



FLETCHER, INC

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General Parts Catalog

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

6 th EDITION, 2007

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.

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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SECTION 10 - HARDWARE



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

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



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

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



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

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



**STAINLESS STEEL
"FLAT" TYPE WASHERS**

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



Screw Kits

**STAINLESS STEEL
AIRFRAME SCREW KITS**

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



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
D106	AA1 series Combo placard kit
D5081	AA5 series Interior placard kit
	* specify your fuel capacity when ordering.
D508E	AA5 series Exterior placard kit

We also offer individual placards!

Just let us know your needs!

FUEL SELECTOR VALVE PLACARDS



Part #	Description
803006-3	AA1 series
D5105	AA5 series with "18.5 gals. Per side" 5803006-1
D5106	AA5 series with "25.5 gals. Per side" 5803006-2



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
D210	L/H Ignition switch, start, master, etc. 5803007-5



D2101	Upper center 6 rocker switches, dimmer, circuit breaker, etc. 5803007-36
-------	--

Make sure you are equipped with 6 switches.



D2102	R/H Fuse Panel overlay 5803007-37
-------	--------------------------------------

Make sure you have 9 fuses.



D2103	Lower Center Engine controls 5803001-40
-------	--



D2104	Set of all four of the above placards
-------	---------------------------------------

SAVE MONEY – GET ALL FOUR!



SECTION 11 - PLACARDS AND MARKINGS - EXTERIOR

"CAT" DESIGNS AA1 SERIES



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



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

"CAT" DESIGN AA5A CHEETAH



Part#	Description
D503	Cheetah, L/H 5803010-1
D504	Cheetah, R/H 5803010-2

"CAT" DESIGN AA5B TIGER



Part #	Description
D501	Tiger, L/H 5803003-1
D502	Tiger, R/H 5803003-2

"SCRIPT" DESIGN AA5A CHEETAH 1979



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

"SCRIPT" DESIGN AA5B TIGER 1979



Part#	Description
D5011	Tiger "script" black For vertical stabilizer
D5012	Tiger "script" white For vertical stabilizer

"SCRIPT" DESIGN GA7 COUGAR



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



PRICES SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

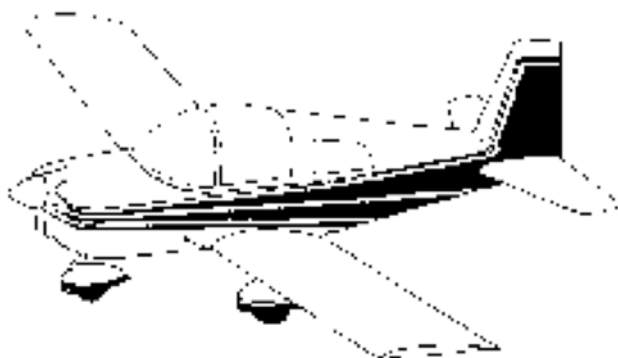


SECTION 11 - PLACARDS AND MARKINGS - EXTERIOR cont.

**BLOCK LETTER
DESIGNS**

"AMERICAN"

Part #	Description
D2056	Black Letter "AMERICAN"
D2057	White Letter "AMERICAN"



"GRUMMAN AMERICAN"

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



**AN AA5A TAKES
FLIGHT AT
FLETCHEIR,
INC.**

"YANKEE"

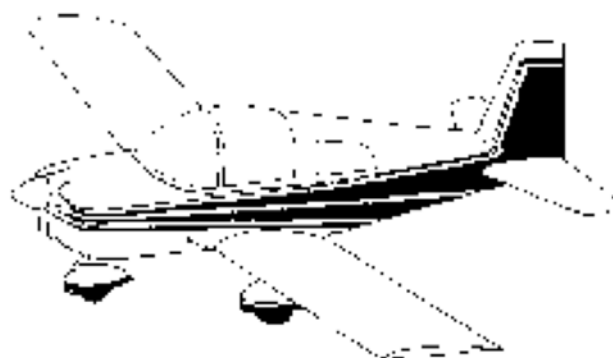
Part #	Description
D108	"YANKEE" Black
D109	"YANKEE" White

"TRAVELER"

Part #	Description
D513	"TRAVELER" Black
D514	"TRAVELER" White

"CHEETAH"

Part #	Description
D515	"CHEETAH" Black
D516	"CHEETAH" White



SECTION 12 - SERVICING - MANUALS

AA1 SERIES

Part#	Description
	
M101	Owner's Manual ('69-'72) "YANKEE" AA1
M102	Owner's Manual ('71-'72) "AMERICAN TRAINER" AA1A
M103	Owner's Manual ('73-'76) "TRAINER" "TR-2" AA1B
	<div style="text-align: center;"></div> <div style="text-align: center;"></div>
	
M104	Pilot's Operating Handbook ('77-'78) "T-CAT" "LYNX" AA1C
M105	Parts Catalog (Pre '77) AA1 - AA1B
M106	Parts Catalog ('77-'79) AA1C
M107	Service Manual (Pre '77) AA1 Series
M108	Maintenance Manual ('77-'78) AA1C Only

AA5 SERIES

Part #	Description
M509	Owner's Manual ('72-'74) "TRAVELER"
M510	Owner's Manual ('75 only) "TRAVELER"
	
M511	Owner's Manual (Pre '77) "CHEETAH"

Let our maintenance staff service your Grumman Aircraft.



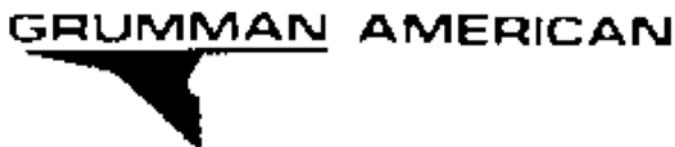
M511A	Flight Manual AA5 "CHEETAH"
M512	Pilot's Operating Handbook ('77-'79) "CHEETAH"
M513	Owner's Manual (Pre '77) AA5B "TIGER"
M513A	Flight Manual AA5B "TIGER"
M514	Pilot's Operating Handbook ('77-'79) AA5B "TIGER"



SECTION 12 - SERVICING - MANUALS cont.

AA5 SERIES – cont.

Part #	Description
M514A	Pilot's Operating Handbook And approved Flight Manual AG5B "TIGER"
M514B	Pilot Information Manual AG5B "TIGER"
M515	Parts Catalog (Pre '77) AA5 Series
	
M516	Parts Catalog ('77-'79) AA5A/B
M516A	Parts Catalog Supplement AG5B "TIGER"
M517	Maintenance Manual ('71-'79) AA5 Series
M517A	Maintenance Manual Supplement AG5B
M518	Service Manual (Pre '77)



GA7

Part #	Description
M718	Pilot's Operating Handbook GA7 "COUGAR"
M719	Maintenance Manual GA7 "COUGAR"
M720	Parts Catalog GA7 "COUGAR"





**DAVID FLETCHER
ANSWERS MOST
TECHNICAL
QUESTIONS**

TECHNICAL MANUALS

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

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



SECTION 12 - SERVICING - MANUALS cont.

ENGINE MANUALS

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

LOGBOOKS

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



SECTION 12 - SERVICING – SHOP EQUIPMENT

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



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
-------	-----------------------------------

Part#	Description
T2162	Safety Wire .021" Stainless Steel
T2161	Safety Wire .032" Stainless Steel
T2160	Safety Wire .041" Stainless Steel



W268	Brake Lining Rivet Installation Tool
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SECTION 12 - SERVICING – SHOP EQUIPMENT – cont.

Part #	Description
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T2055 Adhesive, 3-M 1357
5 oz tube
(Airfreight not available)



X2073 Sealant, RTV Silicone
10 oz. Caulk Gun Size

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

W212 Tow Bar AA1/AA5 SERIES



Full set not shown

RENTAL TOOLS 75 Rigging Tool Set Rental Program

SECTION 24 - ELECTRICAL – VOLTAGE REGULATOR/OVER VOLTAGE PROTECTION

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



B501 12 Volt, AA5 Series
This is not your grandpa's style voltage regulator. New, solid-state design.



B504 24 volt, AG5B
Serial # 10038 and up



B505 24 Volt, AG5B
Serial # 10037 and below
B-00368-15

B2031 40 AMP, AA1 series

B2030 60 AMP, AA1 series

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
B502	Pre 1978 AA1, AA5 series Over voltage diode (install on field circuit breaker) 5402012-501
1N4004	Battery Relay Diode 5402012-502
1N4154	Master Switch Diode 5402012-503

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



B301 Alternator Static Noise Filter



A2120 Flap Switch



A2121 Flap Switch Weather Boot
N1030B

*Keep dust &
moisture out of
your flap switch.*



B204 Flap Limit Switch

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



**Always be
prepared, at this
price it is wise
to carry a spare
or two!**

B206 Rocker type panel switch



B207 Starter Relay, 12 volt



B208 Battery Relay, 12 volt

We also have 24 volt relays for AG5B owners



B2081 Split Master Switch



B20605 5 AMP Circuit Breaker



SECTION 24 - ELECTRICAL – COMPONENTS - cont.

