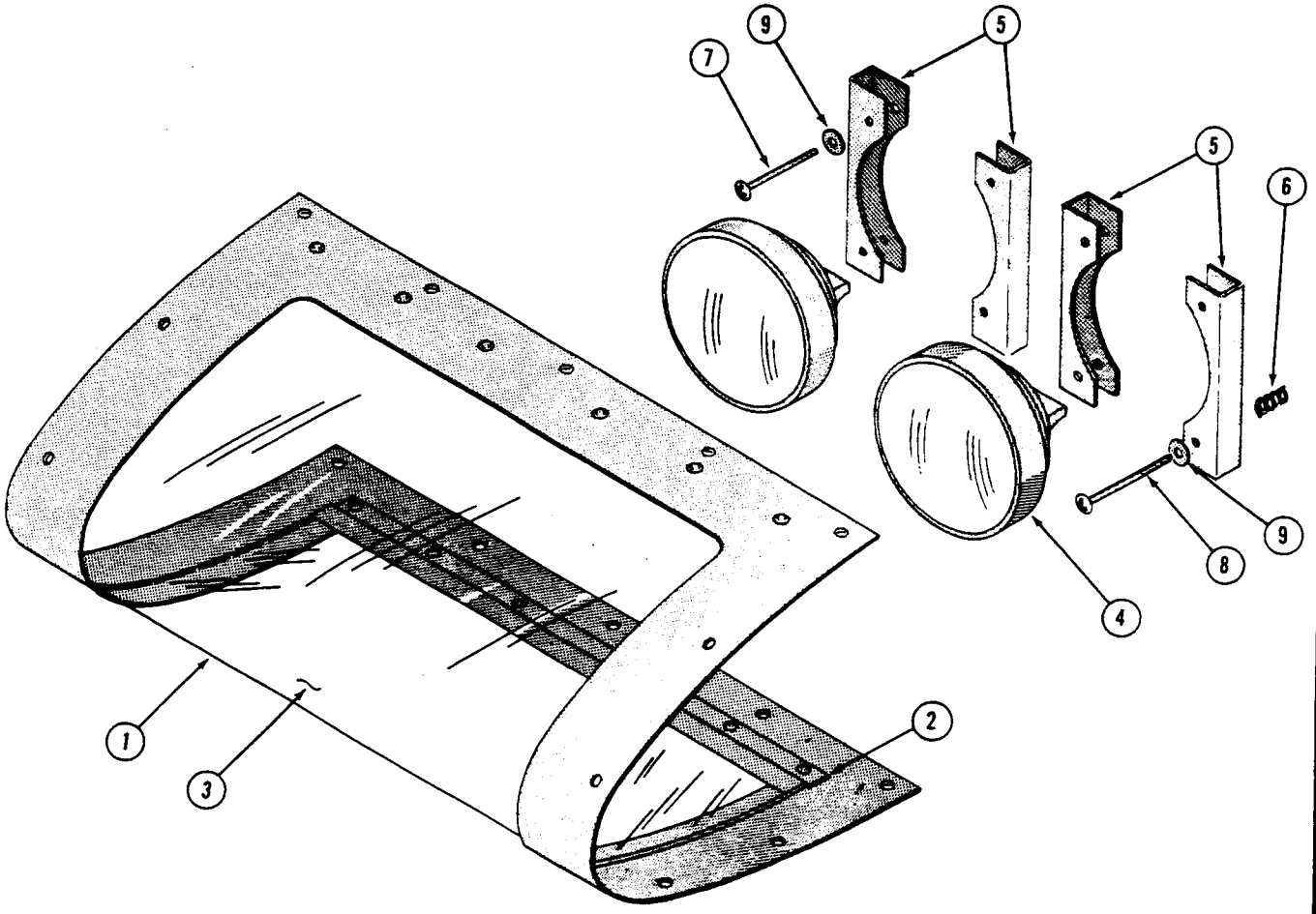


FIGURE 89. LANDING LIGHT

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
89-	53-3-832	Installation Kit - Landing light.	AR
-1	0523115	. Window Assembly - Landing light	1
-2	0523115-3	. . Retainer	1
-3	0523115-5	. . Window - Plexiglass	2
-4	0523118-1	. Light - Landing	1
-5	0523117	. Channel	2
-6	0523116	. Spring	4
-7	AN526-832R26	. Screw	8
-8	AN526-832R32	. Screw	6
-9	AN960-10	. Washer	2

ILLUSTRATED PARTS CATALOG

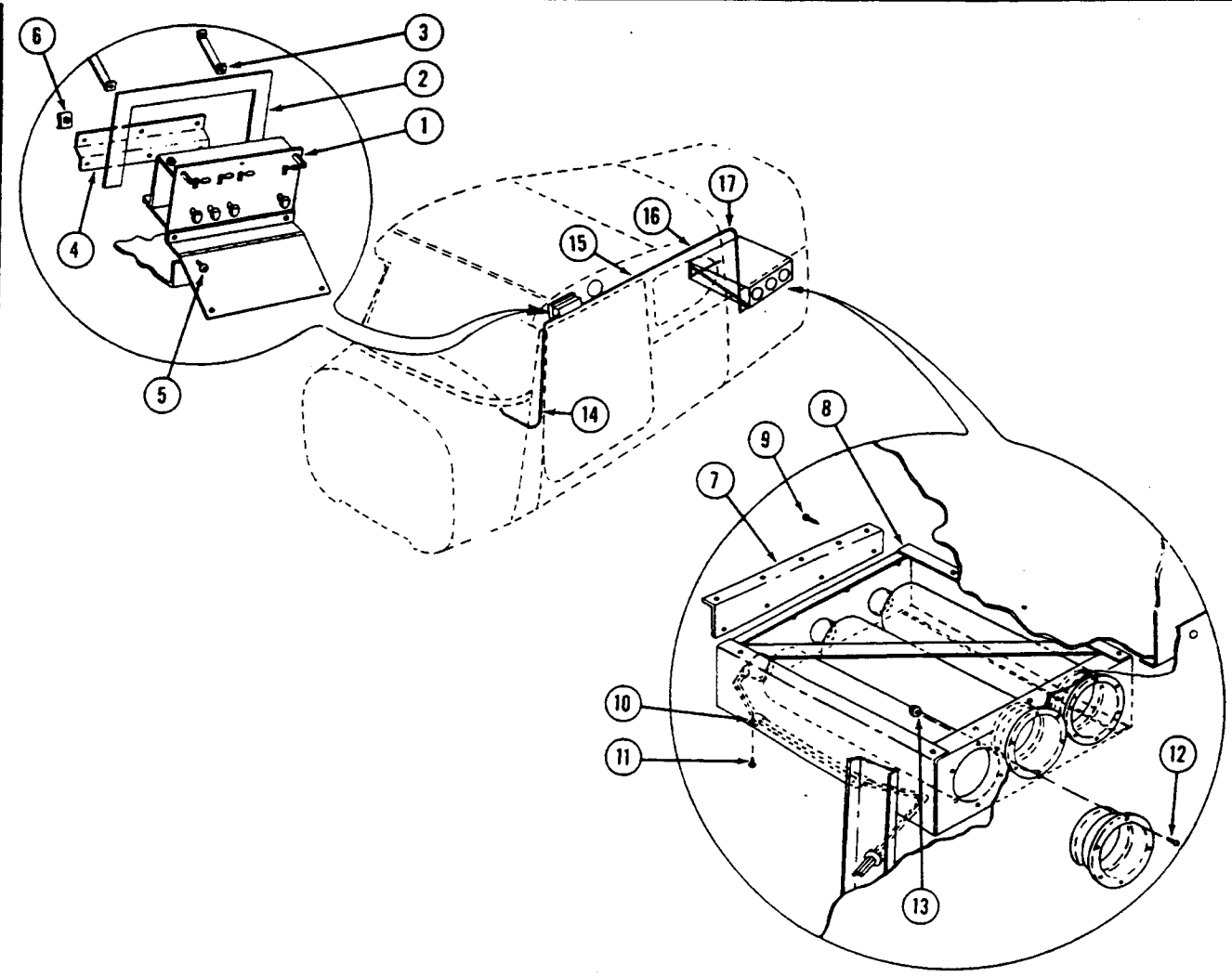


FIGURE 90. FLARE INSTALLATION

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
90-	52-3-826	Installation Kit - 1-1/2 minute flares	1
-1	R-3-M	. Switch - Flare (International Flare Signal Division, Kilgore Mfg. Co.)	1
-2	0511007-5	. Backing - Upholstery	1
-3	0511007-3	. Bracket - Flare switch upper	2
-4	0511007-4	. Bracket - Flare switch lower	1
-5	PK76XZ-4-6	. Screw - (Attach flare switch)	8
-6	NAS395-1-3	. Nut - (Attach flare switch) (Tinnerman A6187-4Z-3)	8
-7	0511007-6	. Support - Flares	1
-8	1-1/2 PF-11	. Bracket Assembly - Flare (Internalational Flare Signal Division, Kilgore Mfg. Co.)	1
	1-1/2 PF-12	. . Bracket - Flare	1
	1-1/2-1-A-1	. . Flare - 1-1/2 minute parachute	3
-9	AN545-6-5	. Screw - Wood (attach support to bracket)	4
-10	NAS435D4	. Clamp - (Tinnerman A3047A-4-92)	2
-11	PK76XZ-8-6	. Screw - (Attach clamp)	2
-12	AN526-632-8	. Screw	18
-13	AN365-632	. Nut	18
-14	0500005-57	. Wire - (Circuit breaker to flare switch)	1
-15	0500005-58	. Wire - (Flare switch to flare)	1
-16	0500005-59	. Wire - (Flare switch to flare)	1
-17	0500005-60	. Wire - (Flare switch to flare)	1

