



FLETCHER, INC

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HOUSTON, TEXAS 77061

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General Parts Catalog

Product support for: American Aviation, Grumman American, Gulfstream American, American General Aircraft Corporation, and Tiger Aircraft

5 th EDITION, 2003

Date: 12-06-03

SERVICES

Fletcher Aviation, Inc. has been involved in aviation training since 1945. We are a certified Tiger Aircraft Dealer and Service Center and have also been flying Grumman Americans some 100,000 hours. There is strong product loyalty here since we have operated many airplanes of all brands. We know performance and especially operating cost cannot be matched by anything else in their class.

At our flight training facility we offer instruction from Private thru Multi-engine ATP (except helicopter and blimp), FAA Written exams on site, and an FAA approved Part 141 flight school with VA approval and Lee College course training.

If you are in need of maintenance and parts, our staff will be here to take care of your aircraft needs. We are labeled the "Grumman Specialists" with David Fletcher being the on-site "Grummanologist" here to answer your technical inquiries.

Aircraft

The following aircraft are available for training or rental:

VFR Cheetahs - \$66.00/hour
 IFR Cheetahs - \$73.00/hour
 AG5B Tiger - \$87.00/hour
 Piper Arrow - \$95.00/hour
 Socata Trinidad - \$139.00/hour
 Cougar - \$143.00

SPECIAL RATE FOR AMERICAN YANKEE
 ASSOCIATION MEMBERS:

VFR CHEETAHS - \$61.00/HOUR
 IFR CHEETAHS - \$68.00/HOUR
 TIGER - \$83.00/HOUR
 COUGAR - \$138.00/HOUR

USED PARTS

We have parted out 25 damaged Grumman Americans and have most everything commonly used available in our used parts inventory. This inventory constantly changes and would be impossible to publish. Please call in your needs and see what we have in stock currently.

WANTED!!!!

Your damaged aircraft (if you decide to sell rather than repair), used parts, and old inventory. Your junk is our treasure!



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FletchAir, Inc**Parts Catalog**

To Order Call 1.800.FA.WINGS

**SECTION 10 - HARDWARE**

**STAINLESS STEEL
"TRUSS TYPE"
PHILLIPS HEAD MACHINE SCREW**

PART #	THREAD SIZE	PRICE
AN526C632R6	632 X 3/8"	.25
AN526C632R8	632 X 1/2"	.25
AN526C632R10	632 X 5/8"	.25
AN526C632R12	632 X 3/4"	.25
AN526C832R6	832 X 3/8"	.25
AN526C832R8	832 X 1/2"	.25
AN526C832R10	832 X 5/8"	.25
AN526C832R12	832 X 3/4"	.25
AN526C1032R6	1032 X 3/8"	.25
AN526C1032R8	1032 X 1/2"	.25
AN526C1032R10	1032 X 5/8"	.25
AN526C1032R12	1032 X 3/4"	.25



**STAINLESS STEEL
"COUNTER-SUNK" TYPE
WASHERS**

PART #	THREAD SIZE	PRICE
A323-012-24A	632	.25
A3135-017-24A	832	.25
A3235-020-24A	1032	.25

Screw Kits



**STAINLESS STEEL
AIRFRAME SCREW KITS**

PART #	TO FIT:	PRICE
T1011	AA1 SERIES A/C	27.50
T501	AA5 SERIES A/C	44.50



**STAINLESS STEEL
"100° FLAT TYPE"
PHILLIPS HEAD MACHINE SCREW**

PART #	THREAD SIZE	PRICE
MS24693C26	632 X 3/8"	.06
MS24693C28	632 X 1/2"	.06
MS24693C29	632 X 5/8"	.06
MS24693C30	632 X 3/4"	.06
MS24693C48	832 X 3/8"	.06
MS24693C50	832 X 1/2"	.06
MS24693C51	832 X 5/8"	.06
MS24693C52	832 X 3/4"	.06
MS24693C270	1032 X 3/8"	.06
MS24693C272	1032 X 1/2"	.06
MS24693C273	1032 X 5/8"	.06
MS24693C274	1032 X 3/4"	.06



**STAINLESS STEEL
"FLAT" TYPE WASHERS**

PART #	THREAD SIZE	PRICE
AN960C4	440 (THICK)	.26
AN960C6	632 (THICK)	.28
AN960C8	832 (THICK)	.28
AN960C10	1032 (THICK)	.28
AN960C416	1/4" (THICK)	.25
AN960C516	5/16" (THICK)	.25
AN960C616	3/8" (THICK)	.28
AN960C716	7/16" (THICK)	.29
AN960C10L	#10 (THIN)	.26
AN960C416L	1/4" (THIN)	.28
AN960C516L	5/16" (THIN)	.28
AN960C616L	3/8" (THIN)	.28
AN960C716L	7/16" (THIN)	.29



GARNER RICE-Q/A Manager



SECTION 11 - PLACARDS AND MARKINGS - INTERIOR

INTERIOR PLACARD KITS

*CONSISTS OF ALL PLACARDS REQUIRED BY THE AIRCRAFT TYPE CERTIFICATE



Part #	Description	Price
D106	AA1 series Combo placard kit	\$45.00
D508I	AA5 series Interior placard kit	\$45.28
* specify your fuel capacity when ordering.		
D508E	AA5 series Exterior placard kit	\$25.00

We also offer individual placards!

Just let us know your needs!

FUEL SELECTOR VALVE PLACARDS



Part #	Description	Price
803006-3	AA1 series	\$10.90
D5105	AA5 series with "18.5 gals. Per side" 5803006-1	\$ 8.87
D5106	AA5 series with "25.5 gals. Per side" 5803006-2	\$12.96



Call and order parts on our toll free line
 800.329.4647
 800.FA.WINGS

GRUMMAN AMERICAN

LOWER INSTRUMENT PANEL OVERLAYS

*ALL AA1 & AA5 SERIES 1972 AND UP

Part #	Description	Price
D210	L/H Ignition switch, start, master, etc. 5803007-5	\$\$15.00



D2101	Upper center 6 rocker switches, dimmer, circuit breaker, etc. 5803007-36	\$15.00
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Make sure you are equipped with 6 switches.



D2102	R/H Fuse Panel overlay 5803007-37	\$15.00
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Make sure you have 9 fuses.



D2103	Lower Center Engine controls 5803001-40	\$15.00
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D2104	Set of all four of the above placards	\$50.00
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SAVE MONEY – GET ALL FOUR!

SECTION 11 - PLACARDS AND MARKINGS - EXTERIOR

**"CAT" DESIGNS
AA1 SERIES**

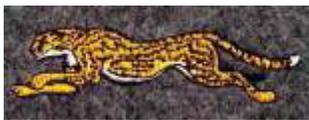


Part #	Description	Price
D103	T-Cat, L/H or R/H 6 1/8" x 6 1/8", color	\$19.95



Part #	Description	Price
D101	Lynx, L/H or R/H 6 7/8" x 6 3/4"	\$19.95
D102	Lynx, R/H Not available	

**"CAT" DESIGN
AA5A CHEETAH**



Part#	Description	Price
D503	Cheetah, L/H 5803010-1	\$24.50
D504	Cheetah, R/H 5803010-2	\$24.50

**"CAT" DESIGN
AA5B TIGER**



Part #	Description	Price
D501	Tiger, L/H 5803003-1	\$24.50
D502	Tiger, R/H 5803003-2	\$24.50

**"SCRIPT" DESIGN
AA5A CHEETAH 1979**



Part #	Description	Price
D5031	Cheetah "script" Black 15 1/4" x 4. 3/8"	\$24.50
D5032	Cheetah "script" White 15 1/4" x 4 3/8"	\$24.50

**"SCRIPT" DESIGN
AA5B TIGER 1979**



Part#	Description	Price
D5011	Tiger "script" black For vertical stabilizer	\$24.50
D5012	Tiger "script" white For vertical stabilizer	\$24.50

**"SCRIPT" DESIGN
GA7 COUGAR**



Part #	Description	Price
D701	Black Script w/Gold Cougar 8"L x 6"H	\$24.50
D702	White Script w/Gold Cougar 8"L x 6"H	\$24.50



PRICES SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

SECTION 11 - PLACARDS AND MARKINGS - EXTERIOR cont.

BLOCK LETTER DESIGNS

"AMERICAN"

Part #	Description	Price
D2056	Black Letter "AMERICAN"	\$10.85
D2057	White Letter "AMERICAN"	\$10.85



JOHN MUÑIZ is hard at work to help you with your parts order.

"GRUMMAN AMERICAN"

Part #	Description	Price
D2050	White R/H "GRUMMAN AMERICAN" 803009-2	\$11.93
D2051	White L/H "GRUMMAN AMERICAN" 803009-1	\$11.93
D2052	Blue R/H "GRUMMAN AMERICAN" 803009-4	\$11.93
D2053	Blue L/H "GRUMMAN AMERICAN" 803009-3	\$11.93
D2054	Black R/H "GRUMMAN AMERICAN" 803009-6	\$11.93
D2055	Black L/H "GRUMMAN AMERICAN" 803009-5	\$11.93



AN AASA TAKES FLIGHT AT FLETCHAIR, INC.

"YANKEE"

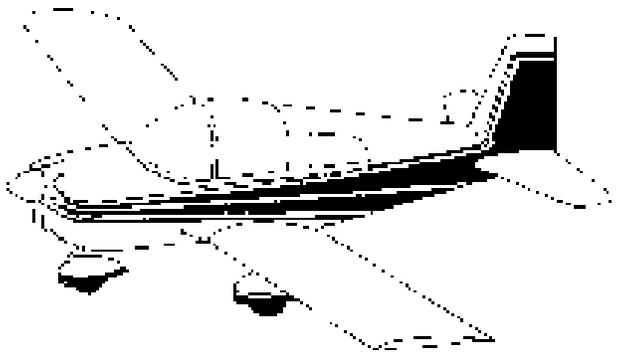
Part#	Description	Price
D108	"YANKEE" Black	\$10.85
D109	"YANKEE" White	\$10.85

"TRAVELER"

Part #	Description	Price
D513	"TRAVELER" Black	\$10.85
D514	"TRAVELER" White	\$10.85

"CHEETAH"

Part #	Description	Price
D515	"CHEETAH" Black	\$10.85
D516	"CHEETAH" White	\$10.85



FletchAir, Inc	Parts Catalog	To Order Call 1.800.FA.WINGS	
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SECTION 12 - SERVICING - MANUALS

AA1 SERIES

Part#	Description	Price
		
M101	Owner's Manual ('69-'72) "YANKEE" AA1	\$7.20
M102	Owner's Manual ('71-'72) "AMERICAN TRAINER" AA1A	\$7.20
M103	Owner's Manual ('73-'76) "TRAINER""TR-2" AA1B	\$7.20



M104	Pilot's Operating Handbook ('77-'78) "T-CAT""LYNX" AA1C	\$16.50
M105	Parts Catalog (Pre '77) AA1 - AA1B	\$31.00
M106	Parts Catalog ('77-'79) AA1C	\$31.00
M107	Service Manual (Pre '77) AA1 Series	\$26.00
M108	Maintenance Manual('77-'78) AA1C Only	\$40.00

AA5 SERIES

Part #	Description	Price
M509	Owner's Manual ('72-'74) "TRAVELER"	\$7.20
M510	Owner's Manual ('75 only) "TRAVELER"	\$7.20



M511	Owner's Manual (Pre '77) "CHEETAH"	\$7.20
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Let our maintenance staff service your Grumman Aircraft.



M511A	Flight Manual AA5 "CHEETAH"	\$17.00
M512	Pilot's Operating Handbook ('77-'79) "CHEETAH"	\$16.80
M513	Owner's Manual (Pre '77) AA5B "TIGER"	\$7.20
M513A	Flight Manual AA5B "TIGER"	\$17.00
M514	Pilot's Operating Handbook ('77-'79) AA5B "TIGER"	\$16.80

FletchAir, Inc**Parts Catalog**

To Order Call 1.800.FA.WINGS

**SECTION 12 - SERVICING - MANUALS cont.****AA5 SERIES – cont.**

Part #	Description	Price
M514A	Pilot's Operating Handbook And approved Flight Manual AG5B "TIGER"	\$25.00
M514B	Pilot Information Manual AG5B "TIGER"	\$28.00
M515	Parts Catalog (Pre '77) AA5 Series	\$33.00



M516	Parts Catalog ('77-'79) AA5A/B	\$36.00
M516A	Parts Catalog Supplement AG5B "TIGER"	\$34.96
M517	Maintenance Manual ('71-'79) AA5 Series	\$74.00
M517A	Maintenance Manual Supplement AG5B	\$45.00
M518	Service Manual (Pre '77)	\$33.00

GRUMMAN AMERICAN**GA7**

Part #	Description	Price
M718	Pilot's Operating Handbook GA7 "COUGAR"	\$20.00
M719	Maintenance Manual GA7 "COUGAR"	\$58.00
M720	Parts Catalog GA7 "COUGAR"	\$48.00



**DAVID FLETCHER
ANSWERS MOST
TECHNICAL
QUESTIONS**

TECHNICAL MANUALS

Part #	Description	Price
M221	Set of Service Letters AA1 & AA5 SERIES	\$58.00
M222	Set of Service Bulletins AA1 & AA5 SERIES	\$58.00
M723	Set of Service Letters & Service Bulletins GA7 "COUGAR"	\$58.00

Individual SL's or SB's are also available. Price depends on number of pages.

FletchAir, Inc	Parts Catalog	To Order Call 1.800.FA.WINGS
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SECTION 12 - SERVICING - MANUALS cont.

ENGINE MANUALS

Part #	Description	Price
M420	Overhaul manual Lycoming Direct Drive Engines	\$32.00
M421	Parts Catalog O-360 Series	\$24.72
M422	Parts Catalog O-320 Wide Cylinder Flange Series	\$24.72
M423	Parts Catalog O-235 C2C	\$24.72

LOGBOOKS

Part #	Description	Price
M246	Airframe Logbook Copy of Grumman American Original - Green	\$6.95
		
M247	Engine Logbook Copy of Grumman American Original - Red	\$6.95

SECTION 12 - SERVICING – SHOP EQUIPMENT

Part#	Description	Price
		
T210	Jack Pad, AA1 & AA5 W/ main gear strut fairings	\$47.50

Don't be unsafe by using a homemade jack! Be safe with our jack pad, specifically made for AA series Grumman's.



T2150	Auto Return Safety Wire Pliers	\$29.09
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Part#	Description	Price
		
T2162	Safety Wire 021" Stainless Steel	\$13.36
T2161	Safety Wire .032" Stainless Steel	\$13.36
T2160	Safety Wire .041" Stainless Steel	\$13.36



W268	Brake Lining Rivet Installation Tool	\$28.90
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FletchAir, Inc	Parts Catalog	To Order Call 1.800.FA.WINGS	
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SECTION 12 - SERVICING – SHOP EQUIPMENT – cont.

