

APPENDIX N

FAA FORM 337



**MAJOR RE-AIR AND ALTERATION**  
**(Airframe, Powerplant, Propeller, or Appliance)**

Form Approved  
OMB No. 2120-0020

For FAA Use Only  
Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make GULFSTREAM AEROSPACE CORPORATION	Model G1159A
	Serial No. 303	Nationality and Registration Mark U.S.A. N1761W
2. Owner	Name (As shown on registration certificate) GULFSTREAM AEROSPACE CORPORATION	Address (As shown on registration certificate) P.O. BOX 2206 - TRAVIS FIELD SAVANNAH, GA. 31402-2206

3. For FAA Use Only

4. Unit Identification

5. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address GULFSTREAM AEROSPACE CORPORATION P.O. BOX 2206 - TRAVIS FIELD SAVANNAH, GA. 31402-2206	B. Kind of Agency <input type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input checked="" type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. GR4R216M
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D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date 09/12/89	Signature of Authorized Individual PATRICK J. LYNCH
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7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is  APPROVED  REJECTED

BY	FAA Fit Standards Inspector	Manufacturer	Inspection Authorization	Other (Specify)
	FAA Designee	X Repair Station	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection 09/12/89	Certificate or Designation No. GR4R216M	Signature of Authorized Individual PATRICK J. LYNCH
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**NOTICE**

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

**8. Description of Work Accomplished**

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

REFERENCE: GULFSTREAM AEROSPACE CORPORATION WORK ORDER NO.: C03-303-088-3076.

1. INCORPORATED THE FOLLOWING GULFSTREAM AEROSPACE CORPORATION AIRCRAFT SERVICE CHANGES LISTED:

<u>A.S.C. NO.:</u>	<u>SUBJECT</u>
70 PT. 1	INCREASED GROSS WEIGHT - 70, 200 LBS. & FWD C.G. EXPANSION TO 35.1% M.A.C.

NOTE: INSTALLED A GIV TYPE MAIN LANDING GEAR AND A G1159A NOSE LANDING GEAR:

MAIN GEARS:

L/H P/N: 1159L40001-1	S/N: T-1587	TSN: -0-
R/H P/N: 1159L40001-2	S/N: T-1582	TSN: -0-

NOSE GEAR:

P/N: 1159L30004-15AA      S/N: MG 0126      TSN: 215

NOTE:

AS OF THE REPLACEMENT DATE OF THIS FAA FORM 337 (03/19/92), ASC 70 HAS BEEN SUPERSEDED BY ASC 70A, RELEASED 06/22/91. COMPLIANCE OF THE ABOVE NOTED ASC (70 PT. 1) IS PARTIAL AND THE AIRCRAFT IS PRESENTLY SUBJECT TO THE LIMITATIONS PRESCRIBED IN SECTION 1, PAGE 1-1 DATED 09/16/83 OF THE AIRCRAFT FLIGHT MANUAL FOR AIRCRAFT NOT HAVING ASC 70 (70A) INCORPORATED.

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END

Additional Sheets Are Attached

APPENDIX N

**MAJOR REPAIR AND ALTERATION**  
**(Airframe, Powerplant, Propeller, or Appliance)**

FOR FAA USE ONLY  
OFFICE IDENTIFICATION

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form.

1. AIRCRAFT	MAKE GULFSTREAM AEROSPACE CORPORATION	MODEL G1159A
	SERIAL NO. 0303	NATIONALITY AND REGISTRATION MARK N1761W
2. OWNER	NAME (As shown on registration certificate) GULFSTREAM AEROSPACE CORPORATION	ADDRESS (As shown on registration certificate) P.O. BOX 2206 SAVANNAH, GA. 31402-2206

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

UNIT	MAKE	MODEL	SERIAL NO.	5. TYPE	
				REPAIR	ALTERATION
AIRFRAME	~~~~~ (As described in item 1 above) ~~~~~			X	X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				

6. CONFORMITY STATEMENT


A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
GULFSTREAM AEROSPACE CORPORATION P.O. BOX 2206 - TRAVIS FIELD SAVANNAH, GA 31402-2206	<input type="checkbox"/> U.S. CERTIFICATED MECHANIC	GR4R216M
	<input type="checkbox"/> FOREIGN CERTIFICATED MECHANIC	
	<input checked="" type="checkbox"/> CERTIFICATED REPAIR STATION	
	<input type="checkbox"/> MANUFACTURER	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