ILLUSTRATED PARTS CATALOG

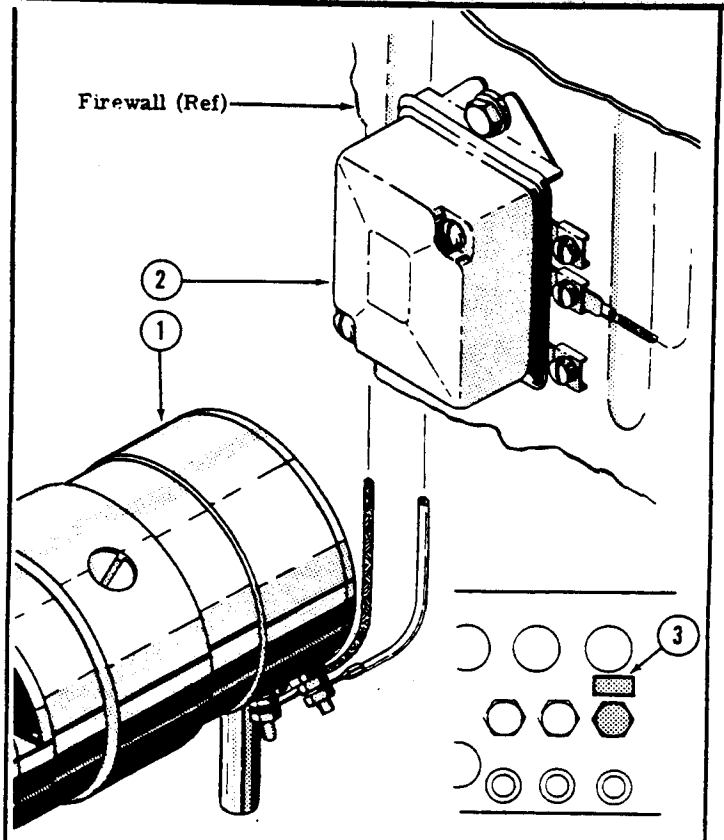


FIGURE 91. 25 AMP GENERATOR KIT

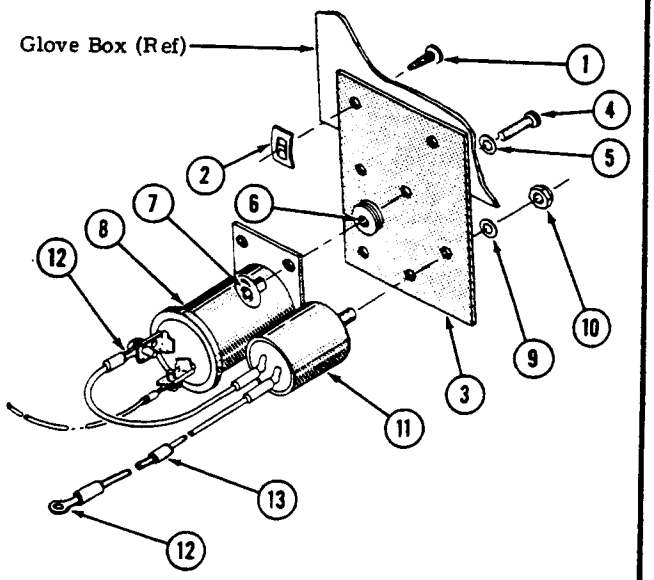


FIGURE 92. NAVIGATION LIGHT FLASHER

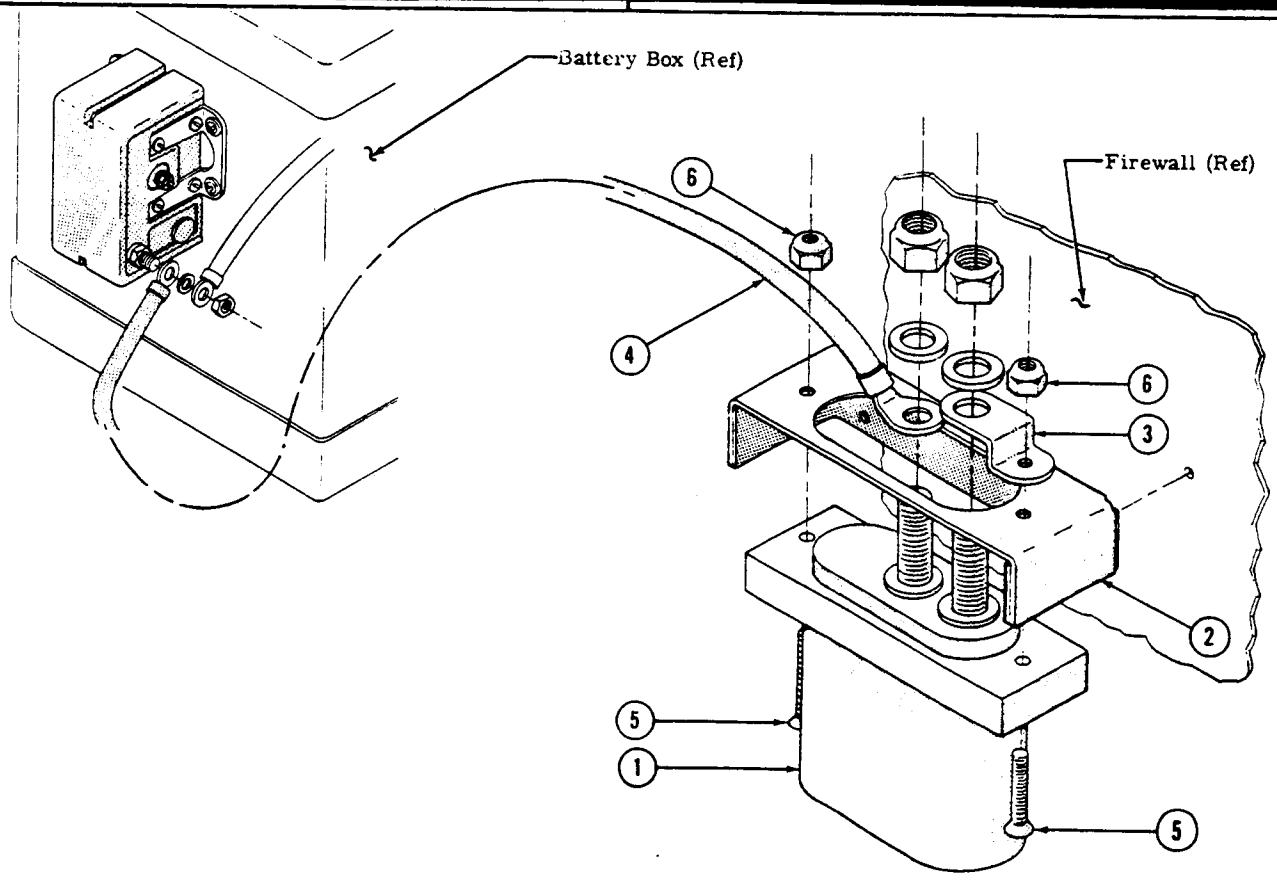


FIGURE 93. GROUND SERVICE PLUG INSTALLATION KIT

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
91-	52-3-881	Installation Kit - 25 amp generator	1
-1	0550144	. Generator Assembly - 25 amp	1
-2	0413205-3	. Voltage Regulator - 25 amp	1
-3	0511231-19	. Placard - 25 amp	1

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
92-	No Number	Navigation Light Flasher Installation	1
-1	PK76XZ-8-8	. Screw - (Attach flasher)	2
-2	NAS446-4	. Nut - (Attach flasher) (Tinnerman A1778-8Z-3)	2
	0511025-2	. Flasher Assembly - Navigation light	1
	0511025-3	. . Plate - Flasher	1
-4	K82818-7	. . Screw - (Attach flasher to plate) (Narco)	4
-5	M82802-7	. . Lock Washer - (Attach flasher to plate) (Narco)	4
-6	K81160-5	. . Grommet - (Attach flasher to plate) (Narco)	4
-7	K81608-2	. . "T" Nut - (Attach flasher to plate) (Narco)	4
-8	0511025	. . Flasher - Navigation light (Narco FL-1)	1
-9	AN936A8	. . Washer - (Attach filter to plate)	1
-10	AN340B8	. . Nut - (Attach filter to plate)	1
-11	0511025-1	. . Filter - Navigation light (Narco K11178)	1
-12	RA863	. . Terminal - (Sta-Kon)	2
-13	2B16	. . Terminal - (Sta-Kon)	1

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
93-	AK70B52-9	Installation Kit - Ground service plug	1
-1	AN2552-2	. Receptacle - Ground service plug	1
-2	0513034-1	. Bracket - Mounting	1
-3	0312155-10	. Strap - Ground	1
-4	0500005-124	. Cable - (Battery to receptacle)	1
-5	AN510-10R16	. Screw - (Attach receptacle)	2
-6	AN365-1032	. Nut - (Attach receptacle)	2