Part #	Description	Price
	<p>T2055 Adhesive, 3-M 1357 5 oz tube (Airfreight not available)</p>	\$7.85
	<p>X2073 Sealant, RTV Silicone 10 oz. Caulk Gun Size</p>	\$7.65

Part #	Description	Price
	<p>W212 Tow Bar AA1/AA5 SERIES</p> <p style="text-align: center;">-----</p> <p style="text-align: center;"><i>Full set not shown</i></p>	
<p>RENTAL TOOLS 75</p>	<p>Rigging Tool Set Rental Program</p> <p><i>These tools require a \$600 deposit and must be rented and returned to FletchAir all within 6 business days. Deposit refunded upon return.</i></p>	<p>\$75.00</p>

SECTION 24 - ELECTRICAL – VOLTAGE REGULATOR/OVER VOLTAGE PROTECTION

Part #	Description	Price
	<p>B501 12 Volt, AA5 Series <i>This is not your grandpa's style voltage regulator. New, solid-state design.</i></p> <p style="text-align: center;">-----</p>	\$106.00
	<p>B504 24 volt, AG5B Serial # 10038 and up</p>	\$145.50

Part #	Description	Price
	<p>B505 24 Volt, AG5B Serial # 10037 and below B-00368-15</p> <p style="text-align: center;">-----</p>	\$159.10
<p>B2031</p>	<p>40 AMP, AA1 series</p> <p style="text-align: center;">-----</p>	\$298.00
<p>B2030</p>	<p>60 AMP, AA1 series</p>	\$132.36

Let FletchAir supply all of the parts and supplies you need for your aircraft. We are the Grumman Experts!



SECTION 24 - ELECTRICAL - COMPONENTS

Part #	Description	Price
B502	Pre 1978 AA1, AA5 series Over voltage diode (install on field circuit breaker) 5402012-501	\$9.28
1N4004	Battery Relay Diode 5402012-502	\$11.09
1N4154	Master Switch Diode 5402012-503	\$11.07

**Radio noise
in your
headset?
This may be
the cure.**



B301	Alternator Static Noise Filter	\$47.12
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A2120	Flap Switch	\$67.12
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Keep dust & moisture out of your flap switch.

A2121	Flap Switch Weather Boot N1030B	\$1.30
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B204	Flap Limit Switch	\$9.19
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Part #	Description	Price
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Always be prepared, at this price it is wise to carry a spare or two!

B206	Rocker type panel switch	\$3.27
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B207	Starter Relay, 12 volt	\$31.29
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B208	Battery Relay, 12 volt	\$33.09
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WE ALSO HAVE 24 VOLT RELAYS FOR AG5B OWNERS



B2081	Split Master Switch	\$16.67
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B20605	5 AMP Circuit Breaker	\$22.65
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SECTION 24 - ELECTRICAL – COMPONENTS - cont.

Part #	Description	Price
		
B20610	10 AMP Circuit Breaker	\$22.65
		
B20615	15 AMP Circuit Breaker	\$22.65
		
B20620	20 AMP Circuit Breaker	\$22.65

Part #	Description	Price
		
B20660	60 AMP Circuit Breaker	\$34.26
B511	8 OHM Speaker 76 AA5A/AA5B 2 required	\$23.84
B214	Battery Box Top AA1 – AA5B	\$42.29
402012-505	Battery Box AA1 – AA5B	\$88.57
MS35489-100	Grommets for above	\$1.68
P202	Ignition Switch AA1 – AA5B	\$166.72
TIGM61-1C-WH-FN	Map/Dome Light Switch	\$9.89



Jace
Masters is
available
for Parts
support.

SECTION 25 - EQUIPMENT AND FURNISHINGS

INSTRUMENT PANEL COMPONENTS

Part #	Description	Price
		
A2010	Black Instrument Panel Overlay 102340-3 AA1 – AA5B	\$154.80

Part#	Description	Price
		
A202	Black Lower Instrument Panel Overlay 5102315-503 AA1 – AA5B	\$35.50

Don't forget the overlay placards sold on page 5.

All Moldings require some trimming before installation.

SECTION 25 - EQUIPMENT AND FURNISHINGS - cont.

INSTRUMENT PANEL COMPONENTS cont.

Part #	Description	Price
		
A2030	Black Glove Box Door 102360-7 AA1 – AA5B	\$38.99
		
A2033	3-sided Preformed Glove Box 102318-501 AA1 – AA5B	\$12.00
		
A512	Black Upper Glareshield 5102338-1 AA1 – AA5B	\$168.48
		
A213	Black Lower Glareshield 5102338-2 AA1 – AA5B	\$78.82
A462	Glareshield Nut Plates	\$2.35/ea

**Remember to order
your new tire
pressure placard!**

MS24693BB29	Brass Screws for Instruments	\$0.26/ea
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A3236-012-24A	Counter-sunk washer for 100° Countersunk Screw	\$0.25/ea
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***Have you checked your instrument bulbs?
See page 43***

INTERIOR TRIM/PLASTIC MOLDINGS AA1 SERIES

Part #	Description	Price
		
A106	Overhead Speaker Molding 102344-54 AA1 Series	\$135.00
		
A1070	R/H Rear Window Molding 102344-49 AA1 Series	\$92.77
A1071	L/H Rear Window Molding 102344-48 AA1 Series	\$92.77

**All Moldings require some trimming before installation.
Our plastics are manufactured using original OEM tooling; from thicker,
stronger materials, for long life. Guaranteed to fit, or your money back.**

FletchAir, Inc	Parts Catalog	To Order Call 1.800.FA.WINGS	
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SECTION 25 - EQUIPMENT AND FURNISHINGS – cont.

**INTERIOR TRIM/PLASTIC MOLDINGS
AA5 SERIES**

Part #	Description	Price
		
A508	Canopy Latch Cover 5102344-54	\$27.35

		
A5081	L/H Canopy Windows Molding 5102344-61	\$145.80
A5082	R/H Canopy Windows Molding 5102344-62	\$145.80

*Ask about our surplus window molding,
while supplies last.*

		
A5083	Center Canopy Molding 5102344-53	\$49.20

Part #	Description	Price
		
A5084	R/H Rear Window Molding (1974 and on) 5102353-6	\$110.80

A5085	L/H Rear Window Molding (1974 and on) 5102353-5	\$110.80
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5102338-502	R/H Forward Upper Molding AA5 – AA5B	\$28.50

		
5102338-503	L/H Forward Upper Map/Dome light switch Molding AA5 – AA5B	\$28.50



**Don't
despair,
Call
FletchAir!!!**



**Order your
fuel selector
placard on
page 5.**



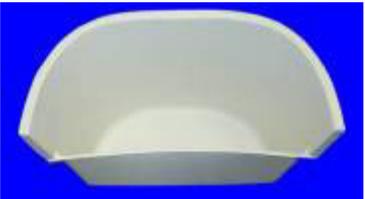
5102344-34	Console Front (fuel gauge) AA5 – AA5B	\$45.00
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All Moldings require some trimming before installation.

SECTION 25 - EQUIPMENT AND FURNISHINGS - cont.

INTERIOR TRIM/PLASTIC MOLDINGS AA5 SERIES

Part #	Description	Price
		
5102344-23	Console Center (for trim wheel) AA5 – AA5B	\$50.15
		
5102344-36	Console Aft (spar cover) AA5 – AA5B	\$72.00
		
5102344-32	Panel, R/H center console sidewall AA5 – AA5B	\$57.95
5102344-33	Panel, L/H center console sidewall AA5 – AA5B	\$57.95
		
5102353-49	L/H Rear sidewall panel AA5 – AA5B	\$90.11
5102353-50	R/H Rear sidewall panel	\$90.11

Part #	Description	Price
		
5102353-7	Baggage Door Panel 1975 AA5 – AA5B	\$58.54
		
5102353-48	Rear Baggage Enclosure 1975 AA5 – AA5B	\$113.64
		
5102373-511	Inspection plate cover baggage enclosure 1975 AA5 – AA5B	\$11.63
PC47295	Installation clips for above 6 required.	\$0.85
		
5102353-28	Sill for Hat Shelf 1975 AA5 – AA5B	\$21.81
		
5102353-1	Hat Shelf	\$152.16



**A
baggage
door
seal.
See
page 28.**

All Moldings require some trimming before installation.



SECTION 25 - EQUIPMENT AND FURNISHINGS – cont.

INTERIOR TRIM MISC

Part # Description Price



A511 AA5 Series Aluminum Armrest Support \$20.00
Better stronger design than original. PMA approved

Part # Description Price



U202 Wire Clip Retainer For Shoulder Harness 8769517 \$4.70

SEAT PARTS

Part # Description Price



NEW item!
 Previously unavailable.

5102328-35 Outer Seat Track \$72.68
 AA5 – AA5B (part not shown actual size)



510238-7 Inner Seat Track \$26.64
 AA5 – AA5B (part not shown actual size)



102348-1 Ball Bearing Retainer Seat track \$43.93
 AA5 – AA5B (part not shown actual size)



NEW
 for 2004!
 Previously unavailable.

5102328-36 Seat Pan AA5 Series \$144.90

Part # Description Price



102348-4 AA1 Series Inboard Seat Track \$81.81

102348-2 AA1 Series Outboard Seat Track \$36.35

A2906 Ball Bearing for Seat Track Grade #4 \$0.89



A2913 Rubber End Cap Seat Adjustment Handle D4410 \$1.75



A1919 AA1 Seat Adjustment Handle Spring 102336-1 \$3.50



SECTION 27 - FLIGHT CONTROLS

FLIGHT CONTROLS

Part #	Description	Price
		
A5281	AA1/AA5 Inboard Elevator Bearing Support 902010-502	\$49.50

		
A230	Rudder Pedal Pivot Plug 601029-1	\$8.51

		
5901005-2	Drive Bolt, Flap Control Arm	\$8.78

Part #	Description	Price
		
601029-1	Bushings C Rudder Bar/Flap Torque Tube All AA1, AA5 Series aircraft.	\$21.48

		
A5135	Flap Center Torque Tube 5604008-503 AA5A/5B	\$175.80



ELEVATOR TRIM CONTROLS

Part #	Description	Price
		
601053-2	Rudder Return Spring AA1 – AG5B	\$3.83

Must be replaced every 1000 hours.
Don't allow a broken spring to ground you – carry a spare!

Part #	Description	Price
		
607012-1	Roller, Elevator Trim Arm AA1 – AG5B	\$20.72
		
607012-2	Bushings, Elevator Trim Arm AA1 – AG5B	\$19.44



SECTION 27 - FLIGHT CONTROLS – cont.

ELEVATOR TRIM CONTROLS – cont.

Part #	Description	Price
		
A2150	Trim Wheel Gear (Undrilled) 607007-3 AA1 – AA5B	\$14.25

		
A2151	Trim Pinion Gear (Undrilled) 607010-3 AA1 – AA5B	\$14.25

		
607004-502	AA1 Series Bungee Housing Wear limit .016 as per AD 72.07.10	\$112.64

		
A2160	AA1 Bungee Guide Assembly 602110-2	\$27.85

Part #	Description	Price
		
5302026-9	'72-'75 AA5 L/H Trim Arm	\$59.48
		
5302026-10	'72-'75 AA5 R/H Trim Arm	\$59.48

		
5302026-15	'75-'79 AA5A/AA5B L/H Trim Arm	\$60.51
		
5302026-16	'75-'79 AA5A/AA5B R/H Trim Arm	\$60.51

Bungee guide assembly is a major source of maintenance neglect. Don't let a worn guide cost you hundreds of dollars!





SECTION 27 - FLIGHT CONTROLS – cont.

ELEVATOR TRIM CONTROLS – cont.

Part #	Description	Price
--------	-------------	-------



5302053-502	AA5A/AA5B Actuator for Trim Screw	\$143.06
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A2157	4LI-FF Nyliner Bearing For Flex Shaft at Trim Wheel	\$1.15
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A2156	AA5A/AA5B Yoke, trim Trim bellcrank 5302053-503	\$63.70
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Part #	Description	Price
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A2152	Trim Flex Coupling 607010-2	\$29.58
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A5158	Undrilled Control Sprocket 5603068-3	\$11.61
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A5159	Undrilled Control Sprocket 503068-1	\$12.03
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**Juan in shipping
gets your orders
out fast**



SECTION 27 - FLIGHT CONTROLS – cont.

CONTROL COLUMN

Part #	Description	Price
5603068-2	 Aileron Control Sprocket	\$78.12

A261	 AA1/AA5 series control wheel NO shaft or rivet 602108-1	\$49.18
SX1015	PTT Grips control wheel	\$127.77

602113-1	 Steel Rivet to attach control wheel	\$1.00

A262	 Short Control Wheel Shaft With Horizontal hole 602109-1	\$28.70

Part #	Description	Price
A264	 Bushing, Control column shaft For AA1, AA1A, AA1B(0001-0237) AA5(0001-0405) 602110-1	\$16.88

A265	 Control Column Bushing and "eyeball" swivel assembly-2 pieces AA1B(0238 and on) through AA1C's AA5(0406 and on) through AA5B. 602117-501	\$36.09
<p>Assembled view Disassembled View</p>		
<p>FIX CONTROL COLUMN PLAY WITH BUSHING ASSEMBLIES FROM FLETCHEIR.</p>		
A266	 Lock Sleeve, pilot-side control Column shaft 602118-1 (4 rivet holes for mounting)	\$14.57



SECTION 27 - FLIGHT CONTROLS

CONTROL COLUMN

Part #	Description	Price
--------	-------------	-------



A267	Gust Lock All AA1's and AA5's 602111-501	\$5.42
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A268	Sleeve for sprocket on control Column shaft 602104-3	\$2.50
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A569	"T" shape, AA5 series control column 5602102-501	\$175.00
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5602110-1	Control Wheel Rubber cover/pad	\$22.00
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CONTROL SURFACE BEARINGS

Part #	Description	Price
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	A251	A252	A250	A253
A250		Bronze/Teflon Bearing All AA1's/AA5's 902013-1		\$8.14
A251	Bronze/Teflon Bearing All AA1's/AA5's 902013-2			\$11.36
A252		Bronze/Teflon Bearing All AA1's/AA5's 902013-3		\$11.36
A253			Bronze/Teflon Bearing All AA1's/AA5's 902013-4	\$12.54

Email David Fletcher

Airmaster
@fletchair.com



SECTION 27 - FLIGHT CONTROLS

CONTROL SURFACE TORQUE TUBE REPAIR

**AA1-AG5B SERIES AIRCRAFT –
OUTBOARD AILERON TORQUE TUBE REPAIR**

Part #	Description	Price
--------	-------------	-------



904003-2	Oversize stainless Steel Sleeve	\$42.08
----------	---------------------------------	---------



904003-3	Oversize Bearing	\$32.40
----------	------------------	---------



904003-5	Oversize Shim	\$25.11
----------	---------------	---------

904003-4	Oversize chamfered spacer Not Available Must enlarge ID on your 902014-1 spacer	n/a
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**AA1-AG5B SERIES AIRCRAFT –
UPPER RUDDER TORQUE TUBE REPAIR**

Part #	Description	Price
--------	-------------	-------



904003-1	Oversize Stainless Steel Sleeve	\$35.15
----------	---------------------------------	---------



904003-3	Oversize Bearing	\$32.40
----------	------------------	---------



904003-5	Oversize Shim	\$25.11
----------	---------------	---------

904003-4	Oversize Chamfered Spacer NOT AVAILABLE Must enlarge ID on you 902014-1 spacer	n/a
----------	--	-----

Did you know?