Part # Description



B20610 10 AMP Circuit Breaker



B20615 15 AMP Circuit Breaker



B20620 20 AMP Circuit Breaker

Part # Description



B20660 60 AMP Circuit Breaker

B511 8 OHM Speaker
'76 AA5A/AA5B
2 required

B214 Battery Box Top
AA1 – AA5B

402012-505 Battery Box AA1 – AA5B
MS35489-100 Grommets for above

P202 Ignition Switch AA1 – AA5B

TIGM61-1C-WH-FN Map/Dome Light Switch

SECTION 25 - EQUIPMENT AND FURNISHINGS

INSTRUMENT PANEL COMPONENTS

Part # Description



A2010 Black Instrument Panel Overlay
102340-3 AA1 – AA5B

Part# Description



A202 Black Lower Instrument Panel
Overlay
5102315-503 AA1 – AA5B

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
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A2030	Black Glove Box Door 102360-7 AA1 – AA5B
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A2033	3-sided Preformed Glove Box 102318-501 AA1 – AA5B
-------	--



A512	Black Upper Glareshield 5102338-1 AA1 – AA5B
------	---



A213	Black Lower Glareshield 5102338-2 AA1 – AA5B
------	---

A462	Glareshield Nut Plates
------	------------------------

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

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

MS24693BB29	Brass Screws for Instruments
-------------	------------------------------



A3236-012-24A	Counter-sunk washer for 100° Countersunk Screw
---------------	---

*Have you checked your instrument bulbs?
See page 43*

INTERIOR TRIM/PLASTIC MOLDINGS AA1 SERIES

Part #	Description
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A106	Overhead Speaker Molding 102344-54 AA1 Series
------	--

A1070	R/H Rear Window Molding 102344-49 AA1 Series
-------	---



A1071	L/H Rear Window Molding 102344-48 AA1 Series
-------	---

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.



SECTION 25 - EQUIPMENT AND FURNISHINGS – cont.

**INTERIOR TRIM/PLASTIC MOLDINGS
AA5 SERIES**

Part # Description



A508 Canopy Latch Cover
5102344-54



A5081 L/H Canopy Windows Molding
5102344-61

A5082 R/H Canopy Windows Molding
5102344-62

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



A5083 Center Canopy Molding
5102344-53



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

Part # Description



A5084 R/H Rear Window Molding
(1974 and on)
5102353-6

A5085 L/H Rear Window Molding
(1974 and on)
5102353-5



5102338-502 R/H Forward Upper Molding
AA5 – AA5B



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



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



5102344-34 Console Front (fuel gauge)
AA5 – AA5B

All Moldings require some trimming before installation.



SECTION 25 - EQUIPMENT AND FURNISHINGS - cont.

INTERIOR TRIM/PLASTIC MOLDINGS AA5 SERIES

Part # **Description**



5102344-23 Console Center (for trim wheel)
AA5 – AA5B



5102344-36 Console Aft (spar cover)
AA5 – AA5B



5102344-32 Panel, R/H center console
sidewall AA5 – AA5B

5102344-33 Panel, L/H center console
sidewall AA5 – AA5B



5102353-49 L/H Rear sidewall panel
AA5 – AA5B

5102353-50 R/H Rear sidewall panel
AA5 – AA5B

Part # **Description**



5102353-7 Baggage Door Panel
1975 AA5 – AA5B



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



5102353-48 Rear Baggage Enclosure
1975 AA5 – AA5B



5102373-511 Inspection plate cover
baggage enclosure 1975 AA5 – AA5B
PC47295
Installation clips for above
6 required.



5102353-28 Sill for Hat Shelf
1975 AA5 – AA5B



5102353-1 Hat Shelf
1975 AA5 – AA5B

All Moldings require some trimming before installation.



SECTION 25 - EQUIPMENT AND FURNISHINGS – cont.

INTERIOR TRIM MISC

Part # Description



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

Part # Description



U202 Wire Clip Retainer For Shoulder Harness 8769517

SEAT PARTS

Part # Description



NEW item!
Previously unavailable.

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

Part # Description



102348-4 AA1 Series Inboard Seat Track

102348-2 AA1 Series Outboard Seat Track



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

A2906 Ball Bearing for Seat Track
Grade #4



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



A2913 Rubber End Cap
Seat Adjustment Handle
D4410



NEW item!
Previously unavailable.

5102328-36 Seat Pan AA5 Series



A1919 AA1 Seat Adjustment
Handle Spring 102336-1



SECTION 27 - FLIGHT CONTROLS

FLIGHT CONTROLS

Part # Description



A5281 AA1/AA5 Inboard Elevator Bearing Support
902010-502



A230 Rudder Pedal Pivot Plug
601029-1



5901005-2 Drive Bolt, Flap Control Arm

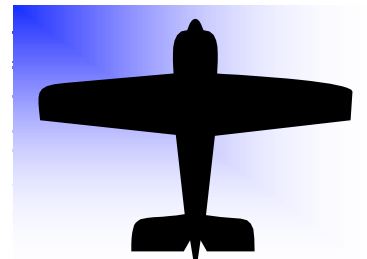
Part # Description



601029-1 Bushing C Rudder Bar/Flap Torque Tube
All AA1, AA5 Series aircraft.



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



ELEVATOR TRIM CONTROLS

Part # Description



601053-2 Rudder Return Spring
AA1 – AG5B
Must be replaced every 1000 hours.
Don't allow a broken spring to ground you – carry a spare!

Part # Description



607012-1 Roller, Elevator Trim Arm
AA1 – AG5B

607012-2 Bushing, Elevator Trim Arm
AA1 – AG5B



SECTION 27 - FLIGHT CONTROLS – cont.

ELEVATOR TRIM CONTROLS – cont.

Part # Description



A2150 Trim Wheel Gear (Undrilled)
607007-3
AA1 – AA5B



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



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



A2160 AA1 Bungee Guide Assembly
602110-2

Part # Description



5302026-9 '72-'75 AA5 L/H Trim Arm

5302026-10 '72-'75 AA5 R/H Trim Arm



5302026-15 '75-'79 AA5A/AA5B
L/H Trim Arm

5302026-16 '75-'79 AA5A/AA5B
R/H Trim Arm

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



5302053-502 AA5A/AA5B Actuator for Trim Screw



A2157 4LI-FF Nyliner Bearing For Flex Shaft at Trim Wheel



A2156 AA5A/AA5B Yoke, trim Trim bellcrank 5302053-503

Part # Description



A2152 Trim Flex Coupling 607010-2



A5158 Undrilled Control Sprocket 5603068-3



A5159 Undrilled Control Sprocket 503068-1



Juan in shipping gets your orders out fast



SECTION 27 - FLIGHT CONTROLS – cont.

CONTROL COLUMN

Part # Description



5603068-2 Aileron Control Sprocket



A261 AA1/AA5 series control wheel
NO shaft or rivet
602108-1

SX1015 PTT Grips control wheel



602113-1 Steel Rivet to attach
control wheel



A262 Short Control Wheel Shaft
With Horizontal hole
602109-1

Part # Description



A264 Bushing, Control column shaft
For AA1, AA1A, AA1B(0001-0237)
AA5(0001-0405)
602110-1



Assembled view



Disassembled View

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

Fix control column play with bushing assemblies from
FletchAir.



A266 Lock Sleeve, pilot-side control
Column shaft
602118-1
(4 rivet holes for mounting)



SECTION 27 - FLIGHT CONTROLS

CONTROL COLUMN

Part # Description



A267 Gust Lock
All AA1's and AA5's
602111-501

A268 Sleeve for sprocket on control
Column shaft
602104-3



A569 "T" shape, AA5 series control column
5602102-501



5602110-1 Control Wheel Rubber cover/pad

CONTROL SURFACE BEARINGS

Part # Description



A251

A252

A250

A253

A250 Bronze/Teflon Bearing
All AA1's/AA5's
902013-1

A251 Bronze/Teflon Bearing
All AA1's/AA5's
902013-2

A252 Bronze/Teflon Bearing
All AA1's/AA5's
902013-3

A253 Bronze/Teflon Bearing
All AA1's/AA5's
902013-4

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
--------	-------------



904003-2	Oversize stainless Steel Sleeve
----------	---------------------------------



904003-3	Oversize Bearing
----------	------------------



904003-5	Oversize Shim
----------	---------------

904003-4	Oversize chamfered spacer	n/a
	Not Available	
	Must enlarge ID on your 902014-1 spacer	



AA1-AG5B SERIES AIRCRAFT – UPPER RUDDER TORQUE TUBE REPAIR

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



904003-1	Oversize Stainless Steel Sleeve
----------	---------------------------------



904003-3	Oversize Bearing
----------	------------------



904003-5	Oversize Shim
----------	---------------

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

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



SECTION 27 - FLIGHT CONTROLS – cont.

