US.Department of Transportation Federal Aviation

Administration

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

Form Approved									
OMB No.	2120-0020								

For FAA Use Only

Office Identification

WD-27 OFIK-FS DO

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).

	Make				Model 2						
1. Aircraft	Republic			RC-3 Nationality and Registration Mark							
	Serial No. 1000					Manona	N5166B				
	Name (As shown on registration certificate)			;)		Address (As shown on registration certificate)					
2. Owner	Dave	ey Darrell L				6613	3 Santa Rosa				
	1	y Deborah .				Car	narillo Ca 93	3012-5	672		
3. For FAA Use Only											
The data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft, subject to conformity inspection by a person aythorized in FAR 43, Section 43.7											
						_	20-99 o		<i>((</i>	X1 43.1	
						<u> </u>		SIGNATURE	OAK-FSDO		
-	4. Unit Identificati				Jnit Identificati	on	5. Type				
Unit	Make			Model			Serial No.		Repair	Alteration	
AIRFRAME	E(As described in Item 1 above)										
POWERPLANT											
PROPELLER											
APPLIANCE	Type Manufacturer										
			6	. Co	nformity Staten	nent					
A. Agency's Na	ame and Address			1	Kind of Agency			C. Certi	ficate No.		
K	enneth L. T.	hompson	7	 	U.S. Certificated Mechanic			_			
	O Box 411		,		Foreign Certificated Mechanic			545767051			
		95487	1	Certificated Repair Station 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			1	1	nature of Autho				<u>_</u>		
9-	9-20-99 Wen Thompson										
			7. Ap		al for Return To						
Pursuant to 1 Administrato	the authority gives r of the Federal Av	n persons specified viation Administration	d belov on and	v, the	unit identified APPROVE	l in item 4 D O R	EJECTED	the man	ner prescribe	ed by the	
FAA Inspe	Fit. Standards ector	Manufacturer		Insp	ection Authoriza	ıtion	Other (Specify)				
FAA	Designee	Repair Station		Cana	son Approved by ada Airworthines	ss Group					
Date of Approva		Certificate or Designation No. 552273581			nature of Author Donglas P. S	_	vidual				

NOTICE

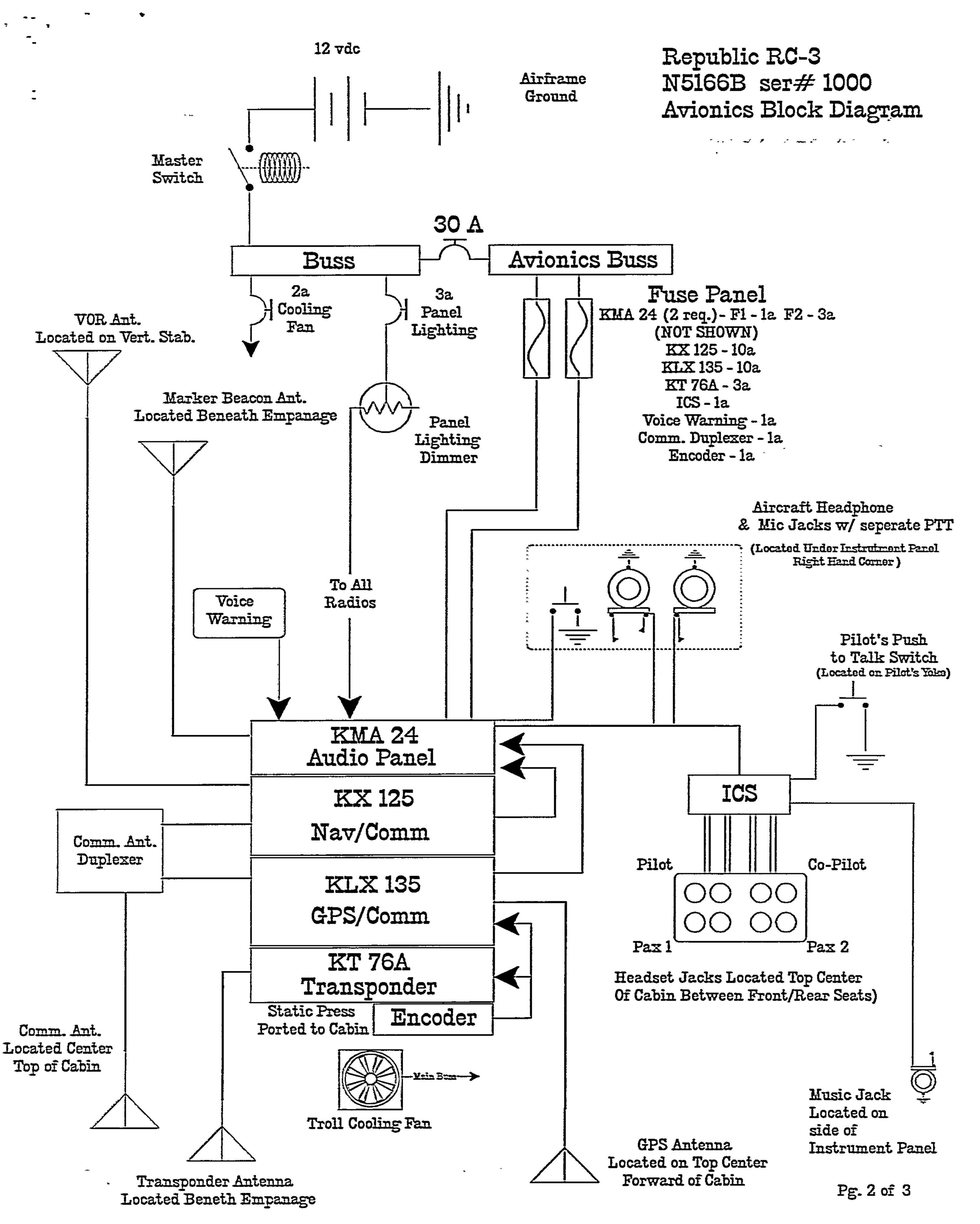
Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

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

Republic RC-3 Ser# 1000 N5166B

- 2. Description: Installed Troll Avionics, Inc. multi-port cooling fan, part# FN-200 to avionics support structure behind instrument panel with four (4) AN526-1032 screws and AN365 nuts. Cooling fan is fused through a 2 amp circuit breaker on main aircraft buss. Fan is ducted to KX-125 and KX-135 with Aeroduct CAT -2 flexible ducting. All wire used is MIL-W-22759/16 18 awg. All work done in accordance with Troll Avionics installation instruction sheet part# 2000004 rev. C, AC 43.13 1A, Ch. 11, section 2, para.424, 429, section 3, para. 442, 443, 445 thru 451, fig. 11.7a, section 7, para. 514 thru 520.
- 3. Control, operation information: None
- 4. Servicing information: None
- 5. Maintenance instructions: Must be inspected annually in accordance with FAR 43 appendix D.
- 6. Trouble shooting information: None
- 7. Removal and replacement information: None
- 8. Diagrams: None
- 9. Special inspection requirements: None
- 10. Application of protective treatments: N/A
- 11. Data: None
- 12. List of special tools: None
- 13. For commuter category aircraft: N/A
- 14. Recommended overhaul periods: No additional overhaul time limitations
- 15. Airworthiness limitation section: No additional airworthiness limitations
- 16. Revision: A letter will be submitted to the local FSDO with a copy of the revised FAA form 337



9-20-99