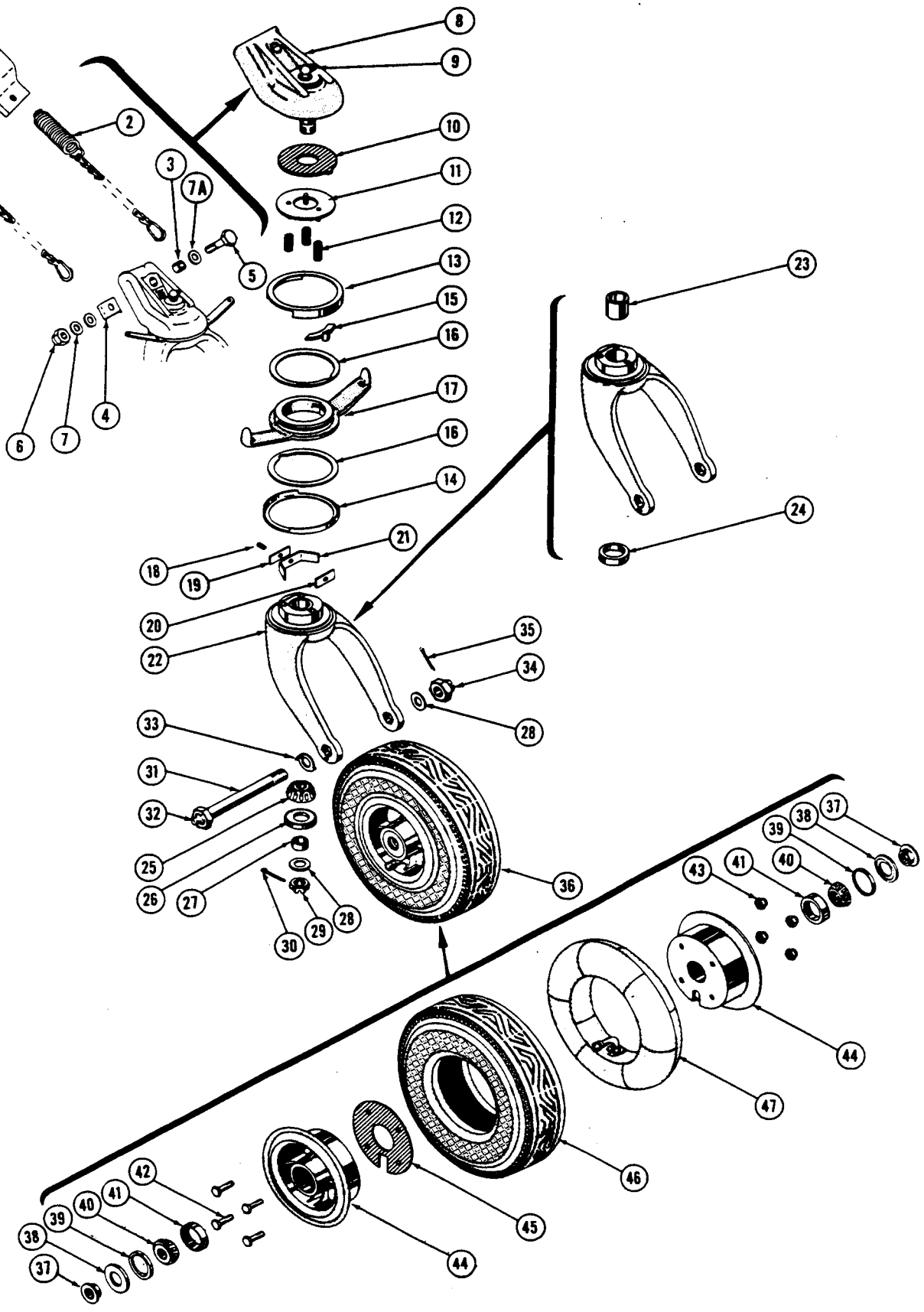


FIGURE 94. PNEUMATIC TAILWHEEL

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
94-	52-3-853	Installation Kit - Pneumatic tailwheel	1
-1	0433132	. Lug	2
-2	0442011-4	. Spring and Connector Assembly	2
-3	0442011-2	. Bushing	1
-4	0442011-3	. Spacer	1
-5	AN7-20A	. Bolt	1
-6	AN365-720	. Nut	1
-7	AN960-716	. Washer	2
-7A	AN960-816	. Washer	12
	0442010	. Wheel and Fork Assembly - Tail	1
-8	0442010-6	. . Bracket Assembly - (Scott #3216)	1
-9	0442010-16	. . . Fitting - 90° Lubricator (Alemite #1191)	1
-10	0442010-8	. . Washer - Thrust (Scott #3027)	1
-11	0442010-30	. . Plate Assembly - Thrust (Scott #3234)	1
-12	0442010-17	. . Spring - Compression (Scott #3233)	3
	0442010-34	. . Cap Set - Dust	1
-13	0442010-18	. . . Cap - Upper dust (Scott #3256-2)	1
-14	0442010-19	. . . Cap - Lower dust (Scott #3235-1)	1
-15	0442010-4	. . Pawl - (Scott # 3219)	1
-16	0442010-7	. . Washer - Thrust (Scott #3206)	2
-17	0442010-2	. . Arm Assembly - (Scott #3214)	1
-18	0442010-33	. . Pin - (Scott #3257)	1
-19	0442010-32	. . Spacer - Spring (Scott #3258-1)	AR
-20	0442010-31	. . Spacer - Spring (Scott #3258)	AR
-21	0442010-5	. . Spring - (Scott #3222)	1
-22	0442010-1	. . . Fork Assembly - (Scott #3224)	1
-23	0442010-20	. . . Bushing - (Scott #3205)	1
-24	0442006-21	. . . Cup - Bearing (Timken A4138)	1
-25	0442006-22	. . Cone - Bearing (Timken A4050)	1
-26	0442006-9	. . Retainer- Grease (Scott #1863)	1
-27	0442010-23	. . Spacer - (Scott #2405-1)	1
-28	AN960-816	. . Washer	2
-29	AN320-8	. . Nut	1
-30	AN380-3-3	. . Pin - Cotter	1
-31	0442010-25	. . Axle Assembly - (Scott #3236)	1
-32	0442010-22	. . . Fitting - Lubrication (Alemite 1641)	1
-33	0442010-21	. . Washer - Lock (Scott #3225)	1
-34	AN310-8	. . Nut	1
-35	AN380-3-3	. . Pin - Cotter	2
-36	0442010-13	. . Tire and Wheel Assembly	1
-37	0442010-24	. . . Spacer - (Scott #3227)	2
-38	0442006-9	. . . Retainer - Grease (Scott #1863)	2
-39	0442006-10	. . . Spacer - Grease retainer (Scott #1862)	2
	0442006-11	. . . Set Assembly - Bearing (Scott #1883)	2
-40	0442006-22	. . . . Cone - Bearing (Timken A4050)	1
-41	0442006-21	. . . . Cup - Bearing(Timken A4138)	1
-42	AN4-7A	. . . Bolt	4
-43	AN365-428	. . . Nut	4
-44	0442010-26	. . . Hub - Wheel (Scott #2598)	2
-45	0442010-27	. . . Gasket - (Scott #2602)	1
-46	0442010-29	. . . Tire - 8 x 3.00 (4 ply)	1
-47	0442010-28	. . . Tube - 8 x 3.00	1