CONTROL SURFACE TORQUE TUBE REPAIR

AA1-AG5B SERIES AIRCRAFT – LOWER RUDDER TORQUE TUBE REPAIR

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



904003-2	Oversize stainless Steel Sleeve
----------	---------------------------------



904003-3	Oversize Bearing
----------	------------------



904003-5	Oversize Shim
----------	---------------

904003-4	Oversize chamfered spacer	n/a
Not Available		
Must enlarge ID on your 902014-1 spacer		



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

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



904003-1	Oversize Stainless Steel Sleeve
----------	---------------------------------



904003-3	Oversize Bearing
----------	------------------

904003-5	Oversize Shim
See photo at left	

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



R C/609	Loctite Retaining Compound
.34 fl oz	

SK121A	Copy of Service Kit 121A
--------	--------------------------



SECTION 27- FLIGHT CONTROLS – cont.

FLAPS



A2120 Flap Switch AA1's – GA7



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



B204 Flap Limit Switch

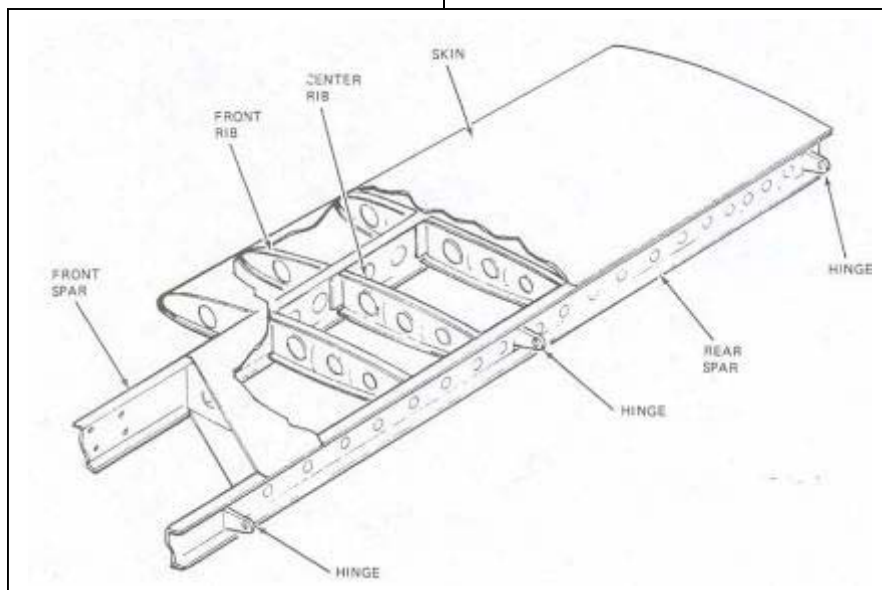
We also have flap switch handles.

A5137 91.5" Flap Position Indicator Cable

A1131 Slip nut for AA1 flap clutch



A5135 Flap Center Torque Tube AA5A/AA5B





SECTION 28 - FUEL

Part # Description



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



F501 24 volt AG5B Electric Fuel Pump
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



F2031 Fuel filter for above Electric Fuel Pumps
479729

Part # Description



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



Stiff or leaking fuel selector? Try this inexpensive repair.

F2060 Fuel Selector valve
O-Ring and Lubricant "kit"



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

Carry a spare!



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



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

F208 Outboard Fuel Drain
All AA5 series and GA7



SECTION 28 – FUEL – cont.

Part # Description



F511 Mechanical Primer for AA5 series
FAA/PMA K2403-2

F5110 Repair kit for Mechanical Primer

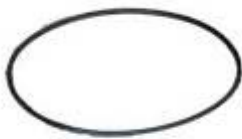
Have your Fuel float balls lost their buoyancy? Don't forget the u-cup seals.



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



14-2 U-cup seal for AA1 fuel gauge



F115 O-Ring for AA1 series
Fuel tank end plate

Part # Description



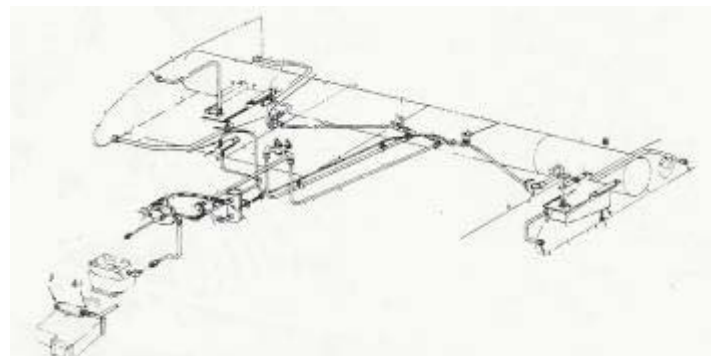
5901009-1 Overhauled AA5 series
fuel quantity transmitter
sold "exchange" for core unit only



I5451 Gasket for AA5 series
Fuel quantity transmitter
5201001-9

F2083 O-Ring (Large) for "flush type"
Fuel cap

F2084 O-Ring (small) for "flush type"
Fuel cap





SECTION 28 – FUEL – cont.

Part # Description



F20856 Fuel Cap
1969-1978 with fixed handle

Part # Description



F2085 Gasket for F20856 fuel cap

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



FUEL TANK SEALANT

Part # Description



F520 1 pint kit high adhesion kit
For use inside fuel tank



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

Part # Description



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

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





SECTION 30 – WEATHER PROTECTION

SEALS

Part # Description



G201 Double Beaded Windshield Bow seal
AA5 series
Helps to prevent air and water leaks.



G502 Forward canopy bow seal
AA5 series



G203 Single Beaded windshield bow seal
AA1 and early AA5 series



G204 **White** fuselage to canopy seal
All AA series



G205 **Black** canopy to fuselage seal
All AA series

Part # Description

G507 Hollow core, quarter-rounded
Baggage door seal, AA5 series



G208 1"

G209 1 1/2"

G208 1" wide wing root seal
All AA1's and Pre '77 AA5's

G209 1 1/2" wide wing root seal
Late AA5's and optional for all
AA1's and early AA5's

G2102 Red, high temp silicone
3" x 9" x 3/32" roll of engine
baffle seal

GRUMMAN AMERICAN

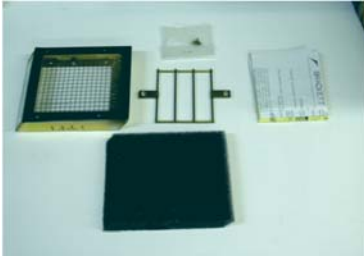




SECTION 30 – WEATHER PROTECTION – cont.

FILTERS AND ELEMENTS

Part # Description



P250
AA1 through '74 AA5
*STC'd to replace the original factory assembly



P251
Foam element for P250 assembly



P252
Foam Element for 1975 AA5 Traveler
And all AA5A's



P253
Foam element AA5B's and GA7's

Part # Description



P254
Foam element with wire screen center
For AA5B's and GA7's



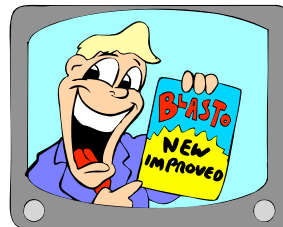
Don't let bad weather slow you down.



5500015-1
Plate, carb side w/cut out
for AA5B filter assembly



3300015-2
Plate, outboard side, no cut out
for AA5B filter assembly



**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
MS24694S82	Screw for "-1" and "-2" plates
A10K130	Rivnut for "-1" and "-2" plates
X2074	Foam sealing tape For "-1" and "-2" plates



P256 Foam element for AG5B

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



P2571 AA5A air filter element
RETENTION SCREEN (2 required)
To comply with AD81-24-03 and
Service Bulletin #170

5503006-11 Retainer straps for retention screens
(8 required)

A1601 Rivets for Retainer straps above.
(16 required)



P2572 Warning Placard for filter element
On all AA5, AA5A, and AA5B.
Required by AD 81-24-03

FletchAir is a proud supporter of the AYA





SECTION 30 – WEATHER PROTECTION – cont.

