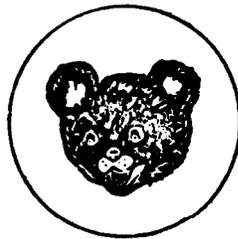


PIPER CUB



J-3

PARTS LIST

Illustrated in Adobe Acrobat By Will Ware

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FIGURE 1
JEL LINE ASSEMBLY
NON-PIECE

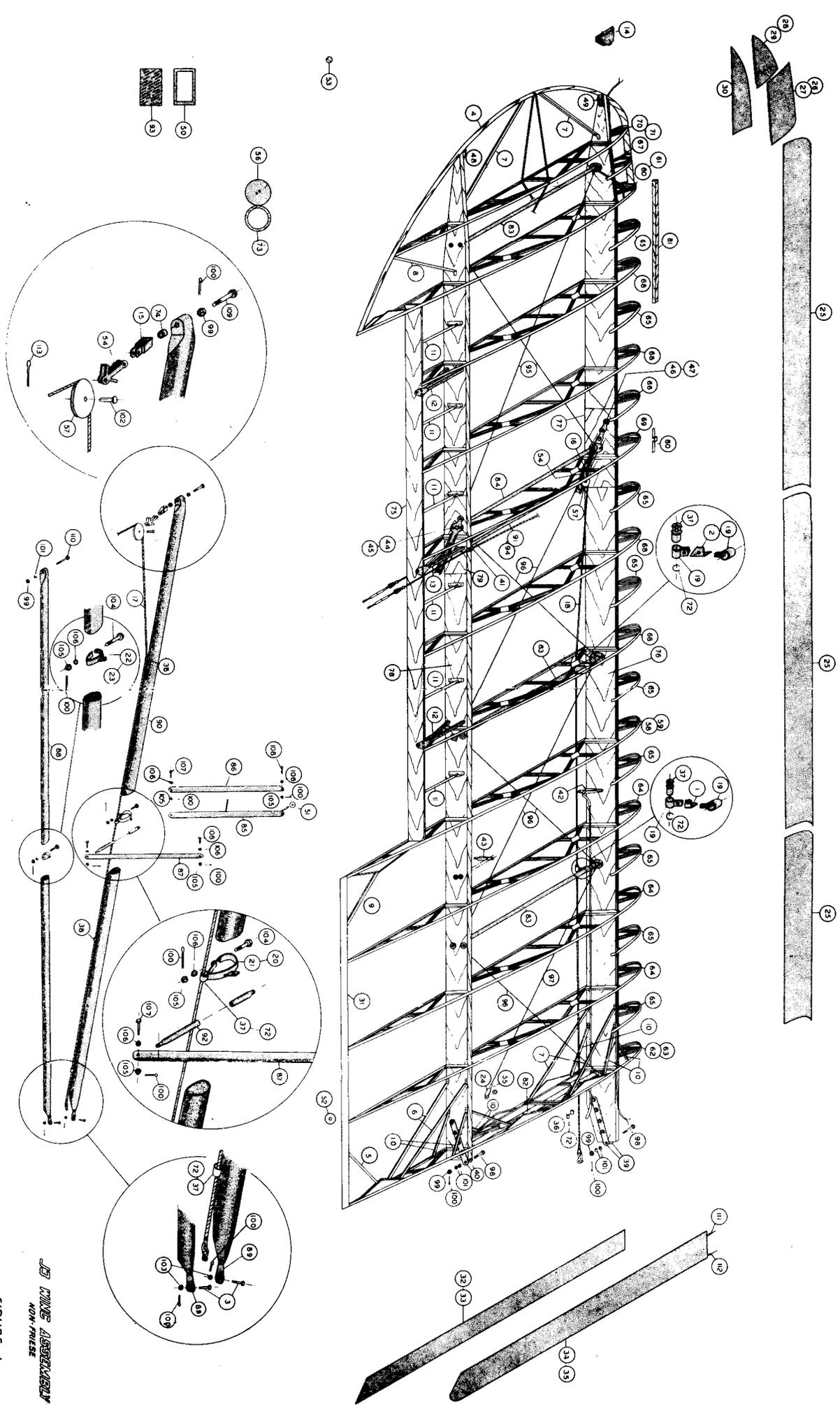
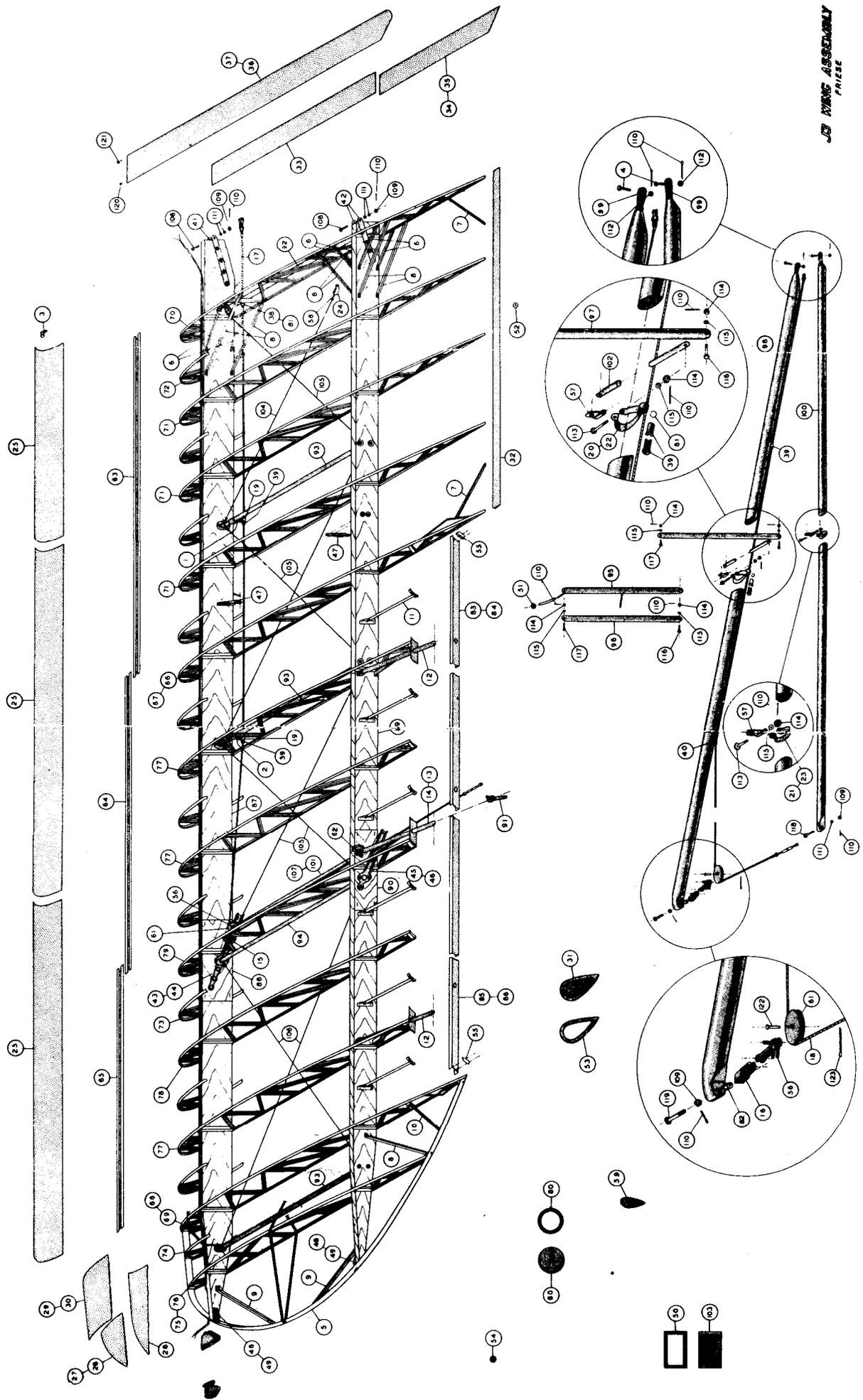


Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
WING ASSEMBLY - NON-FRIESE TYPE							
		00019-63	PANEL ASSY.—wing—less aileron, uncovered, left	No. 1999 to No. 2624, inclusive	1		
		00019-64	PANEL ASSY.—wing—less aileron, uncovered, right	except Nos. 2598, 2605, 2606, 2609, 2610, 2614, 2619, 2620, 2621 and 2622. Serial No. 2647 and No. 2860 also used the non-friese type wing	1		
		00082-12	PANEL ASSY.—wing—less aileron covered and doped sport yellow with black NC number—left		1		
		00082-13	PANEL ASSY.—wing—less aileron, covered and doped sport yellow with black NC number—right		1		
		13371-00	FABRIC ASSY.—wing		2		
1	1	12821-00	ANGLE—cable guide—No. 2 drag strut		2		
1	2	12811-00	ANGLE—cable guide—No. 3 drag strut		2		
1	3	82141-00	BOLT—lift strut clevis		4		
1	4	453-126	BOW—wing tip		2		
1	5	00017-71	BRACE—channel—No. 1 (17")		2		
1	6	00002-26	BRACE—channel—No. 2 (18-1/2")		4		
1	7	00006-89	BRACE—channel—No. 3 (20-3/4")		8		
1	8	00017-72	BRACE—channel—No. 4 (17")		2		
1	9	00017-73	BRACE—channel—No. 5 (14")		2		
1	10	00017-74	BRACE—channel—No. 6 (10-3/4")		14		
1	11	00006-46	BRACE—false spar		12		
1	12	00006-51	BRACKET—aileron wing hinge—long		4		
1	13	00006-52	BRACKET—aileron wing hinge—center—short		2		
1	14	80581-00	BRACKET—navigation lamp		2		
1	15	41421-00	BRACKET—wing pulley housing (on strut)		2		
1	16	41251-00	BRACKET—wing pulley housing (in wing)		2		
1	17	00021-62	CABLE—aileron control (on strut)		2		
1	18	40123-03	CABLE—aileron control (in wing)		2		
1	19	80007-27	CLAMP—No. 2 and No. 3 drag strut cable guide		8		
1	20	00006-59	CLAMP—jury strut—left front		1		
1	21	00079-25	CLAMP—jury strut—right front		1		
1	22	00006-60	CLAMP—jury strut—left rear		1		
1	23	00079-29	CLAMP—jury strut—right rear		1		
1	24	12851-00	CLEVIS—No. 1 drag strut		2		
1	25	750-449	COVER—leading edge (section) 72" x 12" NOTE: Material for covering wing leading edge will be furnished as flat stock only.		6		
1	26	13181-00	COVER—leading edge tip—upper—left (inside)		1		
1	27	13181-01	COVER—leading edge tip—upper—right (inside)		1		
1	28	13192-00	COVER—leading edge tip—upper—left (outside)		1		
1	29	13192-01	COVER—leading edge tip—upper—right (outside)		1		
1	30	13201-00	COVER—leading edge tip—lower		2		
1	31	15593-00	EDGE—trailing		2		
1	32	00017-67	FAIRING—wing root—left bottom		1		
1	33	00017-66	FAIRING—wing root—right bottom		1		
1	34	60711-00	FAIRING—wing root—left top		1		
1	35	60711-01	FAIRING—wing root—right top		1		
1	36	40071-00	FAIRLEAD—cable (short)		2		
1	37	40701-00	FAIRLEAD—cable (long)		8		
1	38	42911-00	FAIRLEAD—wing strut cable		4		
1	39	12801-00	FITTING—butt—front spar		2		
1	40	12791-00	FITTING—butt—rear spar		2		
1	41	80022-41	FAIRLEAD—(at aileron center hinge)		2		
1	42	00006-47	FITTING—jury strut—front spar		2		
1	43	12581-00	FITTING—jury strut—rear spar		2		
1	44	12502-02	FITTING—lift strut—rear spar—right front and left rear		2		
1	45	12502-03	FITTING—lift strut—rear spar—left front and right rear		2		
1	46	12512-02	FITTING—lift strut—front spar—right front and left rear		2		
1	47	12512-03	FITTING—lift strut—front spar—left front and right rear		2		
1	48	12561-00	FITTING—wing tip bow—right front and left rear		2		
1	49	12561-01	FITTING—wing tip bow—left front and right rear		2		
1	50	80541-02	FRAME—inspection window (aluminum)		3		
1	51	81342-02	GROMMET—airspeed tubing		3		
1	52	80122-53	GROMMET—wing drain (pyralin)		24		
1	53	81232-15	GROMMET—wing tip (pyralin)		8		
1	54	41291-00	HOUSING—pulley		4		
1	55	10201-00	NIPPLE—drag wire		32		
1	56	12761-00	PLATE—inspection		16		
1	57	40991-00	PULLEY—2-3/4"		4		
1	58	00001-81	RIB—aileron inboard—left		1		
1	59	00001-80	RIB—aileron inboard—right		1		
1	60	00006-36	RIB—aileron outboard—left		1		
1	61	00006-37	RIB—aileron outboard—right		1		
1	62	00019-68	RIB—butt—left		1		
1	63	00019-77	RIB—butt—right		1		
1	64	00001-78	RIB—full		6		
1	65	12662-02	RIB—nose		18		
1	66	12662-03	RIB—nose special		2		
1	67	12652-00	RIB—nose tip		2		
1	68	00001-79	RIB—three quarter		8		
1	69	00006-41	RIB—three quarter special		2		
1	70	1291-00	RIB—tip—left		1		
1	71	12912-01	RIB—tip—right		1		
1	72	40081-00	RING—fairlead lock		10		
1	73	80122-49	RING—inspection cover (pyralin)		16		
1	74	82732-22	SPACER—outer pulley housing bracket		2		
1	75	00006-83	SPAR—aileron false		2		
1	76	11233-00	SPAR—front		2		
1	77	11233-03	REINFORCEMENT—front spar		4		
1	78	11223-00	SPAR—rear		2		
1	79	11223-02	REINFORCEMENT—rear spar		4		
1	80	13381-02	STRAP—three quarter rib reinforcement		4		
1	81	00007-63	STRIP—leading edge tip (wood)		2		
1	82	00001-67	STRUT—No. 1 drag		2		
1	83	12721-03	STRUT—No. 2, 3 and 5 drag		6		
1	84	12721-04	STRUT—No. 4 drag		2		
1	85	00020-14	STRUT—front jury—left (with pitot tube)		1		
1	86	00007-80	STRUT—front jury—right		1		
1	87	00037-81	STRUT—rear jury		2		
1	88	12352-00	STRUT—rear lift		2		
1	89	11281-00	CLEVIS—with lock nut		2		
1	90	12363-00	STRUT—front lift		2		
1	89	11281-00	CLEVIS—with lock nut		2		
1	91	80132-19	TUBE—compression strut		2		
1	92	12591-00	TUBE—jury strut spacer		2		
1	93	82461-00	WINDOW—inspection (pyralin or aluminum)		3		
1	94	14941-02	WIRE—(through compression tube)		2		
1	95	14941-03	WIRE—drag (61-1/2")		4		
1	96	14941-04	WIRE—drag (49-7/8")		10		
1	97	14941-05	WIRE—drag (49-3/8")		2		

Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
WING ASSEMBLY — NON-FRIESE TYPE (Continued)							
		750 260	SET OF BOLTS, NUTS AND HARDWARE FOR WING PANELS—EXTERNAL	No. 1999 to No. 2624, inclusive, except Nos. 2598, 2605, 2606, 2608, 2610, 2614, 2619, 2620, 2621 and 2622. Serial No. 2647 and No. 2860 also used the non-friese type wing	1		
1	'98	400 161	BOLT—AN5-16		4		
1	99	404 102	CASTLE NUT—AN310-5		8		
1	100	424 051	COTTER PIN—AN380-2-2		28		
1	101	407 566	WASHERS—AN960-516		10		
1	102	424 276	PIN—clevis—AN396-17		2		
1	3	82141-00	BOLT		4		
1	103	404 394	SHEAR NUT—AN320-5		4		
1	104	400 057	BOLT—AN3-12		4		
1	105	404 100	CASTLE NUT—AN310-3		16		
1	106	407 564	WASHER—AN960-10		14		
1	107	400 052	BOLT—AN6-5		4		
1	108	400 051	BOLT—AN3-4		4		
1	109	400 162	BOLT—AN5-17		2		
1	110	400 159	BOLT—AN5-14		2		
1	111	419 744	No. 4 x 1/4" Type A Parker Screw		60		
1	112	419 753	No. 6 x 1/4" Type A Parker Screw		8		
1	113	424 059	COTTER PIN—AN380-3-3		2		
		750 717	SET OF BOLTS, NUTS AND HARDWARE FOR WING PANEL—INTERNAL		1		

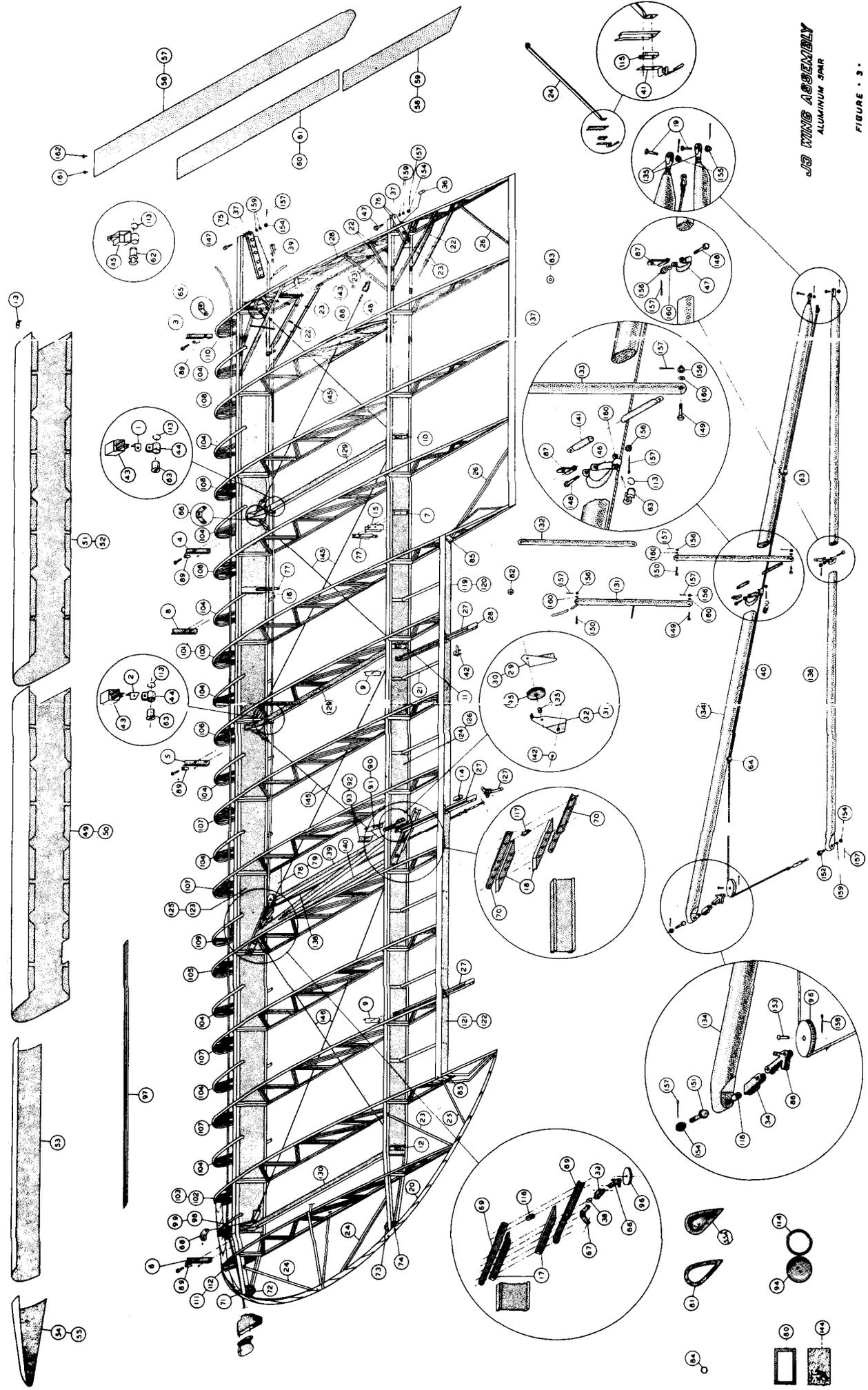
Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
WING ASSEMBLY — FRIESE TYPE (WOOD SPAR)							
		13004-00	PANEL ASSY.—wing—less aileron—uncovered—left	Used on ship serial Nos. 2598, 2605, 2606, 2609, 2610, 2614, 2619, 2620, 2621, 2622, 2625, and up to Serial No. 16297 incl., except Serial No. 2647 and No. 2860	1		
		13004-01	PANEL ASSY.—wing—less aileron—uncovered—right		1		
		13363-00	PANEL ASSY.—wing—less aileron—covered and doped sport yellow with black NC number—left		1		
		13363-01	PANEL ASSY.—wing—less aileron—covered and doped sport yellow with black NC number—right		1		
		13371-00	FABRIC ASSY.—wing		2		
2	1	12821-00	ANGLE—cable guide—No. 2 drag strut		2		
2	2	12811-00	ANGLE—cable guide—No. 3 drag strut		2		
2	3	12331-02	ATTACHMENT—butt rib leading edge		2		
2	4	82141-00	BOLT—lift strut clevis		4		
2	5	453 126	BOW—wing tip		2		
2	6	12252-02	BRACE—No. 1 channel (8-1/4")		6		
2	7	12252-08	BRACE—No. 2 channel (13-3/4")		4		
2	8	12252-03	BRACE—No. 3 channel (16")		14		
2	9	12252-04	BRACE—No. 4 channel (17")		4		
2	10	12252-05	BRACE—No. 5 channel (11")		2		
2	11	13131-00	BRACE ASSY.—false spar		12		
2	12	13062-00	BRACKET—aileron wing hinge—inboard and outboard		4		
2	13	12992-00	BRACKET—aileron wing hinge—center—left		1		
2	14	12992-01	BRACKET—aileron wing hinge—center—right		1		
2	15	41251-00	BRACKET—pulley housing (in wing)		2		
2	16	41421-00	BRACKET—pulley housing (on strut)		2		
2	17	40123-03	CABLE—aileron control (upper to lower horn)		2		
2	18	40123-04	CABLE—aileron (on lift strut)		2		
			NOTE: Above cable used to Serial No. 8277.				
2	18	40123-34	CABLE—aileron (on lift strut)		2		
			NOTE: Above cable used from Serial No. 8278 and up.				
2	19	80002-27	CLAMP—No. 2 and No. 3 drag strut cable guide		8		
2	20	00006-59	CLAMP—jury strut—left front		1		
2	21	00006-60	CLAMP—jury strut—left rear		1		
2	22	00079-25	CLAMP—jury strut—right front		1		
2	23	00079-29	CLAMP—jury strut—right rear		1		
			NOTE: Above jury strut clamps used to and including Serial No. 5503				
2	20 & 22	12601-00	CLAMP—front jury strut		2		
2	21 & 23	12611-00	CLAMP—rear jury strut		2		
			NOTE: Above jury strut clamps used from ship Serial No. 5504 up				
2	24	12851-00	CLEVIS—drag wire		2		
2	25	750 449	COVER—leading edge (section) 72" x 12"		6		
			NOTE: Material for covering wing leading edge will be furnished as flat stock only for wood spar wings				
2	26	13201-00	COVER—leading edge tip—lower		2		
2	27	13181-00	COVER—leading edge tip—upper—left (outboard)		1		
2	28	13181-01	COVER—leading edge tip—upper—right (outboard)		1		
2	29	13192-00	COVER—leading edge tip—upper—left (inboard)		1		
2	30	13192-01	COVER—leading edge tip—upper—right (inboard)		1		
2	31	60752-00	CUP—wing pulley fairing cover		2		
2	32	15593-00	EDGE—trailing		2		
2	33	60361-00	FAIRING—wing root—lower—front		2		
2	34	60371-00	FAIRING—wing root—lower left—rear		1		
2	35	60371-01	FAIRING—wing root—lower right—rear		1		
2	36	60711-00	FAIRING—wing root—upper left		1		
2	37	60711-01	FAIRING—wing root—upper right		1		
			NOTE: Above fairings used on ships to and including Serial No. 8277				
2	33	60872-00	FAIRING—wing root lower front—right		1		
2	33	60792-00	FAIRING—wing root lower front—left		1		
2	34	60782-00	FAIRING—wing root lower rear—left		1		
2	35	60782-01	FAIRING—wing root lower rear—right		1		
2	36	60772-00	FAIRING—wing root upper left		1		
2	37	60772-01	FAIRING—wing root upper right		1		
			NOTE: Above fairings used from ship Serial No. 8278 up.				
2	38	40071-00	FAIRLEAD—cable—short		2		
2	39	40701-00	FAIRLEAD—cable—long		8		



WING ASSEMBLY
RISE

FIGURE 2.

Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
WING ASSEMBLY – FRIESE TYPE (WOOD SPAR) – (Continued)							
2	40	42911-00	FAIRLEAD—lift strut cable.	Used on ship	2		
2	41	12801-00	FITTING ASSY.—butt—front spar.	Serial Nos. 2598,	2		
2	42	12791-00	FITTING ASSY.—butt—rear spar.	2605, 2606, 2609,	2		
2	43	12512-02	FITTING—lift strut—front spar—right front and left rear.	2610, 2614, 2619,	2		
2	44	12512-03	FITTING—lift strut—front spar—left front and right rear.	2620, 2621, 2622,	2		
2	45	12502-02	FITTING—lift strut—rear spar—right front and left rear.	2625, and up to	2		
2	46	12502-03	FITTING—lift strut—rear spar—left front and right rear.	Serial No. 16297	2		
2	47	12581-00	FITTING—jury strut—spar.	incl., except	4		
2	48	12561-00	FITTING—wing tip bow—right front and left rear.	Serial No. 2647	2		
2	49	12561-01	FITTING—wing tip bow—left front and right rear.	and No. 2860	2		
2	50	80541-02	FRAME—inspection window (aluminum).		3		
2	51	80122-51	GROMMET—airspeed tubing.		1		
2	52	80122-53	GROMMET—wing drain (pyralin).		24		
2	53	60671-00	GROMMET—wing pulley cover cup.		2		
2	54	81232-15	GROMMET—wing tip (pyralin).		8		
2	55	13171-00	GUSSET—aileron false spar reinforcing.		4		
2	56	41291-00	HOUSING—wing pulley.		4		
2	57	80002-41	LUG—jury strut attachment.		4		
2	58	10201-00	NIPPLE—drag wire.		32		
2	59	60481-00	PATCH—teardrop reinforcing.		10		
2	60	12761-00	PLATE—inspection.		16		
2	61	40991-00	PULLEY—2-3/4"		4		
2	62	80421-00	PULLEY—1-3/4"		2		
2	63	15662-00	REINFORCEMENT—wing leading edge cover, inboard.		1		
2	64	15672-00	REINFORCEMENT—wing leading edge cover, center.		1		
2	65	15682-00	REINFORCEMENT—wing leading edge cover, outboard.		1		
2	66	13042-00	RIB—aileron inboard—left.		1		
2	67	13042-01	RIB—aileron inboard—right.		1		
2	68	12902-00	RIB—aileron outboard—left.		1		
2	69	12902-01	RIB—aileron outboard—right.		1		
2	70	13052-03	RIB—butt.		2		
2	71	13052-02	RIB—full.		6		
2	72	12662-02	RIB—nose.		18		
2	73	12662-03	RIB—nose special.		2		
2	74	12652-00	RIB—nose tip.		2		
2	75	12912-00	RIB—tip—left.		1		
2	76	12912-01	RIB—tip—right.		1		
2	77	13022-02	RIB—three quarter.		6		
2	78	13022-04	RIB—three quarter.		2		
2	79	13022-03	RIB—three quarter special.		2		
2	80	80122-49	RING—inspection cover (pyralin).		16		
2	81	40081-00	RING—fairlead snap.		10		
2	82	82732-22	SPACER—pulley housing bracket.		2		
2	83	13092-02	SPAR—aileron false—left inner.		1		
2	84	13092-03	SPAR—aileron false—right inner.		1		
2	85	13092-04	SPAR—aileron false—left outer.		1		
2	86	13092-05	SPAR—aileron false—right outer.		1		
2	87	11233-00	SPAR—front.		2		
2	88	11233-03	REINFORCEMENT—front spar.		4		
2	89	11223-00	SPAR—rear.		2		
2	90	11223-02	REINFORCEMENT—rear spar.		4		
2	91	41431-00	STOP ASSY.—aileron horn.		2		
2	92	12721-02	STRUT—No. 1 drag.		2		
2	93	12721-03	STRUT—No. 2, 3, and 5 drag.		6		
2	94	12721-04	STRUT—No. 4 drag.		2		
2	95	00020-14	STRUT—front jury—left (with pitot tube).		1		
2	96	00007-80	STRUT—front jury—right.		1		
2	97	00007-81	STRUT—rear jury.		2		
NOTE: Above jury struts used to and including ship Serial No. 5503.							
2	95	12931-00	STRUT—front jury—left (with pitot tube).		1		
2	96	12571-02	STRUT—front jury—right.		1		
2	97	12571-03	STRUT—rear jury.		2		
NOTE: Above jury struts used from ship Serial No. 5504 and up.							
2	98	12363-00	STRUT—front lift.		2		
2	99	11281-00	CLEVIS—(with lock nut).		2		
NOTE: Above strut used on ships to Serial No. 8277.							
2	98	13233-00	STRUT—front lift.		1		
2	99	11281-00	CLEVIS—(with lock nut).		2		
NOTE: Above strut used on ships from Serial No. 8278 and up.							
2	100	12352-00	STRUT—rear lift.		2		
2	99	11281-00	CLEVIS—(with lock nut).		2		
2	101	80132-19	TUBE—compression strut.		2		
2	102	12591-00	TUBE—jury strut spacer.		2		
2	103	82461-00	WINDOW—inspection (pyralin or aluminum).		3		
2	104	14941-05	WIRE—drag (49-3/4").		2		
2	105	14941-04	WIRE—drag (49-3/4").		10		
2	106	14941-03	WIRE—drag (61-1/2").		4		
2	107	14941-02	WIRE—strut (through compression tube).		2		
SET OF BOLTS, NUTS AND HARDWARE FOR WING PANELS—INTERNAL							
SET OF BOLTS, NUTS AND HARDWARE FOR WING PANEL—EXTERNAL							
2	108	400 161	BOLT—AN5-16.		1		
2	109	404 102	NUT—castle—AN310-5.		4		
2	110	424 051	PIN—cotter—AN380-2-2.		8		
2	111	407 566	WASHER—AN960-516.		28		
2	4	82141-00	BOLT.		10		
2	112	404 394	NUT—shear—AN320-5.		4		
2	113	400 057	BOLT—AN3-12.		4		
2	114	404 100	NUT—castle—AN310-3.		4		
2	115	407 564	WASHER—AN960-10.		16		
2	116	400 052	BOLT—AN3-5.		14		
2	117	400 051	BOLT—AN3-4.		4		
2	118	400 162	BOLT—AN5-17.		4		
2	119	400 159	BOLT—AN5-14.		2		
2	120	419 744	SCREW—No. 4 x 3/4" Type A Parker.		2		
2	121	419 753	SCREW—No. 6 x 3/4" Type A Parker.		60		
2	122	424 376	PIN—clevis—AN396-17.		8		
2	123	474 059	PIN—cotter—AN380-3-3.		2		



WING ASSEMBLY
ALUMINUM SPAR

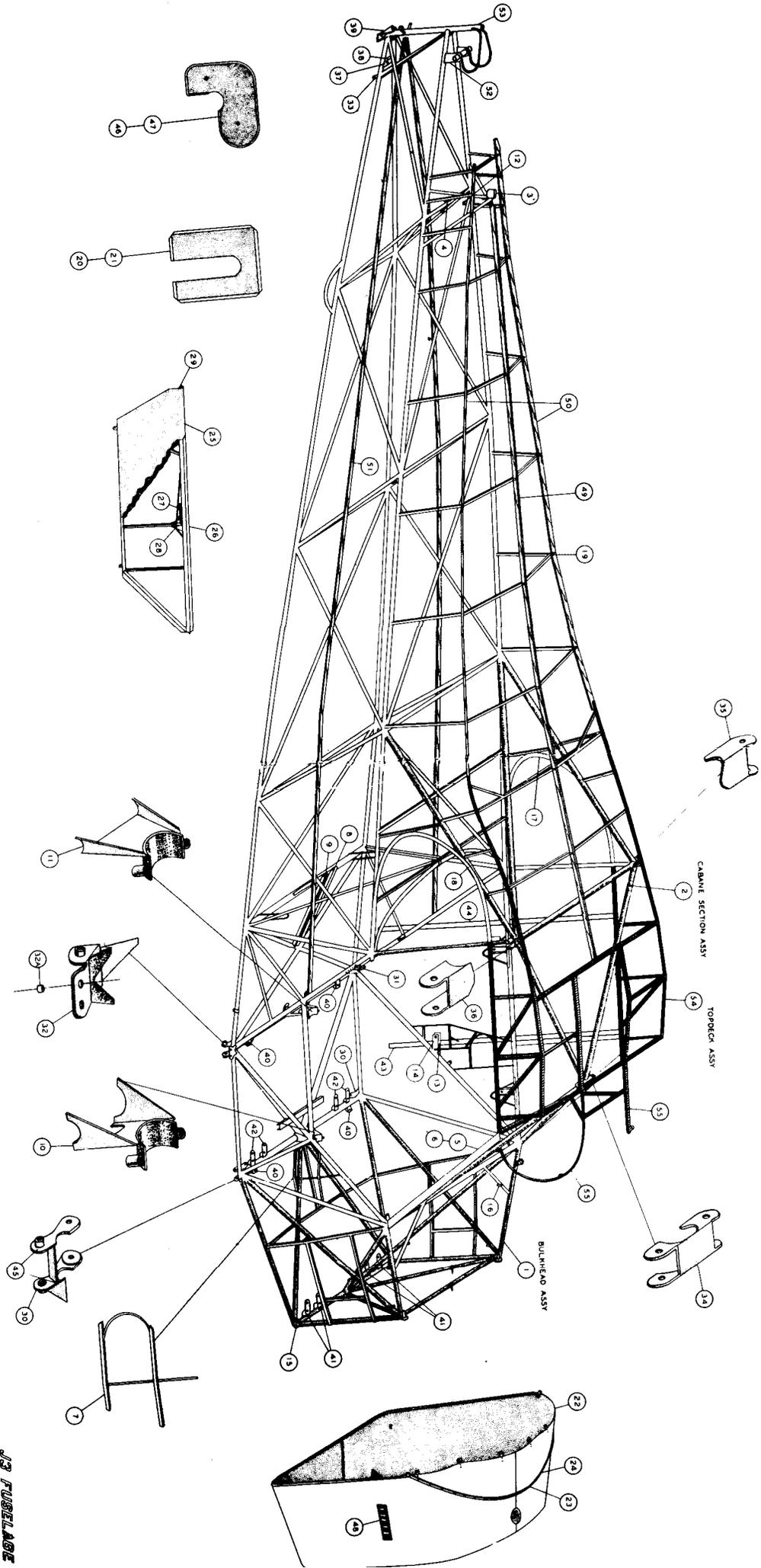
FIGURE 3

Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
WING ASSEMBLY — ALUMINUM SPAR							
		15556-00	PANEL ASSY.—wing, less aileron, uncovered, left		1		
		15556-01	PANEL ASSY.—wing, less aileron, uncovered, right		1		
		16243-00	PANEL ASSY.—wing, less aileron, covered and doped sport yellow with black NC number, left		1		
		16243-01	PANEL ASSY.—wing, less aileron, cover and doped sport yellow with black NC number, right		1		
		13371-00	FABRIC ASSY.—wing		2		
3	1	12821-00	ANGLE—cable guide—No. 2 drag strut		2		
3	2	16201-00	ANGLE—cable guide—No. 3 drag strut		2		
3	3	14401-02	ANGLE—front spar—No. 1 drag strut		2		
3	4	14401-03	ANGLE—front spar—No. 2 drag strut		2		
3	5	14401-04	ANGLE—front spar—No. 3 drag strut		2		
3	6	14401-05	ANGLE—front spar—No. 5 drag strut		2		
3	7	14361-02	ANGLE—jury strut fitting attachment, rear		2		
3	8	14361-03	ANGLE—jury strut fitting attachment, front		2		
3	9	10291-00	ANGLE—rear spar hinge bracket (inboard and outboard)		4		
3	10	14411-02	ANGLE—rear spar—No. 2 drag strut		2		
3	11	14411-03	ANGLE—rear spar—No. 3 drag strut		2		
3	12	14411-04	ANGLE—rear spar—No. 5 drag strut		2		
3	13	12331-02	ATTACHMENT—leading edge—wing butt rib		2		
3	14	14601-00	BLOCK ASSY.—aileron horn stop		2		
3	15	14371-02	BLOCK—jury strut fitting filler—rear		2		
3	16	14371-03	BLOCK—jury strut fitting filler—front		4		
3	17	14461-00	BLOCK—lift strut fitting filler—front spar		4		
3	18	14271-00	BLOCK—lift strut fitting filler—rear spar		4		
3	19	82141-00	BOLT—lift strut clevis		2		
3	20	453-126	BOW—wing tip		12		
3	21	14541-00	BRACE ASSY.—aileron false spar		12		
3	22	12252-02	BRACE—wing channel		14		
3	23	12252-03	BRACE—wing channel		5		
3	24	12252-04	BRACE—wing channel		2		
3	25	12252-05	BRACE—wing channel		4		
3	26	12252-08	BRACE—wing channel		6		
3	27	10912-06	BRACKET ASSY.—aileron hinge		6		
3	28	10921-00	BLOCK—bearing		1		
3	29	14611-00	BRACKET—aileron pulley—inboard half—left		1		
3	30	14611-01	BRACKET—aileron pulley—inboard half—right		1		
3	31	14621-00	BRACKET—aileron pulley—outboard half—left		1		
3	32	14621-01	BRACKET—aileron pulley—outboard half—right		2		
3	33	14261-00	BRACKET—pulley housing (in wing at front spar)		2		
3	34	41421-00	BRACKET—pulley housing (on strut)		2		
3	35	80012-03	BUSHING—(at aileron pulley)		2		
3	36	80012-16	BUSHING—No. 1 drag strut rear attachment		4		
3	37	80022-31	BUSHING—butt fitting attachment		2		
3	38	82732-24	BUSHING—pulley bracket spacer (at front spar)		4		
3	39	40123-03	CABLE—aileron (in wing)		2		
3	40	40123-34	CABLE—aileron (on lift strut)		2		
3	41	10280-00	CATCH—door		1		
3	42	10931-02	CLAMP—aileron hinge bracket false spar		6		
3	43	13481-00	CLAMP—No. 2 and 3 drag strut cable guide		4		
3	44	80002-27	CLAMP—No. 2 and 3 drag strut cable guide fairlead		4		
3	45	14491-00	CLAMP ASSY.—No. 1 drag strut fairlead		2		
3	46	12601-00	CLAMP ASSY.—front jury strut		2		
3	47	12611-00	CLAMP ASSY.—rear jury strut		2		
3	48	10221-00	CLEVIS—tie rod		32		
3	49	15482-00	COVER—leading edge—center left		1		
3	50	15482-01	COVER—leading edge—center right		1		
3	51	15472-00	COVER—leading edge—inboard left		1		
3	52	15472-01	COVER—leading edge—inboard right		1		
3	53	13072-05	COVER—wing leading edge—outboard		2		
3	54	15723-00	COVER—tip leading edge—left		1		
3	55	15723-01	COVER—tip leading edge—right		2		
3	55A	60752-00	CUP—pulley fairing cover		1		
3	56	60772-00	FAIRING—wing root upper—left		1		
3	57	60772-01	FAIRING—wing root upper—right		1		
3	58	60782-00	FAIRING—wing root lower rear—left		1		
3	59	60782-01	FAIRING—wing root lower rear—right		1		
3	60	60792-00	FAIRING—wing root lower front—left		1		
3	61	60872-00	FAIRING—wing root lower front—right		1		
3	62	40071-00	FAIRLEAD—control cable—short		2		
3	63	40701-00	FAIRLEAD—control cable—long		8		
3	64	42911-00	FAIRLEAD—lift strut cable		2		
3	65	10171-04	FITTING—drag wire pull—No. 1 drag strut		4		
3	66	10161-04	FITTING—drag wire pull—No. 2 and 3 drag strut		8		
3	67	10161-05	FITTING—drag wire pull—No. 4 drag strut		4		
3	68	10171-05	FITTING—drag wire pull—No. 5 drag strut		4		
3	69	14192-00	FITTING ASSY.—front spar lift strut		4		
3	70	14182-00	FITTING ASSY.—rear spar lift strut		4		
3	71	16561-00	FITTING—front spar bow—front		2		
3	72	16551-00	FITTING—front spar bow—rear		2		
3	73	16601-00	FITTING—rear spar bow—front		2		
3	74	16611-00	FITTING—rear spar bow—rear		2		
3	75	10401-00	FITTING—spar butt hinge—front		4		
3	76	14161-00	FITTING—spar butt hinge—rear		4		
3	77	12581-00	FITTING—spar jury strut		4		
3	78	10531-00	FORMER—fabric—left		1		
3	79	10531-01	FORMER—fabric—right		1		
3	80	80541-02	FRAME—inspection window (aluminum)		3		
3	81	60671-00	GROMMET—aileron pulley housing (pyralin)		2		
3	82	81342-02	GROMMET—airspeed tubing (pyralin)		3		
3	83	80122-53	GROMMET—wing drain (pyralin)		24		
3	84	81232-15	GROMMET—wing tip (pyralin)		8		
3	85	13171-00	GUSSET—wing false spar		4		
3	86	41291-00	HOUSING—wing pulley		4		
3	87	80002-41	LUG—jury strut attachment		4		
3	88	10201-00	NIPPLE—tie rod		32		
3	89	10151-00	PLATE—lock—drag strut bolt		24		
3	90	14571-00	PLATE—aileron pulley bracket attachment angle—left		1		
3	91	14571-01	PLATE—aileron pulley bracket attachment angle—right		1		
3	92	14291-00	PLATE—center aileron hinge bracket attachment angle—left		1		
3	93	14291-01	PLATE—center aileron hinge bracket attachment angle—right		1		
3	94	12761-00	PLATE—inspection		16		
3	95	80421-00	PULLEY—1.375"		2		
3	96	40991-00	PULLEY—2.375"		4		
3	97	15742-00	REINFORCEMENT—wing leading edge		2		
3	98	16192-00	RIB—nose tip—left		1		

Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
WING ASSEMBLY - ALUMINUM SPAR							
(Continued)							
3	99	16192-01	RIB—nose tip—tight		1		
3	100	13042-00	RIB ASSY.—inboard aileron—left		1		
3	101	13042-01	RIB ASSY.—inboard aileron—right		1		
3	102	12902-00	RIB ASSY.—outboard aileron—left		1		
3	103	12902-01	RIB ASSY.—outboard aileron—right		1		
3	104	12662-02	RIB ASSY.—nose		20		
3	105	13022-06	RIB ASSY.—three quarter (at strut point)		2		
3	106	13022-05	RIB ASSY.—three quarter No. 6		2		
3	107	13022-02	RIB ASSY.—three quarter No. 7, 8, 10, and 11		8		
3	108	13052-02	RIB ASSY.—full No. 2, 3, and 4		6		
3	109	15712-00	RIB ASSY.—wing nose (at strut point)		2		
3	110	13052-04	RIB ASSY.—butt		2		
3	111	10742-02	RIB ASSY.—tip—left		1		
3	112	10742-03	RIB ASSY.—tip—right		1		
3	113	40081-00	RING—fairlead lock		10		
3	114	80122-49	RING—inspection cover (pyralin)		16		
3	115	10474-00	SPACER—door catch		1		
3	116	15631-02	SPACER—front lift strut fitting		2		
3	117	15631-03	SPACER—rear lift strut fitting		2		
3	118	82732-22	SPACER—pulley housing bracket		2		
3	119	15562-00	SPAR—false—inboard left		1		
3	120	15562-01	SPAR—false—inboard right		1		
3	121	15572-00	SPAR—false—outboard left		1		
3	122	15572-01	SPAR—false—outboard right		1		
3	123	14383-02	SPAR—left—front		1		
3	124	14453-02	SPAR—left—rear		1		
3	125	14383-03	SPAR—right front		1		
3	126	14453-03	SPAR—right rear		1		
3	127	14581-00	STOP ASSY.—aileron horn		2		
3	128	14232-00	STRUT ASSY.—No. 1 drag		4		
3	129	14222-02	STRUT ASSY.—No. 2 and 3 drag		4		
3	130	14222-00	STRUT ASSY.—No. 5 drag		2		
3	131	12931-00	STRUT ASSY.—front jury—left (with pitot tube)		1		
3	132	12571-02	STRUT—front jury—right		1		
3	133	12571-03	STRUT—rear jury		2		
3	134	13233-00	STRUT ASSY.—front lift		2		
3	135	11281-00	CLEVIS—(with lock nut)		2		
3	136	12352-00	STRUT—rear lift		2		
3	135	11281-00	CLEVIS—(with lock nut)		2		
3	137	15773-00	TRAILING EDGE ASSY.—wing		2		
3	138	10112-07	TUBE—drag strut "N" brace		2		
3	139	16472-00	TUBE ASSY.—"N" brace lower		2		
3	140	16462-00	TUBE ASSY.—"N" brace upper		2		
3	141	12591-00	TUBE—jury strut spacer		2		
3	142	80122-11	WASHER—(at rear spar pulley bracket)		2		
3	143	81102-03	WASHER—tie rod clevis square		32		
3	144	82461-00	WINDOW—inspection (pyralin or aluminum)		3		
3	145	14941-06	WIRE—wing drag (No. 1, 2, and 3 bay)		12		
3	146	14941-07	WIRE—wing drag (No. 4 bay)		4		
		750 717	SET OF BOLTS, NUTS AND HARDWARE FOR WING PANEL—INTERNAL		1		
		750 260	SET OF BOLTS, NUTS AND HARDWARE FOR WING PANELS—EXTERNAL		1		
3	147	400 161	BOLT—AN5-16		4		
3	19	82141-00	BOLT		4		
3	148	400 057	BOLT—AN3-12		4		
3	149	400 052	BOLT—AN3-5		4		
3	150	400 051	BOLT—AN3-4		4		
3	151	400 162	BOLT—AN5-17		2		
3	152	400 159	BOLT—AN5-14		2		
3	153	424 276	CLEVIS PIN—AN396-17		2		
3	154	404 102	CASTLE NUT—AN310-5		8		
3	155	404 394	SHEAR NUT—AN320-5		4		
3	156	404 100	CASTLE NUT—AN310-3		16		
3	157	424 051	COTTER PIN—AN380-2-2		28		
3	158	424 059	COTTER PIN—AN380-3-3		2		
3	159	407 566	WASHER—AN960-516		10		
3	160	407 564	WASHER—AN960-10		14		
3	161	419 744	PARKER SCREW—No. 4 x 1/2" Type A		60		
3	162	419 753	PARKER SCREW—No. 6 x 3/4" Type A		8		

AIRCRAFT BOLTS

AN Dash Number	Length Under Head to End	AN3 10-32	AN4 1/4"	AN5 5/16"	AN6 3/8"	AN7 1/2"	AN8 1 1/2"
-4	1/4"	400 051	400 101				
-5	3/8"	400 052	400 102	400 152	400 202		
-6	1/2"	400 053	400 103	400 153			
-7	5/8"	400 054	400 104	400 154	400 204		
-10	1"	400 055	400 105	400 155	400 205		
-11	1-1/8"	400 056	400 106	400 156	400 206		
-12	1-1/4"	400 057	400 107	400 157	400 207		
-13	1-3/8"	400 058	400 108	400 158	400 208		
-14	1-1/2"	400 059	400 109	400 159	400 209		
-15	1-5/8"	400 060	400 110	400 160	400 210		
-16	1-3/4"	400 061	400 111	400 161	400 211		
-17	1-7/8"		400 112	400 162	400 212		
-20	2"		400 113	400 163	400 213		
-21	2-1/8"		400 114		400 214	400 262	
-22	2-1/4"		400 115	400 165	400 215		400 303
-23	2-3/8"			400 166	400 216	400 264	
-24	2-1/2"		400 117	400 167	400 217		
-25	2-5/8"		400 118	400 168	400 218		
-26	2-3/4"			400 169	400 219	400 267	
-27	2-7/8"			400 170	400 220		
-30	3"			400 171	400 223		
-32	3-1/8"				400 225		
-34	3-1/4"				400 227	400 273	400 313
-35	3-3/8"						400 314
-36	3-1/2"				400 229	400 275	
-37	3-5/8"					400 276	
-40	4"				400 231	400 277	
-41	4-1/8"				400 232		