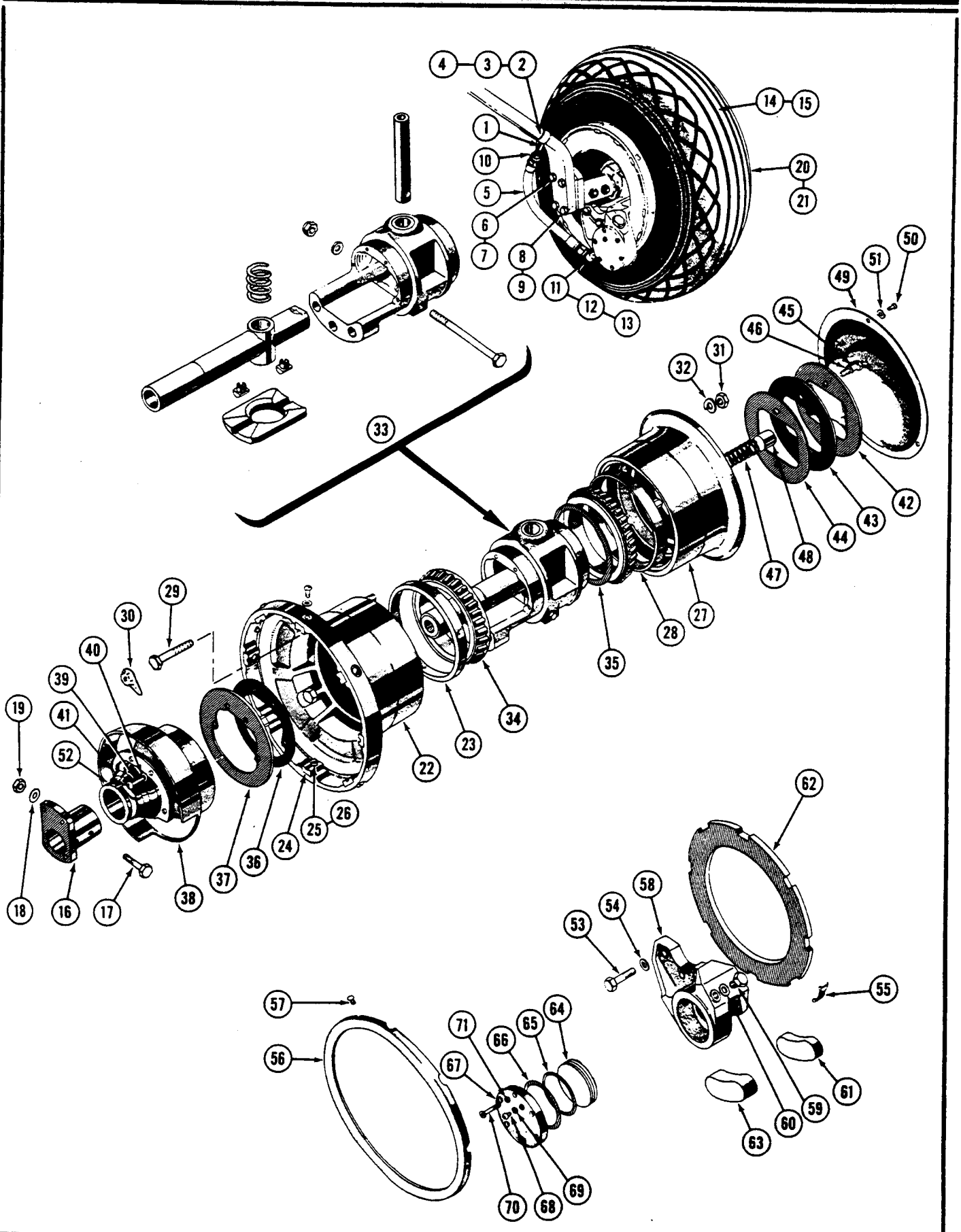


FIGURE 95. CROSSWIND LANDING GEAR

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER		DESCRIPTION	UNITS PER ASS'Y
95-	AK7053-11		Installation Kit - Crosswind landing gear (Cessna #0541150)	1
-1	0500106-55		. Line - Brake	2
-2	0341107-1		. Clamp - (Attach brake line)	2
	0341115		. Hose - (Brake line protector)	2
-3	AN365-832		. Nut - (Attach clamp)	2
-4	AN526-832R10		. Screw - (Attach clamp)	2
-5	MS28741-4-010		. Hose - (Brake line)	2
-6	AN5H13		. Bolt - (Two upper holes)(length varies with shim combination)	4
-7	AN960-516		. Washer - (Aft bolt only)	2
-8	AN76-12		. Bolt - (Two lower holes)(length varies with shim combinations)	4
-9	AN960-616L		. Washer - (Aft bolt only)	2
-10	AN815-4D		. Union	2
-11	AN775-4		. Bolt	2
-12	AN776-4D		. Elbow - Universal 90°	2
-13	AN901-4C		. Gasket	4
-14	0441150-8		. Wheel, Brake, Tire & Collar Assembly - Crosswind left	1
-15	0441150-9		. Wheel, Brake, Tire & Collar Assembly - Crosswind right	1
-16	0441150-2	*	. . Collar - Crosswind wheel axle left	1
	0441150-3	+	. . Collar - Crosswind wheel axle right	1
-17	0441151	*+	. . Bolt - (Attach collar)	2
-18	AN960-616	*+	. . Washer - (Attach collar)	2
-19	AN364-624	*+	. . Nut - (Attach collar)	2
	0541116-37		. . Wheel, Brake & Tire Assembly - Crosswind left	1
	0541116-38		. . Wheel, Brake & Tire Assembly - Crosswind right	1
-20	6:00 x 6		. . . Tire - Aircraft (6 ply)	1
-21	6:00 x 6		. . . Tube - Aircraft	1
	0541116-39	*	. . . Wheel & Brake Assembly - Crosswind left (GY9540293)	1
	0541116-40	+	. . . Wheel & Brake Assembly - Crosswind right (GY9540294)	1
	0541116-2		. . . . Wheel Assembly - Crosswind left (GY9530375	1
	0541116-3		. . . . Wheel Assembly - Crosswind right (GY9530376)	1
-22	0541116-4		. . . . . Wheel Sub-Assembly - Inboard half (GY9510816)	1
-23	0541116-5		. . . . . Cup - Bearing (GY95-5216)	1
-24	0541116-6		. . . . . Key - Disc drive (GY9510871)	8
-25	0541116-7		. . . . . Screw - Key retainer (GY9520644)	8
-26	AN960-416L		. . . . . Washer	8
-27	0541116-8		. . . . . Wheel Sub-Assembly - Outboard half (GY9510993)	1
-28	0541116-5		. . . . . Cup - Bearing (GY95-5216)	1
-29	AN4-45A		. . . . . Bolt - (Attach wheel halves)	4
-30	C2311-27		. . . . . Clip - Retainer (Tinnerman)	4
-31	AN365-428		. . . . . Nut - (Attach wheel halves)	4
-32	AN960-416		. . . . . Washer - (Attach wheel halves)	4
-33	0541116-10		. . . . . Hub & Axle Sub-Assembly (GY9520061)	1
-34	0541116-11		. . . . . Cone - Bearing (GY95-5217)	2
-35	0541116-12		. . . . . Shim - Pack (GY9510983)	1
-36	0541116-13		. . . . . Plate - Inboard bearing seal (GY9510978)	1
-37	0541116-14		. . . . . Gasket - Bearing seal (GY9510977)	1
-38	0541116-16		. . . . . Plate - Deflector left (GY9530373)	1
	0541116-15		. . . . . Plate-Deflector right (GY9530374)	1
-39	AN515-6-8		. . . . . Screw - (Attach plate)	3
-40	AN936A6		. . . . . Washer - Lock	3
-41	0541116-17		. . . . . Boot - Axle (GY9520424)	1
-42	0541116-22		. . . . . Cap - Stabilizer (GY9521246)	1
-43	0541116-21		. . . . . Gasket - Stabilizer cap (GY9510965)	1
-44	0541116-20		. . . . . Plate - Stabilizer cap gasket (GY9510966)	1
-45	AN74A5		. . . . . Bolt - (Attach stabilizer cap)	2
-46	AN935-416		. . . . . Washer - Lock	2
-47	0541116-18		. . . . . Spring - Stabilizer brake (GY9511005)	1
-48	0541116-19		. . . . . Lining - Stabilizer brake (GY9510988)	1
-49	0441010		. . . . . Fairing - Wheel (GY95-1044)	1
-50	AN515-6-4		. . . . . Screw - (Attach fairing)	3
-51	AN936A6		. . . . . Washer - Lock	3
-52	0541116-24		. . . . Clamp - (GY95-5242)	1
-53	95-11153		. . . . Bolt - (Attach brake to wheel)	3
-54	AN960-516		. . . . Washer	3
-55	0541116-33		. . . . Clip - Anti-rattle (GY9511103)	4
-56	0541116-41		. . . . Ring - Disc retaining (GY9530593)	1
-57	0541116-42		. . . . Fastener - Dot (#49398)(GY95-5383)	4

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
95-57	0541116-26	Brake Assembly - Left (GY 9530369)	1
	0541116-25	Brake Assembly - Right (GY 9530368)	1
-58	0541116-28	Housing - Left brake (GY 9540215)	1
	0541116-27	Housing - Right brake (GY 9540214)	1
-59	0441015-8	Plug - Inlet (GY 9520448)	1
-60	AN902-4	Gasket - Inlet	1
-61	0541116-30	Lining - Brake stationary (GY 9510735)	2
-62	0541116-31	Disc - Rotating brake (GY 9530084)	1
-63	0541116-32	Lining - Brake piston side (GY 9510734)	1
-64	0541117-3	Piston - Brake (GY 9510155)	1
-65	AN6230-2	Seal - Piston	1
-66	AN6230-3	Seal - Cylinder head	1
-67	0541116-35	Cylinder Head - Brake (GY 9510971)	1
-68	AN505-8R5	Screw - Bleeder	1
-69	0541117-7	Seal - Bleeder screw (GY 9510957)	1
-70	#10-24NC x 7/8	Screw - Flat head	1
-71	AN936C10	Washer	6
			6
		NOTE:	
	0441150-8	Wheel, Brake & Collar Assembly - Left (Less tire and tube) (consists of parts marked *)	
	0441150-9	Wheel, Brake & Collar Assembly - Right (less tire and tube) (consists of parts marked +)	
		GY - Indicates Goodyear Tire and Rubber Company	