FILTERS AND ELEMENTS

Part #	Description
P258	 <p>Main Vacuum System filter Replace every 400 hours</p>

Part #	Description
P259	 <p>Vacuum system regulator filter Replace every 100 hours</p>




SECTION 32 – LANDING GEAR

WHEEL FAIRINGS

Part #	Description
W241	<p>Fiberglass Wheel Fairing Kit *Kit does not include fiberglass fairings Includes hardware to complete installation.</p> <hr style="border-top: 1px dashed black;"/> 
W238	<p>Nose Wheel Fairing Shell, Fiberglass</p>

Replace your old plastic fairings with



Part #	Description
W239	 <p>L/H main wheel fairing shell, fiberglass</p>
W240	 <p>R/H main wheel fairing shell, fiberglass</p>
W219	 <p>L/H Brake cover, plastic '75 AA5 – AG5B</p>
W220	<p>R/H Brake cover, plastic '75 AA5 – AG5B</p>



SECTION 32 – LANDING GEAR

WHEEL FAIRINGS

Part # Description



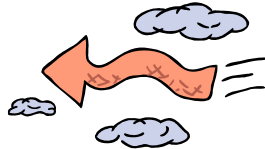
5701050-9 L/H fuel sump cover, plastic
'75 AA5 – AG5B

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



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

Streamline your Main Landing Gear legs.



W226 Flex bolt for main gear fairing

Part # Description



W221 "V" shaped nose strut fairing
AA1 – AG5B



W242 R/H nose fairing attach bracket

W243 L/H nose fairing attach bracket



W244 Nose fairing top seal retainer
Ring



W2441 Nose fairing top seal



The TA Tiger 2002 Wheel View



SECTION 32 – LANDING GEAR

WHEEL FAIRINGS

Part # Description



W230 Nose Gear strut-to-firewall Boot



702060-1 Retainer for strut-to-firewall boot

Part # Description



5702002-3 Nose Strut-to-lower engine cowl boot '75 AA5 – AG5B

5702002-2 Retainer for strut-to-engine cowl boot '75 AA5 – AG5B

LANDING GEAR COMPONENTS



W146 AA1 series main gear Fiberglass strut

W545 AA5 series main gear Fiberglass strut



W2331 Nose gear strut



Ask about our tool-aid to assist in removal.







W233 Nose gear Torque Tube *Core Charge of applies.

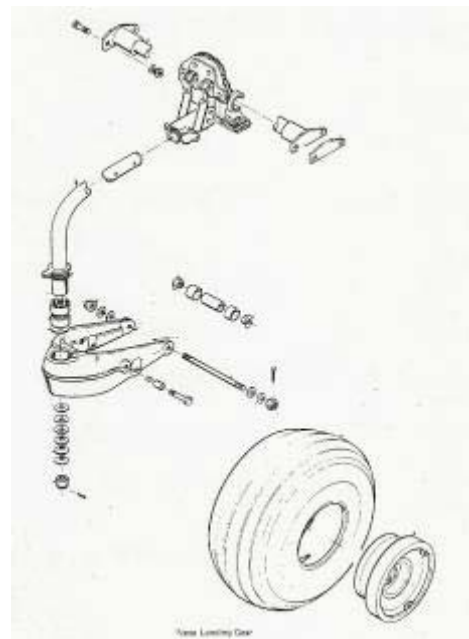


SECTION 32 – LANDING GEAR – cont.

LANDING GEAR COMPONENTS

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

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





SECTION 32 – LANDING GEAR – cont.

LANDING GEAR COMPONENTS

Part # Description



W2271 Yoke for Lower shock mount



W272 Upper Firewall shock mount



W251 Nose Wheel Axle Bolt



W252 Nose Axle Tube

Part # Description



W253 Nose Axle Plug



702053-5 Nose Axle Spacer



W254 Nose Tow Pin, Post 1977

W228 Nose Gear Bellville Washers

Help to maintain desired tension and reduce nose wheel shimmy.



SECTION 32 – LANDING GEAR – cont.

WHEEL BEARINGS

Part # Description



W215 Nose Wheel Bearing



W214 Nose Wheel Bearing Race



Our wheel bearing and races are FAA PMA approved.

Part # Description



W213 Main Wheel Bearing



W217 Main Wheel Bearing Race

BRAKE COMPONENTS

Part # Description



W206R Steel Brake Disc, AA1-AG5B

Frequent inspection helps maintain effective braking. Minimum Thickness .205



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

Part # Description



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



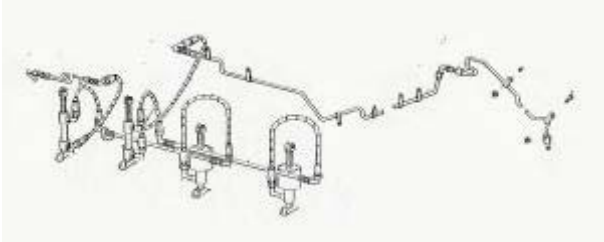
W258 1 3/4" Piston for W257 caliper



SECTION 32 – LANDING GEAR – cont.

BRAKE COMPONENTS

Part # Description



Brake Schematic

W259 1 3/4" O-Ring for W258 Piston



W260 2" Brake Caliper
1975 and on AA5 series

W261 2" Piston for W260 caliper

W262 2" O-Ring for W261 Piston



Part # Description



W270 Brake Master Cylinder
Pilot side. Provision for pre-1978
Parking brake not available

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



W271 Brake Master Cylinder
Co-Pilot side



W706 Steel Brake Disc, GA-7 Cougar



W710 Short Brake Lining, GA-7
Requires 4 each as well as
2 each of W711



SECTION 32 – LANDING GEAR – cont.

BRAKE COMPONENTS

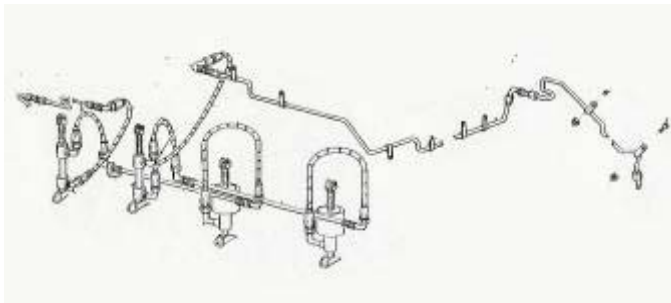
Part # Description



W711 Long Brake lining, GA-7
Requires 2 each as well
As 4 each of W710

W263 Back Plate with Lining

W264 Pressure Plate with Lining



Brake Schematic
We also supply brake hoses!!



W265 Bleeder Seat
081-00100



Part # Description



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



W2651 Bleeder Screw
079-00300



W201 Torque Plate
075-05600



W202 Anchor Bolt
069-00400

Good caliper alignment helps prevent a sticking brake.