J3 FUSELAGE
FIGURE 4

Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
			FUSELAGE ASSEMBLY				
		24096-00	FUSELAGE FRAME AND SUPERSTRUCTURE ASSY.....		1		
		24021-00	FABRIC—fuselage—top.....		2		
		22491-00	FABRIC—fuselage—bottom.....		1		
		22481-00	FABRIC—fuselage—side.....		2		
4	1	24006-03	BULKHEAD SECTION ASSY.....		1		
4	2	24006-02	CABANE SECTION ASSY.....		1		
4	3	20491-03	BEARING—stabilizer screw—upper.....		1		
4	4	80022-20	BEARING—stabilizer screw—lower.....		1		
4	5	21966-18	BRACE—windshield left.....		1		
4	6	21966-13	BRACE—windshield right.....		1		
4	7	21472-02	BRACKET ASSY.—carburetor heat box.....		1		
4	8	21442-02	BRACKET ASSY.—elevator bellcrank, left.....		1		
4	9	21442-03	BRACKET ASSY.—elevator bellcrank, right.....		1		
4	10	20981-00	BRACKET ASSY.—torque tube front bearing.....		1		
4	11	20751-00	BRACKET ASSY.—torque tube rear bearing.....		1		
4	12	20551-00	BRACKET—stabilizer adjustment idler.....		1		
4	13	21571-00	BRACKET—stabilizer adjustment crank, left.....		1		
4	14	21571-01	BRACKET—stabilizer adjustment crank, right.....		1		
4	15	82341-02	BUSHING ASSY.—engine mount bulkhead.....		4		
4	16	80022-27	BUSHING—fuselage fuel tank.....		4		
4	17	10057-00	CHANNEL—rear window left.....		1		
4	18	10058-00	CHANNEL—rear window right.....		1		
			NOTE: Above channels used from Serial No. 15634 and up.				
4	19	20391-00	CLIP—stringer attachment.....		13		
4	20	60571-00	COVER—yoke inspection, left.....		1		
4	21	60571-01	COVER—yoke inspection, right.....		1		
4	22	00024-22	COWL—fuselage.....		1		
			NOTE: Above fuselage cowl was used from ship Serial No. 1999 to No. 5076, inclusive, except No. 5060. This cowl has a footwell, and cannot be used with engine muffler installation due to footwell.				
4	22	22443-00	COWL—fuselage.....		1		
			NOTE: Above fuselage cowl was used on ship Serial Nos. 5060, 5077, and up to 13853.				
4	22	23993-00	COWL—fuselage.....		1		
4	23	23942-00	STRIP—attachment front.....		1		
4	24	23952-00	STRIP—attachment rear.....		1		
			NOTE: Above cowl used from Serial No. 13854 and up. (Started with plexiglass windshield installation.)				
4	25	50183-00	DOOR ASSY—fuselage (covered and doped).....		1		
4	26	50173-00	DOOR ASSY—fuselage (uncovered).....		1		
4	27	50151-00	HANDLE.....		1		
4	28	50192-00	LINK ASSY.—handle.....		1		
4	29	50131-00	PLUNGER ASSY.—complete.....		2		
4	30	20722-02	FITTING—landing gear—front.....		2		
4	31	20401-00	FITTING—landing gear and lift strut—left rear.....		1		
4	32	20401-01	FITTING—landing gear and lift strut—right rear.....		1		
4	32A	80012-63	BUSHING.....		4		
			NOTE: The above landing gear fittings were used from Serial No. 1999 to 8277, inclusive.				
4	30	21272-02	FITTING—landing gear—front.....		2		
4	31	21642-02	FITTING—landing gear and lift strut—left rear.....		1		
4	32	21642-03	FITTING—landing gear and lift strut—right rear.....		1		
4	32A	80012-63	BUSHING.....		4		
			NOTE: Above landing gear fittings were used from Serial No. 8278 and up.				
4	33	80292-15	FITTING—tail tie rod.....		2		
4	34	21431-00	FITTING—wing hinge front.....		1		
4	35	21421-00	FITTING—wing hinge—rear left.....		1		
4	36	21421-01	FITTING—wing hinge—rear right.....		1		
4	37	00002-82	FITTING ASSY.—tailskid bolt front.....		1		
			NOTE: Above fitting was used from Serial No. 1999 to 8277, inclusive.				
4	37	20631-00	FITTING—tailskid "U" front.....		1		
4	38	81102-05	PLATE—tailskid front fitting.....		1		
			NOTE: Above fitting and plate were used from Serial No. 8278 and up.				
4	39	20611-00	FITTING—tailskid—rear.....		1		
4	40	24101-00	FITTING—floorboard attachment.....		4		
4	41	24121-02	FITTING—rudder pedal and floorboard attachment—front.....		4		
4	42	24121-03	FITTING—rudder pedal and floorboard attachment—rear.....		4		
4	43	21671-00	GUIDE ASSY.—sliding window—front.....		1		
4	44	10059-00	GUIDE ASSY.—sliding window—rear.....		1		
4	45	81272-15	GUSSET—front landing gear fitting.....		2		
4	46	60742-00	PANEL—tail inspection—left.....		1		
4	47	60742-01	PANEL—tail inspection—right.....		1		
4	48	480 921	PLATE—cowl name.....		2		
4	49	21621-02	STRINGER—center.....		1		
4	50	21621-03	STRINGER—side upper.....		2		
4	51	21966-10	STRINGER—side lower.....		2		
4	52	21161-00	SUPPORT ASSY.—stabilizer rear.....		1		
4	53	00032-49	TAILPOST ASSY.....		1		
		81262-18	PLATE—tailskid.....		1		
			NOTE: Above tailpost was used from Serial No. 1999 to No. 8277, inclusive.				
4	53	20012-00	TAILPOST ASSY.....		1		
			NOTE: Above tailpost was used from Serial No. 8278 up.				
4	54	00032-64	TOPDECK ASSY.....		1		
		00018-27	RIB ASSY.—plywood.....		2		
			NOTE: Above topdeck assembly was used from Serial No. 1999 to No. 8277, inclusive.				
4	54	24096-02	TOPDECK ASSY.....		1		
4	55	21872-00	TUBE—front fairing.....		2		
			NOTE: Above topdeck used from Serial No. 8278 up.				

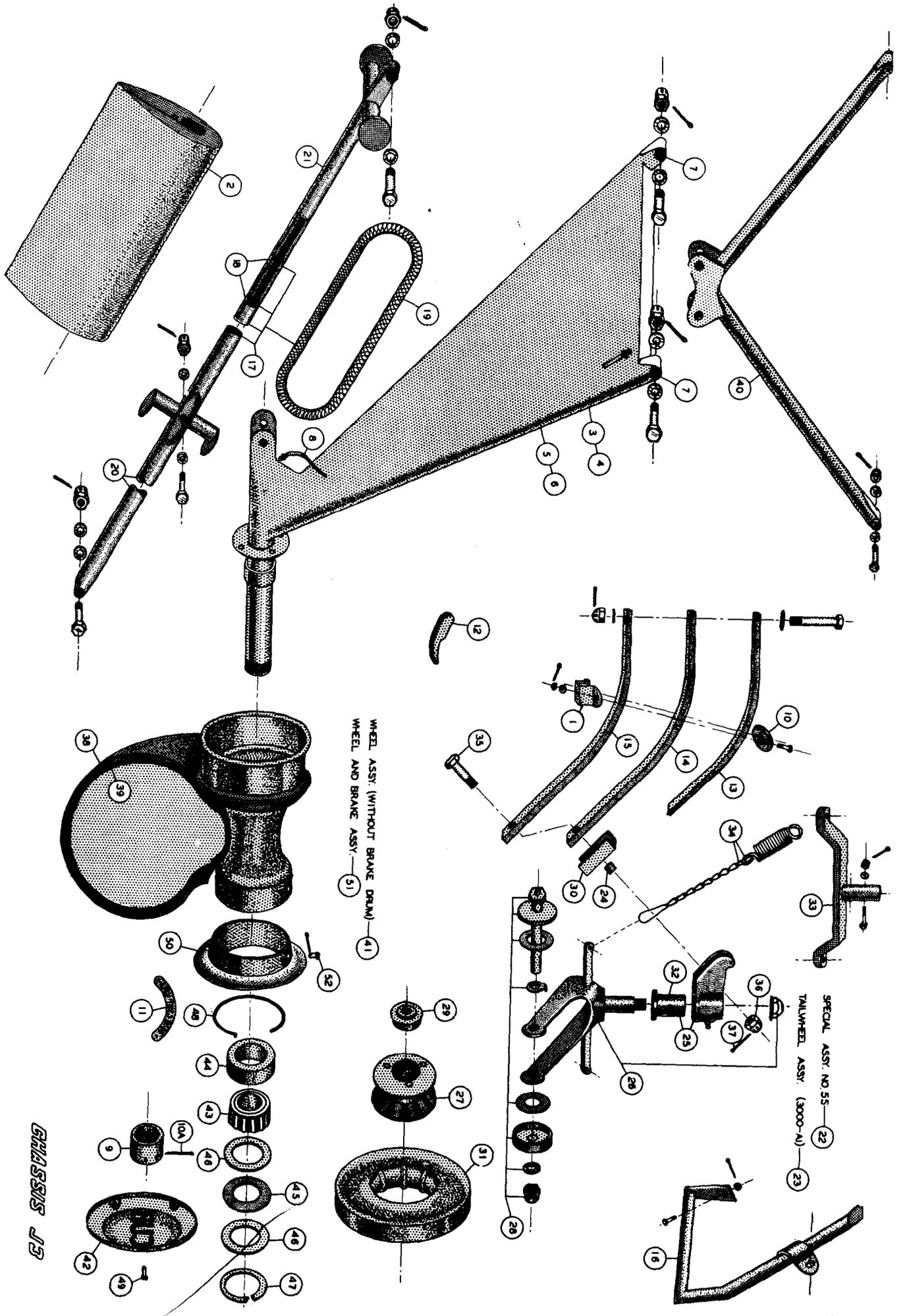
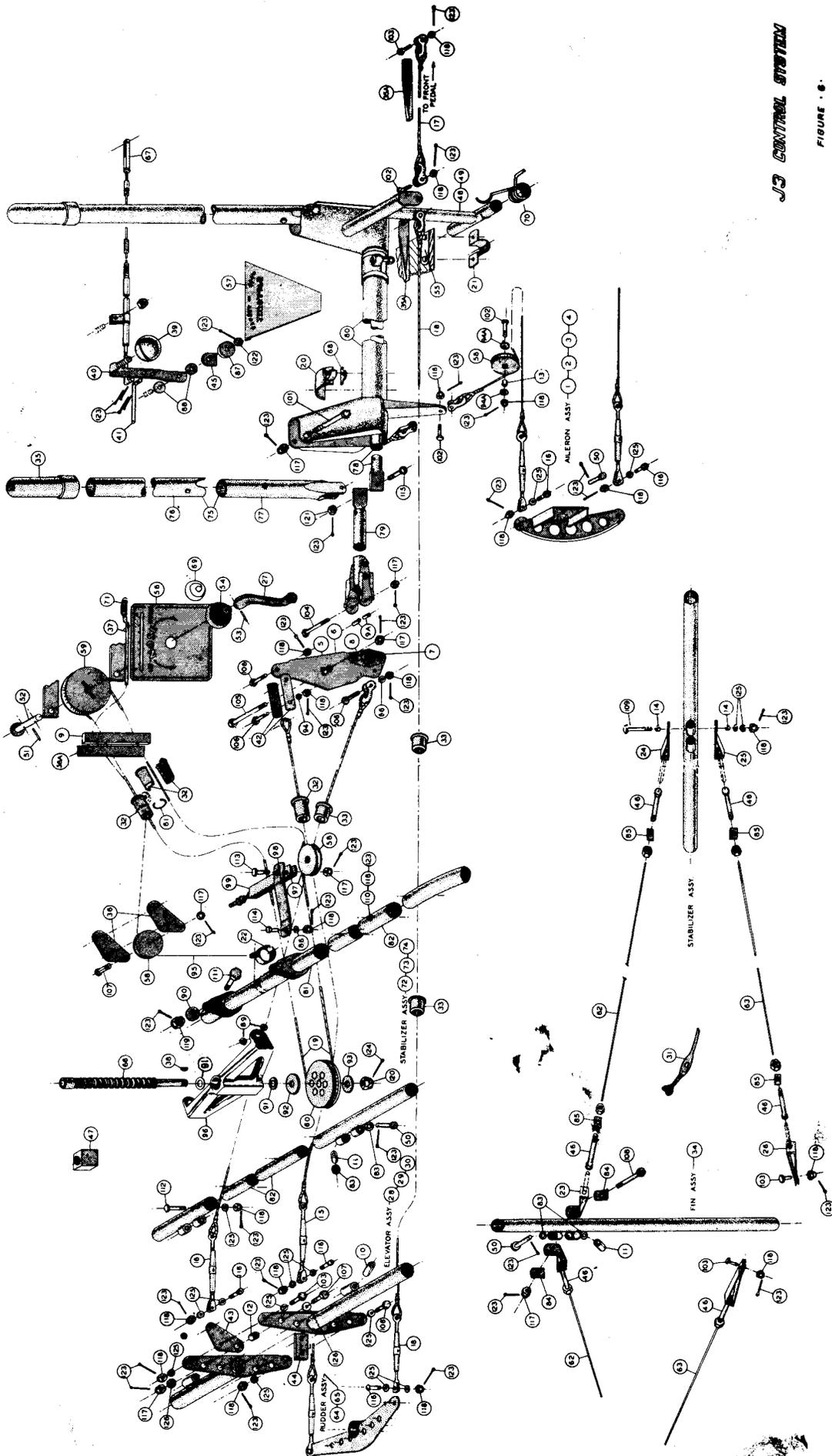


Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
CHASSIS ASSEMBLY							
5	1	30721-00	CLAMP—tailwheel spring (2 leaf)..... NOTE: Used to ship Serial No. 10338.		1		
5	1	30531-00	CLAMP—tailwheel spring (3 leaf)..... NOTE: Used from ship Serial No. 10339.		1		
5	2	31073-00	COVER ASSY.—shock cord (leather).....		2		
		750 245	COVER—landing gear vee.....		2		
5	3	00079-12	GEAR ASSY.—landing (non-brake) left—covered and doped.....		1		
5	4	00079-13	GEAR ASSY.—landing (non-brake) right—covered and doped.....		1		
5	5	00041-51	GEAR ASSY.—landing (non-brake) left—uncovered.....		1		
5	6	00041-52	GEAR ASSY.—landing (non-brake) right—uncovered.....		1		
5	7	80022-26	BUSHING—landing gear.....		4		
5	3	00079-10	GEAR ASSY.—landing (brake type) left—covered and doped.....		1		
5	4	00079-11	GEAR ASSY.—landing (brake type) right—covered and doped.....		1		
5	5	00041-60	GEAR ASSY.—landing (brake type) left—uncovered.....		1		
5	6	00041-61	GEAR ASSY.—landing (brake type) right—uncovered.....		1		
5	7	80022-26	BUSHING—landing gear.....		4		
5	8	00043-94	LINE—brake (31- $\frac{1}{2}$ "')..... NOTE: Used on ships equipped with brakes from Serial No. 1999 to No. 6439, inclusive. This type has the brake lines mounted on the rear landing gear leg.		1		
5	3	21713-00	GEAR ASSY.—landing (brake type) left—covered and doped.....		1		
5	4	31713-01	GEAR ASSY.—landing (brake type) right—covered and doped.....		1		
5	5	30452-00	GEAR ASSY.—landing (brake type) left—uncovered.....		1		
5	6	30452-01	GEAR ASSY.—landing (brake type) right—uncovered.....		1		
5	7	80022-26	BUSHING—landing gear.....		4		
5	8	82332-02	LINE—brake (26- $\frac{1}{2}$ "')..... NOTE: Used on ships equipped with brakes from Serial No. 6440 to Serial No. 8277. This type had the brake lines mounted on the front landing gear legs.		1		
5	3	10032-00	GEAR ASSY.—landing—left—covered and doped.....		1		
5	4	10032-01	GEAR ASSY.—landing—right—covered and doped.....		1		
5	5	10033-00	GEAR ASSY.—landing—left—uncovered.....		1		
5	6	10033-01	GEAR ASSY.—landing—right—uncovered.....		1		
5	7	80022-63	BUSHING—landing gear.....		4		
5	8	10034-00	LINE ASSY.—brake..... NOTE: Above landing gear used on ships equipped with brakes from Serial No. 8278 up. Brake line is on front leg.		2		
5	9	30491-00	NUT—axle.....		2		
5	10	30541-00	PAD—tailwheel clamp bolt.....		1		
5	10A	424 072	PIN—axle nut cotter.....		2		
5	11	81931-00	PLACARD—tire size.....		2		
5		750 250	SET OF LANDING GEAR BOLTS AND NUTS..... NOTE: Used from ship Serial No. 1999 to 8277, incl.		1		
5		750 611	SET OF LANDING GEAR BOLTS AND NUTS..... NOTE: Used from ship Serial No. 8278 up.		1		
5	12	750 515	SHOE—tailskid.....		1		
5	13	30522-00	SPRING—tailwheel—short.....		1		
5	14	30512-03	SPRING—tailwheel—long..... NOTE: Above springs used to Serial No. 10338, inclusive.		1		
5	13	30522 00	SPRING—tailwheel—short.....		1		
5	14	30512 02	SPRING—tailwheel—long.....		1		
5	15	30512 04	SPRING—tailwheel—long..... NOTE: Above springs used on Serial No. 10339 and up.		1		
5	16	81903-02	STEP ASSY.....		1		
5	17	00020-88	STRUT ASSEMBLY—SHOCK (COMPLETE).....		2		
5	18	81232-13	BUMPER—rubber.....		4		
5	19	30462-02	RINGS—shock cord.....		4		
5	20	30562-00	STRUT ASSY.—long.....		2		
5	21	30442-06	STRUT ASSY.—short..... NOTE: Above shock strut assembly used to ship Serial No. 8277, inclusive.		2		
5	17	31423-00	STRUT ASSEMBLY—SHOCK (COMPLETE).....		2		
5	18	81232-13	BUMPER—rubber.....		4		
5	19	31322-00	RINGS—shock cord.....		4		
5	20	31382-00	STRUT ASSY.—long.....		2		
5	21	31392-00	STRUT ASSY.—short..... NOTE: Above shock strut assembly used from ship Serial No. 8278 and up.		2		
			TAILWHEEL ASSEMBLY (J2-A324)..... (Air Associates)		1		
		00015-07	AXLE (includes $\frac{1}{2}$ " nut).....		1		
		750 415	BLOCK CASTING.....		1		
		750 418	BUSHING (bronze).....		1		
		750 419	FITTING—grease (No. 2 zerk).....		1		
		750 414	FORK CASTING.....		1		
		750 330	MAST—rudder.....		1		
		30901-02	CORD—shock.....		2		
		750 421	SPRING—cone.....		4		
		750 416	SPINDLE (with $\frac{3}{8}$ " nut).....		1		
		750 420	TAILWHEEL—with ball bearing.....		1		
		750 413	TIRE—solid (6.00 x 2).....		1		
		750 417	WASHER—thrust (brass).....		1		
			TAILWHEEL ASSEMBLY (CST-12).....		1		
		750 332	BRACKET ASSY.....		1		
		750 331	FORK.....		1		
		750 329	DAMPER ASSY.....		1		
		424 066	PIN—cotter.....		1		
		750 330	ARM ASSY.—rudder.....		1		
		30901-05	CORD—shock.....		2		
		750 327	BUSHING.....		1		
		750 352	HUB ASSY.....		1		
		750 367	AXLE ASSY.....		1		
		750 335	SEAL—grease.....		2		
		750 413	TIRE ASSY. (6.00 x 2)..... NOTE: The component parts of the Air Associate (J2A324) and Scott (CST-12) tailwheels listed above will still be supplied. However, as we are no longer able to obtain the above tailwheels complete, special Assembly 55, Part No. 750 254, will be substituted when a complete tailwheel is desired.		1		
5	22	750 254	SPECIAL ASSY. NO. 55.....		1		
5	23	451 602	TAILWHEEL ASSEMBLY.....		1		
5	24	750 334	ADAPTER.....		1		
5	25	750 635	BRACKET (with bushing).....		1		

Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
CHASSIS ASSEMBLY (Continued)							
5	26	750 636	FORK (with nut)		1		
5	27	750 369	HUB ASSY.		1		
5	28	750 367	AXLE ASSY. (with grease fitting and hub caps)		1		
5	29	750 354	BEARING		2		
4	30	750 363	SPACER		1		
5	31	750 413	TIRE (6.00 x 2)		1		
5	32	750 722	BUSHING—bracket		1		
5	33	750 330	ARM—rudder		1		
5	34	487 255	SPRING—pair connector		1		
5	15	30512-04	LEAF—spring		1		
5	35	400 206	BOLT		1		
5	36	404 103	NUT—castle		1		
5	37	424 051	PIN—cotter		1		
5	38	496 267	TIRE—Cub—8.00 x 4 (2 ply)		2		
5	38	451 722	TIRE—Cub—8.00 x 4 (4 ply)		2		
5	39	451 740	TUBE—Cub—8.00 x 4		2		
5	39	496 269	TUBE—Cub—8.00 x 4—cactus proof		2		
5	40	00020-89	VEE ASSY.—cabane		1		
NOTE: Above cabane vee was used to ship Serial No. 2314 inclusive, also No. 2316, 2332 and 2353.							
5	40	00021-09	VEE ASSY.—cabane		1		
NOTE: Above cabane vee was used from ship Serial No. 2315 to Serial No. 8277, except No. 2316, 2332 and 2353.							
5	40	30602-00	VEE ASSY.—cabane		1		
NOTE: Above cabane vee was used from ship Serial No. 8278 and up.							
5	41	496 230	WHEEL ASSEMBLY (WITHOUT BRAKE DRUM)		2		
5	42	451 762	CAP—hub		2		
5	43	750 063	CONE—bearing		4		
5	44	750 064	CUP—bearing		4		
5	45	750 065	FELT—grease retaining		4		
5	46	750 010	FELT—retainer		8		
5	47	750 026	LOCK—ring—felt retainer		4		
5	48	750 025	LOCK—ring—side ring		2		
5	49	750 012	SCREW—(10-32 x 3/4")		6		
5	50	750 027	CASTING—side ring		2		
5	51	451 760	WHEEL AND BRAKE DRUM ASSEMBLY		2		
5	42	451 762	CAP—hub		2		
5	43	750 063	CONE—bearing		4		
5	44	750 064	CUP—bearing		4		
5	45	750 065	FELT—grease retaining		4		
5	46	750 010	FELT—retainer		8		
5	47	750 026	LOCK RING—felt retainer		4		
5	48	750 025	LOCK RING—side ring		2		
5	52	750 006	ANCHOR PINS		2		
5	49	750 012	SCREW (10-32 x 3/4")		6		
5	50	750 028	CASTING—side ring		2		
NOTE: It is recommended that Service Bulletin No. 54 be installed on airplane Serial No. 1999 to No. 8277 where reinforcement of the tailspring attachment is necessary.							
		750 257	SERVICE BULLETIN NO. 54 KIT		1		
(consists of the following parts plus attaching bolts, nuts and cotter pins)							
		30871-00	Tail spring reinforcement clamp		1		
		30911-00	Tail spring reinforcement spacer		2		
		30882-00	Tail spring reinforcement plate assembly		1		
5	10	30541-00	Tail spring pad		1		

Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
CONTROL ASSEMBLY							
6	1	00078-95	AILERON—covered and doped—left		1		
6	2	00078-96	AILERON—covered and doped—right		1		
6	3	00022-42	AILERON—uncovered—left		1		
6	4	00023-42	AILERON—uncovered—right		1		
NOTE: Above (non-riese) ailerons were used from ship Serial No. 1999 to No. 2624 except Nos. 2598, 2605, 2606, 2609, 2610, 2614, 2619, 2620, 2621, 2622, and up, except 2647 and No. 2860.							
6	1	42592-00	AILERON—covered and doped—left		1		
6	2	42592-01	AILERON—covered and doped—right		1		
6	3	42585-00	AILERON—uncovered—left		1		
6	4	42585-01	AILERON—uncovered—right		1		
NOTE: Above (riese) ailerons were used from ship Serial No. 2598, 2605, 2606, 2609, 2610, 2614, 2619, 2620, 2621, 2622, 2625, and up, except Serial No. 2647 and 2680.							
6	5	40663-04	BELLCRANK ASSEMBLY—ELEVATOR COMPLETE		1		
6	6	40911-00	BELLCRANK—welded assembly		1		
6	7	40931-00	BALL		1		
6	8	40921-00	HOUSING—ball		2		
6	9	40721-00	BLOCK—stabilizer cable guide		1		
6	9A	80012-22	BUSHING—elevator bellcrank ball joint spacer		2		
6	10	80022-44	BUSHING—tail surface—long (bronze)		6		
6	11	80022-45	BUSHING—tail surface—short (bronze)		12		
6	12	80012-17	BUSHING—elevator cable link (upper)		1		
6	13	80012-04	BUSHING—fuselage aileron pulley		2		
6	14	80012-06	BUSHING—stabilizer tie rod clevis		4		
6	15	40123-05	CABLE ASSY.—elevator to lower horn		1		
6	16	40123-06	CABLE ASSY.—elevator to upper horn		1		
6	17	00021-60	CABLE ASSY.—rudder—short		2		
NOTE: Above rudder cable assembly was used from ship Serial No. 1999 to No. 5076 inclusive, except No. 5060; also was used on ship Serial No. 5106.							