DATE 10/06/89	SIGNATURE OF AUTHORIZED INDIVIDUAL PATRICK J. LYNCH 
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7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is  APPROVED  REJECTED

BY	FAA FLT. STANDARDS INSPECTOR	MANUFACTURER	INSPECTION AUTHORIZATION	OTHER (Specify)
	FAA DESIGNEE	<input checked="" type="checkbox"/> REPAIR STATION	CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT	
DATE OF APPROVAL OR REJECTION 10/06/89	CERTIFICATE OR DESIGNATION NO. GR4R216M	SIGNATURE OF AUTHORIZED INDIVIDUAL PATRICK J. LYNCH 		

## NOTICE

*Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.*

8. DESCRIPTION OF WORK ACCOMPLISHED (If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

ACTT: 1691 HOURS  
ACTL: 1157 LANDINGS  
REFERENCE: GULFSTREAM AEROSPACE CORPORATION WORK ORDER NO. C03-0303-089-3076.

NOTE: THIS AIRCRAFT REBUILD PER FACTORY SPECIFICATIONS AS DETAILED BELOW.

1. REPAIRED AIRCRAFT VIA THE FOLLOWING REPAIR ACTIONS:

A. ENGINES REMOVED AND REPAIRED BY AIRWORK, MILLVILLE, NJ  
R.R. SPEY MK 511-8  
L/H P/N: MK 511-8 S/N: 11005 T.T.: 1867.6 T.C.: 1285  
R/H P/N: MK 511-8 S/N: 11006 T.T.: 1993 T.C.: 1477  
REINSTALLED PER G.A.C. C.M.P.

B. REINSTALLED A.P.U. P/N: GTCP36-100, S/N: P-151  
INSTALLED - UNIT T.T. 1222 HR.

C. REPLACED WING ASSEMBLY  
P/N OFF: L/H 1159W30002-1 S/N OFF: L/H 303  
R/H 1159W30002-2 R/H 303  
  
P/N ON: L/H 1159W30002-S1 S/N ON: L/H 349  
R/H 1159W30002-S2 R/H 349  
(T.T.: 4113 HR T.C.: 2183 ON REPLACEMENT WING)  
LIFE LIMITED PART.

2. NOTE: STATUS OF G.A.C. AIRCRAFT SERVICE CHANGES AND CUSTOMER BULLETINS ON REPLACEMENT WING.

<u>A.S.C. NO.</u>	<u>SUBJECT</u>
9	MLG WHEEL WELL SPLASH GUARDS
30	INCREASED FUEL - 28,444 POUNDS MOD.
41	MAGNA STICKS

<u>C.B. NO.</u>	<u>SUBJECT</u>
31	AERODYNAMIC SEAL AT THE LEADING EDGE
37, 37A, and 37A1	TRAPPED FUEL AND WING PLANK/RIB DAMAGE
39	FUEL QUANTITY GAUGING SYSTEM INSTL.
48	REAR BEAM CAP ANGLE & LWR AFT PLANK INSP.
54	REWORK/INSP REQUIREMENTS FOR SCORED FLAP TRACKS
57	ANTI-CAVITATION VALVE GASKET INSP.
62	FLOOR LOADING STRESS ANALYSIS
91	AILERON HYD. PLUMBING MANIFOLDS
92A	INSPECTION OF HI-LOK FASTENERS AFT WING TO FUSELAGE ATTACH FITTING
99	INSPECTION/REPLACEMENT FLAP ACTUATORS