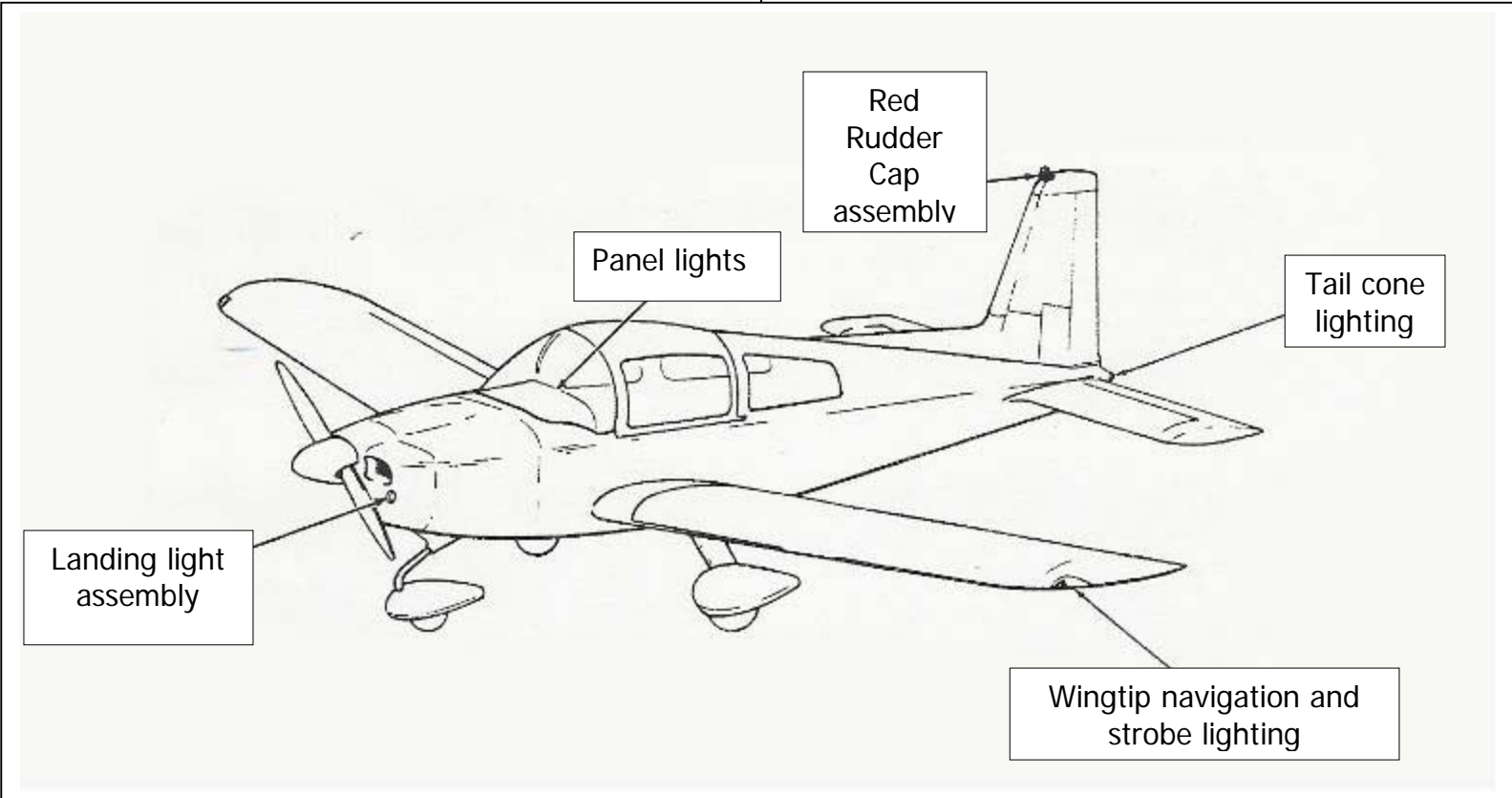


SECTION 33- LIGHTING

LANDING LIGHTS

Part # _____ Description _____

Part # _____ Description _____



229	Landing Light cover AA1 Series, .060" thick

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

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

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

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

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

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

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



SECTION 33- LIGHTING – cont.

LANDING LIGHTS

Part # Description



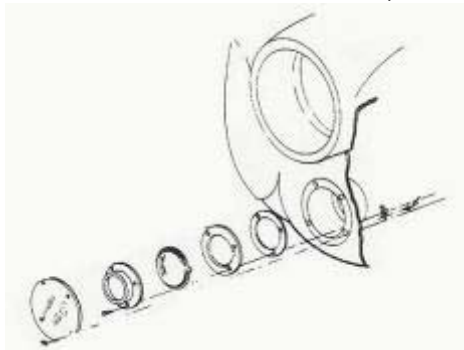
L210 Landing Light Bulb, 12 volts,
For nose cowling landing lights
and R202/R203 conversions kits.



L227 Bulb, AG5B wingtip
landing light
Serial # AG5B-99998, 10000 – 10043
64156



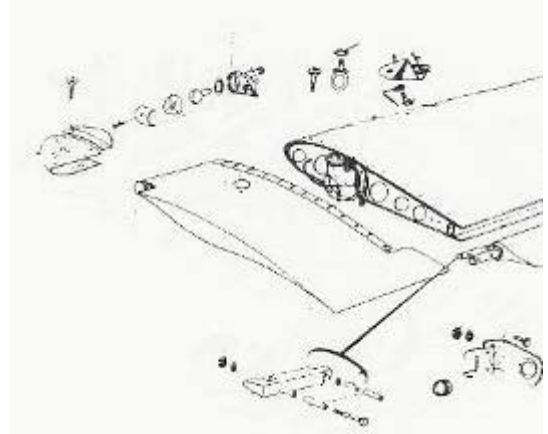
01-0770346-01 Landing Light Assembly,
AG5B wingtip
Serial # AG5B 10044 and subsequent



Nose Cowling Landing Light Assembly Diagram AA5 Series

NAVIGATION/POSITION LIGHTS

Part # Description



208 Cover, L/H navigation light
Wingtip AA1 – AG5B

209 Cover, R/H navigation light
Wingtip AA1 – AG5B

L217 Lamp, clear, nav. Light
Wingtip 12-volt



L224 Lens, Green, ,R/H nav. light
Wingtip

L225 Lens, Red, L/H nav. Light
Wingtip

L226 Lens, Clear, Position light
Tail Cone

L212 Lamp, Clear, Position light
Tail Cone 12-volt

Inspect for proper installation.

Green – Right side

Red – Left side

Clear – Tail section





SECTION 33- LIGHTING – cont.

NAVIGATION/POSITION LIGHTS

Part # Description



L201 12-volt Strobe Light Kit, Wingtips Aeroflash. Includes 2 power supplies, 2 strobe light assemblies and switch.
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.



L203 12-volt Strobe lamp assembly with Clear lens for L201 strobe light kit.

Part # Description

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.

L205 12-volt Power Supply, strobe, for L220 strobe light kit.

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



SECTION 33- LIGHTING – cont.

NAVIGATION/POSITION LIGHTS

Part # Description



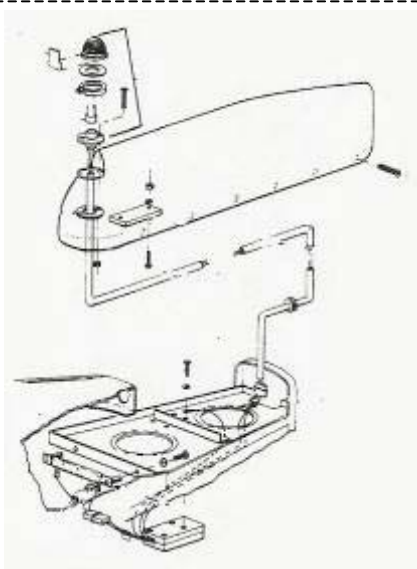
L209 12-volt Lamp, clear, flashing beacon
On Rudder cap



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

L2093 Gasket for the above lens
Seals and protects the beacon

L2092 Socket Base for above lens
Bulb 073-0021



Part # Description



L2081 Clamp, red lens, flashing
Beacon on rudder cap



L223 Power Supply, flashing beacon
Pre- 1979 Grumman



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



B3156 "Red Rudder Cap" STC kit
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



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



L2141 Socket, for instrument panel
Lights

L215 Lamp, compass lighting
12 volt

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



Part # Description



L2161 Light shield for original
"goose neck" map light assembly



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

64405 Bulb, for Flex light, 12 volt

272-1141A Lamp Assembly, fuel gauge
12 volt

GE73 Bulb, Alternator Warning light



SECTION 33- LIGHTING – cont.

EMERGENCY LOCATOR TRANSMITTER

Part # Description



I256 Battery for NARCO ELT-910 transmitter

I2551 External whip antenna For ELT-910

Part # Description



I2552 Antenna, pull-out band-type For ELT-910



INSTRUMENTS/ENGINE INDICATING

Part # Description



I236 Hour Meter, 3-hole mount



I237 Switch, oil pressure for Hour meter activation

Part # Description

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





SECTION 33- LIGHTING – cont.

INSTRUMENTS/ENGINE INDICATING



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

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

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

I238 Amp Meter, overhauled
exchange for AA1 and AA1A

I239 Amp Meter, overhauled
exchange for AA1B through AA5B



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



362EX Probe, Oil Temp
for Testing only



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

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



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



I210 Compass, lighted
Mounts on windshield bow 12 volt

I209 Compass, panel mounted.
NOT LIGHTED



SECTION 52 - DOORS

AA1 SERIES CANOPY LATCH PARTS

Part # Description



A1370 Spring



A1371 Roller



A1372 Retainer



A1373 Outside Latch Handle
Undrilled

AA1 Canopy diagram



Part # Description



A1374 Bearing Block at windshield bow



A1377 Lock Knob, Canopy



Ask about our roll pin installation.

A5400 Roll Pin
To secure track runners



A140 Track Runners



SECTION 52 – DOORS – cont.

AA5 SERIES CANOPY LATCH PARTS

Part # Description



A535 Canopy Latch Assembly

Be sure to order all your canopy latch placards.