J-3 CONTROL SYSTEM

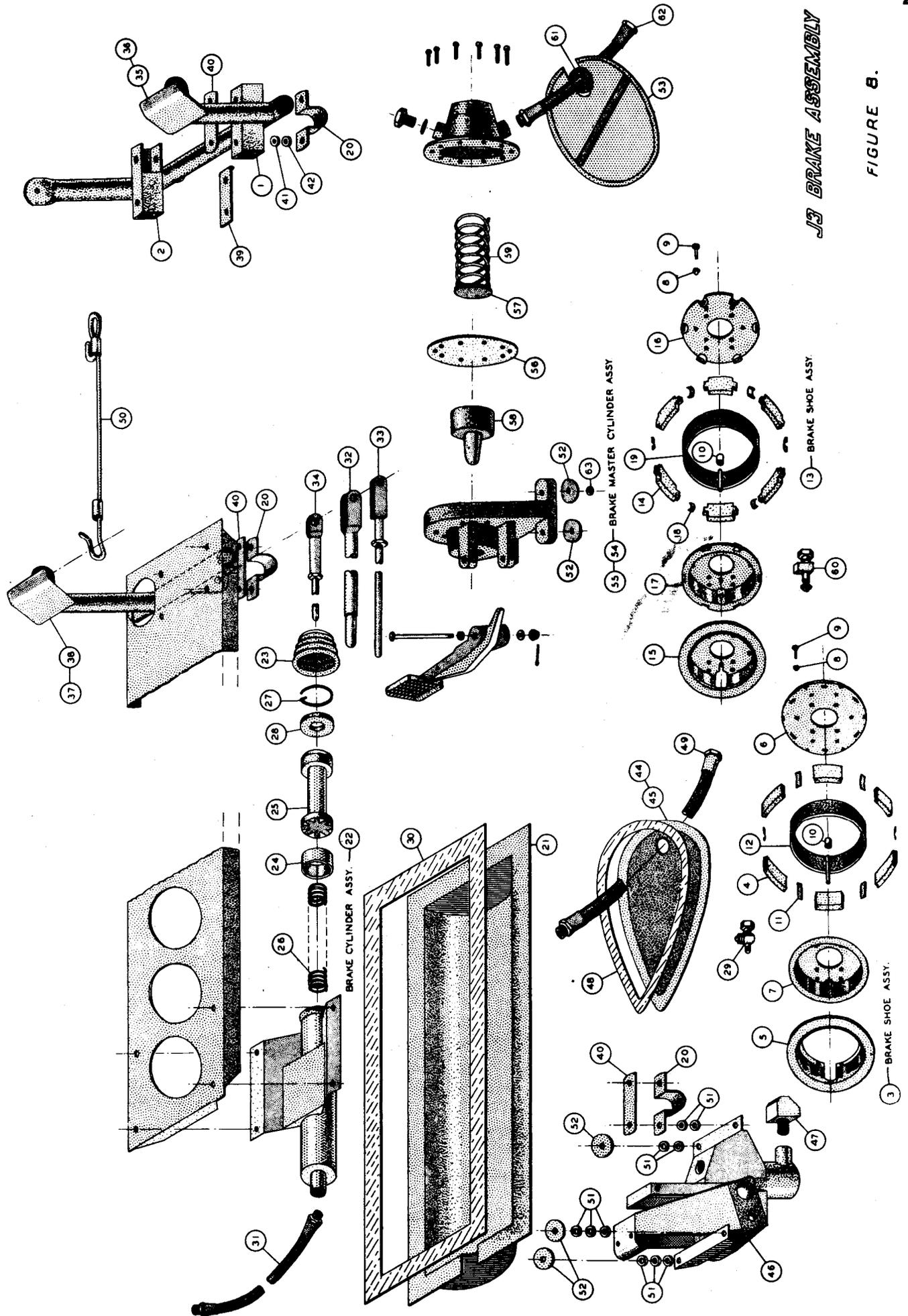
FIGURE - 6

Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
CONTROL ASSEMBLY (Continued)							
6	17	40123-07	CABLE ASSY.—rudder—short NOTE: Above rudder cable assembly was used from ship Serial No. 5077 and up, except No. 5106. It was used also on ship Serial No. 5060.		2		
6	18	40123-02	CABLE ASSY.—rudder—long		2		
6	19	41671-02	CABLE ASSY.—stabilizer adjustment		1		
6	20	21811-03	CAP—torque tube bearing—front and rear		2		
6	21	80222-03	CLAMP—rudder pedal bearing		8		
6	22	80002-15	CLAMP—stabilizer indicator wire attachment		1		
6	23	40521-05	CLEVIS—fin tie rod		2		
6	24	40521-02	CLEVIS—upper stabilizer tie rod		2		
6	25	40521-06	CLEVIS—lower stabilizer tie rod		2		
6	26	40531-00	CLEVIS—fuselage tie rod		2		
		750 236	COVER—aileron—complete		2		
		750 237	COVER—elevator—complete		1		
		750 238	COVER—rudder—complete		2		
		750 241	COVER—stabilizer—complete		1		
6	27	41111-00	CRANK—stabilizer adjustment		1		
6	28	00012-46	ELEVATOR ASSY.—(three hinge) (uncovered—left or right, interchangeable)		2		
6	29	00079-03	ELEVATOR ASSY.—(three hinge) (covered and doped left)		1		
6	30	00079-04	ELEVATOR ASSY.—(three hinge) (covered and doped right) NOTE: Above three hinge elevators used from Serial No. 1999 to No. 4132 inclusive.		1		
6	28	40572-00	ELEVATOR ASSY.—(two hinge) (uncovered)—left or right, interchangeable		2		
6	29	41692-00	ELEVATOR ASSY.—(two hinge) (covered and doped—left)		1		
6	30	41692-01	ELEVATOR ASSY.—(two hinge) (covered and doped—right) NOTE: Above two hinge elevators used from Serial No. 4133 and up.		1		
6	31	60602-00	FAIRING—fin leading edge		1		
6	32	40701-00	FAIRLEAD—cable—long		7		
6	33	40071-00	FAIRLEAD—cable—short		11		
6	34	00022-48	FIN ASSY.—(three hinge) (uncovered) NOTE: Above three hinge fin used from Serial No. 1999 to No. 4132 inclusive.		1		
6	34	40592-00	FIN ASSY.—(two hinge) (uncovered) NOTE: Above two hinge fin used from Serial No. 4133 and up.		1		
6	35	41221-00	GRIP—control stick		2		
6	35A	10788-00	GUARD—rudder cable		1		
6	36	40821-03	HOUSING—stabilizer indicator wire pulley		2		
6	37	41121-00	INDICATOR ASSY.—stabilizer		1		
6	38	41631-00	KEY—stabilizer screw pulley		1		
6	39	41512-02	KNOB—throttle		2		
6	40	41491-00	LEVER—throttle		2		
6	41	41551-00	LINK—throttle lever connector		1		
6	42	81262-09	LINK—elevator cable—upper front		2		
6	43	40821-04	LINK—elevator cable—upper rear		1		
6	44	41271-00	LINK—elevator cable—lower rear		1		
6	45	81172-20	LUG—friction (steel—at throttle assy.)		2		
6	46	41051-00	NIPPLE—tie rod (No. 10-32)		8		
6	47	40751-00	NUT—stabilizer (brass) NOTE: Above nut was used on stabilizer yokes to ship Serial No. 10700.		1		
6	48	40842-04	PEDAL ASSY.—rudder—left		2		
6	49	40842-05	PEDAL ASSY.—rudder—right		2		
6	50	424 224	PINS—aileron hinge AN394-55 NOTE: Above hinge pin used on non-friese wings.		6		
6	50	424 213	PINS—aileron hinge AN394-33 NOTE: Above hinge pin used on friese type wings up to Serial No. 10338 inclusive.		6		
6	50	424 217	PINS—aileron hinge AN394-41 NOTE: Above hinge pin used on Serial No. 10339 and up.		6		
6	50	424 224	PIN—tail surface hinge AN394-55		6		
6	51	81761-04	PIN—crank pulley locking		1		
6	52	41161-00	PIN—stabilizer adjustment crank		1		
6	53	81761-03	PIN—stabilizer adjustment crank locking		1		
6	54	41101-00	PLATE—escutcheon		1		
6	55	81262-08	PLATE—rudder pedal floor		6		
6	56	41131-00	PLATE—stabilizer indicator cover		1		
6	56A	40731-00	PLATE—stabilizer cable guide rub		1		
6	57	41501-00	PLATE—throttle cover		2		
6	58	80421-00	PULLEY—1-3/4"		4		
6	59	41171-00	PULLEY—stabilizer adjustment crank		1		
6	60	43061-00	PULLEY—stabilizer screw		1		
6	61	40081-00	RING—fairlead snap		18		
6	62	41031-02	ROD—tie (upper long 10-32 x 41-3/4")		2		
6	63	41031-03	ROD—tie (lower short 10-32 x 35") NOTE: We are no longer able to supply 8-36 tie rods.		2		
6	64	00022-50	RUDDER ASSY.—(three hinge) (uncovered)		1		
6	65	00079-05	RUDDER ASSY.—(three hinge) (covered and doped) NOTE: Above three hinge rudder used from Serial No. 1999 to No. 4132 inclusive.		1		
6	64	41313-00	RUDDER ASSY.—(two hinge) (uncovered)		1		
6	65	41733-00	RUDDER ASSY.—(two hinge) (covered and doped) NOTE: Above two hinge rudder used from Serial No. 4133 and up.		1		
6	66	42961-00	SCREW—stabilizer adjustment		1		
6	67	41541-00	SHAFT ASSY.—throttle control—flexible		1		
6	68	41371-04	SHIM—torque tube bearing		8		
6	69	41151-00	SPRING—escutcheon		1		
6	70	40941-00	SPRING—rudder pedal		4		
6	71	81971-00	SPRING—stabilizer indicator NOTE: Above spring used to Serial No. 9101.		1		
6	71	42891-00	SPRING—stabilizer indicator NOTE: Above spring used from Serial No. 13982 on.		1		
6	72	00022-52	STABILIZER ASSY.—(three hinge) (uncovered—left or right—interchangeable)		2		
6	73	00079-06	STABILIZER ASSY.—(three hinge) (covered and doped left)		1		
6	74	00079-07	STABILIZER ASSY.—(three hinge) (covered and doped right) NOTE: Above three hinge stabilizers used from Serial No. 1999 to No. 2739, inclusive, also Nos. 2742, 2743, 2745, and 2746 (3/4" leading edge).		1		
6	72	00044-06	STABILIZER ASSY.—(three hinge) (uncovered—left or right—interchangeable)		2		
6	73	00079-08	STABILIZER ASSY.—(three hinge) (covered and doped left)		1		

Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
CONTROL ASSEMBLY (Continued)							
6	74	00079-09	STABILIZER ASSY.—(three hinge) (covered and doped right). NOTE: Above three hinge stabilizers used from Serial Nos. 2740, 2741, 2744, 2746 and up to No. 4132 inclusive, except No. 2758. (1" leading edge.)		1		
6	72	40643-00	STABILIZER ASSY.—(two hinge) (uncovered left or right—interchangeable).		2		
6	73	41652-00	STABILIZER ASSY.—(two hinge) (covered and doped—left)		1		
6	74	41652-01	STABILIZER ASSY.—(two hinge) (covered and doped—right). NOTE: Above two hinge stabilizer used from Serial No. 4133 and up. (1" leading edge.)		1		
6	75	42812-00	STICK ASSY.—control—front and rear.		2		
6	76	40231-00	STICK—control.		2		
6	77	42792-00	STUB—control stick.		2		
6	78	40261-00	TUBE ASSY.—control stick connector.		1		
6	79	40901-02	TUBE ASSY.—elevator bellcrank push-pull.		1		
6	80	40223-00	TUBE ASSY.—torque.		1		
6	81	00021-51	TUBE—stabilizer yoke link.		1		
6	82	00022-89	TUBE—stabilizer yoke link liner. NOTE: Above link liner tubes used from Serial No. 1999 to No. 2739, inclusive, also Nos. 2743, 2745, and 2758 and on stabilizers that had 3/4" leading edge.		1		
6	81	00044-07	TUBE—stabilizer yoke link.		1		
6	82	80132-11	TUBE—stabilizer yoke link liner. NOTE: Above link and liner tubes used from Serial Nos. 2740, 2741, 2744, 2746 and up to No. 4132, inclusive, except 2758. This type was used with stabilizers that had 1" leading edge.		1		
6	81	40771-00	TUBE—stabilizer yoke link.		1		
6	82	80132-11	TUBE—stabilizer yoke link liner. NOTE: Above link and liner tubes used from Serial No. 4133 and up. This type was used with stabilizer that had a 1" leading edge.		1		
6	81	43122-00	TUBE—stabilizer yoke link.		1		
6	82	80132-10	TUBE—stabilizer rear liner.		1		
6	83	80122-16	WASHER—clevis pin.		18		
6	84	40131-00	WASHER—fin tie rod clevis.		2		
6	85	81102-02	WASHER—square tie rod clevis.		8		
6	86	80122-07	WASHER—stabilizer idler yoke link attachment at electric bellcrank cable attachment.		2		
6	87	41512-03	WASHER—throttle steel cup.		2		
6	88	81342-20	WASHER—throttle vellumoid friction.		4		
6	89	81342-08	WASHER—stabilizer link attachment.		4		
6	90	80122-24	WASHER—stabilizer link attachment.		2		
6	91	85012-12	WASHER—stabilizer screw pulley.		2		
6	92	81342-05	WASHER—stabilizer screw pulley.		1		
6	93	80122-41	WASHER—stabilizer screw pulley.		1		
6	94	81342-19	WASHER—(elevator bellcrank upper link to cable).		1		
6	94A	81342-42	WASHER—fuselage aileron pulley.		4		
6	95	42664-03	WIRE—indicator stabilizer. NOTE: Henceforth, we will supply only a new type of cast aluminum stabilizer yoke (part No. 42692-00). In order to make the conversion on the following ship numbers, a new link assembly (43122-00) and stabilizer adjustment screw (42961-00) are needed. No. 1999 to 2739, inclusive, also Nos. 2742, 2743, 2745, and 2746. On ship Nos. 2740, 2741, 2744, 2747 and up to 4132, inclusive, a new link assembly (40771-00) and stabilizer adjustment screw (42961-00) are needed. On all other ships, the stabilizer adjustment screw (42961-00) is the only part needed to make the conversion.		1		
6	96	42692-00	YOKE—stabilizer (cast aluminum).		1		
6	97	42664-06	YOKE ASSY.—stabilizer idler complete.		1		
6	98	81322-03	LINK—stabilizer idler yoke.		1		
6	58	80421-00	PULLEY—1-3/4"		1		
6	99	40651-00	YOKE ASSY.—stabilizer adjustment idler.		1		
6	101	750 239	COMPLETE SET CONTROL ASSY. NUTS AND BOLTS.		2		
6	102	400 115	Aircraft bolt AN4-22.		4		
6	103	400 054	Aircraft bolt AN3-7.		5		
6	104	400 052	Aircraft bolt AN3-5.		3		
6	105	400 108	Aircraft bolt AN4-14.		1		
6	106	400 118	Aircraft bolt AN4-25.		4		
6	107	400 053	Aircraft bolt AN3-6.		1		
6	108	400 103	Aircraft bolt AN4-6.		1		
6	109	400 110	Aircraft bolt AN4-15.		1		
6	110	400 060	Aircraft bolt AN3-15.		2		
6	111	400 058	Aircraft bolt AN3-13.		2		
6	112	400 154	Aircraft bolt AN5-7.		2		
6	113	400 057	Aircraft bolt AN3-12.		2		
6	114	400 104	Aircraft bolt AN4-7.		1		
6	115	400 051	Aircraft bolt AN3-4.		1		
6	116	400 700	Clevis bolt AN24-13.		2		
6	50	424 224	Clevis bolt AN23-12.		8		
6	50	424 217	Clevis pin AN394-55.		6		
6	117	404 101	Clevis pin AN394-41.		6		
6	118	404 100	Castle nut AN310-4.		9		
6	119	404 102	Castle nut AN310-3.		28		
6	120	404 103	Castle nut AN310-5.		2		
6	121	404 393	Castle nut AN310-6.		1		
6	122	404 394	Shear nut AN320-4.		2		
6	123	424 051	Shear nut AN320-5.		1		
6	124	424 059	Cotter pin AN380-2-2.		60		
6	125	407 564	Cotter pin AN380-3-3.		1		
6	126	407 365	Aircraft washer AN960-10.		21		
6	94	81342-19	Aircraft washer AN960-416.		2		
6	86	80122-07	Aircraft washer.		1		
6	91	85012-12	Aircraft washer.		2		
6	92	81342-05	Aircraft washer.		2		
6	93	80122-41	Aircraft washer.		1		
6	89	81342-08	Aircraft washer.		1		
6	90	80122-24	Aircraft washer.		4		
6	83	80122-16	Aircraft washer.		2		
6	88	81342-20	Aircraft washer.		18		
6	87	41512-03	Aircraft cup washer.		2		
6	84	40131-00	Aircraft washer.		1		
6	85	81102-02	Aircraft washer.		2		
6	94A	81342-42	Aircraft washer.		8		
6					4		

Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
COCKPIT AND ENCLOSURE							
7	1	496 143	ALTIMETER—(black dial) NOTE: Above altimeter used to Serial No. 8277.		1		
7	1	450 610	ALTIMETER—(cream dial) NOTE: Above altimeter used from Serial No. 8278.		1		
7	1	750 629	ALTIMETER—metric reading (export only)		1		
7	2	10663-00	ANGLE ASSY.—baggage compartment lid support—left		1		
7	3	10663-01	ANGLE ASSY.—baggage compartment lid support—right		1		
7	4	51973-00	BAG ASSY.—baggage carrier		1		
7	5	415 311	BELT ASSY.—safety—front—right (Model AE300D)		1		
7	6	415 320	BELT ASSY.—safety—front—left (Model AE300D)		1		
7	7	415 310	BELT ASSY.—safety—rear—right (Model AE300D)		1		
7	8	415 320	BELT ASSY.—safety—rear—left (Model AE300D)		1		
7	9	80012-65	RUSHING—primer pump spacer		1		
7	10	41481-03	CABLE—mixture control (optional equipment)		1		
7	11	41481-00	CABLE—carburetor heat control		1		
7	12	41481-02	CABLE—cabin heat control		1		
7	13	41471-00	CABLE—gas shut-off control		1		
7	14	50982-00	CANVAS ASSY.—front seat back		1		
7	15	50942-00	CANVAS ASSY.—front seat bottom		1		
7	16	51983-00	CANVAS ASSY.—rear seat		1		
7	17	80032-04	CLAMP—instrument panel		3		
7	18	80032-05	CLAMP—primer pump		1		
7	19	80222-06	CLAMP—seat foot attachment		2		
7	20	80222-03	CLAMP—front floorboard attachment		2		
7	21	51953-03	CLIP—wire—rear member belt loop		2		
7	22	450 625	COMPASS		1		
7	23	50061-00	COVER—aileron pulley housing—left		1		
7	24	50061-01	COVER—aileron pulley housing—right NOTE: Above covers used from Serial No. 1999 to 8277, inclusive.		1		
7	23 & 24	50062-00	COVER—aileron pulley housing NOTE: Above covers used from Serial No. 8278 up.		2		
7	25	52852-00	CUSHION—front seat back		1		
7	26	52362-00	CUSHION—front seat bottom		1		
7	27	52792-00	CUSHION—rear seat back		1		
7	28	52782-00	CUSHION—rear seat bottom		1		
7	29	52931-00	FAIRING—cabin front spar housing—left		1		
7	30	52931-01	FAIRING—cabin front spar housing—right		1		
7	31	10071-02	FLOOR—baggage bag (wood)		1		
7	32	50652-00	FLOORBOARD—front		1		
7	33	10135-00	FLOORBOARD—rear		1		
7	34	51013-02	FRAME ASSY.—front seat		1		
7	35	496 159	GAUGE—oil pressure		1		
7	36	496 160	GAUGE—oil temperature NOTE: Above gauges used to Serial No. 8277.		1		
7	35 & 36	450 601	GAUGE—oil temperature and oil pressure NOTE: Above gauge used from Serial No. 8278 up.		1		
7	35 & 36	750 627	GAUGE—oil temperature and oil pressure—metric reading		1		
7	37	41621-00	GUARD—throttle shaft housing (fabric (aluminum))		1		
7	38	496 139	INDICATOR—airspeed (black dial) NOTE: Above airspeed indicator used to Serial No. 8277.		1		
7	38	450 605	INDICATOR—airspeed (cream dial) NOTE: Above airspeed indicator used from Serial No. 8278 up.		1		
7	38	750 633	INDICATOR—airspeed—metric reading (export only)		1		
7	39	10037-00	LID ASSY.—baggage compartment		1		
7	40	80002-42	LINK—safety belt connector		2		
7	41	81262-08	LINK—front floorboard attachment		2		
7	42	50381-02	MEMBER—rear seat front		1		
7	43	52371-00	MEMBER—rear seat rear cross		1		
7	44	50641-00	PAD—crash, front seat back		1		
7	45	85172-00	PANEL—ignition switch mounting		1		
7	46	00024-94	PANEL—instrument NOTE: Above panel used to Serial No. 8277.		1		
7	46	54703-00	PANEL—instrument NOTE: Above panel used from Serial No. 8278 up.		1		
7	47	85411-00	PLACARD—serial (name and date)		1		
7	48	51101-00	PLATE—cabin heater attachment NOTE: Above plate used to Serial No. 14729.		1		
7	48	71071-00	PLATE—cabin heater attachment NOTE: Above plate used from Serial No. 14730 up.		1		
7	49	451 100	PRIMER PUMP—Lunkenheimer		1		
7	50	51953-02	REINFORCEMENT—aluminum (rear seat canvas)		2		
7	51	21601-00	SCREW—sliding window set		1		
7	52	496 099	SHAFT AND HOUSING—tachometer (31" long) NOTE: Above shaft used to Serial No. 8277.		1		
7	52	486 565	SHAFT AND HOUSING—tachometer (34" long) NOTE: Above shaft used from Serial No. 8278 up.		1		
7	53	52841-00	STRIP—fuselage door weather (leatherette)		1		
7	54	496 012	SWITCH—ignition (Type A*) *—For above switch see note at end of this section.		2		
7	55	496 257	SWITCH—ignition (single)		1		
7	55	487 774	SWITCH—ignition (dual)		1		
7	56	496 163	TACHOMETER NOTE: Used to Serial No. 8277.		1		
7	56	450 640	TACHOMETER NOTE: Used from Serial No. 8278 up.		1		
7	57	80122-10	WASHER—rear floorboard attachment		2		
7	58	50881-00	WELL—carburetor heat NOTE: Used to Serial No. 10338.		1		
7	58	53411-00	WELL—carburetor heat NOTE: Used from Serial No. 10339 up.		1		
7	59	00025-93	WELL—ignition switch and gas shut-off (Type A*) *—For above well see note at end of this section.		1		
7	60	50611-00	WELL—gas shut-off		1		
7	61	51991-00	YOKE ASSY.—safety belt long		2		
7	62	51021-00	YOKE ASSY.—safety belt short		2		
7	63	10009-00	WINDSHIELD (one piece Plexiglass) NOTE: This windshield was used from Serial No. 13854 and up and will replace pycralin three-piece windshields. The following kit is required for this conversion in addition to the windshield:		1		
		750 634	KIT—windshield		1		

