

# General Parts Catalog

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

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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  
"COUNTER-SUNK" TYPE  
WASHERS**

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

**Screw Kits**

**STAINLESS STEEL  
AIRFRAME SCREW KITS**

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



**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  
"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)

# 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
D508I	AA5 series Interior placard kit
	<b>* specify your fuel capacity when ordering.</b>
D508E	AA5 series Exterior placard kit

## 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

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

**"CAT" DESIGN  
AA5B TIGER**



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

**"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 For	Tiger "script" black vertical stabilizer
D5012 For	Tiger "script" white vertical stabilizer

**"SCRIPT" DESIGN  
GA7 COUGAR**



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



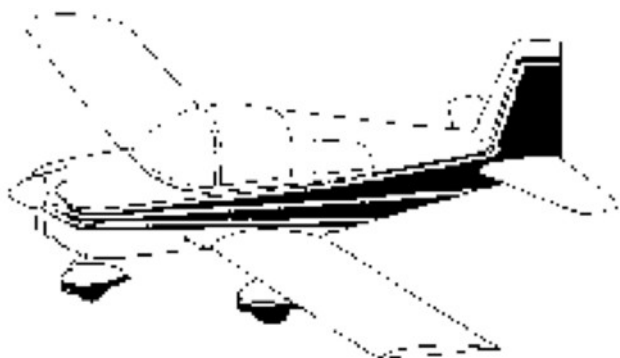
**PRICES SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.**

## 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

**"YANKEE"**

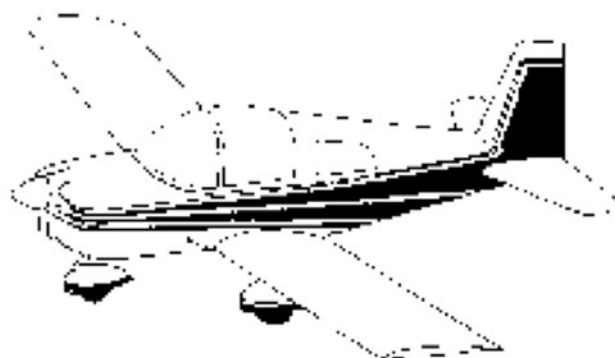
Part#	Description
D108 "YANKEE"	Black
D109	"YANKEE" White

**"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 ( '73-'76)	Manual "TRAINER""TR-2" AA1B
	 
	
M104 Pilot's ( '77-'78)	Operating Handbook "T-CAT""LYNX" AA1C
M105	Parts Catalog (Pre '77) AA1 – AA1B
M106 AA1C	Parts Catalog ( '77-'79)
M107 AA1	Service Manual (Pre '77) Series
M108 Maintenance AA1C	Manual( '77-'78) Only

### AA5 SERIES

Part #	Description
M509 Owner's ( '72-'74)	Manual "TRAVELER"
M510 Owner's	Manual ( '75 only) "TRAVELER"
	
M511 Owner's	Manual (Pre '77) "CHEETAH"
M511A Flight AA5	Manual "CHEETAH"
M512 Pilot's ( '77-'79)	Operating Handbook "CHEETAH"
M513 Owner's	Manual (Pre '77) AA5B "TIGER"
M513A Flight AA5B	Manual "TIGER"
M514 Pilot's	Operating Handbook ( '77-'79) AA5B "TIGER"

## SECTION 12 - SERVICING - MANUALS cont.

### AA5 SERIES – cont.

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



### GA7

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



### TECHNICAL MANUALS

Part #	Description
M221	Set of Service Letters AA1 & AA5 SERIES
M222	Set of Service Bulletins AA1 & AA5 SERIES
M723 Service GA7	Set of Service Letters & Bulletins "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 Lycoming Engines	manual Direct Drive
M421 Parts	Catalog O-360 Series
M422 Parts Flange	Catalog O-320 Wide Cylinder Series
M423 Parts O-235	Catalog C2C

### LOGBOOKS

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



## SECTION 12 - SERVICING – SHOP EQUIPMENT

Part#	Description
T210	Jack Pad, AA1 & AA5 W/ main gear strut fairings
	<b>Don't be unsafe by using a homemade jack! Be safe with our jack pad, specifically made for AA series Grumman's.</b>
T2150 Pliers	Auto Return Safety Wire



Part#	Description
T2162 Safety	Wire .021" Stainless Steel
T2161 Safety	Wire .032" Stainless Steel
T2160 Safety	Wire .041" Stainless Steel
W268 Installation	Brake Lining Rivet Tool



## 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
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W212 Tow Bar AA1/AA5 SERIES



*Full set not shown*

RENTAL Rigging Tool Set  
TOOLS 75 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

## 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
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A2120 Flap	Switch
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*Keep dust & moisture out of your flap switch.*

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

B206	Rocker type panel switch
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B207	Starter Relay, 12 volt
------	------------------------



B208	Battery Relay, 12 volt
------	------------------------

*We also have 24 volt relays for AG5B owners*



B2081 Split	Master Switch
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B20605	5 AMP Circuit Breaker
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## SECTION 24 - ELECTRICAL – COMPONENTS - cont.