A508 Canopy Latch Cover



A5360 Bracket on Windshield bow For canopy latch



A5361 Latch striker, rivnut, and Screw assembly

Part # Description



A5362 Shims, to adjust canopy Latch tension
Before adjusting latch, check and Replace seals if necessary.



A540 Track Runners

5102270-501 Canopy Track Rails, inner with spline nuts

Ask about our track runner
single tool rental



5102353-7 Plastic overlay for baggage door



SECTION 53 - FUSELAGE

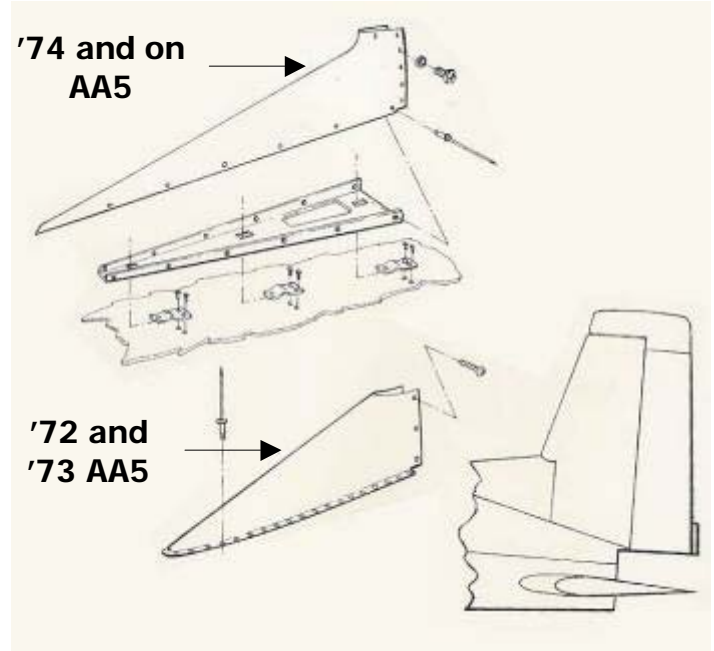
DORSAL FIN



A5250 Dorsal Fin, fiberglass
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
32 required



A3236-012-24A Countersunk washer.
To attach dorsal fin. 12 required.

A1784-671 Clip nut
12 required to attach dorsal fin.

2003 Tiger Aircraft Tail section



5302040-3 Clip, to attach dorsal fin
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!



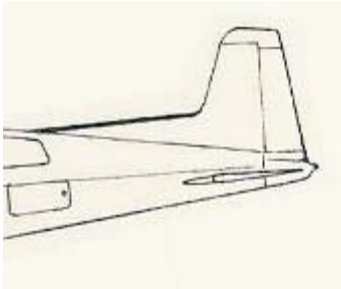
Refresh your aircraft's exterior

SECTION 53 - FUSELAGE

Replace all your exterior plastic moldings today!

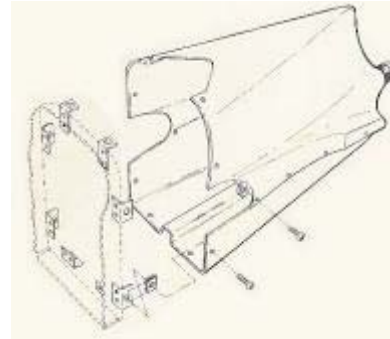
TAIL CONE

Part # Description



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

Part # Description



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

BOARDING STEPS

Ask about the required mounting aluminum bolts.



A2533 L/H boarding step
AA5 Series



A2534 R/H Boarding step
AA5 Series

HORIZONTAL STABILIZER



A5232 Root Fillet
AA5A - AG5B Horizontal Stabilizer

ELEVATOR TIPS



A527 Elevator Tips
For AA5A and AA5B



SECTION 56 - WINDOWS

WINDSHIELD AND WINDOW INSTALLATION

Part # Description



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

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

Part # Description



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

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

WINDSHIELD, WINDOWS, AND CANOPIES

Available in Clear (CL). Green Tint (GT). and Smoke Grav (SG)

**Our window prices are
UNBEATABLE!**

657 1/8" thick windshield, AA1

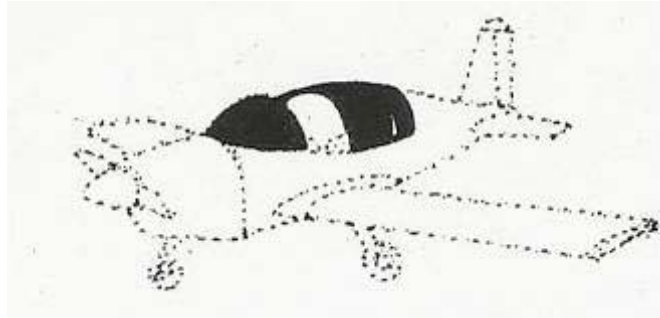
658 1/8" thick canopy, AA1
Requires truck freight



SECTION 56 – WINDOWS- cont.

WINDSHIELD, WINDOWS, AND CANOPIES

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

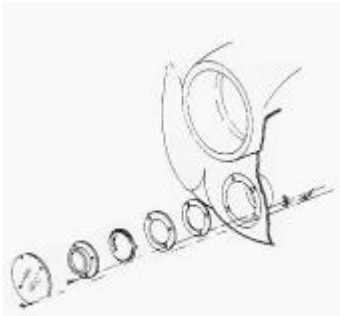


659 1/8" thick L/H rear window
AA1

660 1/8" thick R/H rear window
AA1

Extends the life of your navigation lights.

208 Navigation light lenses
L/H AA1A through AG5B



209 Navigation light lenses
R/H AA1A through AG5B



X203 832 Rubber mounted Rivnut
For 228 and 229 covers.

229 1/16" landing light cover

X104 Sun Screen, dark tint AA1 series

Ask about the installation clips when you order!

X205 Insert, sun visor, dark green
AA1 through AG5B
(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 1/4" thick windshield
AA5 series

215 1/8" thick, canopy window
L/H side, AA5 series

216 1/8" thick, canopy window
R/H side, AA5 series

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

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



Don't forget sealant & foam tape!

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

228 Landing light cover, AA5 series

050 Windshield, GA7 Cougar
Requires truck freight

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

See page 45.

X707 Navigation light cover
L/H GA7 Cougar

X708 Navigation light cover
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

062 Cabin vent window
GA7 Cougar

063 R/H Cabin Door window
GA7 Cougar

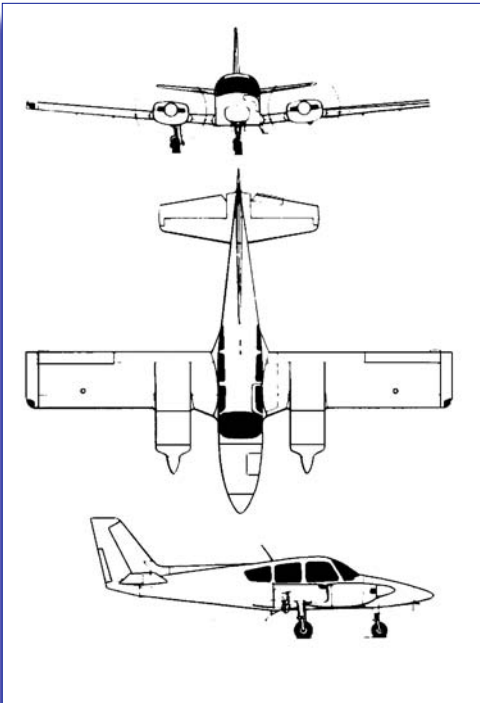
521 L/H Center Emergency Exit
Window, GA7 Cougar



522 R/H Center Cabin window
GA7 Cougar

523 L/H Rear Cabin Window
GA7 Cougar

524 R/H Rear Cabin Window
GA7 Cougar





SECTION 57- WINGS

WING ROOTS

All Wing roots and Wing tips require truck freight.



A5921 L/H Wingroot
'72-'74 AA5 series

A5920 R/H Wingroot
'72-'74 AA5 series

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

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

A1925 L/H Wingroot
AA1 Yankee

A1924 R/H Wingroot
AA1 Yankee

A1927 L/H Wingroot
AA1A – AA1C series

A1926 R/H Wingroot
AA1A – AA1C series

WING TIPS



A5931 L/H Wingtip
AA5 Series

A5930 R/H Wingtip
AA5 Series

A1933 L/H Wingtip
AA1 Yankee

A1932 R/H Wingtip
AA1 Yankee



SECTION 57- WINGS – cont.