The wear limits on control surface torque tubes is limited to 29.029 reduction in wall thickness. Avoid cost and repair; protect your torque tubes by installing service kit SK121A listed on page 24.



SECTION 27 - FLIGHT CONTROLS – cont.

CONTROL SURFACE TORQUE TUBE REPAIR

**AA1-AG5B SERIES AIRCRAFT –
LOWER RUDDER TORQUE TUBE REPAIR**

Part #	Description	Price
		
904003-2	Oversize stainless Steel Sleeve	\$42.08
		
904003-3	Oversize Bearing	\$32.40
		
904003-5	Oversize Shim	\$25.11
904003-4	Oversize chamfered spacer Not Available Must enlarge ID on your 902014-1 spacer	n/a



**AA1 THROUGH 1975 AA5 TRAVELER
INBOARD OR OUTBOARD ELEVATOR TORQUE
TUBE REPAIR**

Part #	Description	Price
		
904003-1	Oversize Stainless Steel Sleeve	\$25.11
		
904003-3	Oversize Bearing	\$32.40
904003-5	Oversize Shim See photo at left	\$25.11
904003-4	Oversize Chamfered Spacer NOT AVAILABLE Must enlarge ID on you 902014-1 spacer	n/a
		
R C/609	Loctite Retaining Compound .34 fl oz	\$23.40
SK121A	Copy of Service Kit 121A	\$5.00



SECTION 27- FLIGHT CONTROLS – cont.

FLAPS



A2120 Flap Switch AA1's – GA7 \$67.12



A2121 Weather Boot for Flap Switch \$1.30
Keep dirt out and prolongs the life of your costly flap switch.



B204 Flap Limit Switch \$9.19

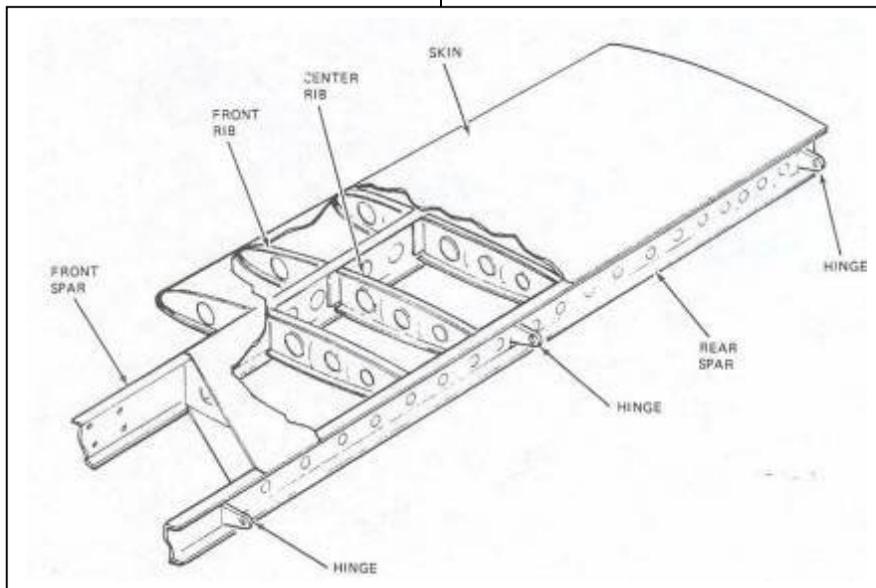
We also have flap switch handles.

A5137 91.5" Flap Position Indicator Cable \$20.00

A1131 Slip nut for AA1 flap clutch \$9.33



A5135 Flap Center Torque Tube AA5A/AA5B \$238.66





SECTION 28 - FUEL

Part # Description Price



401126-1 Electric Fuel Pump \$180.00
AA1 – AA5B, FAA/PMA



F501 24 volt AG5B Electric Fuel Pump \$129.97
ES2100-1-54100

Our fuel pumps have been functionally tested and certified to meet the Grumman American specifications. Multiple stage checks ensure quality and reliability prior to approval.



479136 Gasket for above Electric Fuel Pumps \$4.96



F2031 Fuel filter for above Electric Fuel Pumps \$5.27
479729

Part # Description Price



F203 Mechanical Fuel Pump \$195.00
40925 Original pump used on AA1 – AA5B



Stiff or leaking fuel selector? Try this inexpensive repair.

F2060 Fuel Selector valve \$5.00
O-Ring and lubricant "kit"



F507 Inboard Fuel Drain w/out extension \$21.11
Pre '78 AA5 series

Carry a spare!



F207 Inboard Fuel Drain w/ extension \$11.25
All AA1 and '78-'79 AA5A/AA5B



Avoid those awful fuel stains...replace dripping drains!

F208 Outboard Fuel Drain \$22.21
All AA5 series and GA7



SECTION 28 – FUEL – cont.

Part #	Description	Price
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F511	Mechanical Primer for AA5 series FAA/PMA K2403-2	\$114.92
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F5110	Repair kit for Mechanical Primer	\$5.00
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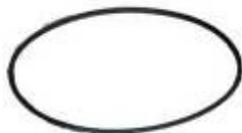
Have your Fuel float balls lost their buoyancy? Don't forget the u-cup seals.



F113	Float Balls for fuel gauge AA1 series (red) 401129-5	\$3.29
------	--	--------



14-2	U-cup seal for AA1 fuel gauge	\$3.88
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F115	O-Ring for AA1 series Fuel tank end plate	\$4.65
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Part #	Description	Price
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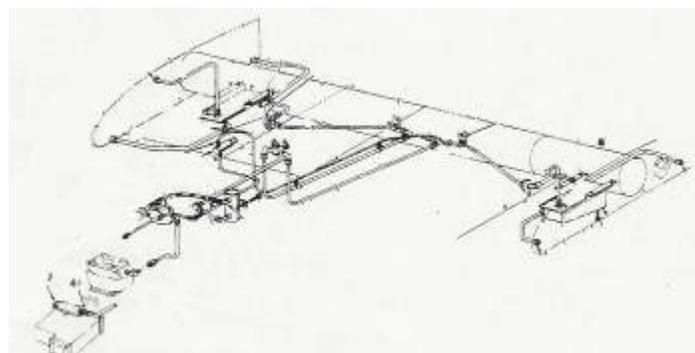
5901009-1	Overhauled AA5 series fuel quantity transmitter sold "exchange" for core unit only	\$156.52
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I5451	Gasket for AA5 series Fuel quantity transmitter 5201001-9	\$4.26
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F2083	O-Ring (Large) for "flush type" Fuel cap	\$2.07
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F2084	O-Ring (small) for "flush type" Fuel cap	\$0.77
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SECTION 28 – FUEL – cont.

Part # Description Price



F20856 Fuel Cap 1969-1978 with fixed handle \$25.00

Part # Description Price



F2085 Gasket for F20856 fuel cap \$2.63

Keep water out of your fuel tank, replace those old gaskets.



FUEL TANK SEALANT

Part # Description Price



F520 1 pint kit high adhesion kit For use inside fuel tank \$36.24



F521 1/2 pint kit high adhesion kit For use inside fuel tank \$19.78

Part # Description Price



F524 6 oz. Sem kit, low adhesion sealant For inspection plates (one Sem kit does 4 plates) \$38.56

We have screws and sealed nut plates for inspection panels as well.





SECTION 30 – WEATHER PROTECTION

SEALS

Part #	Description	Price
G201	 Double Beaded Windshield Bow seal AA5 series Helps to prevent air and water leaks.	\$12.15
G502	 Forward canopy bow seal AA5 series	\$16.12
G203	 Single Beaded windshield bow seal AA1 and early AA5 series	\$11.85
G204	 White fuselage to canopy seal All AA series	\$5.30
G205	 Black canopy to fuselage seal All AA series	\$5.30

Part #	Description	Price
--------	-------------	-------

As a licensed A&P, John Cook can answer your maintenance questions.



G507	Hollow core, quarter-rounded Baggage door seal, AA5 series	\$12.50
G208	 G208 1"	
G209	 G209 1 1/2"	
G208	1" wide wing root seal All AA1's and Pre '77 AA5's	\$17.40
G209	1 1/2" wide wing root seal Late AA5's and optional for all AA1's and early AA5's	\$19.80
G2102	Red, high temp silicone 3" x 9' x 3/32" roll of engine baffle seal	\$89.00

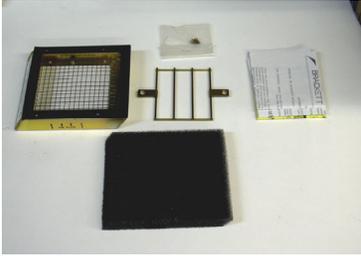
GRUMMAN AMERICAN





SECTION 30 – WEATHER PROTECTION – cont.

FILTERS AND ELEMENTS

Part #	Description	Price
P250	 AA1 through '74 AA5 *STC'd to replace the original factory assembly	\$34.44

P251	 Foam element for P250 assembly	\$5.87
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P252	 Foam Element for 1975 AA5 Traveler And all AA5A's	\$11.74
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P253	 Foam element AA5B's and GA7's	\$13.90
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Part #	Description	Price
P254	 Foam element with wire screen center For AA5B's and GA7's	\$20.81



Don't let bad weather slow you down.

5500015-1	 Plate, carb side w/cut out for AA5B filter assembly	\$49.30
3300015-2	 Plate, outboard side, no cut out for AA5B filter assembly	\$49.30



**New and Improved!!!
Air Filter
retention plates.**

**Sold in sets only.
Not available individually**



SECTION 30 – WEATHER PROTECTION – cont.

FILTERS AND ELEMENTS – cont.



Part #	Description	Price
MS24694S82	Screw for "-1" and "-2" plates	\$0.85 each
A10K130	Rivnut for "-1" and "-2" plates	\$0.25 each
X2074	Foam sealing tape For "-1" and "-2" plates	\$4.50



P256	Foam element for AG5B	\$9.52
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Part #	Description	Price
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P2571	AA5A air filter element RETENTION SCREEN (2 required) To comply with AD81-24-03 and Service Bulletin #170	\$22.73 each
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5503006-11	Retainer straps for retention screens (8 required)	\$1.35 each
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A1601	Rivets for Retainer straps above. (16 required)	\$0.28 each
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P2572	Warning Placard for filter element On all AA5, AA5A, and AA5B. Required by AD 81-24-03	\$4.50 each
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**FletchAir is a
proud supporter of the AYA**





SECTION 30 – WEATHER PROTECTION – cont.

FILTERS AND ELEMENTS

Part #	Description	Price
		
P258	Main Vacuum System filter Replace every 400 hours	\$20.25

Part #	Description	Price
		
P259	Vacuum system regulator filter Replace every 100 hours	\$2.25

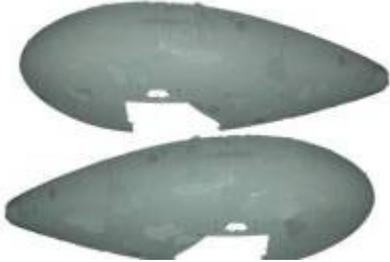
SECTION 32 – LANDING GEAR

WHEEL FAIRINGS

Part #	Description	Price
W241	Fiberglass Wheel Fairing Kit *Kit does not include fiberglass fairings Includes hardware to complete installation.	\$987.00
		
W238	Nose Wheel Fairing Shell, Fiberglass	\$162.19

Replace your old plastic fairings with our new



Part #	Description	Price
		
W239	L/H main wheel fairing shell, fiberglass	\$162.19
		
W240	R/H main wheel fairing shell, fiberglass	\$162.19
		
W219	L/H Brake cover, plastic '75 AA5 – AG5B	\$150.84
W220	R/H Brake cover, plastic '75 AA5 – AG5B	\$150.84



SECTION 32 – LANDING GEAR

WHEEL FAIRINGS

Part # Description Price



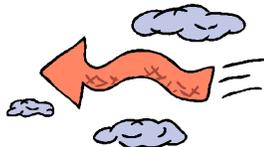
5701050-9 L/H fuel sump cover, plastic \$158.08
'75 AA5 – AG5B

5701050-10 R/H fuel sump cover, plastic \$158.08
'75 AA5 – AG5B



W222 Main Gear Strut fairing \$38.40
(1 pair for one gear leg)
'75 AA5 – AG5B

Streamline your Main Landing Gear legs.



W226 Flex bolt for main gear fairing \$7.12

Part # Description Price



W221 "V" shaped nose strut fairing \$14.23
AA1 – AG5B



W242 R/H nose fairing attach bracket \$67.22

W243 L/H nose fairing attach bracket \$67.22



W244 Nose fairing top seal retainer \$24.38
Ring



W2441 Nose fairing top seal \$3.50



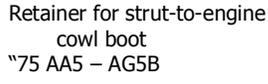
The TA Tiger 2002 Wheel View



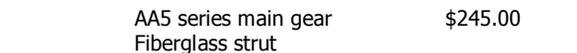
SECTION 32 – LANDING GEAR

WHEEL FAIRINGS

Part #	Description	Price
		
W230	Nose Gear strut-to-firewall Boot	\$28.89
		
702060-1	Retainer for strut-to-firewall boot	\$26.00

Part #	Description	Price
		
5702002-3	Nose Strut-to-lower engine cowl boot "75 AA5 – AG5B	\$288.60
		
5702002-2	Retainer for strut-to-engine cowl boot "75 AA5 – AG5B	\$26.38

LANDING GEAR COMPONENTS

		
W146	AA1 series main gear Fiberglass strut	\$310.00
		
W545	AA5 series main gear Fiberglass strut	\$245.00

		
W2331	Nose gear strut	\$725.00



Ask about our tool-aid to assist in removal.

		
W233	Nose gear Torque Tube *Core Charge of \$800.00 applies.	\$1050.00

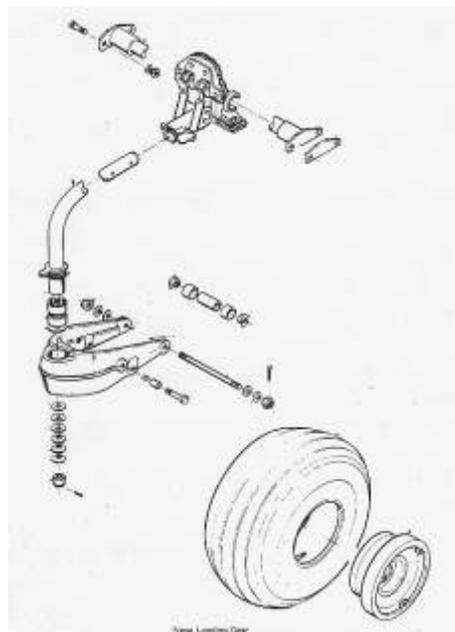


SECTION 32 – LANDING GEAR – cont.