Part #	Description
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B20610	10 AMP Circuit Breaker
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B20615	15 AMP Circuit Breaker
--------	------------------------



B20620	20 AMP Circuit Breaker
--------	------------------------

Part #	Description
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B20660	60 AMP Circuit Breaker
--------	------------------------

B511 '76 2	8 OHM Speaker AA5A/AA5B required
------------------	--

B214 Battery	Box Top AA1 – AA5B
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402012-505 MS35489-100	Battery Box AA1 – AA5B for above Grommets
---------------------------	---

P202	Ignition Switch AA1 – AA5B
------	----------------------------

TIGM61-1C-WH-FN	Map/Dome Light Switch
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## SECTION 25 - EQUIPMENT AND FURNISHINGS

### INSTRUMENT PANEL COMPONENTS

Part #	Description
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A2010	Black Instrument Panel Overlay 102340-3 AA1 – AA5B
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Part#	Description
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A202 Overlay	Black Lower Instrument Panel 5102315-503 AA1 – AA5B
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**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
A2030	 Black Glove Box Door 102360-7 AA1 – AA5B
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
<b>Remember to order your new tire pressure placard!</b>	
MS24693BB29	Brass Screws for Instruments 
A3236-012-24A 100	Counter-sunk washer for ◦ Countersunk Screw
<b>Have you checked your instrument bulbs? See page 43</b>	
<b>INTERIOR TRIM/PLASTIC MOLDINGS AA1 SERIES</b>	

Part #	Description
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

**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 Armrest  
 AA5 Series Aluminum 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)



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



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



5102328-36 Seat Pan AA5 Series

**NEW** item!  
 Previously unavailable.

Part # Description



102348-4 AA1 Series Inboard Seat Track

102348-2 AA1 Series Outboard Seat Track

A2906 Ball Bearing for Seat Track  
 Grade #4



A2913 Seat  
 Rubber End Cap Adjustment Handle  
 D4410



A1919 AA1 Seat Adjustment Handle Spring 102336-1



## SECTION 27 - FLIGHT CONTROLS

### FLIGHT CONTROLS

Part #	Description
A5281 Bearing	 AA1/AA5 Inboard Elevator 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 <b>Must be replaced every 1000 hours.</b> <b>Don't allow a broken spring to ground you – carry a spare!</b>

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
	<p>A2150 Trim Wheel Gear (Undrilled) 607007-3 AA1 – AA5B</p>
	<p>A2151 Trim Pinion Gear (Undrilled) 607010-3 AA1 – AA5B</p>
	<p>607004-502 AA1 Series Bungee Housing Wear limit .016 as per AD 72.07.10</p>
	<p>A2160 AA1 Bungee Guide Assembly 602110-2</p>

Part #	Description
	<p>5302026-9 '72-'75 AA5 L/H Trim Arm</p>
	<p>5302026-10 '72-'75 AA5 R/H Trim Arm</p>
	<p>5302026-15 '75-'79 AA5A/AA5B L/H Trim Arm</p>
	<p>5302026-16 '75-'79 AA5A/AA5B R/H Trim Arm</p>

**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  
bellcrank  
5302053-503

Part # Description



A2152 Trim Flex Coupling  
607010-2



A5158 Undrilled Control Sprocket  
5603068-3



A5159 Undrilled Control Sprocket  
503068-1

# 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 control Steel Rivet to attach wheel



A262 With Short Control Wheel Shaft  
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



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 Column	Sleeve for sprocket on control shaft 602104-3
----------------	--



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



5602110-1	Control Wheel Rubber cover/pad
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### CONTROL SURFACE BEARINGS

Part #	Description
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<b>A251</b>	<b>A252</b>	<b>A250</b>	<b>A253</b>
-------------	-------------	-------------	-------------