WING TIPS



A1935 L/H Wingtip
AA1A – AA1C series

A1934 R/H Wingtip
AA1A – AA1C series

A7937 L/H Wingtip
GA7 Cougar

A7936 R/H Wingtip
GA7 Cougar



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

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

AILERONS



5603074-4 Aileron Stop
all AA5 Series

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



A2581 Shim, .020" thick.
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
AA5 Series



SECTION 57- WINGS – cont.

AILERONS –cont.



A2583 Bellcrank, aileron, AA1 series



A2584 Bellcrank, aileron, AA5 series



9101 Plug, Rubber for hole in aileron



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

WING ACCESSORIES

901044-1 1 1/16" Short spar bolt

901044-3 1 7/16" Long spar bolt
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.
Required lubricant for spar, as per maintenance manual.

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

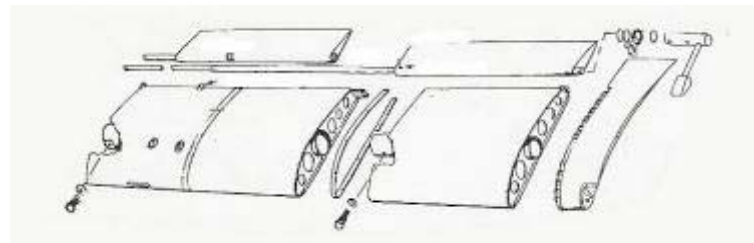
- NAS1031P5 Nut Plate, for spar bolt Attachment



- 5201194-1 Spar Shim, .012" thick

- 5201194-2 Spar Shim, .016" thick

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
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
For AA5B
60" – 65" pitch approved.

PROPELLER PARTS AND ACCESSORIES

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

NEW



506003-3 Spinner, metal, AA1 series



P1035 Prop Bolt Set, AA1C
Sensenich Prop



P1034 Prop Bolt Set, AA1 – AA1B
McCauley Prop



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



SECTION 61 – PROPELLERS – cont.

PROPELLER PARTS AND ACCESSORIES – cont.



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



5506011-3 Doubler, Service Kit 143 style AA5B



Composite comes with 4 year warranty!

5506010-501 Forward Spinner Bulkhead Aluminum (SK 143), AA5 and AA5A

5506010-501C Composite

5506010-503 Forward Spinner Bulkhead Aluminum (SK 143), AA5B

5506010-503C Composite



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



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



AN526C1032R8 Stainless Steel Screws For Service Kit 143 Spinner Kit 22 required.

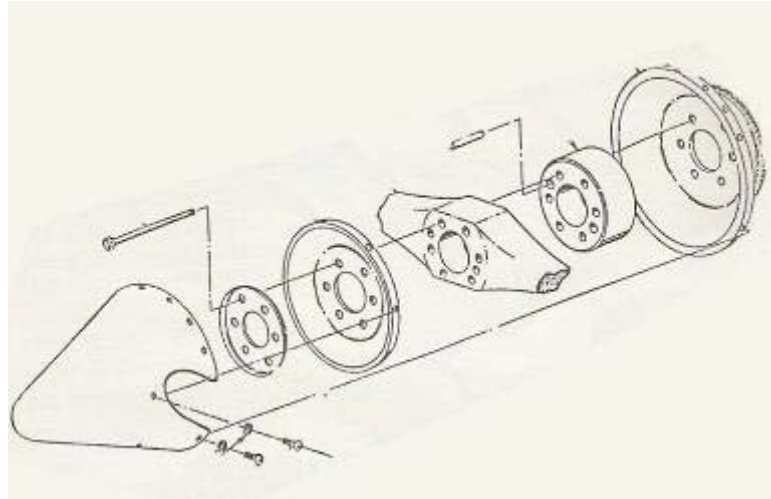


A1020 Plastic Washers For Service Kit 143 Spinner Kit 22 required



SECTION 61 – PROPELLERS – cont.

PROPELLER PARTS AND ACCESSORIES – cont.



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

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

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

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



SECTION 71 - POWERPLANT

ENGINE ACCESSORIES



P216 Vacuum Pump
 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
 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.



P258 Filter for Main Vacuum System
 Replace every 400 hours.



P259 Filter for Vacuum regulator
 Replace every 100 hours



P260 Filter for AG5B Vacuum System



P119 40 AMP AA1 Alternator
 Requires Core Deposit

P120 60 AMP AA1 Alternator
 Requires Core Deposit

P521 60 AMP Alternator
 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



P222 Alternator Belt
All AA1's and AA5's

**Play it safe
Carry an extra belt**



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

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

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

P525 Strut, starter to alternator
on AA5 – AA5B



P526 Adjuster bracket for alternator
On AA5 – AA5B.



B301 Electronic Noise Filter
For alternators.



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



P229

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



P528

Intake Duct for AA5B Tiger



*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"



MIL-H-6000-3/4"

Crankcase vent hose
2 feet required

Comply with SB187 with this inexpensive hose.



SECTION 71 – POWERPLANT – cont.

ENGINE MOUNT CUSHINGS, KITS, AND PARTS

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



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



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



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

We also have lower priced Barrymounts for AA5B aircraft



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



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



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





SECTION 71 – POWERPLANT – cont.

CARBURETOR REPAIR

AA1 – AA5A Series



- P211 Brass Float Kit
AA1 – AA5A

- P212 Improved Main Venturi Nozzle
AA1 – AA5A

- P1003 AA1 Throttle Shaft Repair Kit

AA5B and GA7 Series



- P5013 AA5B Throttle Shaft Repair Kit

- P206 Brass Float Kit, AA5B and GA7

- P2071 Replacement Mixture Pin
AA5B and GA7

- P208 Power Valve w/
Extended Plug



P5





SECTION 71 – POWERPLANT – cont.

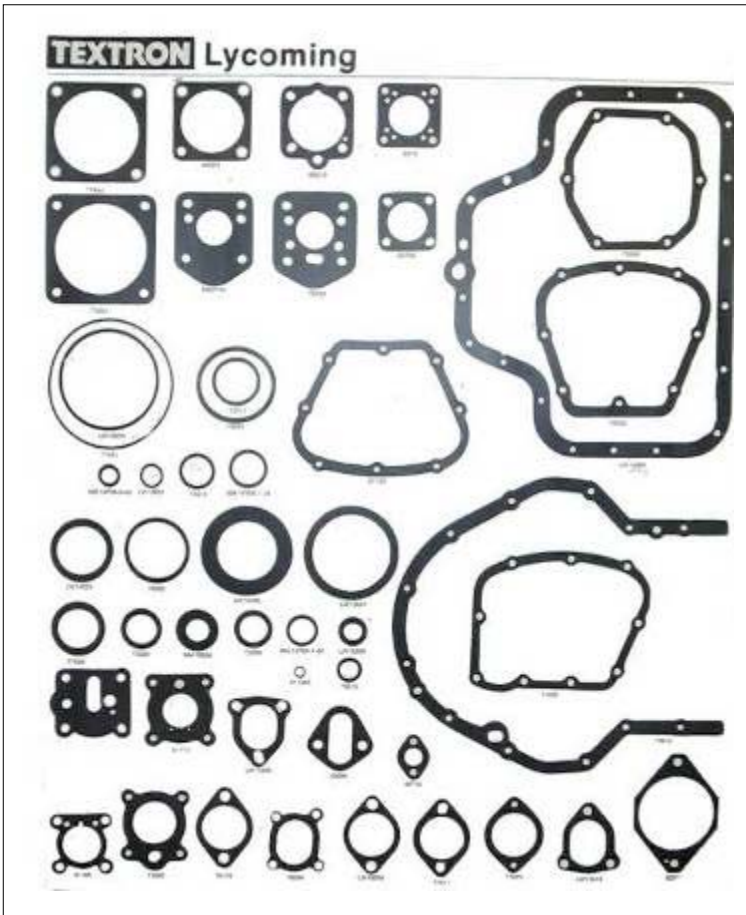
CARBURETOR REPAIR – cont.

P209 Accelerator Pump Rod Seal Kit for AA5B and GA7

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

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

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



60592 Gasket, Carb to Engine AA1 series



66224 Gasket, Carb to Engine AA5 and AA5A



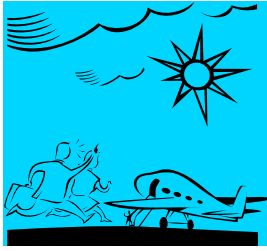
77154 Gasket, Carb to Engine AA5B



5503009-1 Gasket, Carb to Airbox AA5B



SECTION 71 – POWERPLANT – cont.