ADDITIONAL SHEETS ARE ATTACHED

- D. INSTALLED OVERHAULED THRUST REVERSERS.  
 L/H P/N: 1159P210004-1 S/N: RC 0179 UNIT T.T.: TSO -0-  
 R/H P/N: 1159P210004-3 S/N: RC 0174 UNIT T.T.: TSO -0-
- E. REPAIRED VERTICAL FIN PER REPLACEMENT OF SKINS P/N 1159CS20154-23  
 PER DWG. NO. 1159CS20154 REV. F.  
 VERTICAL FIN P/N: 1159CS20003-1 S/N: 303 T.T.: 1691 HR. 1157 LDGS.  
 HORIZ. STAB. P/N: 1159CS20001-3 S/N: 303 T.T.: 1784 HR. 1198 LDGS.
- F. REBUILT LEFT HAND & RIGHT HAND PYLON ASSY.
- G. ENGINE FIXED COWLS - COMPLETE N.D.T. INSPECTIONS PLUS VISUAL AND DIMENSIONAL CHECKS PERFORMED. REPLACE ATTACHMENT LINKS, HARDWARE VIBRATION ISOLATORS, THRUST STRUT INSPECTIONS, ENGINE MOUNT HARDWARE N.D.T. INSPECTED AND REINSTALLED.
- H. FUSELAGE  
 1. ALIGNMENT CHECK COMPLETED PER Q.C. PROCEDURE NO. MEL. 122.HH-089  
 DATED 04 OCTOBER 1989.  
 2. REPLACED THE FOLLOWING SKINS AND BULKHEADS:

<u>SKIN PART NO.</u>	<u>SKIN LOCATION</u>	<u>REF. G.A.C. B/P NO.</u>
1159B21316-21	STA.498 TO 580 R/H	1159B21316, REV. M
1159B21317-125	STA.498 TO 580 LWR.	1159B21317, REV. E
1159B21318-43	STA.580 TO 635 TOP	1159B21318, REV. E
1159B21319-141	STA.580 TO 635 L/H	1159B21319, REV. J
1159B21321-101	STA.580 TO 635 LWR.	1159B21321, REV. G
1159B21518-33	STA.757.562 & 812.5 TOP	1159B21518, REV. H
1159CS20154-21	FIN AFT	1159CS20154, REV. F
1159B21203-3,-4	B.L. 34.25 L & R	1159B21203, REV. F
1159B21543-13	STA. 713.75	1159B21543, REV. G
1159CS20055-45,-47	DORSEL FIN	1159CS20055, REV. H
1159CS20125-76	STA. 149, W.L. 263	1159CS20125, REV. E
1159B21478-179,-181	AFT FUSELAGE FILLET	1159B21478, REV.
1159B21810-91,-93	AFT. FUS. FILLET	1159B21810, REV. J
1159B21811-85,-87	AFT. FUS. FILLET	1159B21811, REV. J
1159B20226-45,-46	STA.193 TO 297	1159B20226, REV. R
1159B21100-34,-33	STA.297 TO 345	1159B21100, REV. R
1159B21241-67	STA.348 TO 442	1159B21241, REV. U
1159B21311-21	STA.452 TO 498	1159B21311, REV. F
1159B21310-11,-21	STA.452 TO 498	1159B21310, REV. D
SE35101112-919	STA.206-219	SE35101112
SE35101107-911	NOSE WHEEL WELL BEAM	SE35101107
1159B21314-59	STA.498 TO 580 TOP	1159B21314, REV. K
1159B21315-11	STA.498 TO 580 L/H	1159B21315, REV. K
SE25101119-911	STA.85. 375	SE25101119, REV. B
SE25101118-901	STA.119	SE25101118
SE35101105-901	STA.219.5 TO 345.875	SE35101105
SE35101111-901	STA.539.75	SE35101111
SE35202106-915	STA.588	SE35202106
SE35200101-901	STA.757 TO 781	SE35200101
SE35107111-901	SHEAR WEB	SE35107111

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<u>SKIN PART NO.</u>	<u>SKIN LOCATION</u>	<u>REF. G.A.C. B/P NO.</u>
1159B10050-203	STA. 44	1159B10050, REV. P
1159B21110-21,-23	STA. 44 TO 85	1159B21110, REV. G
1159B21111-179,-181	STA. 85 TO 133 LWR.	1159B21111, REV. E
1159B20222-81	STA. 133 TO 193 R/H	1159B20222, REV. H
1159B20223-21	STA. 133 TO 193 LWR.	1159B20223, REV. G
1159B20227-67	STA. 193 TO 321 LWR.	1159B20227, REV. R
1159B20225-73	STA. 181 TO 345 (OUTER)	1159B20225
1159B20225-91	STA. 181 TO 345 (DOUBLER)	

I. LANDING GEAR

REPLACED ALL THREE (3) LANDING GEAR - INSTALLED A GIV TYPE MAIN LANDING GEAR AND GIII NOSE LANDING GEAR.