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

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

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

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



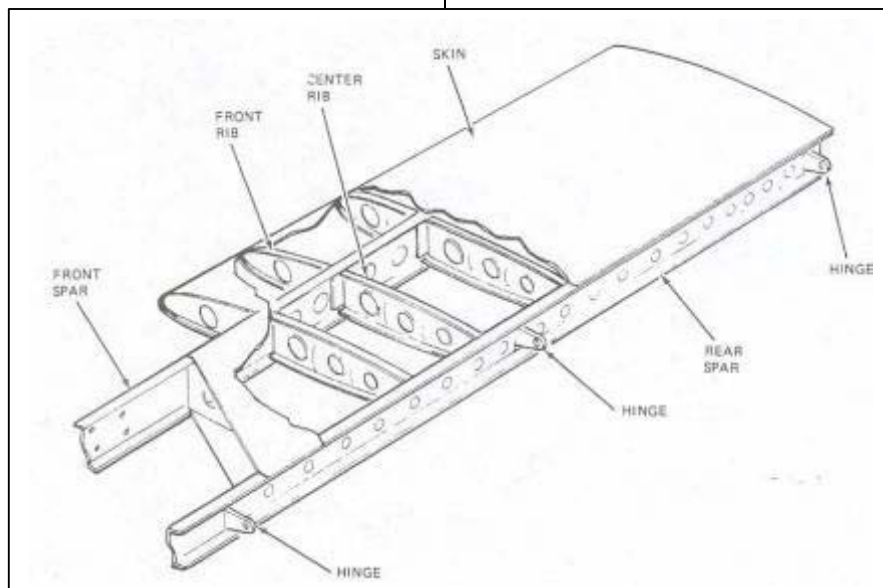
B204 Flap Limit Switch

A5137 91.5" Flap Position Cable Indicator

*We also have flap switch handles.*

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



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

**Stiff or leaking fuel selector? Try this inexpensive repair.**



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



F208 Outboard Fuel Drain  
All AA5 series and GA7

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

## 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.**



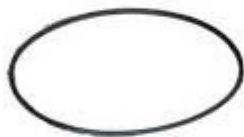
F113                      Float Balls for fuel gauge  
 AA1 series (red)  
 401129-5

---



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

---



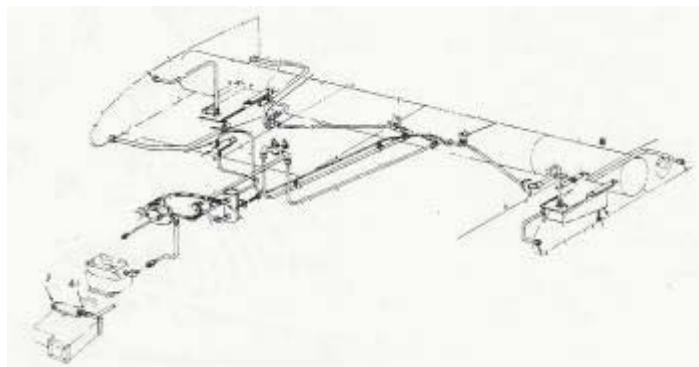
I5451                      Gasket for AA5 series  
 Fuel quantity transmitter  
 5201001-9

---

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 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"**

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

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

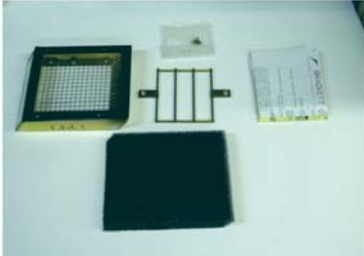
G2102 Red, high temp silicone  
3" x 9' x 3/32" roll of engine  
baffle seal



# 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  
And  
Foam Element for 1975 AA5 Traveler  
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



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  
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



## SECTION 30 – WEATHER PROTECTION – cont.

### FILTERS AND ELEMENTS



Part #	Description
P258	 Main Vacuum System filter Replace every 400 hours

Part #	Description
P259	 Vacuum system regulator filter Replace every 100 hours

## SECTION 32 – LANDING GEAR

### WHEEL FAIRINGS

Part #	Description
W241	Fiberglass Wheel Fairing Kit <b>*Kit does not include fiberglass fairings</b> Includes hardware to complete installation.
W238	 Nose Wheel Fairing Shell, Fiberglass

Part #	Description
W239	 L/H main wheel fairing shell, fiberglass
W240	 R/H main wheel fairing shell, fiberglass

Replace your old  
~~plastic fairings with~~  
 plastic fairings with



W219 L/H	 Brake cover, plastic '75 AA5 – AG5B
W220 R/H	Brake cover, plastic '75 AA5 – AG5B

# 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



The TA Tiger 2002 Wheel View

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 Ring Nose fairing top seal retainer



W2441 Nose fairing top seal



## 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 Fiberglass	AA1 series main gear strut
--------------------	----------------------------

W545 Fiberglass	AA5 series main gear 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  
Installed  
Nose Fork with bushings  
Core Charge applies



W249 Nose  
2  
Fork Bearing  
required

W250  
To  
O-Ring seal, nose strut  
fork



W2272  
Shock strut bushing



W229  
As  
1/16" thin thrust washer  
required

Part # Description

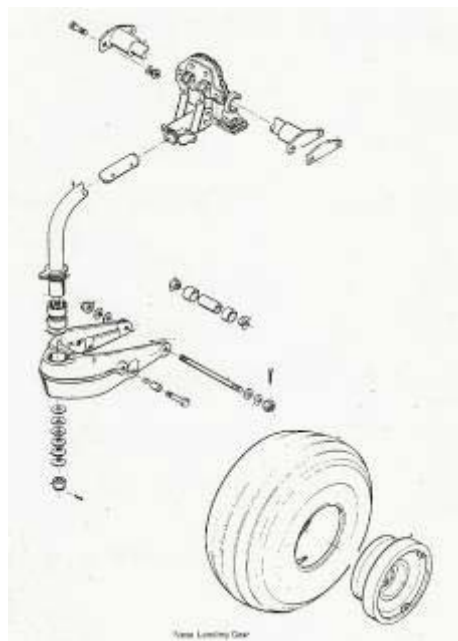


W2291  
As  
1/8" thick thrust washer  
required



W227  
Nose Gear shock strut  
'77 to '79 AA5's

5702003-13  
AGAC  
Nose Gear shock strut



## 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
--------	-------------



Our wheel bearing and races are FAA-PMA approved.

