



US Department of Transportation
Federal Aviation Administration

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

Form Approved
OMB No. 2120-0020
11/30/2007

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 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. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark N80Y	Serial No. LM-79	
	Make Beechcraft	Model 65	Series A90-1
2. Owner	Name (As shown on registration certificate) Dynamic AvLease, Inc.	Address (As shown on registration certificate) Address PO Box 7	
		City Bridgewater	State VA
		Zip 22812	Country United States

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in Item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name Don Damron	Address 3122 Eversole Rd. City Harrisonburg State VA Zip 22802 Country USA	<input checked="" type="checkbox"/> U. S. Certificated Mechanic	Manufacturer
		<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
		<input type="checkbox"/> Certificated Repair Station	A&P 3154755
		<input type="checkbox"/> Certificated Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 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.

Extended range fuel per 14 CFR Part 43 App. B <input type="checkbox"/>	Signature/Date of Authorized Individual 	9/18/09
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7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is Approved Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	X Inspection Authorization	Other (Specify)

Certificate or Designation No. 3329763 EA	Signature/Date of Authorized Individual 9-19-2009
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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.)

N80Y

9/18/09

Nationality and Registration Mark

Date

1. Alteration consists of a 250A Aux power tap.
2. Accomplished Aux power tap installation, approved on 8110-3 dated 9/18/09, approved by C.T. Ayers DERT-510009-CE.
 - a). Installed a 250 amp ANL Burnde Current Limiter under Co-pilot's floor at F.S. 130.0 using two AN5091032 countersunk screws with self-locking nuts and washers. Routed 2 two-gauge wires from battery buss side of generator buss tie limiter to the current limiter.
 - b). Installed a 400 amp Eaton continuous duty relay p/n 6401H205A under Co-pilot's floor at F.S. 120.0 using two AN-3 bolts with self-locking nuts and washers. A 5 amp inline fuse is installed between the positive side of the coil to the buss side of the relay. Routed 2 two-gauge wire from the auxiliary current limiter to the continuous duty relay. Labeled relay "AUX POWER".
 - c). Mounted an Eaton A123K12KZQ relay control switch to the center pedestal on the pilot's side of the autopilots controller. Connected switch to 400 amp continuous duty relay and pedestal grounding point using 20 gauge wire. Labeled switch "AUX POWER-OFF WHEN ENGINE OR GENERATOR FAILS".
 - d). Installed terminal strip p/n MS27212-5-8 under forward center aisle access panel F.S. 172.0 using three NAS1329-6 rivnuts and three MS35206-6-32C screws. Routed 2 two gauge wire from terminal strip to continuous duty relay. Labeled terminal strip "AUX POWER"
- Revised aircraft weight and balance data.
3. Operating instructions – Not applicable.
4. Servicing instructions – Not applicable.
5. Maintenance – Inspect the installed system at the same interval and IAW the electrical system inspection in the Dynamic Aviation Group Maintenance Manual Supplement or other approved inspection program.
6. Trouble Shooting information – Not applicable.
7. Removal procedures – Reverse of installation procedures.
8. Diagrams for access – Not applicable.
9. Special Inspection Requirements – Not applicable.
10. Application of Protective Treatments – Not applicable.
11. Installation – Paragraph 2 above was accomplished IAW M.R.I. # 08-21-01 dated 7/7/08 approved by C.T. Ayers, DERT-510009-CE, on 8110-3 dated 7/10/08. Referenced AC43.13-1B/2A where applicable.
12. No special tools needed.
13. Commuter category aircraft – Not applicable.
14. No additional overhaul time limitations.
15. No additional airworthiness limitations.
16. To revise the ICA submit a letter and a 337 describing the revision to the local FSDO.

----- END -----

Additional Sheets Are Attached

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION			DATE:
STATEMENT OF COMPLIANCE WITH THE FEDERAL AVIATION REGULATIONS			9/18/2009
AIRCRAFT OR AIRCRAFT COMPONENT IDENTIFICATION			
MAKE	MODEL NO.	TYPE (Airplane, Radio, Helicopter, ect.)	NAME OF APPLICANT
BEECHCRAFT	65-A90-1	AIRPLANE	DYNAMIC AVIATION GROUP, INC.
LIST OF DATA			
IDENTIFICATION	TITLE		
MODIFICATION/ REPAIR/INSPECTION PROCEDURE 08-24-01 (6 PAGES) REV. NONE DATE: 7/7/08	INSTALLATION - AUXILIARY POWER TAP 250 AMP		
----- END OF DATA -----			
NOTES:			
<ol style="list-style-type: none"> 1. THIS APPROVAL IS FOR N80Y, S/N LM-79. 2. THE STRUCTURAL & SYSTEMS ASPECTS ONLY OF THE ABOVE LISTED DATA ARE APPROVED HEREIN. 3. THIS APPROVAL IS ONLY FOR THE ENGINEERING DATA. IT INDICATES THE DATA LISTED ABOVE DEMONSTRATES COMPLIANCE ONLY WITH THE REGULATIONS SPECIFIED BY PARAGRAPH AND SUBPARAGRAPH LISTED BELOW AS "APPLICABLE REQUIREMENTS". 4. THIS FORM CONSTITUTES FAA APPROVAL ALL OF THE ENGINEERING DATA NECESSARY FOR SUBSTANTIATION OF COMPLIANCE TO NECESSARY REQUIREMENTS FOR THE ENTIRE MODIFICATION. 			
PURPOSE OF DATA: IN SUPPORT OF MAJOR ALTERATION, 250 AMP POWER TAP FOR MISSION EQUIPMENT. DONE FOR OWNER/OPERATOR, RETURN TO SERVICE BY FORM 337.			
APPLICABLE REQUIREMENTS (List specific sections), 14 CFR, FAR 23, PARAGRAPHS 23.301, 23.303, 23.305, 23.307(a), 23.601 THROUGH 23.609 ALSO 23.1301, 23.1309, 23.1351, 23.1357, 23.1365, 23.1367 AND 23.1541(a)(2) & (b).			
CERTIFICATION - Under authority vested by direction of the Administrator and in accordance with conditions and limitations of appointment under Part 183 of the Federal Aviation regulations, data listed above and on attached sheets numbered _____ NA _____ have been examined in accordance with established procedures and found to comply with applicable requirements of the Federal Aviation Regulations.			
I (We) Therefore <input type="checkbox"/> Recommend approval of these data <input checked="" type="checkbox"/> Approve these data			
SIGNATURE(S) OF DESIGNATED ENGINEERING REPRESENTATIVE(S)	DESIGNATION NUMBERS(S)	CLASSIFICATION(S)	
 C. T. AYERS	DEFT-510009-CE	STRUCTURES, SYS&EQUIP	