ORDER BY PART NUMBER AND NAME — SERIAL NUMBER AND COLOR IF APPLICABLE

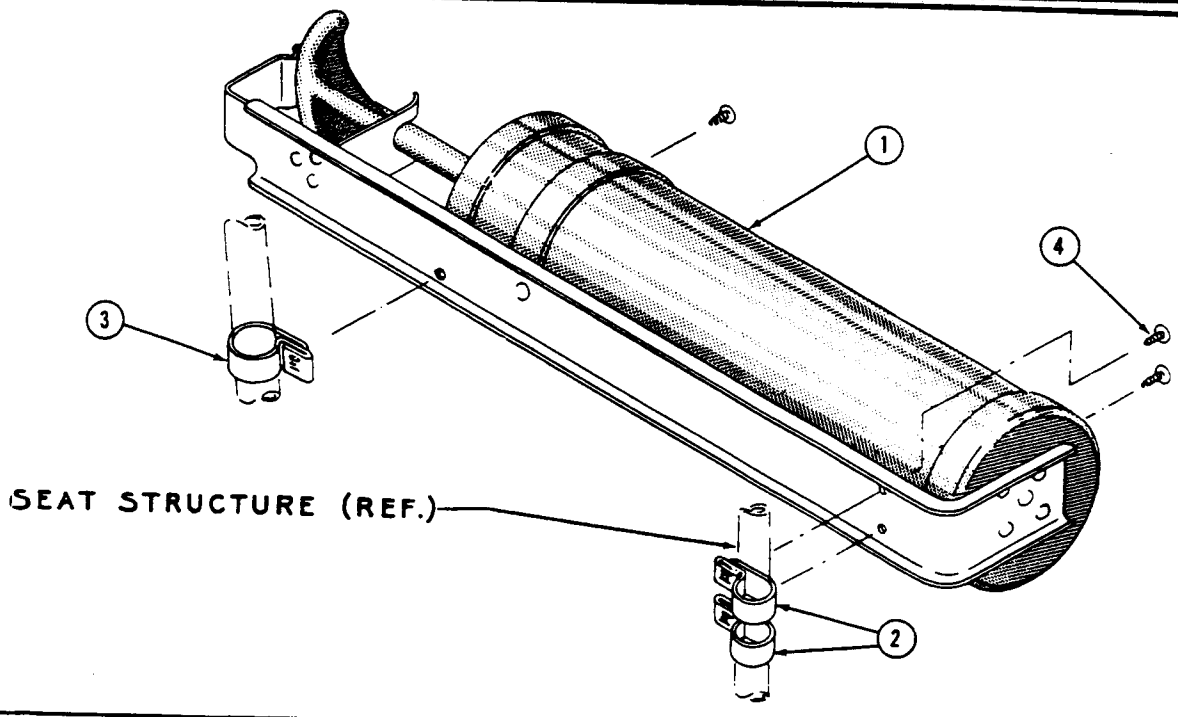


FIGURE 96. FIRE EXTINGUISHER INSTALLATION

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
96-	AK7053-12	Installation Kit - Fire extinguisher	
-1	0411986-2	. Fire extinguisher	1
-2	NAS434-D8	. Clamp - (Tinnerman A2981A-8)	1
-3	NAS434-D10	. Clamp - (Tinnerman A2981A-10)	2
-4	PK76XZ-8-8	. Screw - (Attach clamp)	1
			3

ORDER BY PART NUMBER AND NAME — SERIAL NUMBER AND COLOR IF APPLICABLE

ILLUSTRATED PARTS CATALOG

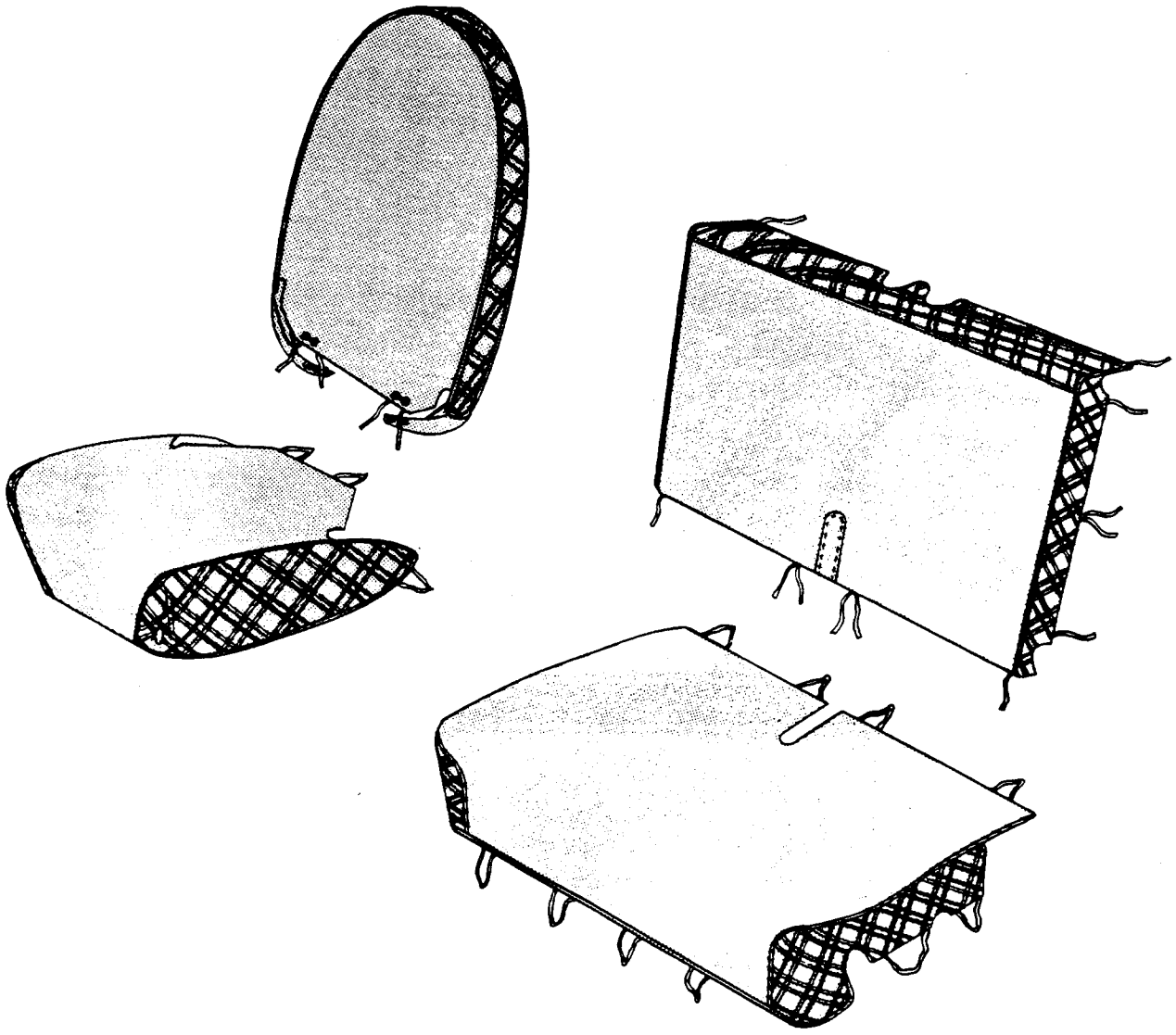


FIGURE 97. SEAT COVERS

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
97-	AK70B52-1	Installation Kit - Plastic seat cover (serial 20267 thru 25372)	1
	AK7054-1	Installation Kit - Plastic seat cover (serial 25373 thru 26300)	1
	AK170-3	Installation Kit - Plastic seat cover (serial 26301 thru 26995)	1
	AK170-6	Installation Kit - Plastic seat cover (serial 26996 & on)	1

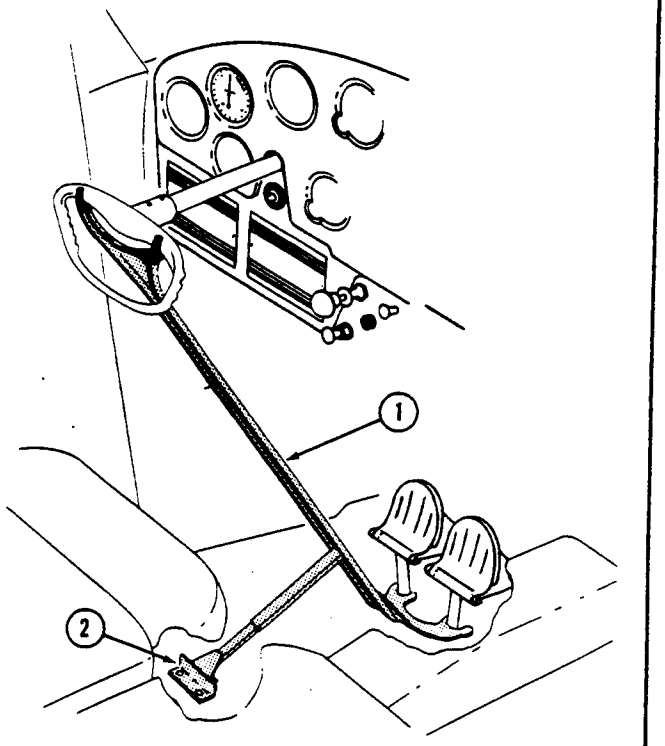


FIGURE 98. CONTROL LOCK

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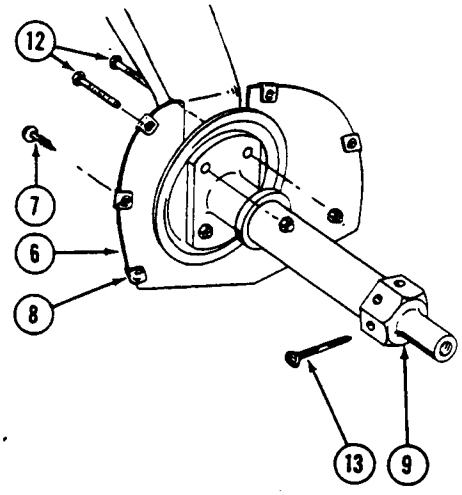
FIGURE 99.