ENGINE REPAIR

SL18109A-S Oil Pump Impeller Gear Kit
AA1 – GA7

Complies with AD 95-19-15

REPLACE THOSE LEAKING GASKETS



75906 Cork Valve Cover Gasket
AA1 – GA7



BA75906 Silicone Valve Cover Gasket
AA1 – GA7



71973 Gasket, Top Intake Tube
AA1 – GA7



STD1196 Hose, Intake Tube
AA1 – AA5A



69603 Hose, Intake Tube
AA5B and GA7



18661 Seal, Push Rod Tube Inner
AA1 – GA7



70310 Seal, Push Rod Tube, Outer
AA5 – GA7



SECTION 71 – POWERPLANT – cont.

ENGINE REPAIR – cont.



12272 Lock Tab for Push Rod Tube
AA1 – GA7



ST2180 Hose, Oil Return
AA1 – GA7



12681 Gasket, Round, Magneto
AA1 – GA7



62224 Gasket, Oval, Magneto
AA1 – GA7



61173 Gasket, Oil Screen Housing
AA1 – GA7



12795 Gasket, Oil Filter Adapter
As Required



60096 Gasket, Mechanical Fuel Pump
AA1 – GA7

STD2217 Seal, Vacuum Pump
AA1 – GA7



SECTION 71 – POWERPLANT – cont.

ENGINE REPAIR – cont.



61183 Gasket, Forward Vacuum Pump
AA1 – GA7



8313 Gasket, Aft Vacuum Pump
AA1 – GA7



73818 Gasket, Accessory
Case Housing
AA1 – GA7



13353 Gasket, Oil Sump
AA1 – GA7



13792 Seal, Solid Front Crank shaft
AA1 – GA7



LW11997 Seal, Split, Front Crankshaft
AA1 – GA7

14620 Seal, Tach Drive
AA1 – GA7





SECTION 71 – POWERPLANT – cont.

COWLING



A5940 AA5 Nose Cowling
1972 – 1974



A5941 AA5/AA5A Nose Cowling
1975 – 1979



A5942 AA5B Nose Cowling



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



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

A1961 Receptacle for A1690 Camlock



A270 Latch, Oil Door and/or APU
Door Latch

**Ask about our
cowl plugs!**





SECTION 71 – POWERPLANT – cont.

COWLING – cont.



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



A2701 Spring, Cowl Latch
1975 AA5, all AA5A and AA5B



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



A2703 Retainer, for A2702 Spring



A731 Support Rod, Upper Cowl Doors
All AA5 Series

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

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

Use for longevity and strength!

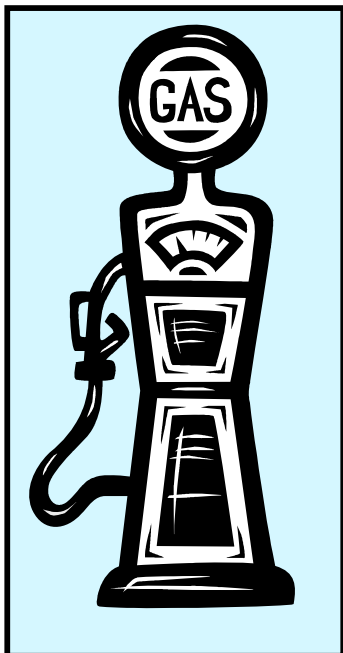


SECTION 73 – ENGINE FUEL AND CONTROL

THROTTLE CABLES



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



- C212 Cable, Carb Heat
AA1 – AA5B

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



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



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



SECTION 73 – ENGINE FUEL AND CONTROL – cont.

THROTTLE CABLE ATTACHMENT

Reference Service Bulletin #142



501112-8 Clamp, Upper
AA1 – AA5B



501112-9 Retainer, Rear
AA1 – AA5B



501112-7 Retainer, Upper
AA1 – AA5B



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



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



501112-11 Retainer, Lower
AA1 – AA5B



MS21044N06 Nut, for use with
AN526C632R7 above.
4 required



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

P2010 Ignition Harness set
For both magnetos
AA1 – GA7



M674 Gasket, Spark Plug, 18mm



REM40E Spark Plug
AA1 – AA1B, AA5, AA5A, GA7

REM38E Spark Plug, Massive electrode
For AA5B

REM37BY Spark Plug, massive electrode
For AA1C



**Garner Rice giving
a tour of Fletcher
Aviation at the
annual Fletcher
Aviation Fly-in.**



SECTION 78 - EXHAUST

099001-137R Muffler, Rebuilt
AA1A, 1B, 1C
Requires Core Deposit



099001-148R Muffler, rebuilt
'72 - '74 AA5
Requires Core Deposit

E5011 Muffler, Rebuilt
'75 AA5 and all AA5A
Requires Core Deposit

E504 Muffler, New
AA5B



099001-114 Shroud, Muffler
AA1A, 1B, 1C

099001-140 Shroud, Muffler
'72 - '74 AA5



E502 Shroud, Muffler
'75 AA5 and all AA5A

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



SECTION 78 – EXHAUST – cont.



E5041 End Plate, muffler shroud



E205 Clamp, exhaust, with shim
Sold per half

099001-102 Riser, Exhaust,
Straight



099001-194 Riser, Exhaust
Shallow "S" shape

099001-184 Riser, Exhaust
Deep "S" Shape



E206 Gasket, Exhaust
Stainless, re-usable



E208 Exhaust Stud
Standard Size

E2083 Exhaust Stud
.003" oversized

E2087 Exhaust Stud
.007" oversized



SECTION 78 – EXHAUST – cont.



E510 Long Stand off Bracket, 4.5”
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
2 feet required
All AA1 and AA5 series
Complies with SB187
Also sold on page 64.

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



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



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



SECTION 79 – OIL – cont.



FA1003 Oil cooler kit, 6 vane
For AA5 and AA5A



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



8406R Oil Cooler, 6 vane
for AG5B



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



P5000 Quick drain, oil sump
All AA1 and AA5 series

75944 Thermostatic by-pass valve
all AA1 and AA5 series

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 | |
| | | |
| P5 | 12 volt starter, AA5/AA5A
OVERHAULED | |
| | | |
| P2 | 12 volt starter, AA5B/GA7
OVERHAULED | |
| | | |
| EBB75A | Starter Drive
AA5/AA5A | |
| | | |

The following DO NOT require core deposits

- | | | |
|---------|---|--|
| R2001 | 12 volt starter, light weight
AA1 series | |
| | | |
| R200 | 12 volt starter, light weight
AA5 series | |
| | | |
| R2002 | 24 volt starter, light weight
AG5B | |
| | | |
| EBB131A | Starter Drive
AA5B/GA7 | |
| | | |





STC'S AND MODIFICATIONS

R101 **AA1 series engine upgrade STC to O-290 or O-320. PAPERWORK ONLY** **CALL FOR PRICE**

R102 **AA1 Series gross weight** **CALL FOR PRICE**

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 Dynafocal 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 Lou 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.	CALL FOR PRICE
R502	AA5A 200 HP Engine upgrade STC.	CALL FOR PRICE
R209	<u>Aviation Development Corporation</u> <u>Oil Filtration System</u> CALL FOR PRICE	

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
For R209 ADC Oil Filter System

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



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

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

SAVE TIME! SAVE MONEY!

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

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

R108 Split Nose Cowl STC
AA1 through AA1B

R1081 Split Nose Cowl STC
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 cowlings **CALL FOR PRICE**
STC for AA1 through AA1C.
Provides convenient access to engine
Compartment from the top without
Having to remove the top engine cowlings.

FLETCHAIR INC. POLICIES

When placing an order with catalog number:
830.995.5900

Monday – Friday, 8:00AM to 5:30PM Central
24 hour FAX: 830.995.5903

For Customer Service Call:
830.995.5900

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



LOCATION

We are located at 118 FM 1621 Comfort, Texas 78013. 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 arts 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. s 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 Comfort, Texas. All sales made within 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 . Shipments are made when remittance accompanies the order, and on a COD basis. A 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 airfreight are all available. Foreign shipments are made by way of airfreight. Packaging is done at no additional cost, but crating is extra. There is a special handling charge of 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. FletchAir generally handles refunds within 60 days from receipt. 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. A copy of the invoice MUST accompany any core being returned to FletchAir. 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, is disclaimed in their entirety after the expiration of the 90-day warranty period.

TO OBTAIN WARRANTY SERVICE, OR A REFUND, IF FLETCHAIR SO ELECTS, CALL OR WRITE FOR RETURN AUTHORIZATION!

The defective part must be shipped with postage prepaid to FletchAir, Inc, 118 FM 1621, Comfort, Texas 78013 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 neither 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.