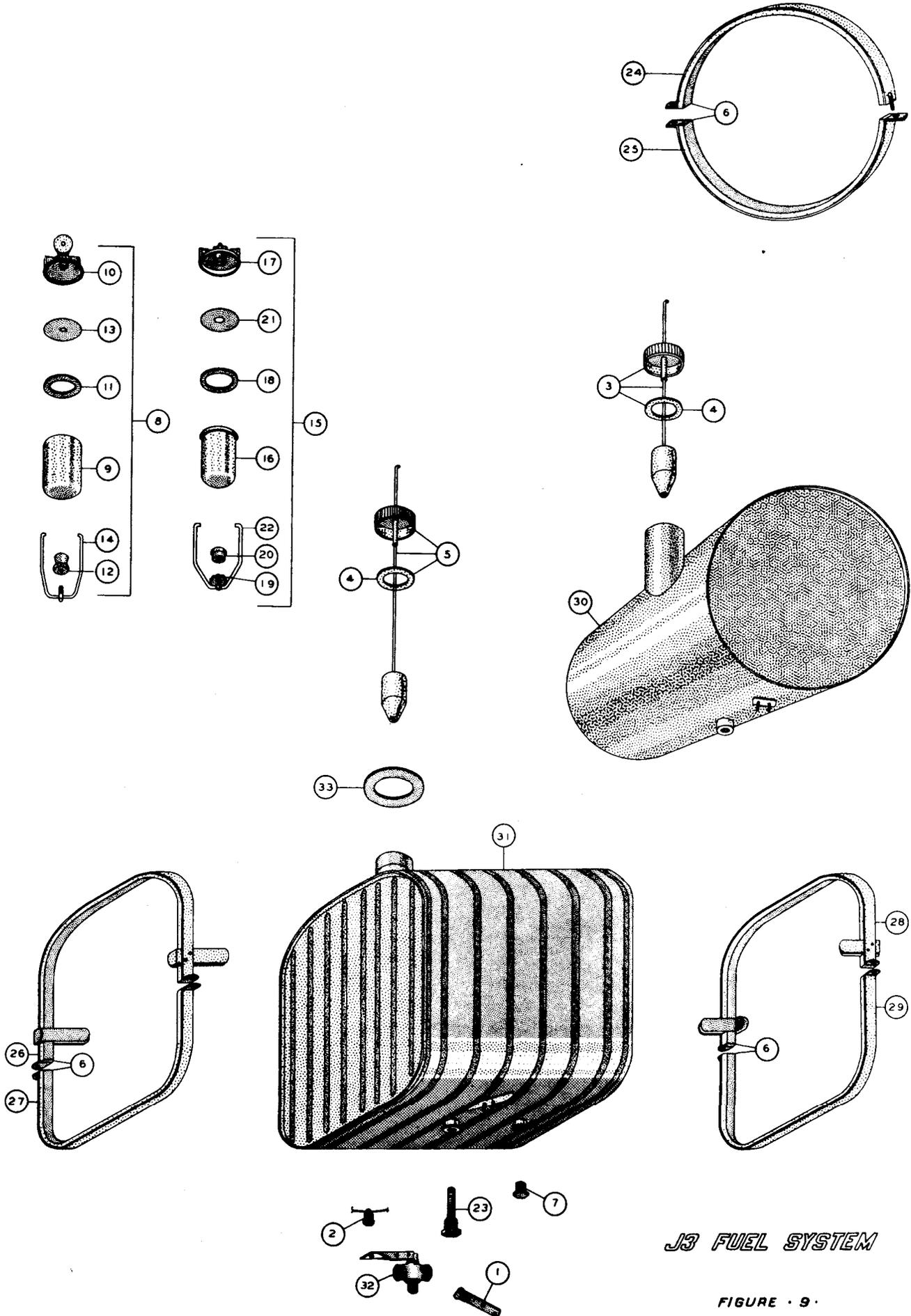
Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
COCKPIT AND ENCLOSURE (Continued)							
NOTE: The following enclosure parts were used to and including Serial No. 9101.							
		00025-84	BINDER—windshield side—left		1		
		51071-00	BINDER—windshield side—right		1		
		50071-00	BRACKET—enclosure door hold-up		1		
		50991-00	BRACKET—windshield angle		6		
		00026-53	CHANNEL—cabin airspeed line cover 3/4"		1		
		00056-80	CHANNEL—cabin airspeed line cover 1"		1		
		00025-09	COVER—leading edge center section		2		
		00056-02	COVER—topdeck front center		1		
		50271-00	COVER—wing butt fitting—front		1		
		50281-00	COVER—wing butt fitting—rear		1		
		50083-00	DOOR ASSY.—enclosure complete		1		
		51853-00	FRAME ASSY.		1		
		50083-09	WINDOW—pyralin		1		
		51071-00	WEATHERSTRIP—enclosure door		1		
		50761-00	WINDOW—sliding		1		
		50741-00	WINDOW—front left		1		
		50751-00	WINDOW—rear left		1		
		52942-00	WINDOW—fuselage rear		2		
		51141-00	WINDOW—topdeck		1		
NOTE: The following enclosure parts were used from Serial No. 14291 to 15640, inclusive:							
7	64	50301-00	COVER—inside channel		2		
7	65	60803-00	COVER—leading edge center section—left		1		
7	66	60803-01	COVER—leading edge center section—right		1		
7	67	60761-00	COVER—topdeck front center		1		
7	68	60892-00	COVER—wing butt fitting—front		1		
7	69	60882-00	COVER—wing butt fitting—rear		1		
		53944-00	DOOR ASSY.—enclosure		1		
		53723-00	WINDOW—center				
		53733-00	WINDOW—front				
		53712-00	WINDOW—rear				
		53922-17	TRIMSTRIP—windshield—left		1		
		54132-00	TRIMSTRIP—windshield—right		1		
		53993-00	WINDOW—front left		1		
		50761-00	WINDOW—sliding		1		
		53982-00	WINDOW—rear left		1		
		52942-00	WINDOW—fuselage rear		2		
7	83	10056-00	WINDOW—topdeck		1		
NOTE: The following enclosure parts were used from Serial No. 15640 and up:							
7	64	50301-00	COVER—inside channel		2		
7	65	60803-00	COVER—center section leading edge—left		1		
7	66	60803-01	COVER—center section leading edge—right		1		
7	67	60761-00	COVER—topdeck front center		1		
7	68	60892-00	COVER—wing butt fitting—front		1		
7	69	60882-00	COVER—wing butt fitting—rear		1		
7	70	10050-00	DOOR ASSY.—enclosure		1		
7	71	10051-00	WINDOW				
7	72	10044-00	TRIMSTRIP—window—left		1		
7	73	10048-00	TRIMSTRIP—window—right		1		
7	74	10043-00	TRIMSTRIP—windshield—left		1		
7	75	53882-00	TRIMSTRIP—windshield—right		1		
7	76	54581-00	TRIMSTRIP—topdeck rear		1		
7	77	81342-45	WASHER—window attaching		4		
7	78	10380-00	WEATHERSTRIP—enclosure door top		1		
7	79	10041-00	WINDOW—front left		1		
7	80	50761-00	WINDOW—sliding		1		
7	81	10046-00	WINDOW—rear left		1		
7	82	10047-00	WINDOW—rear right		1		
7	83	10056-00	WINDOW—topdeck		1		
NOTE: Type A parts were used on ship Serial No. 1999 and up to Serial No. 6247, inclusive, and Serial Nos. 6249, 6250, 6255, 6256, 6265, 6272, 6274, 6275, 6278, 6284, 6287, 6290, 6291, 6292, 6295, 6296, 6297, 6305 and 6321. The above ships had the ignition switch in the fuel shut-off well on the left side of the cockpit and had the carburetor heat control mounted on the instrument panel. All ships thereafter had the ignition switch mounted on top of the cockpit and had the carburetor heat control on the right side of the cockpit.							
BRAKE INSTALLATION							
HAYES, AIR ASSOCIATES AND STEVENS PLUNGER BRAKE UNITS							
8	1	41521-00	BLOCK—brake pedal—outer	Ship Serial No. 1999 to 6440	2		
8	2	41531-00	BLOCK—brake pedal—inner		2		
8	3	496 229	BRAKE SHOE ASSEMBLY		2		
8	4	750 032	BLOCK—brake		12		
8	5	750 034	FAIRING—inner		2		
8	6	750 040	FLANGE—brake frame		2		
8	7	750 038	FRAME—brake		2		
8	8	750 015	NUT—elastic stop (10-32)		2		
8	9	750 005	SCREW—fillister head (10-32 x 3/4")		2		
8	10	750 011	SPACER—nozzle		2		
8	11	750 007	SPRING—retracting		12		
8	12	750 030	TUBE ASSY.—rubber		2		
NOTE: Above brake shoe was used on ships equipped with brakes from ship Serial No. 1999 to 4411, inclusive.							
8	13	451 702	BRAKE SHOE ASSEMBLY	2			
8	14	750 033	BLOCK—brake	12			
8	15	750 035	FAIRING—inner	2			
8	16	750 041	FLANGE—brake frame	2			
8	17	750 039	FRAME—brake	2			
8	8	750 015	NUT—elastic stop (10-32)	2			
8	9	750 005	SCREW—fillister head (10-32 x 3/4")	2			
8	10	750 011	SPACER—nozzle	2			
8	18	750 029	SPRING—retracting	12			
8	19	750 031	TUBE ASSY.—rubber	2			
NOTE: Above brake was used on ships equipped with brakes from ship Serial No. 4412 and up.							
8	20	80222-03	CLAMP—brake pedal bearing	8			
8	21	00057-67	COVER—brake cylinder	2			



J3 BRAKE ASSEMBLY

FIGURE 8.

Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
BRAKE INSTALLATION (Continued)							
HAYES, AIR ASSOCIATES AND STEVENS PLUNGER BRAKE UNITS—Continued							
8	22	496 231	CYLINDER—BRAKE (STEVENS PLUNGER)		2		
8	23	750 048	BOOT—rubber and clip		2		
8	24	750 044	CUP—forward		2		
8	25	750 045	PISTON		2		
8	26	750 043	SPRING—compression		2		
8	27	750 047	SPRING—locking		2		
8	28	750 046	WASHER		2		
NOTE: Above Stevens plunger cylinder replaces Hayes and Air Associates master cylinders.							
8	29	451 770	FITTING—brake bleeder		2		
8	30	00059-63	GROMMET—brake cover		2		
		750 459	KIT—brake conversion (less brake cylinders)		1		
NOTE: Above kit is for conversion from all types of brake master cylinders to Scott cylinders.							
8	31	496 271	LINE—flexible brake		2		
8	32	00043-92	ROD—brake plunger (Hayes)		2		
8	33	750 051	ROD—brake plunger (Air Associates)		2		
8	34	750 049	ROD—brake plunger (Stevens)		2		
8	35	41602-02	PEDAL—front brake—left		1		
8	36	41602-03	PEDAL—front brake—right		1		
8	37	00043-95	PEDAL—rear brake—left		1		
8	38	00043-96	PEDAL—rear brake—right		1		
8	39	41561-00	PLATE—brake pedal stop		1		
8	40	81262-08	PLATE—brake pedal bearing		8		
8	41	85012-04	WASHER—front rudder attachment		As Req'd		
8	42	85012-05	WASHER—front rudder attachment		As Req'd		
STEVENS UNIT TYPE BRAKE CYLINDERS							
8	1	41521-00	BLOCK—brake pedal—outer	Ship Serial No. 6440 to 10338 inclusive	2		
8	2	41531-00	BLOCK—brake pedal—inner		2		
8	13	451 702	BRAKE SHOE ASSY.		2		
NOTE: For component parts see previous brake installation.							
8	20	80222-03	CLAMP—brake pedal bearing		4		
8	44	60582-00	COVER—brake cylinder—left		1		
8	45	60583-01	COVER—brake cylinder—right		1		
8	46	00045-55	CYLINDER—brake master (Stevens unit)		2		
8	47	460 663	ELBOW—45° street		2		
8	29	451 770	FITTING—brake bleeder		2		
8	48	00059-63	GROMMET—brake cover		2		
		750 459	KIT—brake conversion (less brake cylinders)		1		
NOTE: Above kit is for conversion from all types of brake master cylinders to Scott cylinders.							
8	49	71061-02	LINE—flexible brake		1		
8	35	41602-02	PEDAL—brake—left		1		
8	36	41602-03	PEDAL—brake—right		1		
8	39	41561-00	PLATE—brake pedal stop		1		
8	40	81262-08	PLATE—brake pedal and cylinder bearing		6		
8	50	41581-04	ROD—brake pedal tie		2		
8	41	85012-04	WASHER—front pedal attachment		As Req'd		
8	42	85012-05	WASHER—front pedal attachment		As Req'd		
8	51	80122-08	WASHER—brake cylinder attachment		20		
8	52	80122-11	WASHER—brake cylinder attachment		6		
SCOTT UNIT TYPE BRAKE CYLINDERS							
8	1	41521-00	BLOCK—brake pedal—outer	Ship Serial No. 10339 and up	2		
8	2	41531-00	BLOCK—brake pedal—inner		2		
8	13	451 702	BRAKE SHOE ASSY.		2		
NOTE: For component parts see the first brake installation.							
8	53	23831-00	COVER—master cylinder inspection		2		
8	20	80222-03	CLAMP—brake pedal bearing		4		
8	54	451 700	CYLINDER—brake master—left (Scott unit)		1		
8	55	451 701	CYLINDER—brake master—right (Scott unit)		1		
8	56	750 384	DIAPHRAGM		2		
8	57	750 385	PAD—diaphragm		2		
8	58	750 295	PISTON		2		
8	59	750 386	SPRING		2		
8	29	451 770	FITTING ASSY.—brake bleeder		2		
NOTE: Above fitting was used to ship Serial No. 16587.							
8	60	451 771	FITTING ASSY.—brake bleeder		2		
NOTE: Above fitting was used from ship Serial No. 16588 and up.							
8	61	AN931-8-13	GROMMET—master cylinder inspection cover		2		
8	62	71061-03	LINE—flexible brake		2		
NOTE: Above line used to ship Serial No. 16587.							
8	62	71061-04	LINE—flexible brake		2		
NOTE: Above line used from ship Serial No. 16588 and up.							
8	35	41602-02	PEDAL—brake left		1		
8	36	41602-03	PEDAL—brake right		1		
8	39	41561-00	PLATE—brake pedal stop		1		
8	40	81262-08	PLATE—brake pedal bearing		4		
8	50	41581-04	ROD—brake pedal tie		2		
8	41	85012-04	WASHER—front pedal attachment		As Req'd		
8	42	85012-05	WASHER—front pedal attachment		As Req'd		
8	63	80122-07	WASHER—master cylinder attachment		2		
8	52	80122-11	WASHER—master cylinder attachment		6		



J3 FUEL SYSTEM

FIGURE · 9 ·

Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
			FUEL SYSTEM				
			9 Gallon fuel tank assembly used on 40 h.p. engines only.				
			12 Gallon fuel tank assembly used on all engines from 50 h.p. up.				
9	1	70771-00	CLAMP—gas shut-off control cable.		1		
9	2	70371-00	FITTING—fuel shut-off swivel.		1		
9	3	75721-00	GAUGE AND CAP ASSY.—fuel tank (9 gallon assy.)		1		
9	4	81342-26	GASKET—fuel cap.		1		
9	5	71041-00	GAUGE AND CAP ASSY.—fuel tank (12 gallon assy.)		1		
9	4	81342-26	GASKET—fuel cap.		1		
9	6	180 510	PADDING—gas tank strap felt 10"		1		
9	7	70151-00	PLUG—fuel tank drain.		1		
9	8	496 250	STRAINER—FUEL—TILLOTSON		1		
9	9	750 262	BOWL—fuel strainer.		1		
9	10	750 266	COVER—fuel strainer.		1		
9	11	750 261	GASKET—fuel strainer.		1		
9	12	750 267	SEAT AND NUT—fuel strainer bowl.		1		
9	13	750 263	SCREEN—fuel strainer.		1		
9	14	750 264	WIRE ASSY.—fuel strainer.		1		
9	15	72302-00	STRAINER—FUEL—KEM		1		
9	16	455 625	BOWL—fuel strainer.		1		
9	17	750 271	COVER—fuel strainer.		1		
9	18	85012-32	GASKET—fuel strainer.		1		
9	19	72312-03	NUT—fuel strainer bowl seat.		1		
9	20	750 273	SEAT—fuel strainer bowl.		1		
9	21	750 272	SCREEN—fuel strainer.		1		
9	22	750 268	WIRE ASSY.—bail.		1		
9	23	72091-00	STRAINER—fuel tank finger (12 gallon assy.)		1		
9	24	00013-66	STRAP ASSY.—fuel tank (male) (9 gallon assy.)		2		
9	25	00013-67	STRAP ASSY.—fuel tank (female) (9 gallon assy.)		2		
9	26	70462-00	*STRAP ASSY.—fuel tank front—upper (12 gallon assy.)		1		
9	27	70451-03	*STRAP ASSY.—fuel tank front—lower (12 gallon assy.)		1		
9	28	70472-00	*STRAP ASSY.—fuel tank rear—upper (12 gallon assy.)		1		
9	29	70451-02	*STRAP ASSY.—fuel tank rear—lower (12 gallon assy.)		1		
9	30	00023-42	TANK ASSY.—fuel (9 gallon assy.)		1		
9	31	70723-00	TANK ASSY.—fuel (12 gallon assy.)		1		
9	32	70781-00	VALVE ASSY.—fuel shut-off.		1		
9	33	80122-48	WASHER—fuel tank neck—rubber (12 gallon assy.)		1		
			← Sold only in pairs.				
			INSTALLATION PARTS FOR NAVIGATION LIGHTS				
			Parts listed below are for installation without generator, Part No. 750 651.				
		450 015	BATTERY—Reading, 6 volt.		1		
		85373-00	BOX ASSY.—battery.		1		
		82062-00	COVER—battery box.		1		
		455 170	COVER—fuse block.		1		
		750 647	FUSE—25 amp.		3		
		82191-00	GUIDE—battery cable.		1		
		434 136	GROMMET—battery cable guide.		1		
		419 753	SCREW—Parker stove head type "A"		2		
		82252-02	HOSE—drain (safety wired to pipe)		1		
		417 777	SCREW—machine round head 10-32		4		
		80122-10	WASHER.		2		
		405 312	NUT.		4		
		85291-00	SWITCH—navigation light.		1		
		750 644	BLOCK—terminal.		1		
		750 645	LUG—wire terminal mounting.		2		
		750 646	POST—fuse extractor.		2		
		750 316	FUSE—5 amp.		2		
		85361-00	PLACARD—switch.		1		
		415 739	SCREW—machine (switch to panel).		2		
		406 678	NUT—stop.		2		
		496 180	LIGHT—Grimes navigation left, red.		1		
		496 181	LIGHT—Grimes navigation right, green.		1		
		405 099	NUT—light to bracket.		4		
		407 102	WASHER—lock.		4		
		496 178	LIGHT—Grimes navigation tail, clear.		1		
		400 057	BOLT—tail light to bracket.		1		
		404 100	NUT—castle.		1		
		424 051	PIN—cotter.		1		
		84572-06	WIRE ASSY.—at switch.		1		
		84572-05	WIRE ASSY.—at switch.		2		
		85321-00	WIRE ASSY.—switch to battery, or to master switch if used with generator.		1		
			To make the installation with generator, add the following parts. Part number for complete installation 750 653:				
		496 123	GENERATOR.		1		
		82451-00	BRACKET—mounting.		2		
		750 652	CONDENSER—5 mfd.		1		
		85302-00	CABLE—switch to battery.		1		
		85312-00	CABLE—switch to generator.		1		
		85263-00	BOX—master and generator switch.		1		
		82291-00	PLACARD.		1		
		419 753	SCREW—Parker No. 6 x 3/4"		6		
			FLOAT INSTALLATION PARTS & RIB REPAIR KIT				
			SET ELEVATOR BUNGEE INSTALLATION PARTS (USED WITH FLOATS ONLY)				
		40123-08	CABLE—bungee.		1		
		80371-00	CLAMP.		1		
		80421-00	PULLEY.		1		
		81381-00	BRACKET—pulley.		1		
		81411-00	SPRING.		1		
		80352-00	DRAWING—Installation.		1		
		42462-00	PEDAL ASSY.—rudder—for seaplane (rear only) left.		1		
		42462-01	PEDAL ASSY.—rudder—for seaplane (rear only) right.		1		
		750 454	RIB REPAIR KIT—J3.				
		750 286	Ft. cap strip material.		12		
		750 287	Ft. diagonal rib bracing .020.		12		
		00031-24	Rib cap strip repair strip.		5		
		12629-05	Front spar angle brace—rear.		4		
		12692-06	Rear spar angle brace—front.		3		
		12692-07	Rear spar angle brace—rear.		3		
		16621-00	Nose rib repair section.		3		
		421 022	Lb. No. 2 SO. aluminum rivets—1/4" x 3/4"		3		

Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
POWER PLANT							
NOTE: Ships from Serial No. 2355 and up equipped with 40 H. P. engines are eligible for a 50 to 65 H. P. engine installation. When such a conversion is made, a twelve (12) gallon fuel tank must be installed in place of the nine (9) gallon tank (which was original equipment installed.)							
40 H.P. CONTINENTAL ENGINE INSTALLATION (LESS ENGINE)							
	496	286	ADAPTER—oil pressure line		1		
	496	325	ADAPTER—oil temperature		1		
	725	092	AIRSCOOP ASSY.—Van type		1		
	00023-55		BRACKET—Fuel strainer elbow		1		
	00024-45		BRACKET—Nose cowl—left		1		
	00024-44		BRACKET—Nose cowl—right		1		
	80002-10		CLAMP— $\frac{3}{4}$ " motor mount fuel strainer		1		
	70801-00		CLAMP—Throttle		1		
	454	888	CLIP—cowling		13		
	00025-82		CONNECTOR—Case to cowl—7"		1		
	00025-83		CONNECTOR—Case to cowl—7- $\frac{1}{4}$ "		1		
	450	653	CONNECTOR—Inverted male (tank fuel line at shut-off valve)		1		
	460	653	CONNECTOR—Inverted male (tank fuel line at fuel strainer)		1		
	00024-42		COWL ASSY.—engine top		1		
	00024-43		COWL ASSY.—engine—bottom		1		
	00016-05		CUP—aircoop		1		
	496	302	ELBOW—inverted female (tank fuel line at fuel strainer)		1		
	496	097	ELBOW—inverted male (fuel strainer fuel line at carburetor)		1		
	460	661	ELBOW—Street (fuel shut-off to tank)		1		
	434	134	GROMMET—rubber— $\frac{3}{4}$ "		2		
	434	138	GROMMET—rubber— $\frac{3}{4}$ "		3		
	00015-40		HEATER ASSEMBLY—CARBURETOR AIR		1		
	00024-82		SCOOP—carburetor heater air		1		
	101	980	TUBE—(flexible 2- $\frac{1}{4}$ " x 12- $\frac{3}{4}$ ")		1		
	00015-41		STOVE ASSY.—carburetor heater (at stacks)		1		
	468	340	JET—primer straight—with nut and ferrule—in cylinder wall		2		
	496	278	LINE—flexible—8- $\frac{1}{2}$ "		1		
	496	275	LINE—flexible primer— $\frac{3}{4}$ " x 5"		1		
	496	279	LINE—flexible oil pressure $\frac{3}{4}$ " x 5"		1		
	00023-42		LINE—fuel—copper— $\frac{3}{4}$ " x 22"		1		
	82332-10		LINE—oil pressure— $\frac{1}{4}$ " x 42"		1		
	71061-00		LINE—oil pressure—flexible ($\frac{3}{4}$ " x 5- $\frac{1}{4}$ ")		1		
	00066-70		LINE—primer inlet— $\frac{1}{4}$ " x 32"		1		
	00023-61		LINE—primer outlet—flared— $\frac{3}{4}$ " x 29"		1		
	00066-68		LINE—primer—left bank—flared $\frac{3}{4}$ " x 30"		1		
	00067-03		LINE—primer—right bank—flared $\frac{3}{4}$ " x 20"		1		
	00008-16		MOUNT ASSY.—Continental 40 H. P. engine		1		
	460	656	NIPPLE—close $\frac{1}{4}$ " (fuel shut-off to tank)		1		
	460	665	NUT—inverted— $\frac{3}{4}$ " (three at primer tee and one at fuel strainer end of primer inlet line)		4		
	496	283	NUT—inverted— $\frac{1}{4}$ "		1		
	496	198	PROPELLER—Sensenich—design 69-C23		1		
	81342-23		RUBBER cowl support		5		
	00006-11		STACK—exhaust—left		2		
	00006-13		STACK—exhaust—right		2		
	496	250	STRAINER—fuel (for fuel strainer parts refer to fuel system list)		1		
	496	305	TEE—primer (at bank lines and primer outlet line junction)		1		
	488	324	TERMINAL—ignition wire		1		
	101	980	TUBE—flexible 2- $\frac{1}{4}$ " x 14"		1		
	496	326	WASHER—copper asbestos		1		
	494	005	WASHER—felt—tachometer		1		
	80122-43		WASHER—fiber		4		
	81342-37		WASHER—thermoid		4		
50 H.P. CONTINENTAL BAYONET EXHAUST STACK ENGINE INSTALL. (LESS ENGINE)							
	00062-79		AIRSCOOP—carburetor		1		
	496	286	ADAPTER—oil pressure		1		
	496	325	ADAPTER—oil temperature		1		
	00062-10		BAFFLE ASSY.—engine—left		1		
	00062-11		BAFFLE ASSY.—engine—right		1		
	00061-83		BRACKET ASSY.—cylinder baffle		2		
	00061-85		CLAMP ASSY.—mixture control		1		
	454	881	CLAMP— $\frac{3}{4}$ " hose (for $\frac{3}{4}$ " hose)		8		
	496	338	CLAMP—1- $\frac{1}{4}$ " hose (for 1" hose)		2		
	454	888	CLIP—cowling		13		
	460	653	CONNECTOR—inverted male (fuel strainer to fuel line)		1		
	00078-72		COWL ASSY.—engine—top		1		
	00078-78		COWL ASSY.—engine—bottom		1		
	496	302	ELBOW—inverted female (tank fuel line at fuel strainer)		1		
	460	661	ELBOW—Street (fuel shut-off to tank)		1		
	460	661	ELBOW—Street (fuel strainer fuel line at carburetor)		1		
	00061-81		HANGER ASSY.—oil tank		2		
	00067-27		HOSE—rubber— $\frac{3}{4}$ " x 6- $\frac{1}{2}$ "		1		
	00067-28		HOSE—rubber—1" x 2'- $\frac{1}{2}$ "		1		
	00067-29		HOSE—rubber— $\frac{1}{2}$ " x 2'- $\frac{1}{4}$ "		1		
	468	340	JET—primer—straight—with nut and ferrule (in intake manifold)		3		
	70322-16		LINE—flexible—6- $\frac{3}{4}$ "		1		
	70322-14		LINE—flexible—19- $\frac{1}{2}$ "		1		
	496	279	LINE—flexible—primer intake $\frac{3}{4}$ " x 5"		1		
	00066-54		LINE—oil tank to engine (copper) $\frac{3}{4}$ " x 3"		1		
	00066-70		LINE—primer intake (copper) $\frac{1}{4}$ " x 32"		1		
	00069-97		LINE—primer outlet (copper) $\frac{1}{4}$ " x 46"		1		
	82332-10		LINE—oil pressure (copper) $\frac{1}{4}$ " x 42" Type B		1		
	71061-00		LINE—oil pressure—flexible		1		
	00066-53		LINER—oil line tube (brass) $\frac{3}{4}$ "		1		
	00041-60		MOUNT ASSY.—engine		1		
	460	656	NIPPLE— $\frac{1}{4}$ " close (fuel shut-off to tank)		1		
	496	283	NUT—inverted $\frac{1}{4}$ " (primer inlet line to fuel strainer short primer flexible line)		1		
	496	220	PROPELLER—Sensenich—des. 76B-47 single		1		
	496	221	Or design 76B-49 dual		1		
	00062-02		STACK—exhaust bayonet—left		1		
	00061-91		STACK—exhaust bayonet—right		1		
	00061-80		STRAP ASSY.—oil tank		2		
	496	250	STRAINER—fuel (for fuel strainer parts refer to fuel system list)		1		

Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
POWER PLANT (Continued)							
50 H.P. CONT. BAYONET EXHAUST STACK ENGINE INSTALLATION (LESS ENGINE) (Continued)							
		00061-78	TANK—oil		1		
		101 980	TUBE—flexible—2-1/4" x 18"		1		
		00066-64	TUBING—breather line 1/2" x 26" (aluminum)		1		
		00067-02	TUBING—breather line 1/2" x 16" (aluminum)		1		
		496 326	WASHER—copper asbestos		1		
		81342-37	WASHER—thermoid		4		
50 H.P. CONTINENTAL UP EXHAUST WET SUMP ENGINE INSTALLATION (LESS ENGINE)							
		00063-10	AIRSCOOP—carburetor		1		
		00062-10	BAFFLE ASSY.—cylinder—left		1		
		00062-11	BAFFLE ASSY.—cylinder—right		1		
		00063-52	BRACE—exhaust collector—left		1		
		00063-53	BRACE—exhaust collector—right		1		
		00063-03	BRACKET ASSY.—cabin heater control		1		
		00062-95	BRACKET ASSY.—carburetor heat control		1		
		00063-04	BRACKET ASSY.—fuel strainer mounting		1		
		00063-00	BRACKET—nose cowl—left		1		
		72581-00	BRACKET—nose cowl—right		1		
		72571-00	BUSHING—rubber motor mount (Piper)		8		
		750 466	CLAMP ASSY.—cylinder baffle bracket		2		
		00061-83	CLAMP ASSY.—engine mount throttle		1		
		70801-00	CLAMP—fuel strainer elbow		1		
		00023-53	CLAMP—hose—3/8"		2		
		454 881	CLAMP—mixture control		1		
		00061-85	CLIP—cowling		13		
		454 888	COLLECTOR ASSY.—exhaust—left		1		
		00063-55	COLLECTOR ASSY.—exhaust—right		1		
		00063-56	CONNECTOR—inverted male (fuel line at fuel strainer)		1		
		460 653	COWL ASSY.—engine—top (give complete description)		1		
			COWL ASSY.—engine—bottom (give complete description)		1		
		00063-54	ELBOW ASSY.—cabin heater		1		
		496 302	ELBOW ASSY.—inverted female (tank fuel line at fuel strainer)		1		
		750 430	ELBOW—Inverted male (fuel strainer fuel line at carburetor)		1		
		750 431	ELBOW—Street—fuel shut-off at tank		1		
		70551-02	GASKET—carburetor air-scoop		1		
		434 134	GROMMET—rubber—3/8"		3		
		434 138	GROMMET—rubber—3/8"		3		
		434 142	GROMMET—rubber—3/8"		1		
		72393-02	HOSE—breather line—3/8" x 3-1/2"		1		
		00063-00	INLET ASSY.—cabin heater		1		
		468 340	JET—primer—straight (with nut and ferrule)		1		
		496 278	LINE—flexible fuel—8-1/2"		1		
		70322-14	LINE—flexible fuel—19-1/2"		1		
		496 279	LINE—flexible oil pressure—3/8" x 5"		1		
		496 279	LINE—flexible primer—3/8" x 5"		1		
		82332-10	LINE—oil pressure—copper—1/4" x 42"—Type B		1		
		71061-00	LINE—oil pressure—flexible		1		
		71242-06	LINE—primer intake—copper—3/8" x 35"		1		
		00069-97	LINE—primer outlet—copper—3/8" x 46"		1		
		00031-91	MOUNT ASSY.—engine		1		
		460 656	NIPPLE—close 1/4" (fuel shut-off to tank)		1		
		460 665	NUT—Inverted—(primer inlet line to fuel strainer short) (flexible primer line)		1		
		74071-00	PLACARD—shroud		2		
		496 220	PROPELLER—Sensenich—design 76B47 (single)		1		
		496 221	76B49 (dual)		1		
		00063-58	SHROUD ASSY.—left exhaust		1		
		00081-28	SHROUD ASSY.—right exhaust		1		
		496 250	STRAINER—fuel (for strainer parts refer to fuel system list)		1		
		488 324	TERMINAL—ignition wire		1		
		84332-00	TUBE—breather line—aluminum—3/8" x 17-1/2"		1		
			TUBING—flexible—2-1/4" x 6-1/2"		1		
			TUBING—flexible—2-1/4" x 3/4"		1		
		496 326	WASHER—copper asbestos (oil temperature line)		1		
		494 005	WASHER—felt tachometer		1		
50 H.P. CONTINENTAL UP EXHAUST DRY SUMP ENGINE INSTALLATION (LESS ENGINE)							
		81342-23	WASHER—rubber—cowl support		7		
		460 651	ADAPTER—oil pressure line		1		
		496 325	ADAPTER—oil temperature		1		
		00063-10	AIRSCOOP—carburetor		1		
		00062-10	BAFFLE ASSY.—engine—left		1		
		00062-11	BAFFLE ASSY.—engine—right		1		
		00067-73	BRACE—fuel strainer bracket		1		
		00062-24	BRACKET ASSY.—carburetor heater control		1		
		00061-83	BRACKET ASSY.—cylinder baffle		2		
		00066-48	BRACKET—fuel strainer—engine		1		
		00062-01	BRACKET—nose cowl—left		1		
		00062-13	BRACKET—nose cowl—right		1		
		00061-85	CLAMP ASSY.—mixture control		1		
		00062-33	CLAMP—exhaust stack—left		1		
		00062-55	CLAMP—exhaust stack—right		1		
		00023-53	CLAMP—fuel strainer elbow bracket		1		
		454 881	CLAMP—hose—3/8" (for 1/2" hose)		8		
		496 338	CLAMP—hose—1-3/8" (for 1" hose)		2		
		70801-00	CLAMP—motor mount throttle		1		
		454 888	CLIP—cowling		13		
		00063-55	COLLECTOR—exhaust—left		1		
		00063-56	COLLECTOR—exhaust—right		1		
		460 653	CONNECTOR—inverted male (strainer fuel line at strainer)		1		
			COWL ASSY.—engine—bottom (give complete description)		1		
			COWL ASSY.—engine—top (give complete description)		1		
		00016-46	DOOR—cabin heat control sliding		1		
		496 302	ELBOW—Inverted female (tank fuel line at fuel strainer)		1		
		460 661	ELBOW—Street (fuel shut-off to tank)		1		
		460 661	ELBOW—Street (fuel strainer gas line at carburetor)		1		
		70551-02	GASKET—carburetor heater scoop		1		
		434 134	GROMMET—rubber—3/8"		5		
		434 138	GROMMET—rubber—3/8"		5		
		00061-81	HANGER ASSY.—oil tank		2		
		00067-27	HOSE—rubber—3/4" x 6-1/2"		1		
		00067-28	HOSE—rubber—1" x 2"		1		
		00067-29	HOSE—rubber—1/2" x 2-1/4"		3		

Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
POWER PLANT (Continued)							
50 H.P. CONT. UP EXHAUST DRY SUMP ENG. INSTALLATION (LESS ENGINE) (Continued)							
		00062-31	INLET ASSY.—cabin heater		1		
		468 340	JET—primer—straight type and ferrule (in intake manifold)		1		
		70332-16	LINE—flexible fuel—6-3/4" long		1		
		70322-14	LINE—flexible fuel—19-1/2"		1		
		82332-10	LINE—oil pressure—copper—1/4" x 42"—Type B		1		
		71061-00	LINE—oil pressure—flexible		1		
		00066-54	LINE—oil—tank to engine—copper—5/8" x 3"		1		
		496 279	LINE—primer intake—flexible—1/4" x 5"		1		
		00069-97	LINE—primer outlet—copper—1/8" x 46"		1		
		00066-53	LINE—oil line tube—brass—3/4"		1		
		00066-70	LINE—primer intake—copper—3/4" x 32"		1		
		00031-60	MOUNT ASSY.—engine		1		
		460 656	NIPPLE—close 1/4" (fuel shut-off to tank)		1		
		496 283	NUT—inverted—1/4" (primer inlet line to fuel strainer short primer flexible line)		1		
		74071-00	PLACARD—shroud		2		
		496 220	PROPELLER—Sensenich design 76B-47 (single)		1		
		496 221	Design 76B-49 (dual)		8		
		81342-23	RUBBER—cowl support		1		
		00063-58	SHROUD—exhaust—left		1		
		00081-28	SHROUD—exhaust—right		1		
		496 250	STRAINER—fuel (for fuel strainer parts refer to fuel system list)		1		
		00061-80	STRAP ASSY.—oil tank		2		
		00066-81	STRAP—cowling bracket—rear left		1		
		00066 82	STRAP—cowling bracket—rear right		1		
		00061-78	TANK—oil		1		
		488 324	TERMINAL—ignition wire		1		
		00066 64	TUBING—aluminum—1/2" x 26-1/2" (breather line)		1		
		496 326	WASHER—copper asbestos		1		
		494 005	WASHER—felt tachometer		4		
		80122-43	WASHER—fiber		4		
		81342-37	WASHER—thermoid motor mount		4		
50 & 55 H.P. CONTINENTAL DOWN EXHAUST ENGINE INSTALLATION (LESS ENGINE)							
		00063-89	AIRSCOOP—carburetor		1		
		496 325	ADAPTER—oil temperature		4		
		00063 68	ATTACHMENT—stack port		1		
		70873-02	BAFFLE—cylinder—left		1		
		70873 03	BAFFLE—cylinder—right		1		
		00073-36	BRACE—exhaust collector—left		1		
		00073 37	BRACE—exhaust collector—right		1		
		70211 00	BRACKET ASSY.—cabin heater control		1		
		00062-95	BRACKET—carburetor heat control		1		
		00061-83	BRACKET ASSY.—Cylinder baffle		2		
		72581 00	BRACKET—Nose cowl—left		1		
		72571-00	BRACKET—nose cowl—right		1		
		725 071	BUSHING—motor—cone shaped		8		
		70541-00	CLAMP—breather line		1		
		70801-00	CLAMP ASSY.—engine mount throttle		1		
		80002-22	CLAMP—exhaust collector brace		2		
		00068-81	CLAMP—fuel strainer elbow		1		
		454 881	CLAMP—hose—1"		2		
		80002-09	CLAMP—plain—3/8"		1		
		00023-63	CLAMP—plain—3/4"		1		
		70591 03	CLAMP—stack port attachment		4		
		454 888	CLIP—cowling		13		
		00064-81	CLIP—shroud		2		
		00078-83	COWL ASSY.—engine bottom		1		
		00078-77	COWL ASSY.—engine top		1		
		00063-54	ELBOW ASSY.—cabin heater		1		
		496 097	ELBOW—inverted male (tank fuel line at fuel strainer)		1		
		496 097	ELBOW—inverted male (fuel strainer fuel line at carburetor)		1		
		496 314	ELBOW—street—1/8" (connecting flexible primer intake line to fuel strainer)		1		
		460 661	ELBOW—street (fuel line at fuel strainer)		1		
		460 661	ELBOW—street (shut-off to tank)		1		
		70551-02	GASKET—carburetor heater scoop		1		
		434 134	GROMMET—rubber—3/8"		3		
		434 138	GROMMET—rubber—3/8"		5		
		434 142	GROMMET—rubber—7/8"		1		
		72383 02	HOSE—breather line (3/8" x 3-1/2" rubber)		1		
		00063-00	INLET ASSY.—cabin heater		1		
		468 340	JET—primer—straight (with nut and ferrule)		1		
		70332-02	LINE—flexible fuel—15"		1		
		70322-14	LINE—flexible fuel—19-1/2"		1		
		496 279	LINE—flexible oil pressure—1/8" x 5"		1		
		496 279	LINE—flexible primer—1/8" x 5"		1		
		82332-10	LINE—oil pressure—copper—1/4" x 42"—Type B		1		
		71061-00	LINE—oil pressure—flexible		1		
		71242-06	LINE—primer intake—copper—1/8" x 35"		1		
		00069-97	LINE—primer outlet—copper—1/8" x 46"		1		
		71163-00	MOUNT—engine		1		
		460 656	NIPPLE—close 1/4" (fuel shut-off to tank)		1		
		460 665	NUT—inverted—1/8" (primer intake line at fuel strainer)		1		
		74071-00	PLACARD—shroud		2		
		51101-00	PLATE—cabin heater inlet trim		1		
		496 221	PROPELLER—Sensenich—design 76B-49 50 H.P. dual		1		
		496 213	Design 72C-44, 65 H.P.		1		
		00064-00	SHROUD—exhaust—left		1		
		00064-01	SHROUD—exhaust—right		1		
		00063-67	STACK—exhaust—left		1		
		00063-65	STACK—exhaust—right		1		
		72302-00	STRAINER—fuel (for fuel strainer parts refer to fuel system list)		1		
		488 324	TERMINAL—ignition wire		1		
		84332-00	TUBE—breather—aluminum—5/8" x 17-1/2"		1		
			TUBE—flexible—1-1/4" x 19"		1		
			TUBE—flexible—2-1/4" x 19"		1		
			TUBE—flexible—2-1/4" x 6-1/2" (shroud to cabin heater)		1		
			TUBE—flexible—2-1/4" x 10-3/4" (shroud to carburetor heater)		1		

Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
POWER PLANT (Continued)							
50 & 55 H.P. CONTINENTAL DOWN EXHAUST ENGINE INSTALL. (LESS ENGINE) (Continued)							
		00063-32	TUBE—fuel strainer brace		1		
		496 326	WASHER—copper asbestos		1		
		81342-23	WASHER—cowl support—rubber		7		
		494 005	WASHER—felt tachometer		1		
		80122-43	WASHER—fiber		4		
CONTINENTAL 65 H. P. ENGINE INSTALLATION MUFFLER TYPE (LESS ENGINE)							
10	1	496 325	ADAPTER—oil temperature line		1		
10	2	70873-02	BAFFLE—engine—left		1		
10	3	70873-03	BAFFLE—engine—right		1		
10	4	70232-00	BOX ASSY.—cabin heater NOTE: Above cabin heater box assembly used to Serial No. 14729.		1		
10	4	70422-00	BOX ASSY.—cabin heater and ventilator. NOTE: Above cabin heater and ventilator box assembly used from Serial No. 14730 up.		1		
10	5	70581-00	BRACE—exhaust tailpipe		1		
10	6	71991-00	BACKET—fuel strainer hanger		2		
10	7	72201-00	BRACKET—engine baffle		1		
10	8	72651-00	BRACKET—nose cowl—left		1		
10	9	72571-00	BRACKET—nose cowl—right		1		
10	10	725 071	BUSHING—engine mount rubber		8		
10	11	71141-00	CAP AND GAUGE ASSY.—oil sump (cont. No. A3657)		1		
10	12	70521-00	CLAMP—cabin heat control cable		1		
10	13	80032-34	CLAMP—carburetor heat control cable		1		
10	14	70801-00	CLAMP—engine mount throttle control		2		
10	15	70591-02	CLAMP—muffler stack connecting		1		
10	16	80002-22	CLAMP—tailpipe brace		1		
10	17	72941-00	CLAMP—engine breather line		2		
10	18	454 881	CLAMP—breather line hose		1		
10	19	80222-03	CLAMP—fuel strainer attachment		2		
10	20	454 888	CLIP—cowling		12		
10	21	460 653	CONNECTOR—male		1		
10	22	460 651	CONNECTOR—inverted male		1		
10	23	73951-00	COVER ASSY.—engine cowl air intake		1		
10	24	72543-00	COWL ASSY.—engine top		1		
10	25	72473-00	COWL ASSY.—engine bottom NOTE: Above bottom cowl used to Serial No. 10338.		1		
10	25	74613-00	COWL ASSY.—engine bottom NOTE: Above bottom cowl used from Serial No. 10339 up.		1		
10	26	460 659	ELBOW—inverted 45°		2		
10	27	460 661	ELBOW—street		2		
10	28	72911-00	ELBOW—carburetor heat take-off		1		
10	29	74311-00	HOSE—engine breather line—flexible		1		
10	30	468 340	JET—primer (straight type)		1		
10	31	70322-02	LINE—flexible fuel 15'		1		
10	32	72432-00	LINE—fuel tank to strainer 3/4" x 11-3/4" copper		1		
10	33	82332-10	LINE—oil pressure (1/4" x 42") NOTE: Above oil pressure line used up to ship Serial No. 8277, inclusive.		1		
10	33	82332-14	LINE—oil pressure (1/4" x 27-3/4") NOTE: Above oil pressure line used on ship Serial No. 8278 and up.		1		
10	34	71061-00	LINE—oil pressure flexible (1/4" x 5-1/4")		1		
10	35	71242-06	LINE—primer inlet (3/8" x 34-1/4")		1		
10	36	71242-07	LINE—primer outlet (1/4" x 48")		1		
10	37	71163-00	MOUNT—engine		1		
10	38	70893-03	MUFFLER ASSEMBLY—COMPLETE		1		
10	39	72691-00	CLAMP—tailpipe		1		
10	40	71053-02	MUFFLER ASSY.		1		
10	41	74071-00	PLACARD—tailpipe shroud		1		
10	42	70963-00	SHROUD—muffler		1		
10	43	71261-00	SLIDE—clip		1		
10	44	70912-00	SHROUD—tailpipe		1		
10	45	74501-00	TAILPIPE—muffler		1		
10	46	460 656	NIPPLE—close		1		
10	47	460 665	NUT—inverted		1		
10	48	450 900	PROPELLER—Sensenich—Design 72C42		1		
10	49	81342-36	RUBBER—cowl support		8		
10	50	70442-02	SCOOP ASSY.—cabin heater and ventilator		1		
10	51	70562-00	SCOOP ASSY.—carburetor air		1		
10	52	70551-03	GASKET—carburetor aircscoop NOTE: Above carburetor aircscoop assembly was used to Serial No. 10338. From Serial No. 10339 to 15394, Cont. Aircscoop EQ5259 was used. From Serial No. 15395 and up Cont. Aircscoop EQ5370 was used.		1		
10	53	71082-00	STACK—exhaust—left		1		
10	54	70671-00	STACK—exhaust—right		1		
10	55	72302-00	STRAINER—fuel (for fuel strainer parts refer to fuel system list)		1		
10	56	71113-00	SUMP—oil		1		
10	57	84332-00	TUBE—breather crank case		1		
10	58		TUBE—flexible 2-3/8" x 6" (muffler shroud to cabin inlet box)		1		
10	59		TUBE—flexible 2-3/8" x 20" (muffler shroud to cowl intake)		1		
10	60		TUBE—flexible 2-3/8" x 21" (muffler shroud to cowl intake)		1		
10	61		TUBE—flexible 2-3/8" x 7-1/2" (tailpipe shroud to carburetor aircscoop)		1		
10	62	80122-43	WASHER—black fiber 3/4" I. D. x 1-1/2" O. D. (engine to mount)		8		
10	63	496 326	WASHER—copper asbestos		1		
10	64	85012-11	WASHER—steel (1-1/2" O. D. x 7.16" I. D. x .093)		4		
10	65	81342-22	WASHER—fiber		4		
10	66	81342-18	WASHER—carburetor heat wire attachment and baffle att.		5		
10	67	494 005	WASHER—felt tachometer		1		