LEFT P/N: <u>1159L40001-1</u>	S/N: <u>T-1587</u>	UNIT T.T.: <u>-0-</u>
RIGHT P/N: <u>1159L40001-2</u>	S/N: <u>T-1582</u>	UNIT T.T.: <u>-0-</u>
NOSE P/N: <u>1159L30004-15AA</u>	S/N: <u>MG 0126</u>	UNIT T.T.: <u>215</u>

J. FLAPS - REPLACED BOTH (2) ASSYS.

LEFT P/N: <u>1159SC20005-1</u>	S/N: <u>AV 104</u>	UNIT T.T.: <u>11,165</u>
RIGHT P/N: <u>1159SC20005-2</u>	S/N: <u>AV 105</u>	UNIT T.T.: <u>11,165</u>

K. AILERONS - REPLACED BOTH (2) AILERONS AND ONE (1) TRIM TAB.

LEFT P/N: <u>1159CS20006-6</u>	S/N: <u>GAC 104</u>	T.T.: <u>11,165</u>
RIGHT P/N: <u>1159CS20006-2</u>	S/N: <u>AV 105</u>	T.T.: <u>11,165</u>
TRIM TAB P/N: <u>1159CSH20600-1</u>	S/N: <u>AV 104</u>	T.T.: <u>11,165</u>

L. SPOILER BOARDS (6) TOTAL REPLACED:

LT. GRD SPOILER	1159CSH20704-7	S/N-AV103
	T.T. 11,165	LDGS. 6562
RT. GRD SPOILER	1159CSH20704-8	S/N-AV254
	T.T. 1772	LDGS. 709
LT. INBD. FLT. SPOILER	1159CSH20700-5	S/N-AV109
	T.T. 11,165	LDGS. 6562
RT. INBD. FLT. SPOILER	1159CSH20700-6	S/N-AV109
	T.T. 11,165	LDGS. 6562
LT. OUTBD. FLT. SPOILER	1159CSH20702-7	S/N-AV109
	T.T. 11,165	LDGS. 6562
RT. OUTBD. FLT. SPOLIER	1159CSH20702-8	S/N-AV102
	T.T. 11,165	LDGS. 6562

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NOTE: ALL BOOST PACKAGES REPLACED.

M. REPLACED ALL FOUR (4) BRAKE ASSYS: (SEE GENERAL NOTE #3)

L/H INBD P/N:	<u>1159SCL-204-35</u>	S/N:	<u>JAN 86-32</u>	T.T.:	<u>53</u>
L/H OUTBD P/N:	<u>1159SCL-204-35</u>	S/N:	<u>JAN 86-34</u>	T.T.:	<u>TSO 889</u>
R/H INBD. P/N:	<u>1159SCL-204-35</u>	S/N:	<u>MAY 86-95</u>	T.T.:	<u>TSO -0-</u>
R/H OUTBD P/N:	<u>1159SCL-204-35</u>	S/N:	<u>MAY 86-98</u>	T.T.:	<u>TSO 153</u>

N. REPLACED ALL FOUR (4) MAIN LANDING GEAR AND TWO (2) NOSE WHEELS AND TIRES - NEW PARTS

O. REPLACE NOSE STEERING UNIT:

P/N ON: 1159SCL200-15 S/N ON: 1513 UNIT T.T.: -0-

P. REPLACED RADOME ASSY:

P/N ON: 1159B21040-3 S/N ON: 004 UNIT T.T.: 163

Q. FLOORBOARDS REPLACED LISTED BELOW:

<u>PART NO.</u>	<u>LOCATION</u>
159BH10011-5	#14
159BH10003-9	#15
1159BH210005-3	#49
1159BH210008-3	#51
1159BH210007-3	#52
1159BH21009-3	#53
1159BH21010-3	#54

R. COCKPIT/COMPANION WAY/CABIN AREA.

1. REPLACED INSULATION THROUGHOUT CABIN, PLUS SOUND DEADENING MATERIAL WHERE REQUIRED.
2. CABIN INTERIOR WAS NOT INSTALLED AT THIS TIME, BALLAST WEIGHTS INSTALLED.