LANDING GEAR COMPONENTS

Part #	Description	Price
W269	 Nose Fork with bushings Installed Core Charge applies	\$295.00
W249	 Nose Fork Bearing 2 required	\$28.80
W250	O-Ring seal, nose strut To fork	\$1.48
W2272	 Shock strut bushing	\$7.89
W229	 1/16" thin thrust washer As required	\$2.98

Part #	Description	Price
W2291	 1/8" thick thrust washer As required	\$3.47
W227	 Nose Gear shock strut '77 to '79 AA5's	\$92.64
5702003-13	Nose Gear shock strut AGAC	\$167.27





SECTION 32 – LANDING GEAR – cont.

LANDING GEAR COMPONENTS

Part #	Description	Price
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W2271	Yoke for Lower shock mount	\$197.37
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W272	Upper Firewall shock mount	\$74.56
------	----------------------------	---------



W251	Nose Wheel Axle Bolt	\$36.08
------	----------------------	---------



W252	Nose Axle Tube	\$34.43
------	----------------	---------

Part #	Description	Price
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W253	Nose Axle Plug	\$9.98
------	----------------	--------



702053-5	Nose Axle Spacer	\$28.16
----------	------------------	---------



W254	Nose Tow Pin, Post 1977	\$9.38
------	-------------------------	--------

W228	Nose Gear Bellville Washers	\$1.24
------	-----------------------------	--------

Help to maintain desired tension and reduce nose wheel shimmy.



SECTION 32 – LANDING GEAR – cont.

WHEEL BEARINGS

Part # Description Price



W215 Nose Wheel Bearing \$19.12



W214 Nose Wheel Bearing Race \$9.04



Our wheel bearing and races are FAA-PMA approved.

BRAKE COMPONENTS

Part # Description Price



W206R Steel Brake Disc, AA1-AG5B \$72.50

Frequent inspection helps maintain effective braking.
Minimum Thickness .205



W209 Brake Re-Lining Kit \$24.50
4 linings and 8 rivets AA1-AG5B

Part # Description Price



W213 Main Wheel Bearing \$27.95



W217 Main Wheel Bearing Race \$10.18

Part # Description Price



W257 1 3/4" Brake Caliper \$127.25
All AA1 series; '72-'74 AA5's



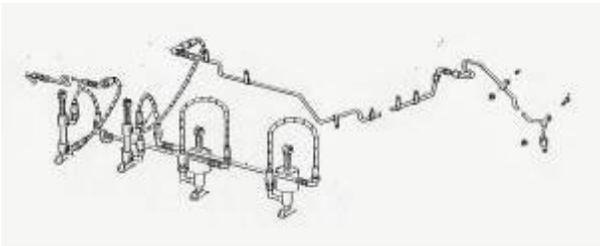
W258 1 3/4" Piston for W257 caliper \$25.96



SECTION 32 – LANDING GEAR – cont.

BRAKE COMPONENTS

Part #	Description	Price
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Brake Schematic

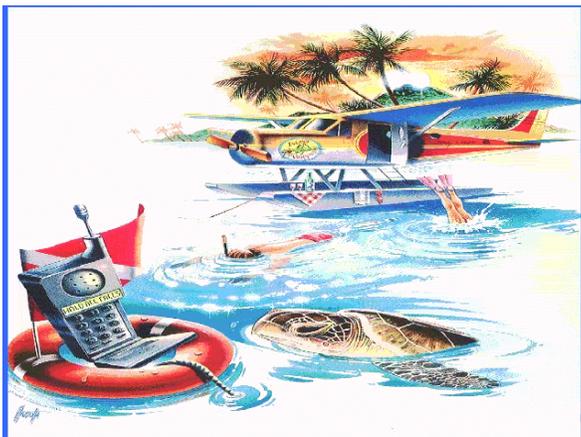
W259	1 3/4" O-Ring for W258 Piston	\$1.24
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W260	2" Brake Caliper 1975 and on AA5 series	\$127.25
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W261	2" Piston for W260 caliper	\$23.95
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W262	2" O-Ring for W261 Piston	\$1.24
------	---------------------------	--------



Part #	Description	Price
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W270	Brake Master Cylinder Pilot side. Provision for pre-1978 Parking brake not available	\$244.00
------	--	----------

Why overhaul?
Install new cylinders and eliminate your braking worries.



W271	Brake Master Cylinder Co-Pilot side	\$179.73
------	--	----------



W706	Steel Brake Disc, GA-7 Cougar	\$159.54
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W710	Short Brake Lining, GA-7 Requires 4 each as well as 2 each of W711	\$7.86 (ea)
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SECTION 32 – LANDING GEAR – cont.

BRAKE COMPONENTS

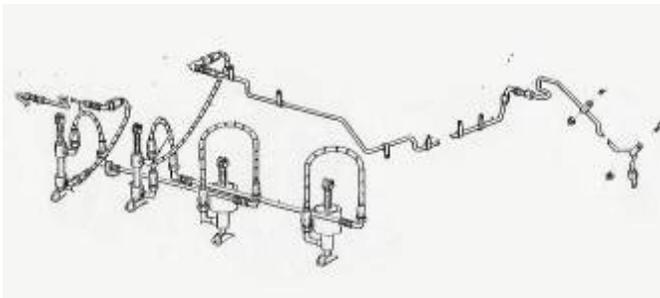
Part # Description Price



W711 Long Brake lining, GA-7 \$15.60 (ea)
Requires 2 each as well
As 4 each of W710

W263 Back Plate with Lining \$44.00

W264 Pressure Plate with Lining \$21.00



Brake Schematic

We also supply brake hoses!!



W265 Bleeder Seat \$6.20
081-00100

Part # Description Price



David Fletcher gladly responds to all Grumman Gang issues and questions.



W2651 Bleeder Screw \$4.90
079-00300



W201 Torque Plate \$120.00
075-05600



W202 Anchor Bolt \$13.00
069-00400



Good caliper alignment helps prevent a sticking brake.

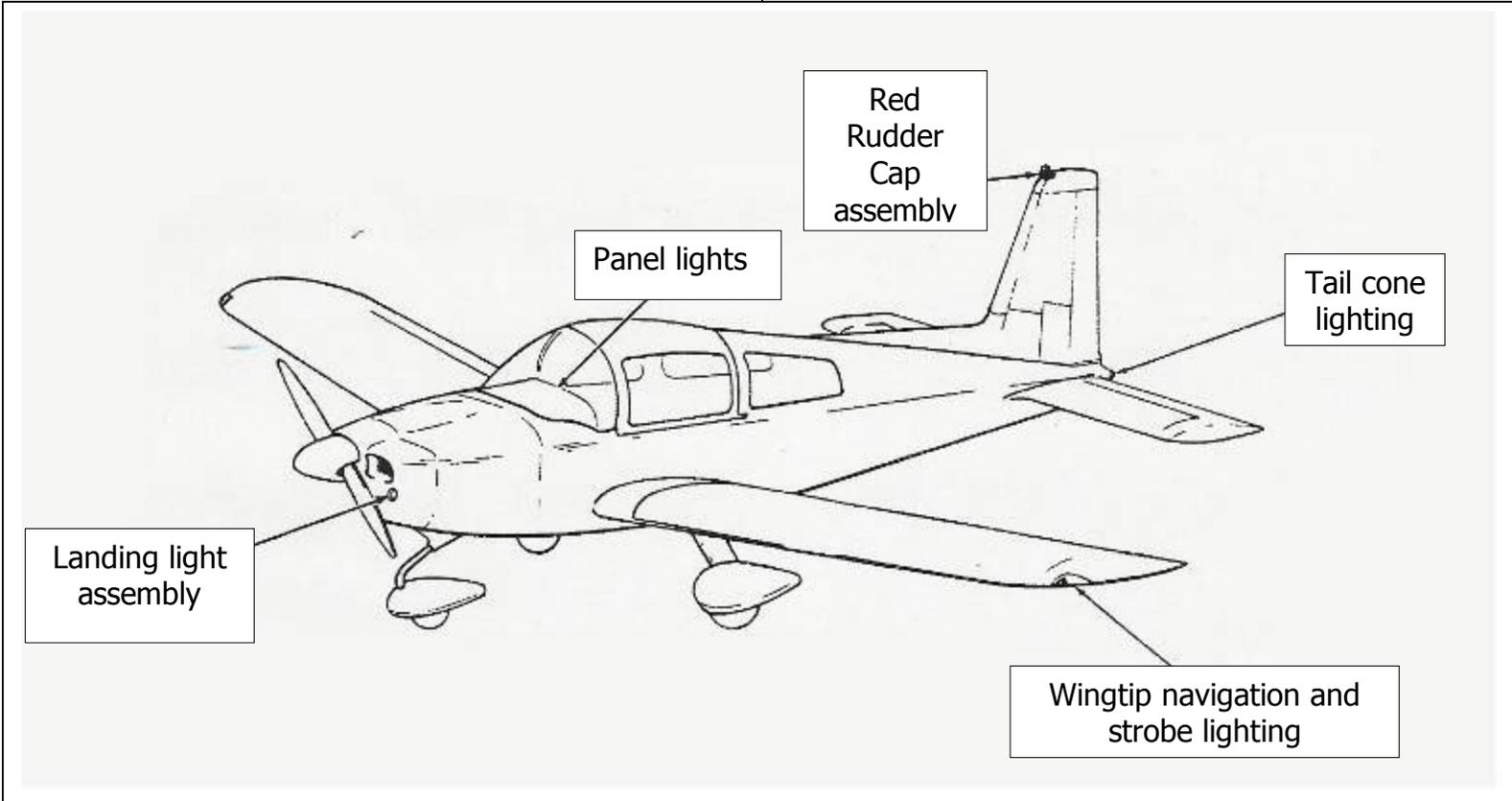


SECTION 33- LIGHTING

LANDING LIGHTS

Part # Description Price

Part # Description Price



229	Landing Light cover AA1 Series, .060" thick	\$24.69

228	Landing Light cover AA5 Series, .060" thick Extends visibility.	\$24.69

R202	Single Wingtip Landing Light Kit, all AA series, STC'd	\$275.00

R203	Dual Wingtip Landing Light Kit, all AA series, STC'd	\$497.00

200005-1	Lens, L/H for R202 or R203 7 1/2" x 10 5/8"	\$45.45

200005-2	Lens, R/H for R202 or R203 7 1/2" x 10 5/8"	\$45.45

5201181-18	Lens, R/H for AG5B 4 1/2" x 10 5/8"	\$64.29

5201181-19	Lens, L/H for AG5B 4 1/2" x 10 5/8"	\$64.29



SECTION 33- LIGHTING – cont.

LANDING LIGHTS

Part #	Description	Price
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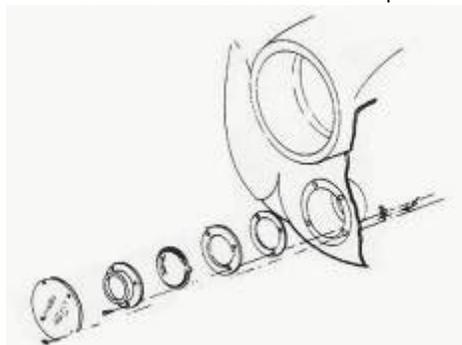
L210	Landing Light Bulb, 12 volts, For nose cowling landing lights and R202/R203 conversions kits.	\$14.36
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L227	Bulb, AG5B wingtip landing light Serial # AG5B-99998, 10000 – 10043 64156	\$19.50
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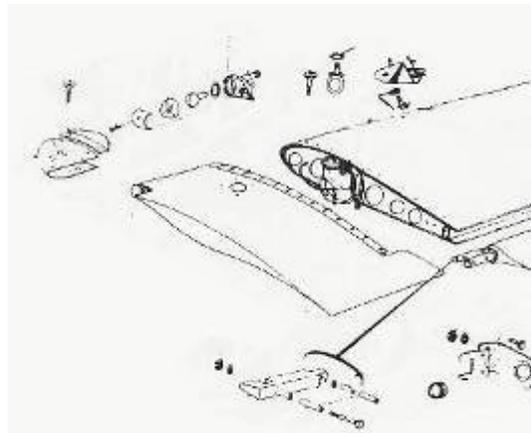
01-0770346-01	Landing Light Assembly, AG5B wingtip Serial # AG5B 10044 and subsequent	\$57.00
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Nose Cowling Landing Light Assembly Diagram AA5 Series

NAVIGATION/POSITION LIGHTS

Part #	Description	Price
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208	Cover, L/H navigation light Wingtip AA1 – AG5B	\$36.96
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209	Cover, R/H navigation light Wingtip AA1 – AG5B	\$36.96
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L217	Lamp, clear, nav. Light Wingtip 12-volt	\$17.20
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L224	Lens, Green, ,R/H nav. light Wingtip	\$21.27
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L225	Lens, Red, L/H nav. Light Wingtip	\$21.27
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L226	Lens, Clear, Position light Tail Cone	\$21.27
------	--	---------

L212	Lamp, Clear, Position light Tail Cone 12-volt	\$7.29
------	--	--------

Inspect for proper installation.

Green – Right side

Red – Left side

Clear – Tail section





SECTION 33- LIGHTING – cont.

NAVIGATION/POSITION LIGHTS

Part #	Description	Price
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L201	12-volt Strobe Light Kit, Wingtips Aeroflash. Includes 2 power supplies, 2 strobe light assemblies and switch.	\$286.80
------	--	----------

This Kit duplicates Grumman American factory installation. Most of the Grumman American Aircraft from 1974 on were factory wired for this kit.



L202	12-volt Power Supply, strobe, for L201 Strobe light kit.	\$88.20
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L203	12-volt Strobe lamp assembly with Clear lens for L201 strobe light kit.	\$78.45
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Part #	Description	Price
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L220	12-volt Strobe Light Kit, Tail cone Per WHELEN STC #SA800. Strobe lamp assembly replaces factory unit. Power supply mounts near ELT. Two-piece strobe head assembly glows steady white and strobe sequence simultaneously.	\$534.00
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L205	12-volt Power Supply, strobe, for L220 strobe light kit.	\$236.32
------	--	----------

L206	12-volt Strobe/Position light assembly For L220 strobe light kit	\$188.00
------	--	----------



**Fletcher Aviation's
flight school
operates Grumman
Cheetah, and Tiger.
Come get your check
out today!!**



SECTION 33- LIGHTING – cont.

NAVIGATION/POSITION LIGHTS

Part # Description Price



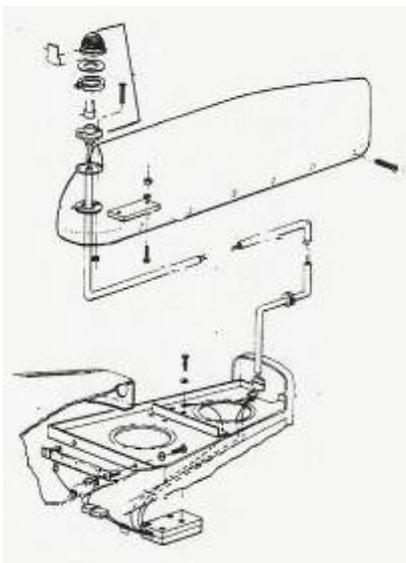
L209 12-volt Lamp, clear, flashing beacon
On Rudder cap \$19.50



L2091 Lens, Red, Flashing beacon
On Rudder cap 111-0001 \$15.66

L2093 Gasket for the above lens
Seals and protects the beacon \$7.64

L2092 Socket Base for above lens
Bulb 073-0021 \$11.36



Part # Description Price



L2081 Clamp, red lens, flashing
Beacon on rudder cap \$8.13



L223 Power Supply, flashing beacon
Pre- 1979 Grumman \$108.00



L208 Power Supply, flashing beacon \$77.45
For '79 aircraft or Pre '79 modified
With SK147



B3156 "Red Rudder Cap" STC kit \$324.00
Replaces beacon-type rudder cap and flashing beacon light assembly
with clear "aviation red" Lexan rudder cap and hardware to move beacon
base/socket to top rib of rudder. Results in clean, slick modern look.