### BRAKE COMPONENTS

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



Frequent inspection helps maintain effective braking.  
Minimum Thickness .205



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



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



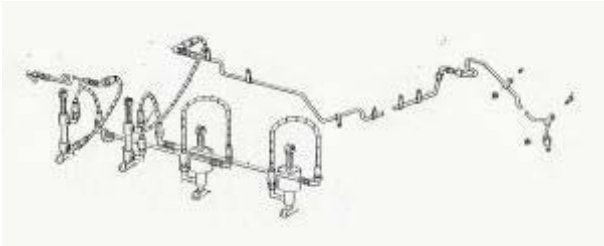
W257 1
" Brake Caliper  
All AA1 series; "72-"74 AA5's

W258 1
" Piston for W257 caliper

## SECTION 32 – LANDING GEAR – cont.

### BRAKE COMPONENTS

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



**Brake Schematic**

W259 1	1" 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 Co-Pilot	Brake Master Cylinder 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

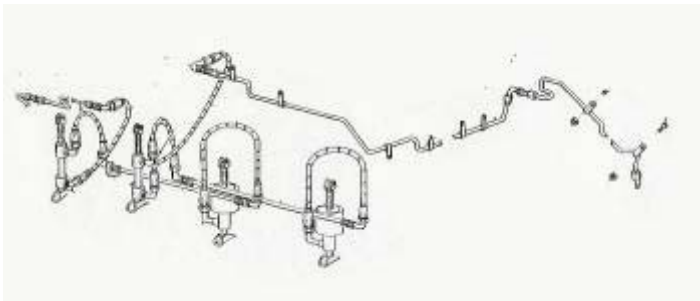
Part # Description



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  
081-00100      Seat

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

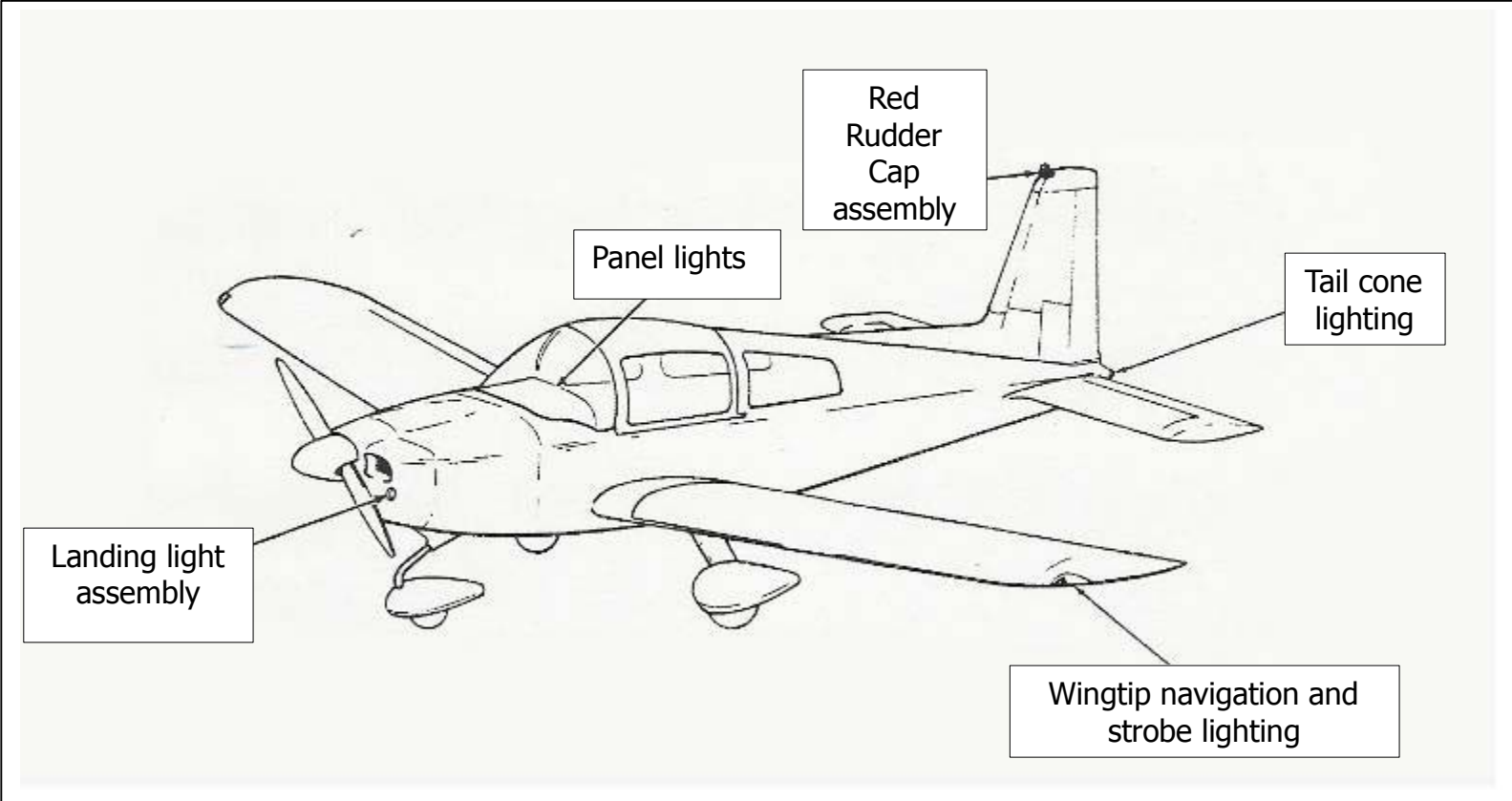
**Good caliper alignment helps prevent a sticking brake.**