FIGURE 10

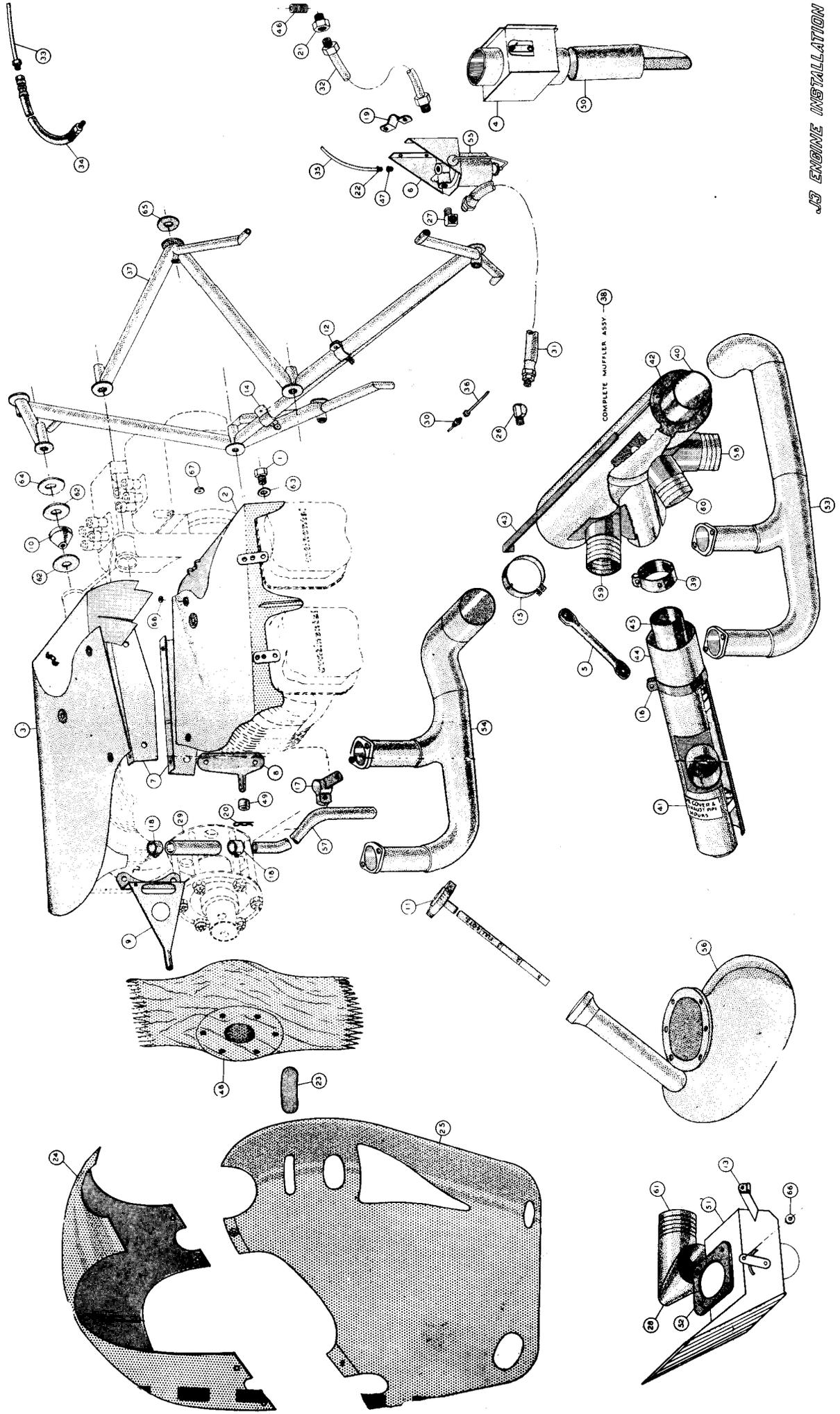


Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
POWER PLANT (Continued)							
50 H. P. FRANKLIN BAYONET EXHAUST STACK ENGINE INSTALLATION (LESS ENGINE)							
	496	325	ADAPTER—oil temperature.....		1		
	70562-00		AIRSCOOP—carburetor.....		1		
	00066-92		CLAMP—breather line.....		2		
	70801-00		CLAMP ASSY.—engine mount throttle.....		1		
	00063-83		CLAMP ASSY.—fuel strainer support.....		1		
	00023-53		CLAMP—fuel strainer elbow bracket.....		1		
	454	888	CLIP—cowling.....		12		
	496	286	CONNECTOR—inverted male.....		1		
	00079-16		COWL ASSY.—engine bottom.....		1		
	00079-14		COWL ASSY.—engine top.....		1		
	496	302	ELBOW—inverted female (tank fuel line at fuel strainer).....		1		
	496	097	ELBOW—inverted male (fuel strainer fuel line at carburetor).....		1		
	460	661	ELBOW—street (fuel shut-off valve to tank).....		1		
	00072-20		GASKET—exhaust stack flange (aluminum).....		2		
	434	134	GROMMET—firewall—rubber 3/4".....		1		
	434	138	GROMMET—firewall—rubber 3/4".....		1		
	434	142	GROMMET—firewall—rubber 3/4".....		1		
	496	349	JET—primer elbow type (with nut and ferrule at cylinder wall).....		2		
	00069-91		LINE—bank—3/4" x 16".....		1		
	00067-03		LINE—bank—3/4" x 20".....		1		
	496	273	LINE—flexible fuel—7-1/2".....		1		
	70322-02		LINE—flexible fuel—15".....		1		
	496	279	LINE—flexible primer—3/4" x 5".....		1		
	496	279	LINE—oil pressure (3/4" x 5").....		1		
	82332-10		LINE—oil pressure (3/4" x 42")—Type B.....		1		
	71061-00		LINE—oil pressure—flexible.....		1		
	71242-06		LINE—primer inlet (3/4" x 35").....		1		
	00066-68		LINE—primer outlet (3/4" x 30").....		1		
	00031-61		MOUNT—engine.....		1		
	460	656	NIPPLE—close—1/4" (fuel shut-off to tank).....		1		
	460	665	NUT—inverted—3/4" (three at primer tee and one at fuel strainer end of primer line).....		4		
	496	205	PROPELLER—Sensenich—Design 70F47.....		1		
	81342-23		RUBBER—cowl support.....		8		
	00062-03		STACK—bayonet exhaust—with shroud—left.....		1		
	00062-04		STACK—bayonet exhaust—left.....		1		
	00062-05		STACK—bayonet exhaust—right.....		1		
	496	250	STRAINER—fuel (for fuel strainer parts refer to fuel system list).....		1		
	496	308	TEE—primer (at bank line and primer outlet line junction).....		1		
	488	324	TERMINAL—ignition wire.....		1		
	00062-06		TUBE—engine mount stay (removable).....		2		
			TUBING—flexible aluminum 2-3/4" x 18".....		1		
	496	326	WASHER—copper asbestos.....		1		
	494	005	WASHER—felt tachometer.....		1		
	80122-43		WASHER—fiber.....		4		
	81342-37		WASHER—thermoid.....		4		
50 H. P. FRANKLIN INSIDE STACK ENGINE INSTALLATION (LESS ENGINE)							
NOTE: The above engine installation is the same as the Franklin 60 H. P. installation with the exception of the engine.							
	496	325	ADAPTER—oil temperature.....		1		
	70562-00		AIRSCOOP—carburetor.....		1		
	00062-23		BRACKET—cabin heater control.....		1		
	00063-03		BRACKET—carburetor heater control.....		1		
	454	888	CLIP—cowling.....		13		
	00063-00		CLIP—shroud.....		2		
	00066-92		CLAMP—breather line.....		2		
	00023-53		CLAMP—fuel strainer elbow bracket.....		1		
	00063-83		CLAMP ASSY.—fuel strainer support.....		1		
	496	286	CONNECTOR—inverted male.....		1		
	00079-17		COWL ASSY.—engine bottom.....		1		
	00079-15		COWL ASSY.—engine top.....		1		
	496	302	ELBOW—inverted female (tank fuel line at fuel strainer).....		1		
	496	097	ELBOW—inverted male (fuel strainer line at carburetor).....		1		
	460	661	ELBOW—street (fuel shut-off valve to tank).....		1		
	70551-02		GASKET—carburetor heater scoop.....		1		
	00072-20		GASKET—exhaust stack flange (aluminum).....		2		
	434	134	GROMMET—firewall—rubber 3/4".....		2		
	434	138	GROMMET—firewall—rubber 3/4".....		3		
	434	142	GROMMET—firewall—rubber 3/4".....		1		
	496	349	JET—primer—elbow type (with nut and ferrule) at cylinder wall.....		2		
	00067-03		LINE—bank—3/4" x 20"—left.....		1		
	00069-91		LINE—bank—3/4" x 16"—right.....		1		
	496	278	LINE—flexible fuel—8-1/2".....		1		
	70322-02		LINE—flexible fuel—15".....		1		
	496	279	LINE—flexible oil pressure 3/4" x 5".....		1		
	496	279	LINE—flexible primer 3/4" x 5".....		1		
	82332-10		LINE—oil pressure—3/4" x 42"—Type B.....		1		
	71061-00		LINE—oil pressure—flexible.....		1		
	71242-06		LINE—primer inlet 3/4" x 35".....		1		
	00066-68		LINE—primer outlet line to tee 3/4" x 30".....		1		
	00031-61		MOUNT—engine.....		1		
	460	656	NIPPLE—close—1/4" (fuselage shut-off to tank).....		1		
	460	665	NUT—inverted—3/4" (three at primer tee and one at fuel strainer end of primer intake line).....		4		
	74071-00		PLACARD—shroud.....		2		
	51101-00		PLATE—cabin heater.....		1		
	496	205	PROPELLER—Sensenich—Design 70F47.....		1		
	00063-00		REGULATOR ASSY.—cabin heater.....		1		
	81342-23		RUBBER—cowl support.....		8		
	00063-78		SHROUD—exhaust—lower left.....		1		
	00079-51		SHROUD—exhaust—lower right.....		1		
	00063-77		SHROUD—exhaust—upper left.....		1		
	00079-50		SHROUD—exhaust—upper right.....		1		
	00063-34		STACK—exhaust—left.....		1		
	00063-35		STACK—exhaust—right.....		1		
	496	250	STRAINER—fuel (for fuel strainer parts refer to fuel system list).....		1		

Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
POWER PLANT (Continued)							
50 H.P. FRANKLIN INSIDE STACK ENGINE INSTALLATION (LESS ENGINE) (Continued)							
		81262-21	STRAP—connector link		1		
		496 308	TEE—primer (at tank line and primer outlet junction)		1		
		488 324	TERMINAL—ignition wire		1		
		00062-06	TUBE—engine mount stay (removable)		2		
			TUBE—flexible 2-1/4" x 4"		1		
			TUBE—flexible 2-1/4" x 6-1/2"		1		
		496 326	WASHER—copper asbestos		1		
		494 005	WASHER—felt tachometer		1		
		80122-43	WASHER—fiber		4		
		81342-37	WASHER—thermoid		4		
65 H. P. FRANKLIN DUAL IGNITION ENGINE INSTALLATION (LESS ENGINE) (OLD TYPE MUFFLER)							
		70562-00	AIRSCOOP—carburetor	Ship Serial No. 5104 to 5946, inclusive	1		
		496 325	ADAPTER—oil temperature		1		
		00073-32	BRACE—tailpipe		1		
		70211-00	BRACKET—cabin heater control		1		
		00063-03	BRACKET—carburetor heater control		1		
		72951-00	BRACKET—nose cowl—left		1		
		72961-00	BRACKET—nose cowl—right		1		
		70221-00	BRACKET—throttle control on firewall		1		
		70242-00	BOX ASSY.—cabin heater bypass		1		
		725 071	BUSHING—cone-shaped—motor		8		
		00066-92	CLAMP—breather line		2		
		00068-81	CLAMP—elbow bracket		1		
		80032-11	CLAMP—engine mount throttle control		1		
		80002-28	CLAMP—exhaust stack		2		
		70591-02	CLAMP ASSY.—exhaust stack attachment		2		
		00063-83	CLAMP ASSY.—fuel strainer support		1		
		72851-00	CLAMP—oil temperature line (motor)		1		
		72691-00	CLAMP ASSY.—tailpipe attachment		1		
		454 888	CLIP—cowling		13		
		460 651	CONNECTOR—inverted male		1		
		73273-11	COWL ASSY.—engine bottom		1		
		73293-00	COWL ASSY.—engine top		1		
		496 314	ELBOW—inverted male		1		
		70551-02	GASKET—carburetor heater scoop		1		
		496 349	JET—primer—elbow type		2		
		496 279	LINE—flexible primer—1/4" x 5"		1		
		70322-16	LINE—fuel—strainer to carburetor—6-7/8"		1		
		00065-10	LINE ASSY.—fuel shut-off to gas—copper 3/4" x 12-1/2"		1		
		82332-10	LINE ASSY.—oil pressure—1/4" x 42"		1		
		71242-06	LINE—primer inlet—1/4" x 35"		1		
		00067-03	LINE—primer outlet—1/4" x 20"		1		
		71242-06	LINE—primer (tee to left bank) 1/4" x 35"		1		
		00069-91	LINE—primer (tee to right bank) 1/4" x 16"		1		
		71053-03	MUFFLER ASSY.		1		
		74224-00	MOUNT ASSY.—engine		1		
		460 656	NIPPLE—close—1/4" (fuel shut-off to tank)		1		
		460 665	NUT—inverted—1/4"		3		
		70701-00	PIPE—exhaust tail		1		
		74071-00	PLACARD—shroud		1		
		496 215	PROPELLER—Sensenich—Design 72F42		1		
		81342-23	RUBBER—cowling support		7		
		00065-20	SHROUD—muffler and heater stove		1		
		70912-00	SHROUD ASSY.—tailpipe		1		
		71261-00	SLIDE ASSY.—clip		1		
		73083-00	STACK ASSY.—exhaust—left		1		
		73133-00	STACK ASSY.—exhaust—right		1		
		72302-00	STRAINER—fuel (for fuel strainer parts refer to fuel system list)		1		
		496 308	TEE—primer		1		
			TUBE—flexible—2-1/4" x 5" (muffler shroud to cabin air intake)		1		
			TUBE—flexible—2-1/4" x 8" (tailpipe shroud to carburetor intake)		1		
			TUBE—flexible—2-1/4" x 22" (nose cowl air intake to muffler shroud)		1		
		73181-00	TUBE—exhaust stack brace		2		
		496 326	WASHER—copper asbestos		1		
		80122-43	WASHER—fiber		4		
65 H. P. FRANKLIN DUAL IGNITION ENGINE INSTALLATION (LESS ENGINE) (NEW TYPE MUFFLER)							
		70562-00	AIRSCOOP—carburetor	Ship Serial No. 5947 and up	1		
		496 325	ADAPTER—oil temperature		1		
		70232-00	BOX ASSY.—cabin heater control		1		
		73181-00	BRACE—exhaust stack		2		
		70581-00	BRACE—tailpipe		1		
		70211-00	BRACKET—cabin heater control		1		
		72721-00	BRACKET—engine mount throttle control clamp		1		
		71991-00	BRACKET—fuel strainer hanger		1		
		72951-00	BRACKET—nose cowl—left		1		
		72961-00	BRACKET—nose cowl—right		1		
		70221-00	BRACKET—throttle control (on firewall)		1		
		725 071	BUSHING—cone shaped—motor		8		
		00066-92	CLAMP—breather line		3		
		70601-00	CLAMP—carburetor heater control—large		1		
		80002-02	CLAMP—carburetor heater control—small		1		
		80002-28	CLAMP—exhaust stack		2		
		70591-02	CLAMP—exhaust stack attachment		2		
		72851-00	CLAMP—oil temperature line—at motor		1		
		80002-03	CLAMP—throttle control cable		1		
		454 888	CLIP—cowling		13		
		460 651	CONNECTOR—1/4"		1		
		73273-00	COWL ASSY.—engine bottom		1		
		73293-00	COWL ASSY.—engine top		1		
		496 289	ELBOW—inverted male—3/4" x 1/4"		1		
		460 659	ELBOW—inverted—45°—1/4"		1		
		460 661	ELBOW—street—1/4"		2		

Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
POWER PLANT (Continued)							
65 H.P. FRANKLIN, DUAL IGNITION ENGINE INSTALLATION (LESS ENGINE) (NEW TYPE MUFFLER) (Continued)							
		70551-03	GASKET—carburetor heater scoop.....		1		
		496 349	JET—primer—elbow type.....		2		
		72432-00	LINE ASSY.—fuel—copper (shut-off fuel strainer 11- $\frac{3}{8}$ ").....		1		
		70322-10	LINE—fuel (fuel strainer to carburetor) 11- $\frac{3}{8}$ " (flexible).....		1		
		496 279	LINE—flexible primer $\frac{3}{8}$ " x 5- $\frac{1}{4}$ ".....		1		
		496 279	LINE ASSY.—flexible oil pressure— $\frac{3}{8}$ " x 5- $\frac{1}{4}$ "—Type A.....		1		
		00062-19	*LINE ASSY.—oil pressure— $\frac{3}{8}$ " x 35"—Type A.....		1		
		71061-00	LINE ASSY.—flexible oil pressure ($\frac{3}{8}$ " x 5- $\frac{1}{4}$ ")—Type B.....		1		
		82332-16	LINE ASSY.—oil pressure ($\frac{3}{8}$ " x 42")—Type B.....		1		
		71242-06	LINE—primer inlet— $\frac{3}{8}$ " x 34- $\frac{1}{2}$ ".....		1		
		00067-03	LINE—primer outlet— $\frac{3}{8}$ " x 20".....		1		
		71242-06	LINE—primer (tee to left cylinder bank) ($\frac{3}{8}$ " x 34- $\frac{1}{2}$ ").....		1		
		00069-91	LINE—primer (tee to right cylinder bank) ($\frac{3}{8}$ " x 16").....		1		
		74224-00	MOUNT ASSY.—engine.....		1		
		70893-02	MUFFLER ASSEMBLY—COMPLETE		1		
		72691-00	CLAMP ASSY.—exhaust tailpipe to muffler.....		1		
		71053-02	MUFFLER ASSY.....		1		
		74071-00	PLACARD—tailpipe shroud.....		1		
		70912-00	SHROUD ASSY.—exhaust tailpipe.....		1		
		70963-00	SHROUD ASSY.—muffler.....		1		
		71261-00	CLIP—Slide assembly.....		1		
		70701-00	TAILPIPE ASSY.—exhaust.....		1		
		460 656	AN3-14, AN310-3, AN380-2-2 Screw—P. K. No. 6" x $\frac{3}{8}$ ".....		1		
		460 665	NIPPLE—close— $\frac{3}{8}$ ".....		4		
		496 215	NUT—inverted— $\frac{3}{8}$ ".....		1		
		81342-23	PROPELLER—Sensenich—Design 72F42.....		8		
		73083-00	RUBBER—cowling support.....		1		
		73133-00	STACK ASSY.—exhaust—left.....		1		
		72302-00	STACK ASSY.—exhaust—right.....		1		
		496 308	STRAINER—fuel (for fuel strainer parts, refer to fuel system list).....		1		
			TEE—primer lines.....		1		
			TUBE—flexible (tailpipe shroud to carburetor intake) 2- $\frac{1}{8}$ " x 10".....		1		
			TUBE—flexible (muffler shroud to cabin intake) 2- $\frac{1}{8}$ " x 5".....		1		
			TUBE—flexible (nose cowl air intake to muffler shroud) 2- $\frac{1}{8}$ " x 20".....		1		
			TUBE—flexible 2- $\frac{1}{8}$ " x 21".....		1		
		496 326	WASHER—copper asbestos (oil temperature adapter).....		1		
		80122-43	WASHER—fiber.....		4		
			*The above Type B lines will be supplied in place of Part No. 00062-19.				
50 H. P. LYCOMING ENGINE INSTALLATION (DOWN EXHAUST) (LESS ENGINE)							
		496 325	ADAPTER—oil temperature.....		1		
		70562-00	AIRSCOOP—carburetor.....		1		
		00063-03	BRACKET—cabin heater control.....		1		
		74251-00	BRACKET—nose cowl.....		1		
		00066-92	CLAMP—breather line.....		2		
		70591-03	CLAMP—exhaust stack.....		4		
		00063-18	CLAMP—shroud—left.....		2		
		00063-19	CLAMP—shroud—right.....		2		
		00063-26	CLAMP—throttle.....		1		
		454 888	CLIP—cowling.....		12		
		496 286	CONNECTOR—inverted male.....		1		
		00057-82	COWL ASSY.—bottom.....		1		
		00081-80	COWL ASSY.—Top (Type A).....		1		
		00081-81	COWL ASSY.—Top (Type B).....		1		
			NOTE: Lycoming 50 H. P. top cowl type A is used on all ships with Lycoming 50 H. P. engine up to and including Serial No. 4033. This cowl has a large hole near the front, through which both the oil filler hole and the oil gauge can be reached.				
			NOTE: Lycoming 50 H. P. top cowl type B is used on all ships with Lycoming 50 H. P. engine from Serial No. 4034 up. On this cowl the large hole through which the oil filler hole is reached, is moved back 8" and there is a $\frac{3}{8}$ " hole forward for the oil gauge.				
		00063-74	ELBOW ASSY.—cabin heater.....		1		
		496 302	ELBOW—inverted female (tank fuel line at fuel strainer).....		1		
		496 097	ELBOW—inverted male (fuel strainer fuel line at carburetor).....		1		
		460 661	ELBOW—street (fuel shut-off valve at tank).....		1		
		70551-02	GASKET—carburetor heater scoop.....		1		
		434 134	GROMMET—rubber— $\frac{3}{8}$ ".....		2		
		434 138	GROMMET—rubber— $\frac{3}{8}$ ".....		3		
		434 142	GROMMET—rubber— $\frac{3}{8}$ ".....		1		
		468 340	JET—primer—straight (nut and ferrule in cylinder wall).....		2		
		496 278	LINE—flexible fuel—8- $\frac{1}{2}$ ".....		1		
		70322-14	LINE—flexible fuel—19- $\frac{1}{2}$ ".....		1		
		496 279	LINE—flexible oil pressure $\frac{3}{8}$ " x 5".....		1		
		496 279	LINE—flexible primer— $\frac{3}{8}$ " x 5".....		1		
		82332-10	LINE—oil pressure— $\frac{3}{8}$ " x 42".....		1		
		71061-00	LINE—oil pressure—flexible.....		1		
		00066-68	LINE—primer—left bank— $\frac{3}{8}$ " x 30".....		1		
		00067-03	LINE—primer—right bank—flared— $\frac{3}{8}$ " x 20".....		1		
		00067-79	LINE—primer inlet— $\frac{3}{8}$ " x 46".....		1		
		00066-68	LINE—primer outlet— $\frac{3}{8}$ " x 30".....		1		
		715 003	LINER—mounting lug—leather (motor mount bolt bushing).....		4		
		74234-00	MOUNT—engine.....		1		
		460 656	NIPPLE—close $\frac{1}{4}$ " (fuel shut-off to tank).....		1		
		460 665	NUT—inverted (three at primer tee and one at fuel strainer end of primer intake line).....		4		
		74071-00	PLACARD—shroud.....		2		
		496 206	PROPELLER—Sensenich—Design 70L-45.....		1		
		00063-00	REGULATOR ASSY.—cabin heat.....		1		
		81342-23	RUBBER—cowl support.....		7		

Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
POWER PLANT (Continued)							
50 H.P. LYCOMING ENGINE INSTALLATION (DOWN EXHAUST) (LESS ENGINE) (Continued)							
		70562-00	SCOOP ASSY.—carburetor air.....		1		
		00063-73	SHROUD—exhaust stack—left.....		1		
		00063-85	SHROUD—exhaust stack—right.....		1		
		00063-13	STACK—exhaust—left.....		1		
		00063-14	STACK—exhaust—right.....		1		
		496 250	STRAINER—fuel (for fuel strainer parts refer to fuel system list).....		1		
		00023-79	SWITCH—ignition.....		1		
		496 308	TEE—primer (at bank line and primer outlet line junction).....		1		
		488 324	TERMINAL—ignition wire.....		1		
			TUBE—flexible—1" x 14".....		2		
			TUBE—flexible—2- $\frac{1}{8}$ " x 6- $\frac{1}{2}$ ".....		1		
			TUBE—flexible—2- $\frac{1}{8}$ " x 10- $\frac{1}{2}$ ".....		1		
		496 326	WASHER—copper asbestos.....		1		
		494 005	WASHER—felt tachometer.....		1		
		80122-43	WASHER—fiber.....		4		
		715 002	WASHER—steel—special $\frac{11}{16}$ " x 1- $\frac{1}{8}$ " x $\frac{1}{8}$ ".....		12		
		715 001	WASHER—thermoid.....		8		
		00024-27	WIRE—short ignition.....		1		
		00023-69	WIRE—long ignition.....		1		
			NOTE: Lycoming 55 H. P. engine installation is the same as 50 H. P. assembly, except that the 55 H. P. requires the following additional parts, for dual ignition:				
		00023-79	SWITCH—ignition.....		1		
		00024-27	WIRE—short ignition.....		1		
		00023-69	WIRE—long ignition.....		1		
65 H. P. LYCOMING ENGINE INSTALLATION (LESS ENGINE) (DOWN EXHAUST)							
		496 325	ADAPTER—oil temperature.....		1		
		70562-00	AIRSCOOP—carburetor.....		1		
		70211-00	BRACKET—cabin heater control.....		1		
		74251-00	BRACKET—nose cowl.....		1		
		71851-00	CLAMP—breather line.....		2		
		70591-03	CLAMP—exhaust stack.....		4		
		00068-81	CLAMP—fuel strainer elbow bracket.....		1		
		00063-83	CLAMP—fuel strainer support.....		1		
		80002-09	CLAMP—plain— $\frac{3}{4}$ ".....		1		
		00063-18	CLAMP—shroud—left.....		1		
		00063-19	CLAMP—shroud—right.....		1		
		72901-00	CLAMP—throttle.....		1		
		454 888	CLIP—cowling.....		13		
		496 286	CONNECTOR—inverted male.....		1		
		460 653	CONNECTOR—inverted male (tank fuel line at shut-off valve).....		1		
		460 653	CONNECTOR—inverted male (tank fuel line at fuel strainer).....		1		
		00058-40	COWL ASSY.—engine—bottom.....		1		
		00081-82	COWL ASSY.—engine—top.....		1		
		00063-74	ELBOW ASSY.—cabin heater.....		1		
		496 097	ELBOW—inverted male (strainer fuel line at carburetor).....		1		
		460 661	ELBOW—street (fuel shut-off valve to tank).....		1		
		496 314	ELBOW—street (top of fuel strainer to flexible primer line).....		1		
		70551-03	GASKET—carburetor heater scoop.....		1		
		434 134	GROMMET—rubber— $\frac{3}{8}$ ".....		2		
		434 138	GROMMET—rubber— $\frac{3}{8}$ ".....		3		
		434 142	GROMMET—rubber— $\frac{3}{8}$ ".....		2		
		468 340	JET—primer—straight (nut and ferrule in cylinder wall).....		1		
		496 278	LINE—flexible fuel—8- $\frac{1}{2}$ ".....		1		
		496 279	LINE—flexible oil pressure $\frac{3}{4}$ " x 5".....		1		
		496 279	LINE—flexible primer $\frac{1}{2}$ " x 5".....		1		
		00065-10	LINE—fuel—copper $\frac{3}{8}$ " x 12- $\frac{1}{2}$ ".....		1		
		82332-10	LINE—oil pressure— $\frac{1}{2}$ " x 42"—Type B.....		1		
		71061-00	LINE—oil pressure—flexible.....		1		
		00067-79	LINE—primer inlet— $\frac{1}{8}$ " x 46".....		1		
		00066-68	LINE—primer outlet— $\frac{1}{4}$ " x 30".....		1		
		00066-68	LINE—primer—left bank $\frac{1}{4}$ " x 30".....		1		
		00067-03	LINE—primer—right bank $\frac{1}{8}$ " x 20".....		4		
		715 003	LINER—mounting lug—leather (motor mount bolt bushing).....		1		
		74234-00	MOUNT—engine.....		1		
		460 656	NIPPLE—close— $\frac{1}{4}$ " (fuel shut-off valve to tank).....		1		
		460 665	NUT—inverted— $\frac{1}{4}$ " (three at primer tee and one at fuel strainer end of primer inlet line).....		4		
		74071-00	PLACARD—shroud.....		2		
		496 209	PROPPELLER—Sensenich—Design 70LY-34.....		1		
		00063-00	REGULATOR ASSY.—cabin heater.....		7		
		81342-23	RUBBER—cowl support.....		1		
		00063-73	SHROUD—exhaust stack—left.....		1		
		00063-85	SHROUD—exhaust stack—right.....		1		
		00063-13	STACK—exhaust—left.....		1		
		00063-14	STACK—exhaust—right.....		1		
		72302-00	STRAINER—fuel (for fuel strainer parts refer to fuel system list).....		1		
		496 308	TEE—primer (at bank line and primer outlet line junction).....		1		
		488 324	TERMINAL—ignition wire.....		1		
			TUBE—flexible 1" x 11- $\frac{1}{2}$ " (air intake to carburetor heater shroud).....		1		
			TUBE—flexible 2- $\frac{1}{8}$ " x 12- $\frac{1}{4}$ " (air intake to cabin heater).....		1		
			TUBE—flexible 2- $\frac{1}{8}$ " x 6- $\frac{1}{2}$ " (shroud to carburetor heater).....		1		
		496 326	WASHER—copper asbestos.....		1		
		494 005	WASHER—felt—tachometer.....		1		
		80122-43	WASHER—fiber—engine mount.....		4		
		715 002	WASHER—steel special ($\frac{11}{16}$ " x 1- $\frac{1}{8}$ " x $\frac{1}{8}$ ".....		12		
		715 001	WASHER—thermoid.....		8		
LYCOMING 65 H. P. ENGINE INSTALLATION (LESS ENGINE) (MUFFLER TYPE)							
		70562-00	AIRSCOOP—carburetor.....		1		
		496 325	ADAPTER—oil temperature.....		1		
		70232-00	BOX—cabin neat control.....		1		
		70581-02	BRACE—exhaust stack.....		1		
		74261-00	BRACE—motor mount cowl—left.....		1		
		74271-00	BRACE—motor mount cowl—right.....		1		

Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
POWER PLANT (Continued)							
65 H. P. LYCOMING ENGINE INSTALLATION (LESS ENGINE) (MUFFLER TYPE) (Continued)							
		70211-00	BRACKET—cabin heater control.		1		
		71991-00	BRACKET—fuel strainer hanger.		1		
		74251-00	BRACKET—nose cowl.		1		
		72871-00	CHANNEL—manifold hanger.		2		
		454 881	CLAMP—breather line hose.		2		
		71851-00	CLAMP—breather tube.		2		
		80002-02	CLAMP—carburetor heat control cable.		1		
		70601-00	CLAMP—carburetor heat control.		1		
		72901-00	CLAMP—engine mount throttle.		1		
		80002-22	CLAMP—tailpipe brace.		1		
		70221-00	CLAMP—throttle control.		1		
		80002-53	CLAMP—throttle control (on engine mount).		4		
		70591-03	CLAMP ASSY.—exhaust port attachment.		1		
		72691-00	CLAMP ASSY.—exhaust tailpipe to muffler.		2		
		70591-02	CLAMP ASSY.—stack to muffler connecting.		1		
		72393-02	CONNECTOR—hose— $\frac{3}{8}$ " x 3- $\frac{1}{2}$ ".		1		
		460 651	CONNECTOR—inverted male.		1		
		73203-00	COWL ASSY.—engine top.		1		
		73223-00	COWL ASSY.—engine bottom.		1		
		460 659	ELBOW—inverted 45°.		1		
		496 097	ELBOW—inverted male.		1		
		460 661	ELBOW—street.		1		
		70551-03	GASKET—carburetor heater scoop.		1		
		72861-00	HANGERS—manifold.		2		
		468 340	JETS—primer (straight).		2		
		70322-02	LINE—fuel (fuel strainer to carburetor $\frac{3}{8}$ " x 15").		1		
		71061-00	LINE—flexible primer 5- $\frac{1}{4}$ ".		1		
		00067-79	LINE—primer inlet— $\frac{1}{8}$ " x 46".		1		
		00066-68	LINE—primer outlet— $\frac{1}{8}$ " x 30".		1		
		71242-06	LINE—primer—tee to left bank $\frac{1}{8}$ " x 35".		1		
		00067-03	LINE—primer—tee to right bank $\frac{1}{8}$ " x 20".		1		
		00062-19	*LINE—type A oil pressure $\frac{1}{8}$ " x 35".		1		
		496 279	LINE—type A oil pressure $\frac{1}{8}$ " x 5- $\frac{1}{4}$ ".		1		
		82332-10	LINE—type B oil pressure $\frac{1}{8}$ " x 42".		1		
		71061-00	LINE—type B oil pressure flexible $\frac{1}{8}$ " x 5- $\frac{1}{4}$ ".		1		
		72432-00	LINE ASSY.—fuel (tank to fuel strainer) copper 11- $\frac{3}{4}$ ".		1		
		45160-00	LINER—mounting lug (rubber motor mount bolt bushing).		4		
		74234-00	MOUNT ASSY.—engine.		1		
		74414-00	MUFFLER ASSEMBLY—(COMPLETE).		1		
		72691-00	CLAMP ASSY.—Exhaust tailpipe to muffler.		1		
		71053-02	MUFFLER ASSY.		1		
		74071-00	PLACARD—tailpipe shroud.		1		
		70912-00	SHROUD ASSY.—exhaust tailpipe.		1		
		74403-00	SHROUD ASSY.—muffler.		1		
		71261-00	CLIP—slide assembly.		1		
		70701-00	TAILPIPE ASSY.—exhaust.		1		
		460 665	NUTS—inverted $\frac{1}{8}$ ".		4		
		496 209	PROPELLER—Sensenich—Design 70LY34.		1		
		81342-23	RUBBER—cowl support.		8		
		73043-00	STACK ASSY.—exhaust—left.		1		
		73163-00	STACK ASSY.—exhaust—right.		1		
		72312-00	STRAINER—fuel (for fuel strainer parts refer to fuel system list).		1		
		496 308	TEE—inverted.		1		
		84332-00	TUBE—breather— $\frac{3}{8}$ " x 17- $\frac{1}{2}$ ".		1		
			TUBE—flexible—2- $\frac{1}{4}$ " x 5" (muffler shroud to cabin inlet box).		1		
			TUBE—flexible—2- $\frac{1}{4}$ " x 20" (muffler shroud cowl intake).		1		
			TUBE—flexible—2- $\frac{1}{4}$ " x 21" (muffler shroud cowl intake).		1		
			TUBE—flexible—2- $\frac{1}{8}$ " x 10" (tailpipe shroud to carburetor).		1		
		496 326	WASHER—copper asbestos.		1		
		80122-43	WASHER—black fiber 1- $\frac{1}{2}$ " O. D. x $\frac{1}{4}$ " I. D.		4		
		715 001	WASHER—thermoid.		8		
*The above Type B lines will be supplied in place of part No. 00062-19.							

DOPE – THINNER – PRIMER – ETC.

Order by Stock Number

NOMENCLATURE	STOCK NO.	UNIT	NOMENCLATURE	STOCK NO.	UNIT		
Sport yellow dope – J3	750 121	1 qt.	Black dope	750 169	1 qt.		
	750 122	1 gal.		750 170	1 gal.		
	750 123	5 gal.		750 171	5 gal.		
	750 124	50 to 55 gal.		750 172	50 to 55 gal.		
Cruiser orange dope – J5	750 129	1 qt.	Thinner – Cellulose nitrate	750 177	1 qt.		
	750 130	1 gal.		750 178	1 gal.		
	750 131	5 gal.		750 179	5 gal.		
	750 132	50 to 55 gal.		750 180	50 to 55 gal.		
Tennessee red dope	750 133	1 qt.	Aluminum dope	750 193	1 qt.		
	750 134	1 gal.		750 194	1 gal.		
	750 135	5 gal.		750 195	5 gal.		
	750 136	50 to 55 gal.		750 196	50 to 55 gal.		
New Cub cream	750 153	1 qt.	Plastekon (firewall putty)	750 206	1 gal.		
	750 154	1 gal.		Brake fluid	750 209	1 qt.	
	750 155	5 gal.			Oleo strut fluid	750 212	1 qt.
	750 156	50 to 55 gal.					
Clear dope – Cellulose nitrate tinted	750 165	1 qt.					
	750 166	1 gal.					
	750 167	5 gal.					
	750 168	50 to 55 gal.					

Fig. No.	Ref. No.	Part Number	Part Name and Description	Serial Numbers	No. Req.	Price Each	Source of Parts not Stocked by Piper
MISCELLANEOUS ITEMS							
		187 600	BEADING—windshield rubber (10 ft. pieces).....				
		750 111	BOOK—aircraft log.....				
		750 112	BOOK—engine log.....				
		750 113	BOOK—pilot log (black imitation leather cover).....				
		750 114	BOOK—pilot log (green homespun cover).....				
		158 100	CABLE—aircraft (7 x 7 x 1/4" flexible) (25 ft. rolls).....				
		158 200	CABLE—aircraft (7 x 19 x 3/8" flexible) (125 ft. rolls).....				
		158 350	CABLE—aircraft (7 x 19 x 1/8" non-flexible) (25 ft. rolls).....				
		750 286	CAPSTRIP—rib .012 (5 ft.).....				
		750 283	CHANNEL—"U"—steel (3/8" x .020) (6 ft.).....				
		750 284	CHANNEL—"U"—steel (1/2" x .016) (6 ft.).....				
		750 285	CHANNEL—"U"—steel (3/8" x .032) (6 ft.).....				
		750 700	CORD—Mason line No. 4 (36 yd. spool).....				
		180 610	CORD—No. 4 Mason (144 yd. spool).....				
		180 640	CORD—rib stitching (675 yd. roll).....				
		750 278	FABRIC—intermediate—25 to 35 yd roll—40".....				
		750 279	FABRIC—intermediate—100 to 125 yd. roll—40".....				
		750 281	FABRIC—Grade A—25 to 35 yd. roll—42".....				
		750 282	FABRIC—Grade A—100 to 125 yd. roll—42".....				
		180 280	FABRIC—Grade A—500 yd. roll—42".....				
		180 240	FABRIC—intermediate—500 yd. roll—40".....				
		496 123	GENERATOR—Air-Lite aircraft, 6 volt. Model AG40E.....				
		496 126	GENERATOR—Air-Lite aircraft, 12 volt. Model AG42E.....				
		187 030	HOSE—rubber—1/4" I. D. (per ft.) (airspeed).....				
		750 247	KIT—aircraft tie-down—all models.....				
		496 176	LANDING LAMPS—Grimes self-retractable, Model ST-250.....				
		750 287	MATERIAL—rib brace .020 (5 ft.).....				
		187 500	MOULDING—windshield rubber (per ft.).....				
		426 420	NAIL—cement coated—18 ga. x 1 1/2".....				
		426 422	NAIL—cement coated—18 ga. x 3/4".....				
		180 510	PADDING—felt—fuel tank strap (per foot).....				
		186 018	PLEXIGLASS—sheet .080 x 40" x 50".....				
		745 002	PLUG—spark—Champion—C26—J3, J4, J5, C50-65-75.....				
		745 004	PLUG—spark—Champion—J-10-J3, J4-F50-65-75.....				
		745 005	PLUG—spark—Champion—AV-4-J3, J4, J5, L50-55-65-75.....				
		185 130	PYRALIN—.030 x 21" x 50".....				
		185 150	PYRALIN—.050 x 21" x 50".....				
		185 180	PYRALIN—.080 x 21" x 50".....				
		00031-24	REPAIR STRIP—rib capstrip .020 (1 ft.).....				
		427 002	SCREW—wood flat head—No. 3 x 1/2".....				
		427 421	SCREW—wood flat head—No. 5 x 7/8".....				
		427 817	SCREW—wood round head—No. 3 x 1/2".....				
		427 503	SCREW—wood round head—No. 4 x 1/2".....				
		427 831	SCREW—wood round head—No. 5 x 3/8".....				
		486 563	SHACKLE—(AN115-16).....				
		180 420	TAPE—cloth masking—Jonflex—60 yd. roll—3/4".....				
		180 440	TAPE—pinked—intermediate—100 yd. roll—1 1/2".....				
		180 483	TAPE—pinked—intermediate—100 yd. roll—2".....				
		180 495	TAPE—pinked—Grade A—100 yd. roll—2".....				
		750 523	TAPE—rib reinforcing—Herringbone—144 yd. roll—1/2".....				
		12461-02	TAPE—rib reinforcing—Herringbone—17 ft. roll—3/8".....				
		180 430	TAPE—rib reinforcing—Herringbone—576 yd. roll—3/8".....				
		488 565	THIMBLE—(AN100-4).....				
		101 680	TUBING—flexible aluminum—1" ID x 1 3/8" OD.....				
		101 980	TUBING—flexible aluminum—2" ID x 2 3/8" OD.....				
		100 124	TUBING—round aluminum (airspeed) .032 x 1/4".....				
		103 244	TUBING—round copper—.032 x 3/8".....				
		103 084	TUBING—round copper—.032 x 1/4".....				
		103 124	TUBING—round copper—.032 x 1/4".....				
		103 563	TUBING—round copper—.032 x 1/4".....				
		489 609	TURNBUCKLE—(42722-00).....				
		180 810	WEBBING—cowl (per ft.).....				
		750 293	WIRE—safety—.040—1 lb. roll.....				
		150 420	WIRE—safety—.040—10 lb. roll.....				

AIRCRAFT CLEVIS BOLTS

AN Dash Number	Length Under Head to End	AN23 10-32	AN24 1/4"-28
-10	3/8"	400 672	
-12	3/8"	400 674	
-13	1/2"	400 675	400 700
-14	3/8"		400 701

AIRCRAFT CLEVIS PINS

AN Dash Number	Effective Length	AN393 1/8"	AN394 1/4"	AN396 3/8"
-9	1/8"	424 173		
-11	1/8"	424 174	424 202	
-17	1/8"	424 177		424 276
-33	1-1/8"		424 213	
-37	1-1/8"		424 215	
-41	1-1/8"		424 217	
-55	1-1/8"	424 196	424 224	

SENENICH PROPELLERS

All speeds shown are maximum and should not be exceeded.

LAND PLANES

Model Design	Engine Install.	Ground R. P. M.	Air R. P. M.	Type R. P. M.	Part Number	No. on Propeller
J3	Cont. 40 HP	2250	2575	Slow	496 199	69C26
J3	Cont. 40 HP	2350	2650	Fast	496 198	69C23
J3	Cont. 50 HP	1800	1900	Slow	496 221	76B49
J3	Cont. 50 HP	1900	2150	Fast	496 220	76B47
J3	Cont. 65 HP	2100	2300	Slow	496 213	72C44
J3	Cont. 65 HP	2250	2450	Fast	450 900	72C42
J3	Cont. 65 HP	2250	2450	Fast	750 731	72CK42
J3	Frank. 50 HP	2200	2400	Slow	496 205	70F47
J3	Frank. 50 HP	2250	2500	Fast	496 204	70F45
J3	Frank. 60 HP	2200	2400	Slow	496 205	70F47
J3	Frank. 60 HP	2250	2450	Fast	496 204	70F45
J3	Frank. 65 HP	2200	2400	Slow	496 215	72F42
J3	Lyc. 50 HP	2150	2300	Slow	496 207	70L47
J3	Lyc. 50 HP	2200	2400	Fast	496 206	70L45
J3	Lyc. 55 HP	2175	2300	Slow	496 207	70L47
J3	Lyc. 55 HP	2200	2400	Fast	496 206	70L45
J3	Lyc. 65 HP	2250	2500	Slow	496 210	70LY36
J3	Lyc. 65 HP	2450	2750	Fast	496 209	70LY34

SEA PLANES

J3	Cont. 40 HP	2575	2800		496 378	72B
J3	Cont. 50 HP	1900	2100		496 220	76B47
J3	Cont. 65 HP	2250	2450		450 900	72C42
J3	Cont. 65 HP	2250	2450		750 731	72CK42
J3	Frank. 50 HP	2300	2600		496 236	70F43
J3	Frank. 60 HP	2250	2400		496 204	70F45
J3	Lyc. 50 HP	2200	2400		496 206	70L45
J3	Lyc. 55 HP	2200	2400		496 206	70L45
J3	Lyc. 65 HP	2450	2750		496 209	70LY34

STEEL TUBING

Random Lengths

NOTE: All tubing is seamless with the exception of those marked with a (W) for welded.

Stock Number	Wall Thickness and Outside Diameter	Quality	
111 685	.035 x 1-1/8"	4130	For L. G. Vee Legs
110 485	.035 x 3/4"	4130	For Longerons
107 485	.035 x 3/4"	1025	
107 243	.028 x 3/8"	4130	All following tubing is for fuselage members
107 323	.028 x 1/2"	1025	
107 325	.035 x 1/2"	1025	
107 403	.028 x 5/8"	1025	
107 405	.035 x 5/8"	1025	
108 565 (W)	.035 x 7/8"	1025	
111 487 (W)	.049 x 3/4"	4130	
111 645	.035 x 1"	4130	
110 647	.049 x 1"	4130	
110 687	.049 x 1-1/8"	4130	

MACHINE SCREW NUTS

Stock No.	Size
405 095	4-40
405 099	6-32
405 309	6-40
405 100	8-32
405 312	10-32

ELASTIC STOP NUTS

Stock No.	Size
406 678	6-32
406 680	8-32
406 681	10-32
406 682	1/4"

BOOT NUTS

Stock No.	Size
406 770	8-32
406 771	10-32

TINNERMAN SPEED NUTS

Stock No.	Size
406 340	4-40
406 346	6-32

AIRCRAFT NUTS

AN Dash Number	Size and Thread	AN310 Castle	AN315R Plain	AN315L Plain	AN320 Shear
-3	10-32	404 100	404 224	404 234	404 392
-4	1/4" x 28	404 101	404 225		404 393
-5	5/16" x 24	404 102	404 226		404 394
-6	3/8" x 24	404 103	404 227		404 395
-7	7/16" x 20	404 104	404 228		404 396
-8	1/2" x 20	404 105	404 229		404 397

AN Specification Cotter Pins

Stock No.	AN NUMBER	Size
424 051	AN380-2-2	1/16" x 1/2"
424 059	AN380-3-3	3/32" x 3/4"
424 062	AN380-3-6	3/32" x 1-1/2"
424 074	AN380-5-3	5/32" x 3/4"

AN960 — Spec. Flat Washers

Stock Number	AN Dash Number	Inside Diameter	Outside Diameter	Thickness
407 564	-10	13/64"	7/16"	1/16"
407 565	-416	17/64"	1 1/2"	1/16"
407 566	-516	21/64"	9/16"	1/16"
407 567	-616	25/64"	5/8"	1/16"
407 568	-716	29/64"	3/4"	1/16"

AN970 — Spec. Flat Washers

Stock Number	AN Dash Number	Inside Diameter	Outside Diameter	Thickness
407 800	-3	No. 10	7/8"	1/16"
407 801	-4	17/64"	1-1/8"	1/16"
407 802	-5	21/64"	1-3/8"	1/16"
407 803	-6	25/64"	1-5/8"	1/16"

AN935 — Spec. Lock Washers

Stock Number	AN Dash Number	Bolt Size	Inside Diameter	Outside Diameter
407 101	-4	No. 4	.115	.178
407 102	-6	No. 6	.143	.237
407 103	-8	No. 8	.169	.263
407 104	-10	No. 10	.200	.325
407 105	-416	1/4"	9/32"	13/32"
407 106	-516	5/16"	11/32"	19/32"
407 107	-616	3/8"	13/32"	21/32"

Parker Kalon Screws

Stock Number	Description
419 744	No. 4 x 1/8" Type A
419 753	No. 6 x 3/8" Type A
419 885	No. 4 x 1/4" Type Z

MACHINE SCREWS

Length	Round Head				Flat Head				Oval Head			Fillister Head 10-32
	4-40	6-32	8-32	10-32	4-36	6-32	8-32	10-32	4-36	6-32	8-32	
1/2"	415 979	410 805	410 852	417 775	414 715	414 749		416 630	415 210	415 242	415 257	
3/8"		410 803		415 755	414 716	414 750		416 786		415 208	415 242	
1/4"				415 741	414 717	414 751		414 757		415 259		
3/16"				415 742						415 261		416 292
1"				415 752								418 789
1-1/4"				415 760				416 789				
1-3/4"				415 810				416 790				
1-1/2"				415 759								
1-3/8"				417 781								
2"				417 783								

AIRCRAFT RIVETS

Length	ALUMINUM						STEEL					
	Round Head		Brazier Head		Csk. Head		Round Head		Flat Head		Csk. Head	
	3/8	1/8	3/8	1/8	3/8	1/8	3/8	1/8	3/8	1/8	3/8	
1/2"			421 021	421 035	421 100	421 114			422 595			
3/8"	421 340		421 022	421 036	421 101	421 115			422 596			
1/4"			421 023	421 037		421 116			422 597			
3/16"			421 024	421 039		421 039			422 598			
1/2"			421 026						422 600		422 402	
3/8"									422 603			
1/4"									422 605			
1"		421 387					422 592					
1-1/8"		421 004										
1-3/8"		421 005										
1-1/2"									422 633			
1-3/4"										422 475		
2"											422 410	

NOTE: Minimum stock quantity—1/2lb.