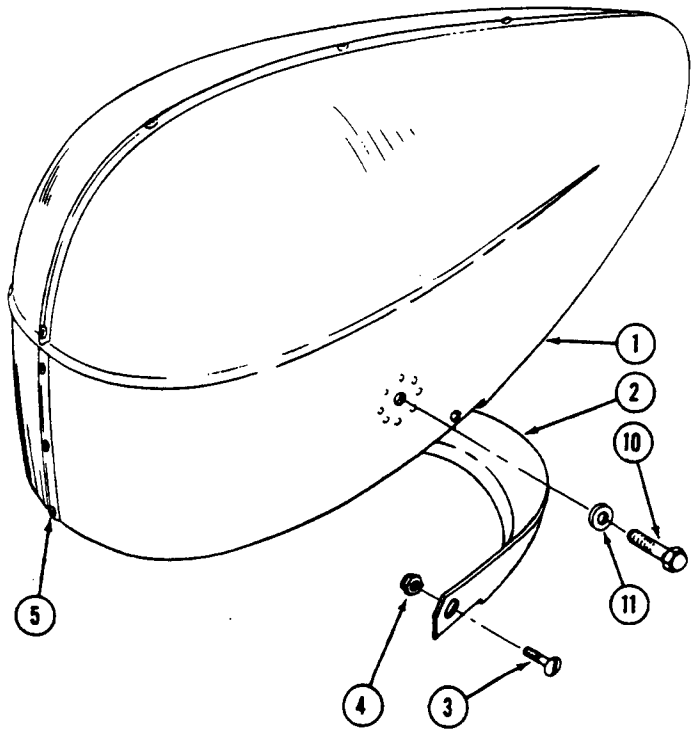


FIGURE 100. WHEEL FAIRINGS

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
98-1	0511142-5	Lock - Control	1
-2	0511142-2	Angle - Control lock stop (see figure 18)	Ref

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
99-	Deleted		

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
100-	AK70A52-1	Installation Kit - Main wheel fairing (Cessna 0441143)	1
	0441143-50	. Fairing Assembly - Complete left	1
-1	0441143-12	. . Fairing Assembly - Left	1
-2	0441143-11	. . . Scraper - Mud	1
-3	AN526-1032-6	. . . Screw - (Attach scraper)	4
-4	AN364-1032	. . . Nut - (Attach scraper)	4
-5	PK88XA-4-6	. . . Screw	12
-6	0441143-8	. . Plate - Mounting	1
-7	PK76XZ-10-6	. . Screw - (Attach plate)	5
-8	NAS395-28	. . Nut - (Attach plate) (Tinnerman A9031-10Z-3)	5
	0441143-51	. Fairing Assembly - Complete right	1
	0441143-13	. . Fairing Assembly - Right	1
	0441143-11	. . . Scraper - Mud	1
	AN520-1032-6	. . . Screw - (Attach scraper)	4
	AN364-1032	. . . Nut - (Attach scraper)	4
	PK88XA-4-6	. . . Screw	12
	0441143-9	. . Plate - Mounting	1
	PK76XZ-10-6	. . Screw - (Attach plate)	5
	NAS395-28	. . Nut - (Attach plate) (Tinnerman A9031-10Z-3)	5
-9	0441130	. Nut - Axle support	2
-10	AN6-5A	. Bolt - (Attach nut)	2
-11	AN936B616	. Washer	2
-12	AN5-25A	. Bolt	4
-13	AN380-4-10	. Pin - Cotter	1
	0441143-16	Kit - Plate and scraper	1
-2	0441143-11	. Scraper - Mud	2
-3	AN526-1032-6	. Screw - (Attach scraper)	8
-4	AN364-1032	. Nut - (Attach scraper)	8
	0441143-15	. Kit - Mounting plate	1
-6	0441143-8	. . Plate - Mounting L. H.	1
	0441143-9	. . Plate - Mounting R. H.	1
	PK76XZ-10-6	. . Screw - (Attach plate)	10
	NAS395-27	. . Nut - (Attach plate) (Tinnerman A1793-10Z-064-3)	10

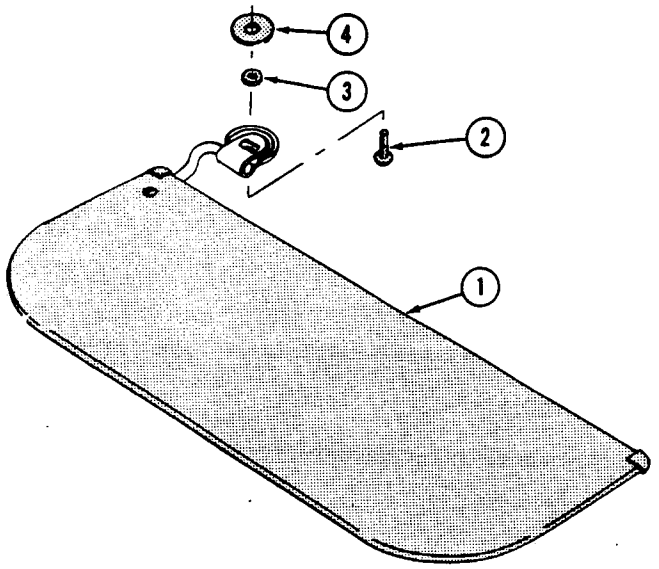


FIGURE 101. SUN VISOR INSTALLATION

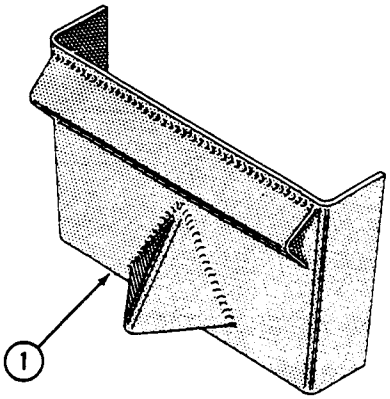


FIGURE 102. UNIVERSAL JACK POINT

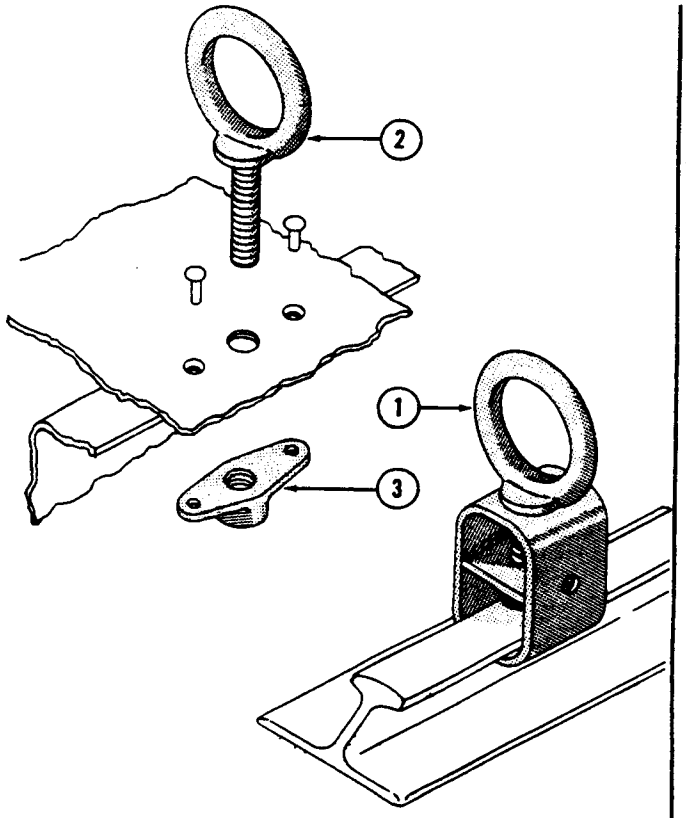


FIGURE 103. CARGO TIE-DOWN LUGS

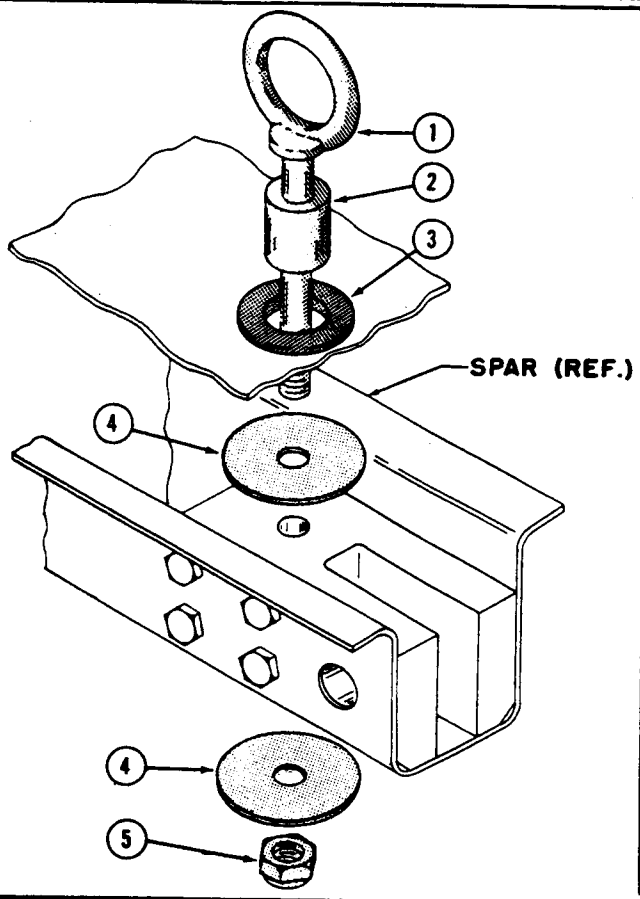


FIGURE 104. HOISTING PROVISIONS

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
101-	AK8055-1	Installation Kit - Sun visor (state color reqd)	2
-1	0713011-13	. Sun - Visor	1
-2	AN3-5A	. Bolt - (Attach sun-visor)	1
-3	AN960-10L	. Washer - (Attach sun-visor)	1
-4	0500010-4	. Washer	1

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
102-1	10004-79	Jack Point - Universal	1