SECTION 33- LIGHTING – cont.

INTERIOR LIGHTING

Part # Description Price



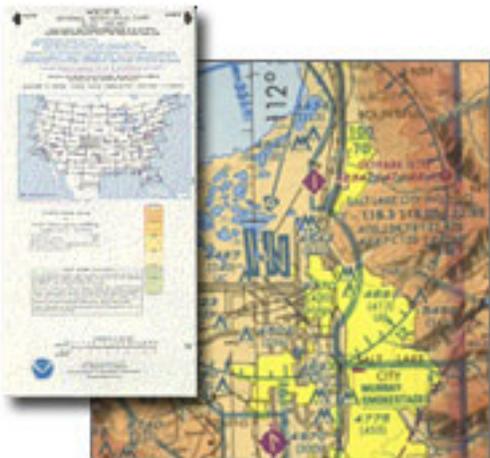
L2140 Lamp, Instrument panel lights And dome light (12 volt) \$1.54



L2141 Socket, for instrument panel Lights \$4.28

L215 Lamp, compass lighting 12 volt \$1.61

L2160 Lamp, for original "goose neck" Map light assembly 12 volt \$2.62



Part # Description Price



L2161 Light shield for original "goose neck" map light assembly \$7.20



LF18ERB New 18" "flexlight" flexible Map light assembly with light Intensity control, 12 volt Halogen light \$87.14

64405 Bulb, for Flex light, 12 volt \$6.00

272-1141A Lamp Assembly, fuel gauge 12 volt \$3.50

GE73 Bulb, Alternator Warning light \$2.12



SECTION 33- LIGHTING – cont.

EMERGENCY LOCATOR TRANSMITTER

Part # Description Price



I256 Battery for NARCO ELT-910 transmitter \$35.00

I2551 External whip antenna For ELT-910 \$118.00

Part # Description Price



I2552 Antenna, pull-out band-type For ELT-910 \$47.14



INSTRUMENTS/ENGINE INDICATING

Part # Description Price



I236 Hour Meter, 3-hole mount \$67.74



I237 Switch, oil pressure for Hour meter activation \$32.20

Part # Description Price

I244 Fuel Quantity Gauge, Overhauled exchange, all "AA5" series 12 volt \$124.38





SECTION 33- LIGHTING – cont.

INSTRUMENTS/ENGINE INDICATING



* Core Charge of \$100.00 applies to all gauges.

I240 Oil Pressure Gauge, Overhauled \$124.38
exchange all "AA" Series 12 volt

I241 Oil Temperature Gauge \$124.38
Overhauled exchange, all "AA" series
12 volt

I243 Fuel Pressure Gauge, overhauled \$124.38
exchange all "AA" series 12 volt

I238 Amp Meter, overhauled \$123.52
exchange for AA1 and AA1A

I239 Amp Meter, overhauled \$117.86
exchange for AA1B through AA5B



5901009-1 Fuel Quantity transmitter \$156.52
overhauled exchange. Used on all AA5
series except AG5B
Core Charge Applies



362EX Probe, Oil Temp \$15.93
for Testing only



Don't be forced to drill a hole in your new windshield, install a Digital OAT gauge instead.

I203 Digital outside Air Temp Gauge \$130.00
12-28 volt. Specify F° or C°



I2101 Compass overhaul kit. \$25.75
Includes diaphragm and both gaskets
(No compass fluid included)



I210 Compass, lighted \$192.70
Mounts on windshield bow 12 volt

I209 Compass, panel mounted. \$125.93
NOT LIGHTED



SECTION 52 - DOORS

AA1 SERIES CANOPY LATCH PARTS

Part #	Description	Price
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A1370	Spring	\$11.16
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A1371	Roller	\$16.70
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A1372	Retainer	\$24.78
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A1373	Outside Latch Handle Undrilled	\$15.00
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AA1 Canopy diagram



Part #	Description	Price
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A1374	Bearing Block at windshield bow	\$15.00
-------	---------------------------------	---------



A1377	Lock Knob, Canopy	\$2.20
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Ask about our roll pin installation.

A5400	Roll Pin To secure track runners	\$0.45
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A140	Track Runners	\$14.48
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SECTION 52 – DOORS – cont.

AA5 SERIES CANOPY LATCH PARTS

Part #	Description	Price
A535	 Canopy Latch Assembly	\$140.00

Be sure to order all your canopy latch placards.

A508	 Canopy Latch Cover	\$27.35
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A5360	 Bracket on Windshield bow For canopy latch	\$11.82
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A5361	 Latch striker, rivnut, and Screw assembly	\$16.20
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Part #	Description	Price
A5362	 Shims, to adjust canopy Latch tension Before adjusting latch, check and Replace seals if necessary.	\$0.75

A540	 Track Runners	\$34.16
5102270-501	Canopy Track Rails, inner with spline nuts	\$241.82

Ask about our track runner sizing tool rental program.



5102353-7	 Plastic overlay for baggage door	\$58.54
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SECTION 53 - FUSELAGE

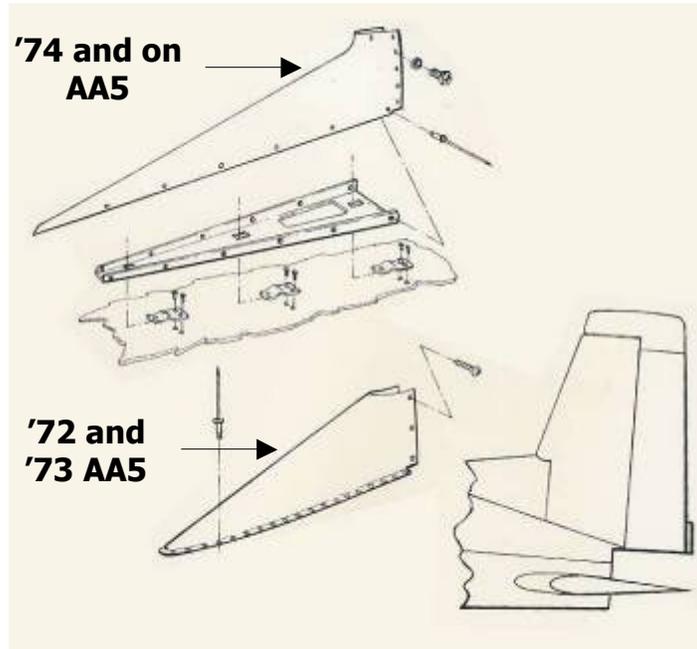
DORSAL FIN



A5250 Dorsal Fin, fiberglass \$323.16
AA5 series 1974 and on

Keep in mind that the original dorsal fin is susceptible to cracks, especially in cold climates. Replace it with a new fiberglass fin.

A1604 Rivets for Dorsal Fin \$0.28 each
32 required



A3236-012-24A Countersunk washer. \$0.25 each
To attach dorsal fin. 12 required.

A1784-671 Clip nut \$0.40 each
12 required to attach dorsal fin.



5302040-3 Clip, to attach dorsal fin \$5.30 each
to dorsal fin channel. 3 required.

Can also be used to attach horizontal fairings.



Karen James Iacopi and family. Starting her son early by flying the Tiger Aircraft AG5B!



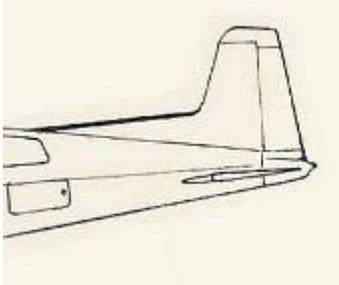
Refresh your aircraft's exterior

SECTION 53 - FUSELAGE

Replace all your exterior plastic moldings today!

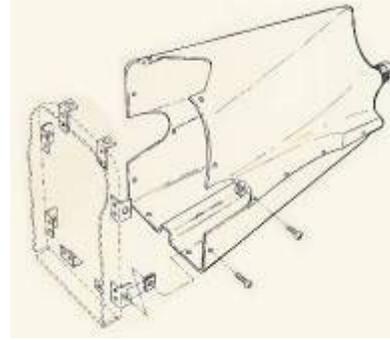
TAIL CONE

Part # Description Price



A5330 Tail Cone, upper half '76-'79 AA5 series \$65.00

Part # Description Price



A5331 Tail cone, lower half '76-'79 AA5 series \$60.00

BOARDING STEPS

Ask about the required mounting aluminum bolts.



A2533 L/H boarding step AA5 Series \$129.00



A2534 R/H Boarding step AA5 Series \$129.00

HORIZONTAL STABILIZER



A5232 Root Fillet AA5A - AG5B Horizontal Stabilizer \$50.00

ELEVATOR TIPS



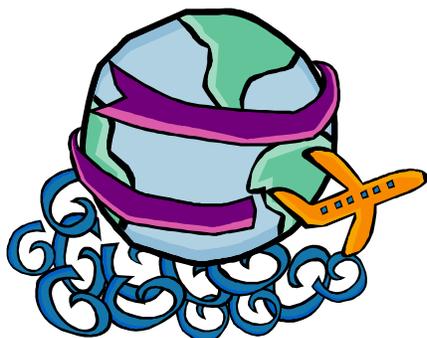
A527 Elevator Tips For AA5A and AA5B \$164.30



SECTION 56 - WINDOWS

WINDSHIELD AND WINDOW INSTALLATION

Part # Description Price



- X2471 #1200 Dow Corning Primer \$15.80
For metal, 4 oz. bottle
(Hazardous Materials freight premium applies)

- X2472 #1205 Dow Corning Primer \$17.91
For plastic, 4 oz. Bottle
(Hazardous Materials freight premium applies)

Part # Description Price



- X2073 #732 Dow Corning RTV \$7.65
Silicone sealant, caulk gun size

- X2074 Foam-backed tape. \$4.50
8'L x 1 1/4" W x 1/16 thick

WINDSHIELD, WINDOWS, AND CANOPIES

Available in Clear (CL), Green Tint (GT), and Smoke Gray (SG)



657 1/8" thick windshield, AA1 \$226.88 \$293.58

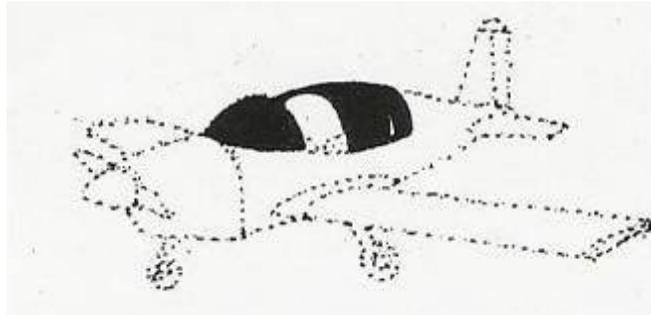
658 1/8" thick canopy, AA1 \$251.34 \$324.63
Requires truck freight



SECTION 56 – WINDOWS- cont.

WINDSHIELD, WINDOWS, AND CANOPIES

Available in Clear (CL), Green Tint (GT), and Smoke Gray (SG)



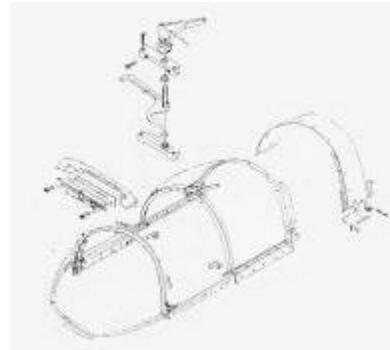
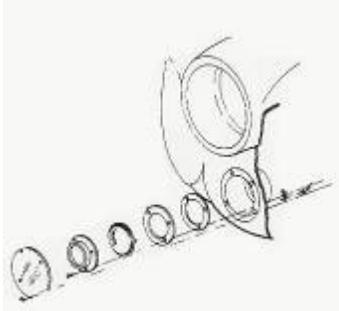
659 1/8" thick L/H rear window AA1 \$63.97 \$76.77

660 1/8" thick R/H rear window AA1 \$63.97 \$76.77

Extends the life of your navigation lights.

208 Navigation light lenses L/H AA1A through AG5B \$36.96

209 Navigation light lenses R/H AA1A through AG5B \$36.96



X203 832 Rubber mounted Rivnut For 228 and 229 covers. \$0.95 each

X104 Sun Screen, dark tint AA1 series \$175.00

229 1/16" landing light cover \$24.69

X205 Insert, sun visor, dark green AA1 through AG5B \$17.73

Ask about the installation clips when you order!

(We also carry Blue Visors)



SECTION 56 – WINDOWS- cont.

WINDSHIELD, WINDOWS, AND CANOPIES

Available in Clear (CL), Green Tint (GT), and Smoke Gray (SG)



965 ¼" thick windshield \$357.13 \$428.00
 AA5 series

215 1/8" thick, canopy window \$92.66 \$119.16
 L/H side, AA5 series

216 1/8" thick, canopy window \$92.66 \$119.16
 R/H side, AA5 series

213 1/8" thick, long rear window \$78.41 \$102.28
 L/H side, '74 and on AA5 series

214 1/8" thick, long rear window \$78.41 \$102.28
 R/H side, '74 and on AA5 series

966 1/16" thick, short rear window \$34.45 \$39.64
 L/H or R/H side, '72 – '73 AA5 series

228 Landing light cover, AA5 series \$24.69

050 Windshield, GA7 Cougar \$466.65 \$559.98
 Requires truck freight

Don't use your old inaccurate OAT. Replace it with a new Digital Unit!

See page 45.



Don't forget sealant & foam tape!

X707 Navigation light cover \$119.87
 L/H GA7 Cougar

X708 Navigation light cover \$119.87
 R/H GA7 Cougar



SECTION 56 – WINDOWS- cont.