# 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 " x 10 5/8"

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

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

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

## SECTION 33- LIGHTING – cont.

### LANDING LIGHTS

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



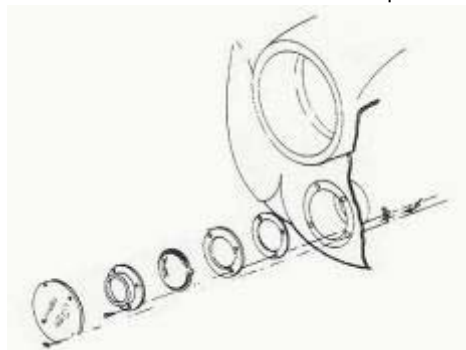
L210	Landing Light Bulb, 12 volts, For nose cowling landing lights and R202/R203 conversions kits.
------	---



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



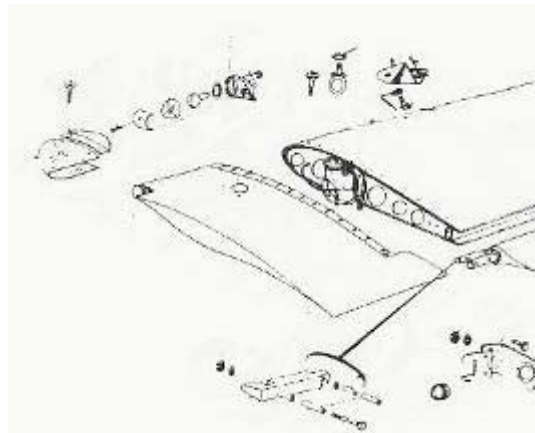
01-0770346-01 Landing AG5B	Light Assembly, wingtip Serial # AG5B 10044 and subsequent
-------------------------------	--



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



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

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

L226 Lens, Tail	Clear, Position light 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



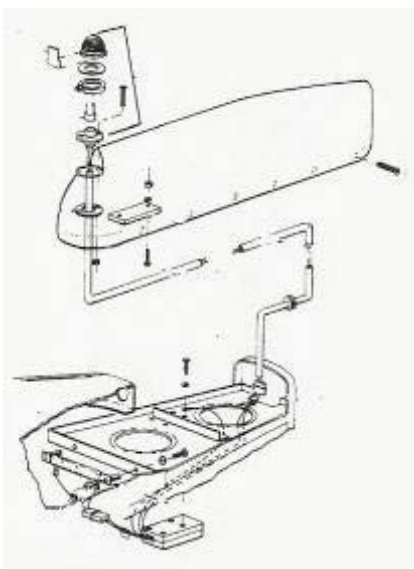
L209 12-volt Lamp, clear, flashing beacon  
On Rudder cap



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, 12	compass lighting 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 Intensity Halogen	New 18" "flexlight" flexible Map light assembly with light control, 12 volt light
---------------------------------	--

64405	Bulb, for Flex light, 12 volt
-------	-------------------------------

272-1141A Lamp 12	Assembly, fuel gauge volt
----------------------	------------------------------

GE73	Bulb, Alternator Warning light
------	--------------------------------

## SECTION 33- LIGHTING – cont.

### EMERGENCY LOCATOR TRANSMITTER

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



I256	Battery for NARCO ELT-910 transmitter
------	---------------------------------------

I2551 External For	whip antenna ELT-910
--------------------	-------------------------

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



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



### INSTRUMENTS/ENGINE INDICATING

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



I236	Hour Meter, 3-hole mount
------	--------------------------



I237 Hour	Switch, oil pressure for 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 Latch Shims, to adjust canopy tension  
Before adjusting latch, check and Replace seals if necessary.