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
103-	52-3-553	Installation Kit - Cargo tie-down lugs	1
-1	0511166	. Slide Assembly - Cargo tie-down lugs	2
-2	0511165	. Ring	6
-3	AN366-F428	. Nutplate	6

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
104-	52-3-848	Installation Kit - Hoisting provision	1
-1	0541115-3	. Eyebolt	4
-2	0541115-2	. Spacer	4
-3	AN931-10-14	. Grommet	4
-4	AN970-5	. Washer	8
-5	AN365-524	. Nut	4

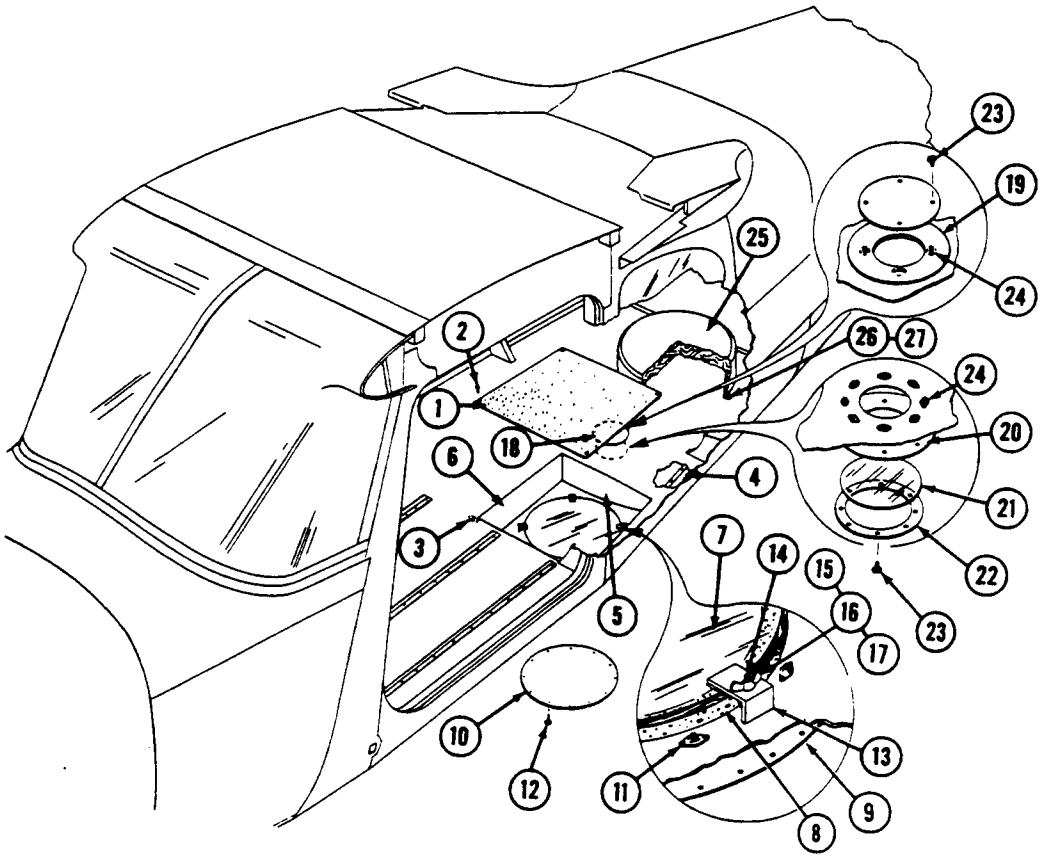


FIGURE 105. CAMERA PROVISIONS

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
105-	AK7054-2	Installation Kit - Camera provision	
-1	0510010-18	. Cover Assembly - Camera bay	1
-2	AN526-10R9	. Screw - (Attach cover)	1
-3	AN366F1032	. Nutplate - (Attach cover)	4
-4	0510010-32	. Bulkhead Assembly - Camera structure outboard	4
-5	0510010-3	. Bulkhead - Camera structure aft	1
-6	0510010-31	. Bulkhead Assembly - Camera structure inboard	1
-7	0510010-11	. Window - Camera glass	1
-8	0510010-12	. Seal - Camera cutout	1
-9	0510010-4	. Doubler- Camera cutout	1
-10	0510010-2	. Cover - Camera window	1
-11	NAS444-4	. Nutplate - (Attach cover) (Tinnerman A6191-8Z-3)	1
-12	PK76XZ-8-8	. Screw - (Attach cover)	12
-13	0510010-16	. Clamp Assembly - (Attach glass)	12
-14	AN526-1032R16	. Screw - (Attach clamp)	4
-15	AN365-1032	. Nut - (Attach clamp)	4
-16	AN935-10	. Lockwasher	4
-17	AN350-1032	. Wingnut	4
-18	0510010-30	. Cover Assembly - Observation window	4
-19	0510010-15	. Doubler - Observation window	1
-20	0510010-5	. Doubler - Observation window	1
-21	0510010-6	. Plate - Plexiglas	1
-22	0510010-7	. Ring - Support	1
-23	PK76XZ-8-8	. Screw	1
-24	NAS444-4	. Nutplate - (Tinnerman A6191-8Z-3)	12
-25	0510190	. Seat - Camera	12
-26	AN526-10R8	. Screw - (Attach seat)	1
-27	AN366F1032	. Nutplate	4

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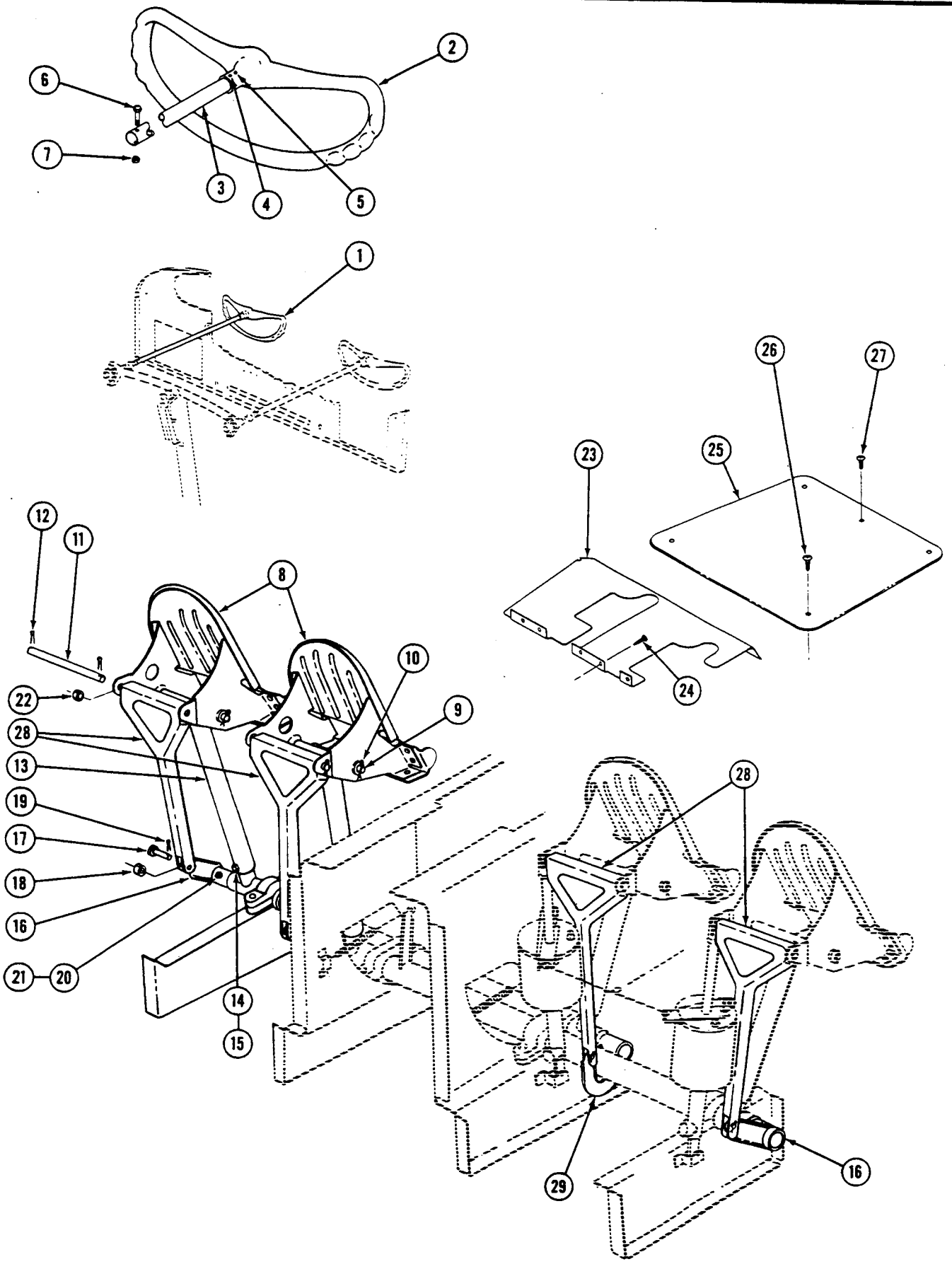


FIGURE 106. DUAL CONTROLS INSTALLATION (SERIAL 26996 AND ON)