NOTE: C.B. NO. 62 COMPLIED WITH ON 06 OCTOBER 1989  
(Ref. G.A.C. ENGINEERING REPORT NO. 1159SER089-119)

GENERAL NOTES

1. WEIGH CHECK AIRCRAFT - REVISED REPORT.
2. REVISE AIRCRAFT EQUIPMENT LIST AS REQUIRED.
3. 15 DEGREE BRAKE MOD. INSTALLED.

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GENERAL NOTES CON'T

4. PRESSURIZED HULL AS PER G.A.C. SPEC. NO. 1159A-AC-20
5. ALL MATERIAL USED IN REFURBISHING MEET AND OR EXCEED F.A.R. 25.853 FLAME RETARDANT STANDARDS.
6. LIST OF N.D.T. REPORTS

<u>N.D.T. REPORT NO.</u>	<u>SUBJECT</u>
6414	5,000 LANDING
6433	CABIN WINDOWS
6272	SKIN THICKNESS
5798	HORIZONTAL STABILIZER (5,000 LDG.)
6358	TAP TEST
6360	LEFT AND RIGHT ENG CRANE BEAMS

6. LIST OF REF. DWG.

<u>G.A.C. Dwg. No.</u>	<u>Subject</u>
1159BM20526	LINK ASSEMBLY
1159BM20524	LINK ASSEMBLY
1159BM20527	LINK ASSEMBLY
1159B24430	STRINGER
1159B21965	FRAME INSTL
1159B20194	LONGERON ASSY MID
1159B21006	STRINGERS MID
1159B21819	DOOR INSTL
1159B21816	INTERCOSTAL INSTL
1159B21339	FRAME INSTL
1159B21342	BULKHEAD INSTL
1159B21432	STRINGER
1159B21389	LONGERON
1159B21335	FRAME INSTL
1159B21336	FRAME
1159B21377	LONGERON
1159B21347	FRAME INSTL
1159B21625	BRACKET INSTL
1159W20090	DRAG ANGLE INSTL

7. REPAIRED/REPLACED DAMAGED WIRING PER G.A.C. DWG. LISTED.

1159AV30102	DC POWER
1159AV31106	AC POWER

8. ALL TEN (10) CABIN WINDOWS PROCESSED THROUGH G.A.C. WINDOW SHOP - REPAIRED AND RETURN TO SERVICE PER NDT REPORT NO. 6433.

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9. AN ANNUAL INSPECTION WAS PERFORMED, NEXT ANNUAL DUE AT 09 OCT 1989.  
NOTE: 5000 CYCLE STRUCTURE INSPECTION AND 72 MONTH HINGE POINT BEARING INSPECTION COMPLETED.

10. TECHNICAL DIRECTIVES REVIEWED:

AIRCRAFT SERVICES CHANGES REVIEWED THROUGH NO. 197  
ALERT CUSTOMER BULLETINS REVIEWED THROUGH NO. 05  
CUSTOMER BULLETINS REVIEWED THROUGH NO. 107  
A.D.'S REVIEWED THROUGH NO. 89-19-04

ALTERATIONS

G.A.C. A.S.C. INSTALLED:

<u>A.S.C. NO.</u>	<u>SUBJECT</u>
37	
118	

11. BURN CERTIFICATION LIST 303-1

<u>REQUEST NO.</u>	<u>MATERIAL</u>
303-1	FORWARD LAV BULKHEAD
303-2	FORWARD CABIN SINGLE CHAIRS
303-3	MID-CABIN SINGLES & CONFERENCE GROUP
303-4	CABIN DIVANS
303-5	AFT LAV BULKHEAD
303-6	CLOSET DRAPE
303-7	DRAPE CLOSE-OUT
303-8	AFT LAV CLOSET
303-9	CABIN DECORATIVE PANELS
303-10	AFT CABIN BULKHEAD INSERT
303-11	CABIN DIVANS
303-12	LAV CUSHION
303-13	COCKPIT TRIM DRAPE
303-14	CABIN PANELS
303-15	COCKPIT SEATS AND JUMP SEATS

12. COMPLIED WITH STRUCTURAL PROVISIONS FOR EMERGENCY LIGHTS IN OVER-WING FAIRINGS PER GAC Dwg.# SC-74486001.

13. AVIONICS EQUIPMENT WHICH WAS INSTALLED HAS BEEN RECERTIFIED.

-END-

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