A540 Track Runners

5102270-501 Canopy Track Rails,  
inner with spline nuts



5102353-7 Plastic overlay  
for baggage door

# SECTION 53 - FUSELAGE

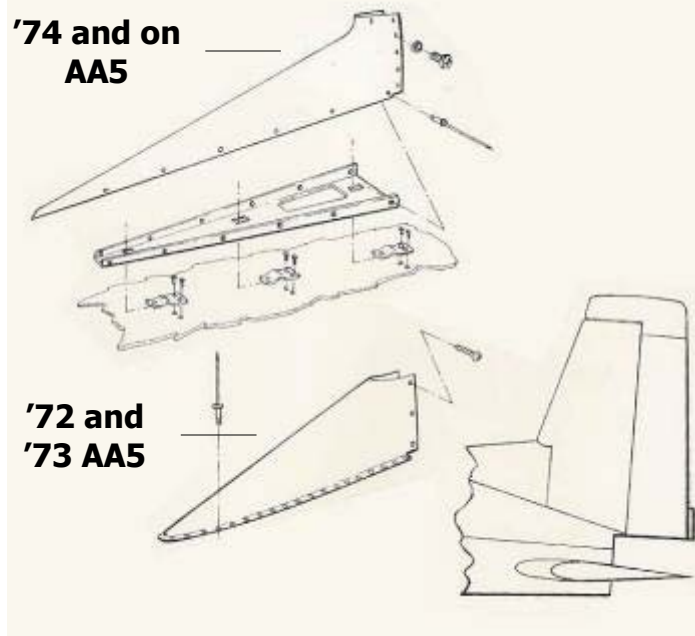
## DORSAL FIN



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.



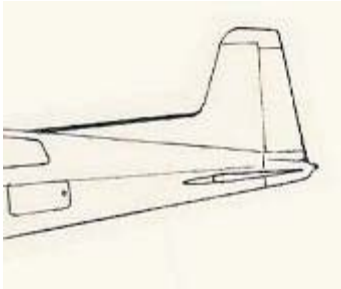
*Refresh your aircraft's exterior*

# SECTION 53 - FUSELAGE

*Replace all your exterior plastic moldings today!*

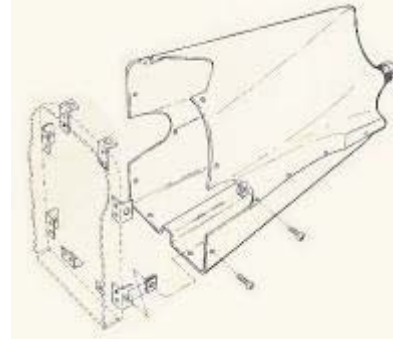
## TAIL CONE

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 AA5 boarding step Series



A2534 R/H AA5 Boarding step 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
<p>X2471      #1200 Dow Corning Primer For metal, 4 oz. bottle (Hazardous Materials freight premium applies)</p> <hr style="border-top: 1px dotted black;"/> <p>X2472      #1205 Dow Corning Primer For plastic, 4 oz. Bottle (Hazardous Materials freight premium applies)</p> <hr style="border-top: 1px dotted black;"/>	<div style="text-align: center; border: 1px solid black; padding: 5px; margin-bottom: 10px;">  </div> <p>X2073      #732 Dow Corning RTV Silicone sealant, caulk gun size</p> <hr style="border-top: 1px dotted black;"/> <p>X2074 Foam-backed                      tape. 8'L    x 1 " W x 1/16 thick</p> <hr style="border-top: 1px dotted black;"/>

### WINDSHIELD, WINDOWS, AND CANOPIES

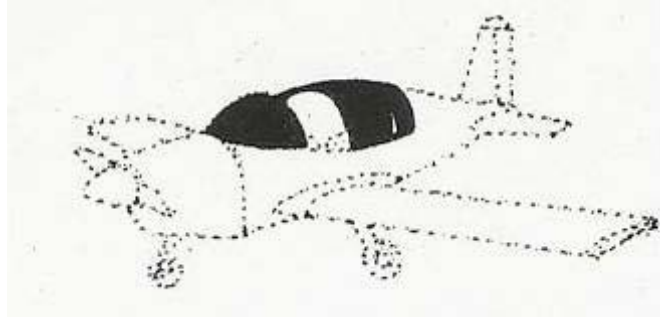
Available in Clear (CL), Green Tint (GT), and Smoke Gray (SG)

<p>657                      1/8" thick windshield, AA1</p>	<p>1/8" thick canopy, AA1 Requires truck freight</p>
--	--

## SECTION 56 – WINDOWS- cont.

### WINDSHIELD, WINDOWS, AND CANOPIES

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

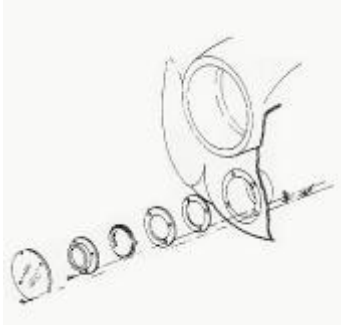


659 1/8" thick L/H rear window  
AA1

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



X203 832 Rubber mounted Rivnut  
For 228 and 229 covers.