WINDSHIELD, WINDOWS, AND CANOPIES

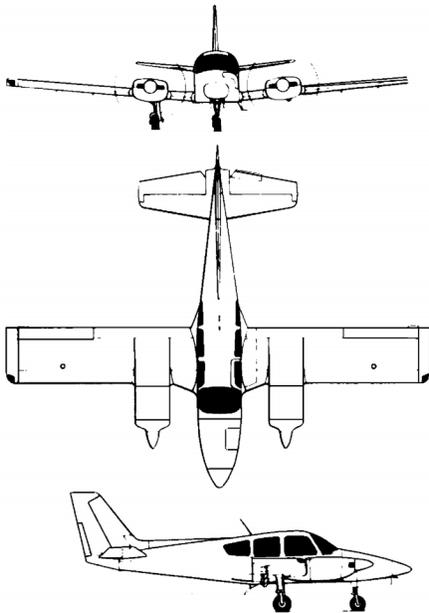
Available in Clear (CL), Green Tint (GT), and Smoke Gray (SG)

061	L/H Front Cabin window GA7 Cougar	\$151.30	\$181.56

062	Cabin vent window GA7 Cougar	\$67.32	\$80.78

063	R/H Cabin Door window GA7 Cougar	\$133.88	\$160.65

521	L/H Center Emergency Exit Window, GA7 Cougar	\$127.76	\$153.31



522	R/H Center Cabin window GA7 Cougar	\$127.76	\$153.31

523	L/H Rear Cabin Window GA7 Cougar	\$115.52	\$138.62

524	R/H Rear Cabin Window GA7 Cougar	\$115.52	\$138.62





SECTION 57- WINGS

WING ROOTS

All Wing roots and Wing tips require truck freight.



A5921 L/H Wingroot '72-'74 AA5 series \$250.00

A5920 R/H Wingroot '72-'74, AA5 series \$250.00

A5923 L/H Wingroot '75 and on, AA5 series \$350.00

A5922 R/H Wingroot '75 and on, AA5 series \$350.00

A1925 L/H Wingroot AA1 Yankee \$250.00

A1924 R/H Wingroot AA1 Yankee \$250.00

A1927 L/H Wingroot AA1A – AA1C series \$250.00

A1926 R/H Wingroot AA1A – AA1C series \$250.00

WING TIPS



Limited supply of AG5B wingtips for \$600.00.

Inquire with a parts representative today!

A5931 L/H Wingtip AA5 Series \$350.00

A5930 R/H Wingtip AA5 Series \$350.00

A1933 L/H Wingtip AA1 Yankee \$250.00

A1932 R/H Wingtip AA1 Yankee \$250.00



SECTION 57- WINGS – cont.

WING TIPS



A1935 L/H Wingtip AA1A – AA1C series \$250.00

A1934 R/H Wingtip AA1A – AA1C series \$250.00

A7937 L/H Wingtip GA7 Cougar \$350.00

A7936 R/H Wingtip GA7 Cougar \$350.00



A206 Tie Down Ring L/H, R/H, and/or tail \$9.75

**Need GA7 nav lenses?
We have them.
Call for yours today!**

AILERONS



5603074-4 Aileron Stop all AA5 Series \$35.11

A258 Outboard Aileron Bearing Support \$105.62
All AA5 Series
(Specify collar mounted toward wingtip or toward fuselage.)



A2581 Shim, .020" thick. \$4.53
Use as required to adjust aileron end play of 0.0" to .020" for AA5 series .020" to .060" for AA1 series



A5282 Inboard Aileron Bearing support \$28.55
AA5 Series



SECTION 57- WINGS – cont.

AILERONS –cont.



A2583 Bellcrank, aileron, AA1 series \$42.17



A2584 Bellcrank, aileron, AA5 series \$27.85



9101 Plug, Rubber for hole in aileron \$1.41



Additional labor charges apply if you request holes drilled in your aileron.

5202035-516 Aileron, Undrilled L/H or R/H AA5 series \$? Please specify L/H or R/H

5202035-507 Torque Tube assembly, aileron AA5 series \$450.95

WING ACCESSORIES

901044-1 1 1/16" Short spar bolt \$42.06

901044-3 1 7/16" Long spar bolt \$46.62
Complies with SB185.

*** Note-** 901044-2 spar bolt has superceded to 901044-3.





SECTION 57- WINGS – cont.

WING ACCESSORIES – cont.



T209 McLube 1708. Used to pre-lube Spar sections for assembly. \$14.12
 Required lubricant for spar, as per maintenance manual.

Dry graphite film lubricant, can be used on canopy rails also.

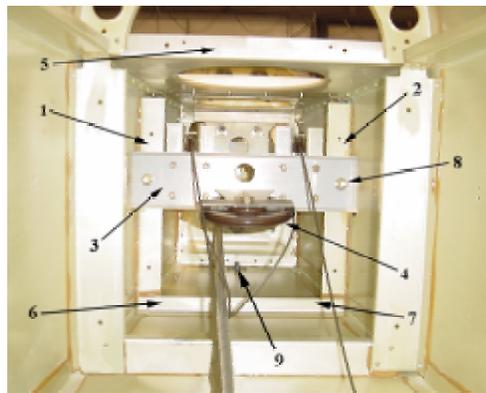
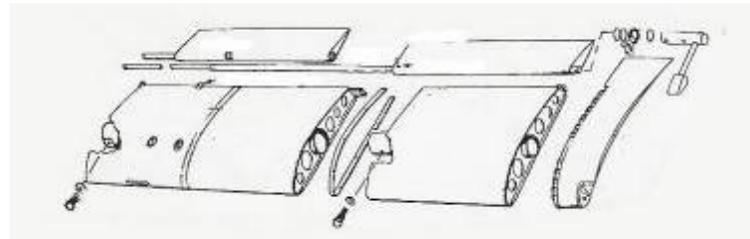
NAS1031P5 Nut Plate, for spar bolt Attachment \$2.20



5201194-1 Spar Shim, .012" thick \$28.18

5201194-2 Spar Shim, .016" thick \$27.06

As per SB185



Forward Horizontal Support Angles

- | | |
|---|-------------------------------|
| 1. RH Spar Support Angle | 6. Lower Stiffener, RH side |
| 2. LH Spar Support Angle | 7. Lower Stiffener, LH side |
| 3. Horizontal Stabilizer Forward Spar | 8. Spar Attach Bolt |
| 4. Aileron Balance Cable Pulley (reference) | 9. Tail Tie-Down Attach Point |
| 5. Horizontal Bulkhead | |



SECTION 61 - PROPELLERS

SENENICH PROPELLER S.T.C.'S

**Our STC eliminates yellow caution zone on Tach (reference AD 82-27-01)
Decreases vibration and can increase speed and/or climb, depending on chosen pitch.**



S503 STC'd Sensenich Prop \$2650.00
For AA5 and AA5A
57" pitch approved for stock O-320/150HP
61" pitch approved for o-320 w/ high
compression STC

S502 STC'd Sensenich Prop \$2650.00
For AA5B
60" – 65" pitch approved.

*Ask about our trade-in value
for your old McCauley prop.
We'll buy it from you!*

PROPELLER PARTS AND ACCESSORIES

NEW



506003-3 Spinner, metal, AA1 series \$312.62



P1035 Prop Bolt Set, AA1C
Sensenich Prop POR



P1034 Prop Bolt Set, AA1 – AA1B
McCauley Prop \$111.06



5506009-3 Spinner, to be used with
service kit #143, AA5 series \$344.77



SECTION 61 – PROPELLERS – cont.

PROPELLER PARTS AND ACCESSORIES – cont.



5506011-1 Doubler, Service Kit 143 style \$38.80
AA5 and AA5A



5506011-3 Doubler, Service Kit 143 style \$38.80
AA5B



Composite comes with 4 year warranty!

5506010-501	Forward Spinner Bulkhead (SK 143), AA5 and AA5A	Aluminum	\$129.12
5506010-501C		Composite	\$259.00
5506010-503	Forward Spinner Bulkhead (SK 143), AA5B	Aluminum	\$129.12
5506010-503C		Composite	\$259.00



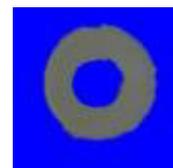
5506008-503 Rear Spinner Bulkhead (SK 143), AA5 and AA5A \$203.14



5506008-505 Rear Spinner Bulkhead (SK 143), AA5B \$208.82



AN526C1032R8 Stainless Steel Screws For Service Kit 143 Spinner Kit 22 required. \$0.25 each

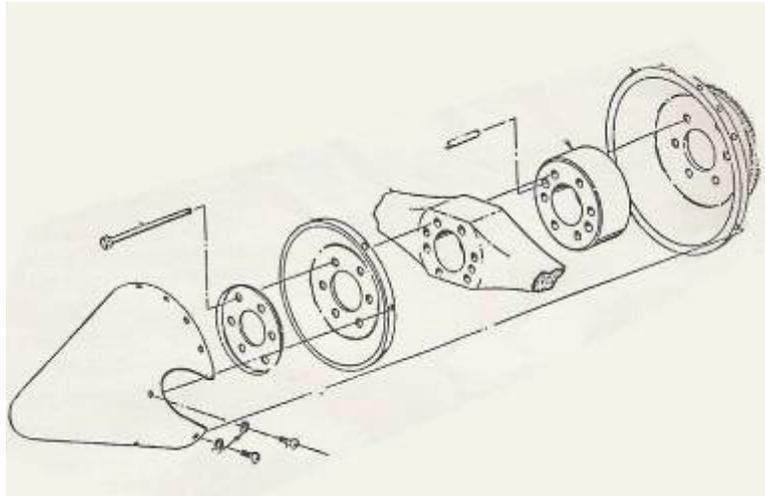


A1020 Plastic Washers For Service Kit 143 Spinner Kit \$0.27 each



SECTION 61 – PROPELLERS – cont.

PROPELLER PARTS AND ACCESSORIES – cont.



P5033 Prop Bolt Kit POR
(McCauley Prop) AA5/AA5A with SK 143
Spinner Kit Installed.

P5031 Prop Bolt Kit POR
(McCauley Prop) AA5B with SK 143
Spinner Kit Installed.

P5034 Prop Bolt Kit POR
(Sensenich Prop) AA5/AA5A with SK 143
Spinner Kit Installed.

P5032 Prop Bolt Kit POR
(Sensenich Prop) AA5B/AG5B with SK 143
Spinner Kit Installed.



SECTION 71 - POWERPLANT

ENGINE ACCESSORIES



P216 Vacuum Pump \$195.00
 Rebuilt 211CC or 212CW
 Requires Core Deposit.
 State whether 211CC or 212CW required.

Warranty: 1 Year or 1000 hours, whichever comes first.

P217 New Vacuum Pump \$275.00
 Alternate for 211CC
 Requires Core Deposit

Has cooling fans to longer life and a wear port to observe wear!



P218 Aero-Advantage, STC'd dual vacuum Pump. Warning lights in instrument Panel. Specify 12 or 24 volt. \$779.00



P258 Filter for Main Vacuum System \$20.25
 Replace every 400 hours.



P259 Filter for Vacuum regulator \$2.25
 Replace every 100 hours



P260 Filter for AG5B Vacuum System \$75.89



P119 40 AMP AA1 Alternator \$299.00
 Requires Core Deposit

P120 60 AMP AA1 Alternator \$333.33
 Requires Core Deposit

P521 60 AMP Alternator \$256.00
 AA5, AA5A, AA5B
 Requires Core Deposit



SECTION 71 – POWERPLANT – cont.

ENGINE ACCESSORIES – cont.



P524 60 AMP, 24 volt Alternator Overhauled for AG5B Requires Core Deposit \$312.00

We carry engine fuel and oil hoses, individually or in sets.

P525 Strut, starter to alternator on AA5 – AA5B \$10.30



P222 Alternator Belt All AA1's and AA5's \$29.20



P526 Adjuster bracket for alternator On AA5 – AA5B. \$55.95

Play it safe Carry an extra belt



P523 "U-shaped" alternator bracket For AA5's with Ford-type alternator \$41.65



B301 Electronic Noise Filter For alternators. \$47.12

This item is commonly replaced, due to cracks, which results from vibration, especially for AA5B aircraft with the McCauley Prop.



Get rid of that annoying alternator whining.



SECTION 71 – POWERPLANT – cont.

INTAKE DUCTS



5503004-1

Intake Duct for '75 AA5 Traveler and all AA5A's
Complies with SB 175

\$59.40



P229

Intake Duct for AA1A – AA1C, And '72-'74 Traveler

\$47.70



P528

Intake Duct for AA5B Tiger

\$32.16



*Have you checked your hoses?
Replace your brittle defrost hoses or crushed air duct hoses before it is too late.*

MISCELLANEOUS DUCTS AND HOSE



SCAT6

Defroster Duct 1 1/2" x 36"

\$19.32



MIL-H-6000-3/4"

Crankcase vent hose 2 feet required

\$11.92

Comply with SB187 with this inexpensive hose.



SECTION 71 – POWERPLANT – cont.

ENGINE MOUNT CUSHINGS, KITS, AND PARTS

P134 Engine Mount bushings \$8.42
AA1-001 through AA1-0432
8 each required. Solid Rubber
LYCOMING



P135 Engine Mount Bushings \$43.80
AA1-0433 through AA1B
8 each required. Solid Rubber with metal shroud.
LORD®



P536 Engine mount kit \$120.80
AA1C, AA5, AA5A. 4 each required.
LORD®



P537 Engine Mount Kit \$133.00
'75/'76 AA5B. 4 each required.
LORD®

We also have lower priced Barrymounts for AA5B aircraft



P538 Engine Mount Kit \$167.47
'77 and on AA5B. 4 each required.
LORD®



P2361 Engine Mount Ring Spacer \$11.88
Aluminum, Chamfered.
AA1C, AA5, AA5A



P1351 Cam-type spacer \$19.90
For AA1, AA1A, AA1B Engine mounts.





SECTION 71 – POWERPLANT – cont.

CARBURETOR REPAIR

AA1 – AA5A Series



- P211 Brass Float Kit AA1 – AA5A POR

- P212 Improved Main Venturi Nozzle AA1 – AA5A POR

- P1003 AA1 Throttle Shaft Repair Kit POR

AA5B and GA7 Series



- P5013 AA5B Throttle Shaft Repair Kit POR

- P206 Brass Float Kit, AA5B and GA7 POR

- P2071 Replacement Mixture Pin AA5B and GA7 POR

- P208 Power Valve w/ Extended Plug POR





SECTION 71 – POWERPLANT – cont.

CARBURETOR REPAIR – cont.

P209 Accelerator Pump Rod Seal Kit for AA5B and GA7 POR

55A239 Retainer for Mixture Shaft See Service Bulletin A-1-78 POR

15-B395 Pin for Mixture Shaft Retainer See Service Bulletin A-1-78 POR

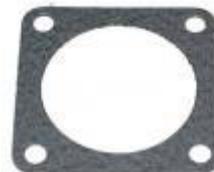
78-A292 Washer for Mixture Shaft Retainer. See Service Bulletin A-1-78 POR



60592 Gasket, Carb to Engine AA1 series \$1.20



66224 Gasket, Carb to Engine AA5 and AA5A \$1.16



77154 Gasket, Carb to Engine AA5B \$7.72



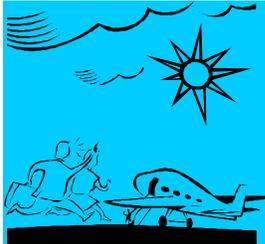
5503009-1 Gasket, Carb to Airbox AA5B \$4.31





SECTION 71 – POWERPLANT – cont.