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
106-	AK 170-1	Installation Kit - Controls RH (serial 26996 & on)	1
-1	0513127	. Wheel Assembly - Control	1
-2	0513127-2	. . Wheel - Control	1
-3	0413213-1	. . Tube - Control	1
-4	0413216-1	. . Rivet - (Attach wheel to tube)	1
-5	0413216	. . Rivet - (Attach wheel to tube)	1
-6	AN3-10A	. Bolt - (Attach wheel assembly to universal joint)	1
-7	AN365-1032	. Nut - (Attach wheel assembly to universal joint)	1
-8	0310453	. Pedal - Brake & rudder	2
-9	0411369-2	. Shaft - (Attach pedals)	2
-10	AN380-3-4	. Pin - Cotter (attach pedals)	2
-11	0411778-2	. Shaft - (Attach master cylinder to pedal)	2
-12	AN380-2-2	. Pin - Cotter (attach shaft)	2
-13	0411307	. Arm - Rudder bar	2
-14	AN3-11A	. Bolt - (Attach rudder bar)	2
-15	AN365-1032	. Nut - (Attach rudder bar)	2
-16	0411563	. Bellcrank Assembly - Rudder bar	3
-17	AN393-15	. Pin - Flat head (attach link)	2
-18	NAS43-3-12	. Spacer - (Attach link)	2
-19	AN380-2-2	. Pin - Cotter (attach pin)	2
-20	AN3-10A	. Bolt - (Attach bellcrank)	2
-21	AN365-1032	. Nut - (Attach bellcrank)	2
-22	NAS42-6-8	. Spacer	2
-23	0513015	. Shield - Rudder bar RH	1
-24	PK76XZ-8-8	. Screw - (Attach shield)	8
-25	0500100-174	. Kick Plate RH	1
-26	PK76XZ-8-8	. Screw - (Attach kick plate)	4
-27	PK86XA-4-6	. Screw - Nickel plated	1
-28	0411564	. Link - Dual brakes	4
-29	0411573	. Bellcrank Assembly - Rudder bar	1

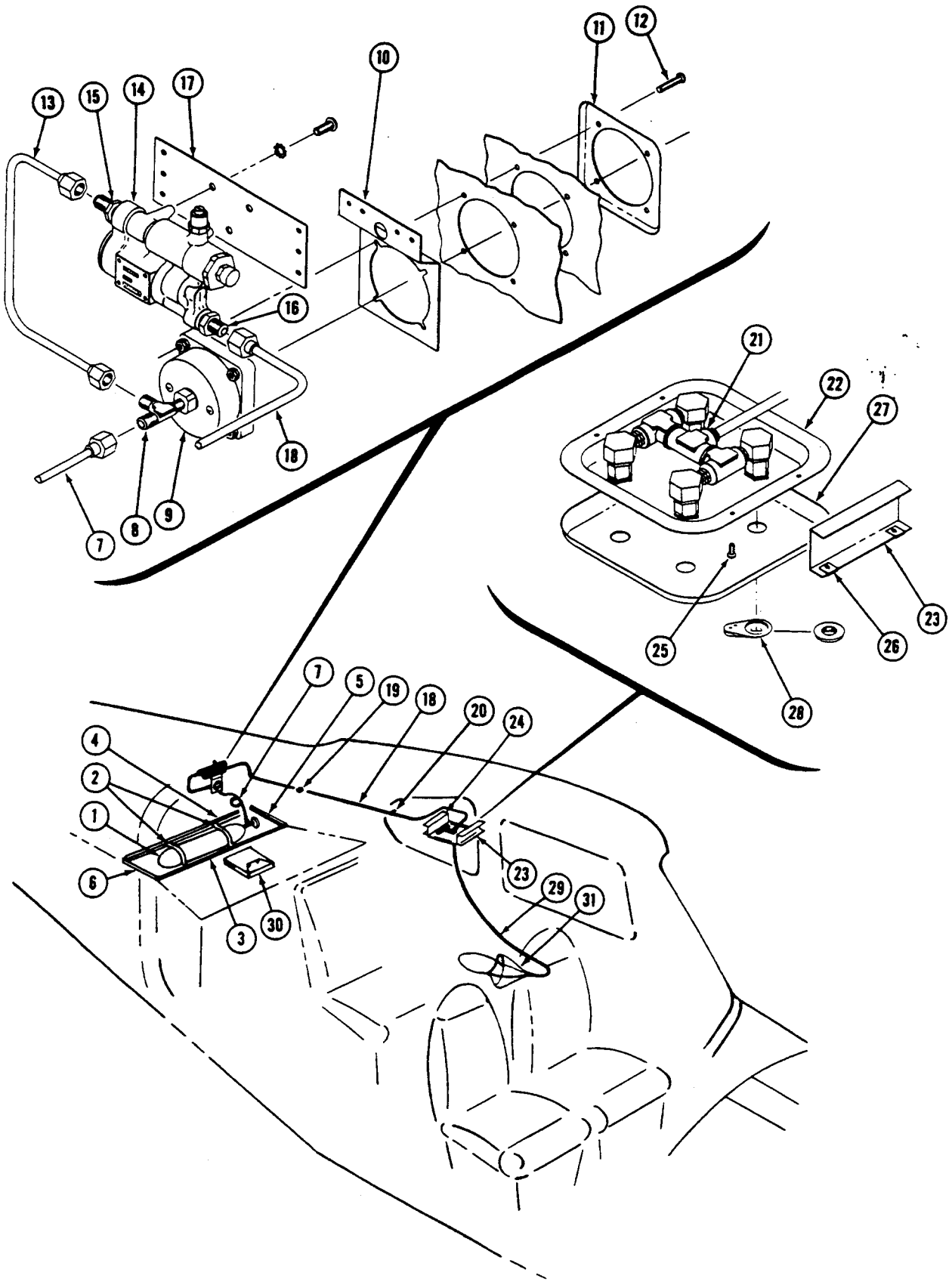
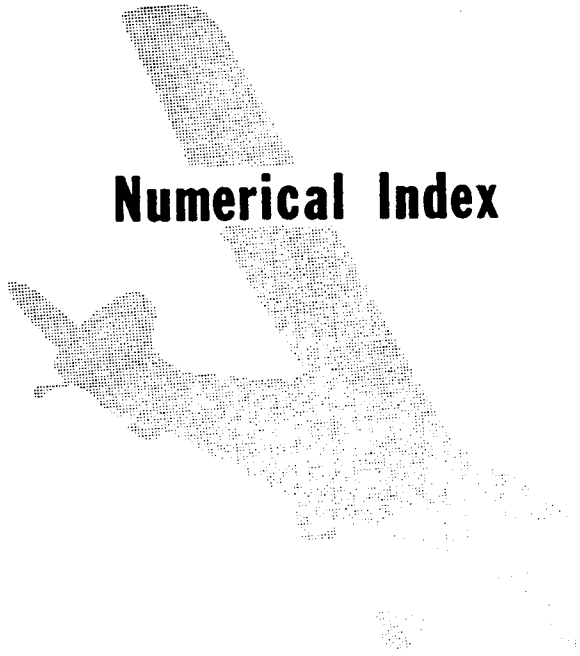


FIGURE 107. OXYGEN SYSTEM INSTALLATION KIT

ILLUSTRATED PARTS CATALOG

FIGURE AND INDEX NO.	PARTS NUMBER	DESCRIPTION	UNITS PER ASS'Y
107-	AK170-5	Installation Kit - Oxygen system	1
-1	0812360-1	. Cylinder & Valve Assembly - (Walter Kidde #923757)	1
-2	0812361-1	. Mounting Bracket - Cylinder (Scott Aviation #8590)	2
	AN4-5A	. Bolt - (Attach bracket)	4
	AN365-428	. Nut - (Attach bracket)	4
-3	0700030-10	. Angle - Tank support forward	1
-4	0700030-11	. Angle - Tank support aft	1
-5	0700030-1	. Angle - Tank support left	1
-6	0700030-2	. Angle - Tank support right	1
-7	0500106-184	. Tube H. P. - (Tank to gage)	1
-8	AN826-3D	. Tee - (Connect tube to gage)	1
-9	0812362-1	. Gage - Oxygen pressure	1
-10	0700030-4	. Bracket - Gage	1
-11	0700030-3	. Bezel - Gage	1
-12	AN515BR6	. Screw - (Attach gage)	4
-13	0500106-185	. Tube H. P. - (Gage to regulator)	1
-14	0812363-1	. Regulator Assembly - Oxygen	1
-15	AN816-3D	. . Nipple - (Attach regulator to H. P. tube)	1
-16	AN816-5D	. . Nipple - (Attach regulator to L. P. tube)	1
-17	0700030-5	. Bracket - Regulator	1
-18	0500106-186	. Tube L. P. - Regulator to manifold	1
-19	AN931-6S16	. Grommet	1
-20	A2981A-5	. Clamp - (Attach tube)	1
	PK76XZ-8-6	. Screw - (Attach clamp)	1
	0311001-27	. Washer - Cork (attach clamp)	1
	AN960-10L	. Washer - (Attach clamp)	1
-21	0800030-2	. Manifold Assembly	1
-22	0800030-14	. Pan - Manifold assembly support	1
-23	0700030-7	. Bracket - Pan support forward	1
-24	0700030-6	. Bracket - Pan support aft	1
-25	PK74XZ-6-6	. Screw - (Attach pan to bracket)	4
-26	A1804-6Z-3	. Nut - (Attach pan to bracket) (Tinnerman)	4
-27	0800030-5	. Cover	1
-28	0812366-1	. Dust Cap	4
-29	0800030-4	. Line Assembly - Oxygen	4
-30	0800030-19	. Case - Oxygen mask storage	1
-31	0812369-1	. Mask - Oxygen	4



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