229 1/16" landing light cover

209 Navigation light lenses  
R/H AA1A through AG5B



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            1/8" thick windshield  
                  AA5 series

---

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

---

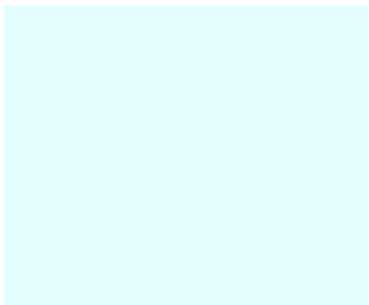
- 216            1/8" thick, canopy window  
                  R/H side, AA5 series

---

- 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**

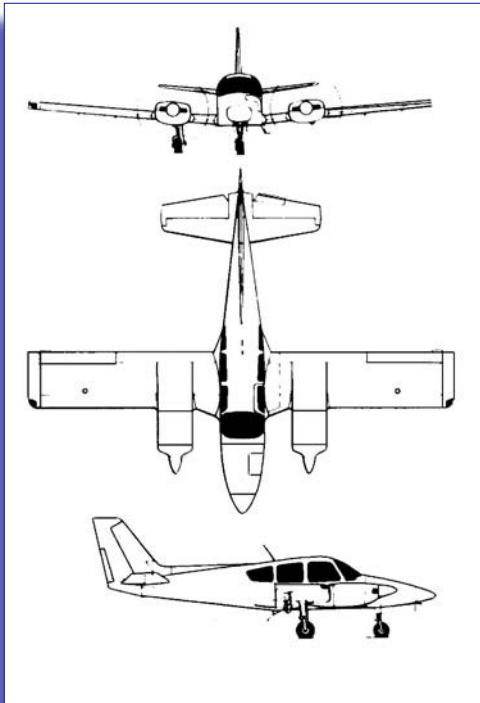
Available in Clear (CL), Green Tint (GT), and Smoke Gray (SG)

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 with SB185.  
Complies

**\* 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.**

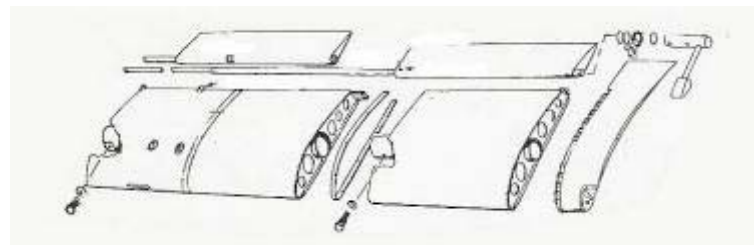
NAS1031P5 Nut Plate, for spar bolt Attachment



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

S502  
For  
STC'd Sensenich Prop  
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 Sensenich Prop Bolt Set, AA1C Prop



P1034 McCauley Prop Bolt Set, AA1 – AA1B 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  
required.

22

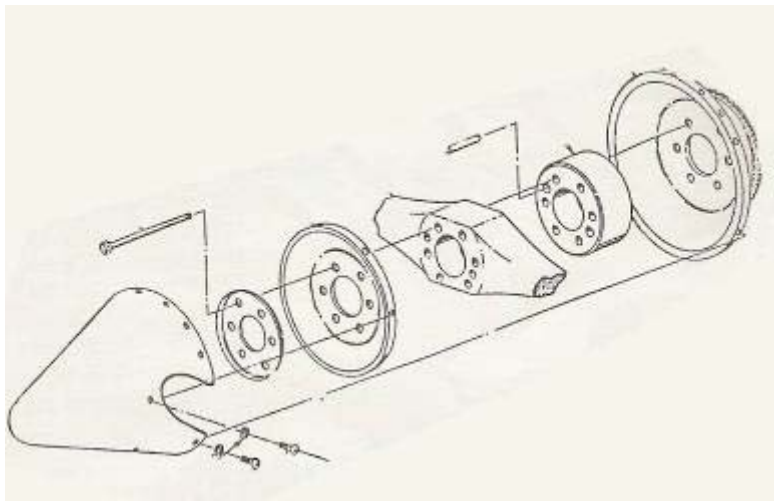


A1020 Plastic Washers  
For Service Kit 143 Spinner Kit  
required

22

# SECTION 61 – PROPELLERS – cont.

## PROPELLER PARTS AND ACCESSORIES – cont.



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

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

P5034 Prop Bolt Kit  
(Sensenich Prop) AA5/AA5A 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

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

P525 Strut, starter to alternator on AA5 – AA5B



P222 Alternator Belt All AA1's and AA5's



P526 Adjuster bracket for alternator On AA5 – AA5B.

Play it safe Carry an extra belt



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



B301 For Electronic Noise Filter alternators.

Get rid of that annoying alternator whining.