ENGINE REPAIR



SL18109A-S Oil Pump Impeller Gear Kit \$185.26
AA1 – GA7

Complies with AD 95-19-15

REPLACE THOSE LEAKING GASKETS



75906 Cork Valve Cover Gasket \$2.04
AA1 – GA7



BA75906 Silicone Valve Cover Gasket \$7.98
AA1 – GA7



71973 Gasket, Top Intake Tube \$0.83
AA1 – GA7



STD1196 Hose, Intake Tube \$3.32
AA1 – AA5A



69603 Hose, Intake Tube \$3.47
AA5B and GA7



18661 Seal, Push Rod Tube Inner \$1.96
AA1 – GA7



70310 Seal, Push Rod Tube, Outer \$1.22
AA5 – GA7



SECTION 71 – POWERPLANT – cont.

ENGINE REPAIR – cont.



12272 Lock Tab for Push Rod Tube \$1.12
AA1 – GA7



ST2180 Hose, Oil Return \$1.14
AA1 – GA7



12681 Gasket, Round, Magneto \$1.32
AA1 – GA7



62224 Gasket, Oval, Magneto \$1.36
AA1 – GA7



61173 Gasket, Oil Screen Housing \$1.27
AA1 – GA7



12795 Gasket, Oil Filter Adapter \$1.86
As Required



60096 Gasket, Mechanical Fuel Pump \$0.93
AA1 – GA7

STD2217 Seal, Vacuum Pump \$5.27
AA1 – GA7



SECTION 71 – POWERPLANT – cont.

ENGINE REPAIR – cont.



61183 Gasket, Forward Vacuum Pump \$0.76
AA1 – GA7



8313 Gasket, Aft Vacuum Pump \$0.73
AA1 – GA7



73818 Gasket, Accessory Case Housing \$5.26
AA1 – GA7



13353 Gasket, Oil Sump \$5.18
AA1 – GA7



13792 Seal, Solid Front Crank shaft \$10.14
AA1 – GA7



LW11997 Seal, Split, Front Crankshaft \$16.00
AA1 – GA7

14620 Seal, Tach Drive \$6.24
AA1 – GA7





SECTION 71 – POWERPLANT – cont.

COWLING



A5940 AA5 Nose Cowling 1972 – 1974 \$179.40



A5941 AA5/AA5A Nose Cowling 1975 – 1979 \$179.40



A5942 AA5B Nose Cowling \$473.20



A1943 AA1B Nose Cowling Elliptical Intake s/n:0001-055 \$169.00



A1690 Camlock Stud, Grommet and Snap Ring for AA1 Upper Forward Cowling Attachment \$7.05

A1961 Receptacle for A1690 Camlock \$3.87



A270 Latch, Oil Door and/or APU Door Latch \$22.08

Ask about our cowl plugs!





SECTION 71 – POWERPLANT – cont.

COWLING – cont.



5101030-901 Hinge Assembly, Upper \$230.00
1975 AA5 – 1979 AA5B



A2701 Spring, Cowl Latch \$2.51
1975 AA5, all AA5A and AA5B



A2702 Spring, Cowl Guide Rod \$2.51
1975 AA5, all AA5A and AA5B



A2703 Retainer, for A2702 Spring \$0.79



A731 Support Rod, Upper Cowl Doors \$25.00
All AA5 Series

G2102 Baffle Seal, High Temp Silicone \$89.00
3" x 9' Roll

**Don't be fooled by
cheaper imitations.
We carry fiberglass
reinforced baffle seal.**

***Use for longevity and
strength!***

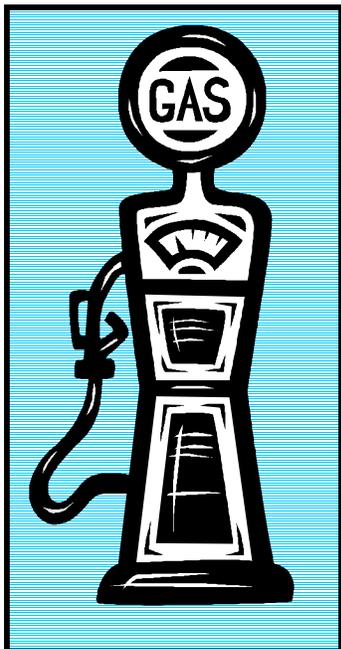


SECTION 73 – ENGINE FUEL AND CONTROL

THROTTLE CABLES



- 507005-1 Throttle Cable AA1 Series \$218.00
- 507005-2 Throttle Cable AA5 and AA5A \$218.00
- 507005-3 Throttle Cable AA5B \$218.00



- C212 Cable, Carb Heat AA1 – AA5B \$52.50

AD 25-09-07 affects AA1 series aircraft. It states that the mixture cable must be replaced every 500 Hours. Call FletchAir and order yours today.



- 93882 Mixture Cable, Vernier-type AA1 – AA5B \$130.00



- C507 Swivel Assembly To attach mixture and/or carb heat cables \$25.82



- C508 Ball Joint, Quick Release Throttle Rod End AA1 – AA5B \$12.50



SECTION 73 – ENGINE FUEL AND CONTROL – cont.

THROTTLE CABLE ATTACHMENT
Reference Service Bulletin #142



501112-8 Clamp, Upper
AA1 – AA5B \$7.60



501112-9 Retainer, Rear
AA1 – AA5B \$19.13



501112-7 Retainer, Upper
AA1 – AA5B \$5.32



SB312-3 Bushing, Mixture Cable
Installs into 501112-9 Retainer \$1.28



AN526C632R7 Screw, for attaching
501112-7, -8, -9, and -11
4 required \$0.25



501112-11 Retainer, Lower
AA1 – AA5B \$4.64



MS21044N06 Nut, for use with
AN526C632R7 above.
4 required \$0.50



Ask for a free copy of SB142 with the purchase of all items on this page!!!



SECTION 74 - IGNITION



P202 Ignition Switch, Key type AA1 – AA5B \$166.72

P2010 Ignition Harness set For both magnetos AA1 – GA7 \$199.00



M674 Gasket, Spark Plug, 18mm \$0.31



REM40E Spark Plug AA1 – AA1B, AA5, AA5A, GA7 \$21.00

REM38E Spark Plug, Massive electrode For AA5B \$21.00

REM37BY Spark Plug, massive electrode For AA1C \$18.80



Garner Rice giving a tour of Fletcher Aviation



SECTION 78 - EXHAUST

099001-137R Muffler, Rebuilt \$550.00
AA1A, 1B, 1C
Requires \$200.00 Core Deposit



099001-148R Muffler, rebuilt \$550.00
'72 - '74 AA5
Requires \$200.00 Core Deposit

E5011 Muffler, Rebuilt \$550.00
'75 AA5 and all AA5A
Requires \$200.00 Core Deposit

E504 Muffler, New \$595.00
AA5B



099001-114 Shroud, Muffler \$220.00
AA1A, 1B, 1C

099001-140 Shroud, Muffler \$220.00
'72 - '74 AA5



E502 Shroud, Muffler \$220.00
'75 AA5 and all AA5A

E504 Shroud, Muffler \$295.00
AA5B
End plate sold separately - see page 77



SECTION 78 – EXHAUST – cont.



E5041 End Plate, muffler shroud \$36.36



E205 Clamp, exhaust, with shim
Sold per half \$14.75

099001-102 Riser, Exhaust,
Straight \$124.00



099001-194 Riser, Exhaust
Shallow "S" shape \$236.00

099001-184 Riser, Exhaust
Deep "S" Shape \$212.00



E206 Gasket, Exhaust
Stainless, re-usable \$3.75

**Buy complete set of 8 halves
and save money -- \$100.00!
We also have stainless
hardware for clamps.**



E208 Exhaust Stud
Standard Size \$3.78

E2083 Exhaust Stud
.003" oversized \$5.68

E2087 Exhaust Stud
.007" oversized \$6.68



SECTION 78 – EXHAUST – cont.



E510 Long Stand off Bracket, 4.5" \$6.75
L/h Exhaust riser clamp to forward engine baffle
'75 AA5 – AA5B

E511 Short stand off bracket See E510
Bracket from an E510 "long" bracket
(Fabricate short E511 R/H Standoff from E510)
Currently unavailable

SECTION 79 - OIL



MIL-H-6000-3/4" Hose, crankcase breather \$11.92/2 ft
2 feet required
All AA1 and AA5 series
Complies with SB187
Also sold on page 64.

P204 Adapter to accommodate \$330.00
Spin-on oil filters
All AA1 and AA5 series
Lycoming type



P2041 Oil filter, CH48110 with \$16.00
Threaded stud
All AA1 and AA5 series



10578R Oil cooler, 4 vane \$425.00
for AA1C, AA5, and AA5A



SECTION 79 – OIL – cont.



FA1003 Oil cooler kit, 6 vane For AA5 and AA5A \$716.00



5505002-2 Oil cooler, 5 vane for AA5B NO DISCOUNT AVAILABLE \$420.00



8406R Oil Cooler, 6 vane for AG5B \$435.00



Make it easy to drain your oil. Install a quick drain!



P5000 Quick drain, oil sump All AA1 and AA5 series \$54.00

75944 Thermostatic by-pass valve all AA1 and AA5 series \$150.30

Our STC allows a 6 vane cooler for AA5, AA5A aircraft. Keep your oil cool. This kit includes larger oil cooler, mounting hardware, and brackets, and STC paperwork.



SECTION 81 - STARTING

The following require core deposits

P1	12 volt starter, AA1 series OVERHAULED	\$285.00

P5	12 volt starter, AA5/AA5A OVERHAULED	\$305.60

P2	12 volt starter, AA5B/GA7 OVERHAULED	\$504.80

EBB75A	Starter Drive AA5/AA5A	\$76.30

The following DO NOT require core deposits

R2001	12 volt starter, light weight AA1 series	\$499.00

R200	12 volt starter, light weight AA5 series	\$499.00

R2002	24 volt starter, light weight AG5B	\$499.00

EBB131A	Starter Drive AA5B/GA7	\$82.70





STC'S AND MODIFICATIONS

R101 **AA1 series engine upgrade STC to O-290 or O-320. PAPERWORK ONLY** \$350.00

R102 **AA1 Series gross weight** \$150.00

Increase gross weight (with O-320 installed) Up to 1560 lbs. For AA1 and AA1A's with replacement of some landing gear fittings. To increase gross weight on AA1B's to 1600 lbs., need STC paperwork only.

AA-1 Series Engine Conversion and Gross Weight Increase

Any AA-1 series airplane can be modified to operate an O-290 or O-320 listed below. Some of the popular aircraft that came supplied with these engines are listed.

150 HP low compression Straight (conical) Mount

O-320 A2A Pawnee, S-Cub
O-320 A2B Cherokee
O-320 A2C

160 HP High compression Straight (conical) Mount

O-320 B2A Tripacer
O-320 B2B Cherokee
O-320 B2C- (wide deck)

160 HP high compression

Dynafoal Mount- wide deck

O-320 D1A Cherokee
O-320 D2B (Musketeer 63)
O-320 D2C
O-320 D2D
O-320 D2E
O-320 D2F
O-320 D3G Warrior

150 HP low compression

Dynafoal Mount- wide deck

O-320 E2A Cherokee
O-320 E2B
O-320 E2C Musketeer
O-320 E2D Musketeer, C-172, C140
O-320 E2G (Cheetah engine)
O-320 E2H

O-290 D2 Tripacer, Super Cub (140 HP) straight mount

Many other engines may be modified to the above listed configurations, such as the addition of a fuel pump or the replacement of an accessory.

AA-1, AA-1A and AA-1B's came with a straight engine mount. These mounts may be used as is on the O-320 A and B series engines, except for AA-1's prior to S/N 433. Early AA-1's require two extra braces added or the mount may be replaced with a latter mount.

AA-1C's were delivered with Dynafoal engine mounts and will accept the O-320 B and D series engines. The AA-1C mount may be used on any AA-1 series.

Mufflers may be used without modification on narrow deck engines. Two offset exhaust stubs such as used on a Cheetah will be required to fit the original exhaust on wide deck engines.

The carburetor is in the same place in the O-290, O-320 A and B series and the O-320 E2G. New engine controls will not be required to be fabricated on these engines.

An oil cooler is required on all conversions. AA-1C's and some AA-1B's were equipped with an oil cooler from Grumman. Accessory Kit AK 132 may be used.

A longer nose strut is required for most aircraft.

The Battery may be relocated as required behind the baggage compartment if the CG is found out of limits in its original location.

A Sensenich 74DM-__-0-__ or a McCauley 1A170GM, 53 or 60" of pitch may be used. Early Sensenich propellers would accept the stock AA-1 series spinner and bulkhead by enlarging the blade cuffs to fit the larger propeller. Late model Piper Warrior spinners and bulkheads may be used as an option.

All engines have a lower than 2600 RPM red line that technically de-rates the maximum HP they can deliver. Each engine has a different tachometer marking. This was done for two reasons. First the Environmental Protection Agency (EPA) requires under part 36 that extensive and expensive noise level test be performed for a new engine installation. In lieu of that the engines could be de-rated by remarking the tachometer. Second, if the airplane is flown observing the limitations, the fuel burn and range figures remain relatively consistent with the operating manual. There are no engine or airframe mechanical reasons to limit the RPM below the Lycoming rating. The reduced red line would have no effect on take off and climb because full throttle would not approach the red line.

Our recommendation is to install an O-320 B or D series engines. These are High compression engines that will deliver tremendous performance and burn less fuel on a given HP setting than the original O-235 or the low compression O-320s. Since fuel capacity is limited, this is a big advantage. The B series will use the same engine mounts, exhaust system, cowling, engine controls and carburetor intake as most AA-1's. Most baffles are similar but will require some modification to fit.

The above information may be used as a guide in selecting engines; we cannot guarantee that all information is correct.

As an Option the AA-1, and AA-1As may have their take off and landing weight increased from 1500 Lbs. to 1560 Lbs. The larger engine must be installed first. The only change to the airframe is the AA-1B or AA-1C landing gear fittings must be installed. AA-1B may go to 1600 Lbs. landing and take off gross Wt. with only a placard change. AA-1C has no gross weight increase.



STC'S AND MODIFICATIONS – cont.

R501	AA5/AA5A O-320 High compression Piston upgrade STC. <u>Better climb performance and fuel economy</u> This STC allow the use of 61" pitch Sensenich propeller. See Page 59.	\$500.00
R502	AA5A 200 HP Engine upgrade STC.	\$1500.00
R209	<u>Aviation Development Corporation</u> <u>Oil Filtration System</u>	\$495.00

ADC's oil filtration system is a firewall mounted System with absolutely no competition. The ADC System was thoroughly and extensively tested at the University of Utah against the best examples of spin-on oil filters available in the aviation industry. The results of these tests were stunning. Not only did the ADC Filter System filter out contaminants and dirt from oil which was running first through a factory fresh aviation spin-on filter, it also filtered out filter media fibers from the "upstream" spin-on filter that were tearing off of the paper/fiber media used in the spin-on filter! Ultimately, the ADC Oil Filtration System filters out particles as small as THREE MICRONS in size. This phenomenal filtering capability obviously leads to a decrease in engine wear and an increase in engine life. This system filters 100% of your oil 100% of the time until the filter element collects enough contaminants on its "dirty" side to create an 8.5 pounds per square inch differential in oil pressure between the "dirty" side and the "clean" side of the element. When this differential pressure level is reached the filter by-pass mechanism begins to open and the unique instrument panel mounted warning light comes on alerting the pilot that the filter element should be removed, the contaminants on its surfaces should be examined to determine the "health" of the engine and the trend of any wear history, then cleaned and placed back in the filter assembly. This can be done at the next convenient opportunity for the pilot. Otherwise, if the warning light does not come on for the 50 hours after an oil change and filter cleaning, simply examine and clean the filter element at each 50 hour oil change interval time.