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

# 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  
1

Duct  
" 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

# SECTION 71 – POWERPLANT – cont.

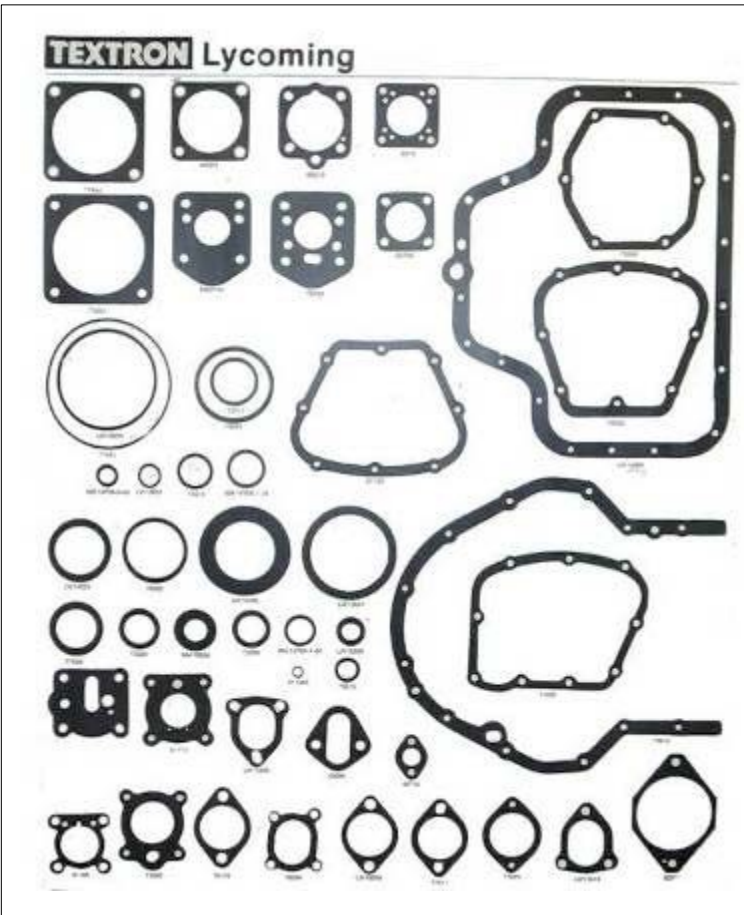
## CARBURETOR REPAIR – cont.

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 AA1 Gasket, Carb to Engine series



66224 Gasket, Carb to Engine AA5 and AA5A



77154 AA5B Gasket, Carb to Engine



5503009-1 AA5B Gasket, Carb to Airbox

# 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 AA5B Hose, Intake Tube  
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



61173 Gasket, Oil Screen Housing  
AA1 – GA7



ST2180 Hose, Oil Return  
AA1 – GA7



12795 Gasket, Oil Filter Adapter  
As Required



12681 Gasket, Round, Magneto  
AA1 – GA7



60096 Gasket, Mechanical Fuel Pump  
AA1 – GA7



62224 Gasket, Oval, Magneto  
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, Case  
Accessory 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  
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 Series  
AA1
- 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 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 AN526C632R7 Nut, for use with  
above.  
4 required

## 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

# SECTION 78 - EXHAUST

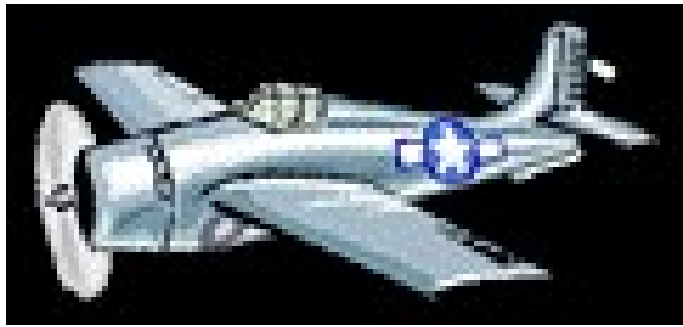
099001-137R Muffler, Rebuilt  
AA1A, 1B, 1C  
Requires Core Deposit



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 Sold Clamp, exhaust, with shim per half

099001-102 Riser, Straight Exhaust,



099001-194 Riser, Shallow Exhaust "S" shape

099001-184 Riser, Deep Exhaust "S" Shape



E206 Gasket, Stainless, Exhaust re-usable



E208 Exhaust Standard Stud Size

E2083 Exhaust .003" Stud oversized

E2087 Exhaust .007" Stud oversized

## SECTION 78 – EXHAUST – cont.



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

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

## SECTION 79 - OIL



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

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

P2041 Oil  
Threaded



filter, CH48110 with  
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 AA5 12 volt starter, light weight  
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.

<u>150 HP low compression Straight (conical) Mount</u>	<b>Straight</b>	<u>160 HP High compression (conical) Mount</u>
O-320 A2A Pawnee, S-Cub O-320 A2B Cherokee    O-320 O-320 A2C            O-320		O-320 B2A Tripacer B2B Cherokee B2C- (wide deck)
<u>160 HP high compression</u>	<b>150</b>	<u>HP low compression</u>
Dynafocal Mount- wide deck  O-320 D1A Cherokee    O-320 O-320 D2B (Musketeer 63)    O-320 O-320 D2C            O-320 E2C Musketeer O-320 D2D            O-320 O-320 D2E            O-320 E2G (Cheetah engine) O-320 D2F            O-320 E2H O-320 D3G Warrior		Dynafocal Mount- wide deck  E2A Cherokee E2B  E2D Musketeer, C-172, C140

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

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 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  
'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 cowling **CALL FOR PRICE**  
STC for AA1 through AA1C.  
Provides convenient access to engine  
Compartment from the top without  
Having to remove the top engine cowling.