Besides its outstanding filtering performance, the ADC Oil Filtration System has other qualities not found in conventional filters:

- 1) It is a "one-time" investment and "one-time" installation with nothing to remove, cut open and replace on a frequent basis.
- 2) The filter element is a stainless steel woven "cloth" with a viton outer and inner seal/gasket that is not time-limited by the FAA for replacement. If you take care of this element it will probably last for years and years. It is cleanable with common commercial solvents.
- 3) The filter element is a superb engine health diagnostic tool. If you take the time to examine the contaminants on the "dirty" side of the element each time you remove it (and you should!) you will be able to establish a trend of your engine's wear activities.
- 4) Cleaning the element at either "warning light alerts" or "oil change time intervals" (which ever comes first), keeps circulation of contaminants through the engine to an absolute minimum.
- 5) The filter housing is constructed from cast aluminum and is powder coated for a durable and attractive finish. The housing and the complete system has been tested by the FAA to a working pressure of over 400 PSI at a temperature of over 350° F which is many times above the parameters of most engines.
- 6) The ADC Oil Filter System can be upgraded to include an OPTIONAL ferrous metal "CHIP DETECTOR" that alerts the pilot to premature engine wear of steel parts with a panel mounted AMBER light. It can also be upgraded to include an OPTIONAL "LOW OIL PRESSURE WARNING SWITCH" that alerts the pilot with a panel mounted RED light when the oil pressure in your engine drops to 30 PSI.
- 7) Indirect Benefit – The ADC Oil Filter housing has 160 square inches of surface area that acts as a heat exchanger. If your engine is running hot this filter housing may give you the added cooling that you need. Oil temperature drops of 15° F to 55° F have been recorded and officially documented on a wide variety of makes and models of production and homebuilt aircraft using the ADC Oil Filter.
- 8) The ADC Oil Filtration System comes with everything you need to install your filter except for the engine adapter. Kit includes filter unit, unit mounting bracket, by-pass system and warning light, hoses and fittings, and all hardware. Engine adapter is purchased separately and is engine make and model specific.
- 9) The installation is "straight forward" and takes about 3 to 4 hours depending on aircraft model.
- 10) For the absolute finest in aircraft piston and turbine engine oil filtration, choose the AVIATION DEVELOPMENT CORPORATION OIL FILTRATION SYSTEM!



STC'S AND MODIFICATIONS – cont.



R2091 O-320/O-360 Engine Adapter \$195.00
For R209 ADC Oil Filter System

R2092 O-235 Engine adapter \$125.00
for R209 ADC Oil Filter System



ADC310-1 Aviation Development Corp. \$395.00
Oil cooler adapter kit for AA1
Through AA1B

Don't remove your prop, spinner and cowling just to get to the alternator. These split nose cowlings allow you to remove the nose cowling in 2 pieces.

SAVE TIME! SAVE MONEY!

R507 Split Nose Cowl STC \$175.00
'75 Traveler, AA5A and AA5B

R507-1 Split Nose Cowl STC \$175.00
'72 – '74 Traveler

R108 Split Nose Cowl STC \$200.00
AA1 through AA1B

R1081 Split Nose Cowl STC \$200.00
AA1C

**ALL SPLIT NOSE
COWLING STC'S PROVIDE
ACCESS TO FORWARD
ENGINE BAFFLES,
STARTER AND
ALTERNATOR WITHOUT
HAVING TO REMOVE
SPINNER AND PROPELLER.**

R106 Hinged upper engine cowling #200.00
STC for AA1 through AA1C.
Provides convenient access to engine
Compartment from the top without
Having to remove the top engine cowling.

FLECHAIR INC. POLICIES

When placing an order with catalog numbers:

713.641.2023 713.649.8197 800.329.4647

Monday - Friday, 8:00AM to 5:30PM Central

24 Hour FAX # 713.649.6060

For Customer Service Call:

713.644.3900

Monday - Friday, 9:00AM to 5:30PM Central



We are located ¼ mile east of Telephone Road at 9000 Randolph Street in Houston. Our inventory is composed of various airframe new and used parts and components. WE specialize in Grumman American Aircraft but do stock other Makes and Models.

Please bear in mind that our used parts inventory changes rapidly, but is solely dependent on the limited number of planes available to us as salvage. This means we cannot "order" more of a specific part when we are temporarily out of it.

BACKORDERS

Although FletchAir Inc maintains an inventory of parts, a situation may arise with a supplier where a part is not available for immediate shipment. This would create a backorder on your shipment and the part will be shipped as soon as it becomes available. Back ordered items will not be billed until shipped. If this is not desirable please request "no back orders" when placing your order.

WANTS FILE

If you desire us to contact you when a specific item is available please supply us with all the pertinent information and we will be glad to let you know. Our "wants file" is checked whenever new and used parts become available.

PRICES

Model prices are discounted from current factory list prices. Other prices reflect current market prices. Prices on a specific item reflect the item's condition, availability, and prices in our source of supply. A price quote does not constitute an order. All prices are FOB Houston, Texas. All sales made with in Texas are subject to local sales tax; this rule applies to out-of-state customers picking up parts here. This also applies to parts sent here for repairs or overhauls.

PRICES ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE!

ORDERING AND TERMS

Orders may be placed by mail, phone, email, or FAX. Please have all the necessary information available the first time you contact us in order to avoid delays and expense. We need to know the make, model, year and serial number of your aircraft, complete part number and description of part desired, your name, address, and phone number. A street address is required for all UPS deliveries. Although our salesmen are experienced in identifying parts without part numbers, **the customer bears full responsibility for parts ordered without a part number.** Orders are generally processed within THREE days and you will be notified of any delays in shipment.

We accept company or personal checks, MasterCard, Visa, American Express, Discover, and money orders. Minimum charge on all orders is \$5.00. Shipments are made when remittance accompanies the order, and on a COD basis. A \$25.00 service charge is applied to all NSF checks.

In order to provide you the most reasonable prices possible, **OUR ACCOUNTING DEPARTMENT IS NOT SET UP TO HANDLE OPEN ACCOUNTS.**

All items are subject to prior sale without a substantial deposit. If we are sold out when your order is received, you will be notified and a refund will be issued. **ALL FOREIGN ORDERS MUST BE PRE-PAID IN U.S. FUNDS PRIOR TO SHIPMENT.**

SHIPPING

Unless directed at the time of order, we will ship the best and most economical way. United Parcel Service, parcel post, bus, motor freight, and air freight are all available. We have several airlines serving Hobby Airport at our disposal. All shipments are FOB Houston. Foreign shipments are made by way of air freight. Packaging is done at no additional cost, but crating is extra. There is a special handling charge of \$20.00 for necessary exportation paperwork. All large items and items shipped by motor freight must be crated—ask for quote. When you include remittance with your order, please include sufficient amounts to cover shipping. Any underestimate will result in freight being shipped collect. Overages will be refunded.

DAMAGE IN SHIPMENT

Because of careful packing and crating, we have minimized transit damage. Occasionally however, materials are subject to being damaged. It is very important to observe these instructions:

1. If damage is evident on receipt, note the damage on the bill of lading or delivery receipt BEFORE you accept the package. The carrier will not be liable for damage not noted.
2. Immediately notify the carrier to have their representative inspect the damage and file a claim.
3. Notify FletchAir of the damage within 24 hours of receipt of the shipment.

RETURNS

PRIOR AUTHORIZATION MUST BE OBTAINED. PLEASE SHIP PREPAID, INSURED FOR THE FULL VALUE. NO COD SHIPMENTS WILL BE ACCEPTED.

Merchandise may be returned with permission. All merchandise must be returned in the same condition as shipped.

We will honor all reasonable claims, but in order to handle adjustments efficiently, we must be notified beforehand. All requests must be supported by invoice number and date of purchase. There is a 20% restocking fee charged on returns after 30 days from the date shipped to you. Refunds are given on PARTS ONLY! This does not include shipping, phone calls or special handling charges.

There will be no restocking fee if FletchAir originates a mistake in the parts sent. The correct part will be send COD and a credit will be issued when the wrong part is received back. Refunds are generally handled within 60 days from receipt by FletchAir. This is to allow COD checks to arrive from carrier and checks to clear bank. No returns on electrical parts or manuals.

EXCHANGES AND CORE CREDIT

On any item that is sold as "exchange for old core", the core item must be returned to FletchAir within 30 days from date of shipment. Any core being returned to FletchAir MUST be accompanied by a copy of the invoice. This is the only method of identifying your order and core for proper credit. All core charges are collected with the original order and your credit will be issued upon inspection and acceptance of your core. Cores will NOT be accepted COD and all return freight must be prepaid.

WARRANTY – NEW PARTS

FletchAir, Inc. warrants to the original purchaser that the new parts contained in this catalog and purchased from FletchAir, Inc. will be free from manufacturing defects in materials and workmanship for a period of 90 days from the date of purchase.

Merchandise that fails to conform to this Warranty will be repaired or replaced at FletchAir's option without charges for parts, labor, or replacement if the merchandise is returned to us by the purchaser within the 90 day warranty period. FletchAir, Inc. agrees to pay only for parts or replacement, and return postage by the most economical method. All other expenses are to be paid by the purchaser. Further, FletchAir, Inc. may, at its option, satisfy its obligation under this warranty by a refund of the purchase price.

FletchAir, Inc.'s obligation under this warranty is strictly and exclusively limited to the repair or replacement and return of merchandise that fails to conform to this warranty, or to a refund of the purchase price, and FletchAir, Inc. assumes no responsibility for any other expenses or damages, including incidental or consequential damages. The duration of all implied warranties, including merchantability, fitness for a particular purpose, or otherwise, are disclaimed in their entirety after the expiration of the 90 day warranty period.

TO OBTAIN WARRANTY SERVICE, OR A REFUND, IF FLECHAIR SO ELECTS, CALL OR WRITE FOR RETURN AUTHORIZAITON! The defective part must be shipped with postage prepaid to FletchAir, Inc., 9000 Randolph, Houston, Texas 77061 and received no later than 100 days after the purchase date. The defective merchandise must be accompanied by the name and address of the purchaser, proof of purchase, and a written statement that identifies the defect.

WARRANTIES – USED PARTS

We make no warranties expressed nor implied as to the airworthiness of the used parts we sell. Customers do have the assurance that unsatisfactory merchandise may be returned according to our policies.

FROM: _____

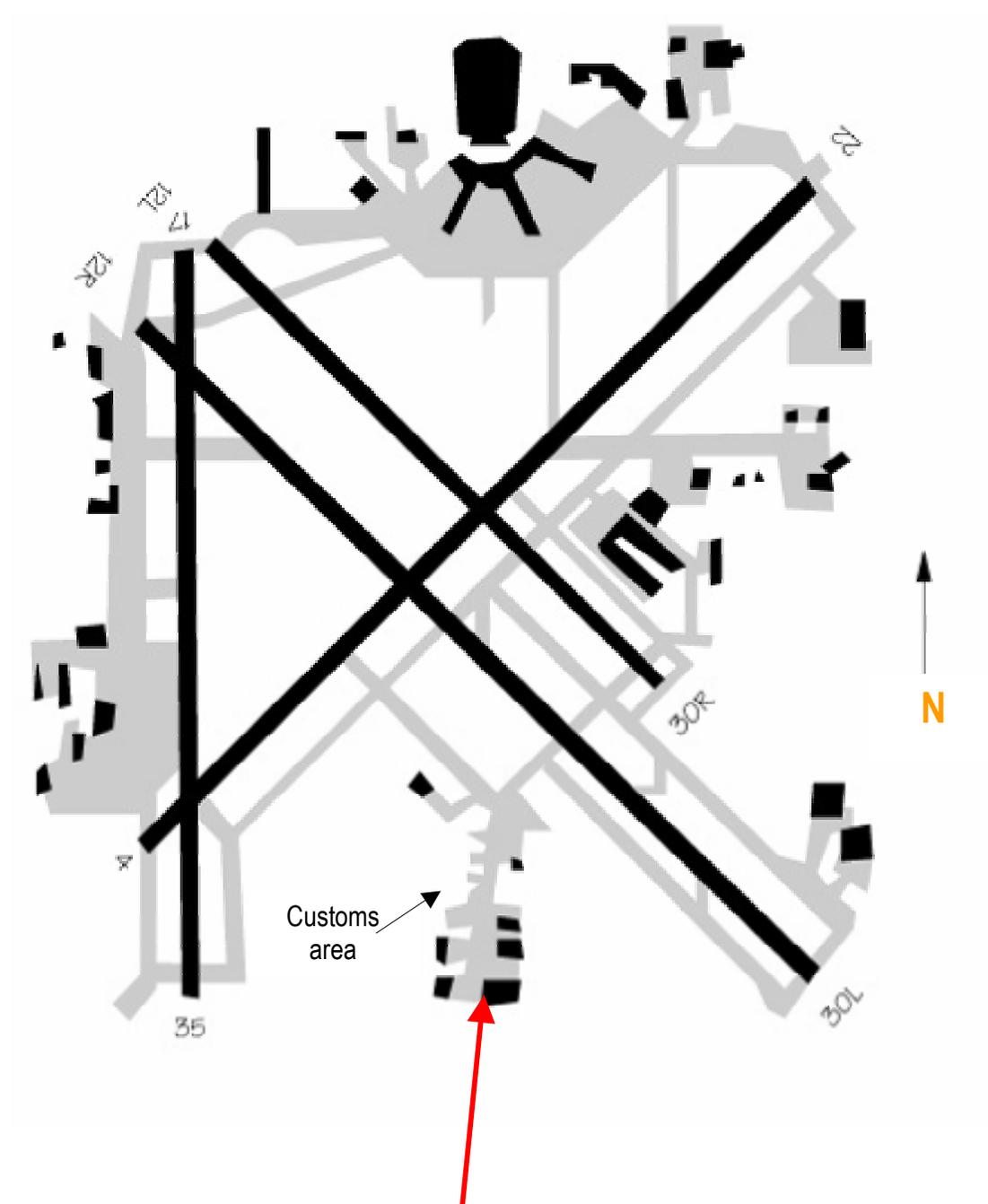
Place
Stamp
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HOUSTON, TEXAS 77061

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ATIS	124.60	GROUND	121.90
FINAL APPROACH	133.05	VOR	117.10
TOWER	118.70	CLEARANCE DELIVERY	125.45
UNICOM 122.95			



**Fletcher Aviation and
FletchAir, Inc
are located on the south ramp in the last
hangar on the east side.**