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	03
1,20-00 -00 -	2/07

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).

•	ch violation (Section			-				pena				
	Make					Model RC-3						
1. Aircraft	Republic Serial No.			Nationality and Registration Mark								
		Serial No. 1000				1444011411	N5166B					
	Name (As shown on registration certificate)				Address (As shown on registration certificate)							
2. Owner	Dave	Davey Darrell L				6613 Santa Rosa Rd						
	Dave	A			Camarillo Ca 93012-5672							
	· · · · · · · · · · · · · · · · · ·			3. 1	For FAA Use Or	ıly						
	_					edT requi	data identified herein co rements and is approved amily inspection by a per	sou sathbuise tot the above while	the applicable air described aircraft din FAR 43, Section	worthiness subject to on 43.7		
						9.	-20-99 (chell	16m	22		
	DATE SIGNATURE OAK-FSI						-FSDO					
		<u> </u>	4. Unit Identification					5. Type				
Unīt	Ma	ake			Model		Serial No		Repair	Alteration		
AIRFRAME	(As described in Item 1 above)											
POWERPLANT												
PROPELLER												
	Туре						·					
APPLIANCE	Manufacturer	anufacturer										
	1		6	i. Co	nformity Staten	nent	······································		<u>}</u>	<u>!</u>		
A. Agency's Name and Address			B. Kind of Agency				C. Certificate No.					
Kenneth L. Thompson PO Box 411			U.S. Certificated Mechanic			545767051						
			Foreign Certificated Mechanic									
Vineburg, Ca. 95487				Certificated Repair Station Manufacturer								
	hat the repair and/o		o the un	it(s)	 .	n 4 above a	and described on the	he reverse	orattachme	nts hereto		
have bee	n made in accorda d herein is true and	nce with the requir	ements	of P	art 43 of the U.S	S. Federal	Aviation Regulation	ons and th	at the inform	ation		
Date				Sig	nature of Autho		_					
9	-20 -9	7			Hen	Teles	musion					
			7. Ap	prov	al for Return To	Service						
	the authority give or of the Federal Av				e unit identified		was inspected in EJECTED	n the man	ner prescrib	ed by the		
lnsp	Fit. Standards pector	Manufacturer		Insp	ection Authoriza	ation	Other (Specify)	-				
BY FAA	N Designee	Repair Station		•	on Approved by ada Airworthine	-						
_	valor Rejection	Certificate or Designation No.		Sign	nature of Autho	rized Indi	vidual					
9-20-99 552273581]	1995 A. Smith							

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.

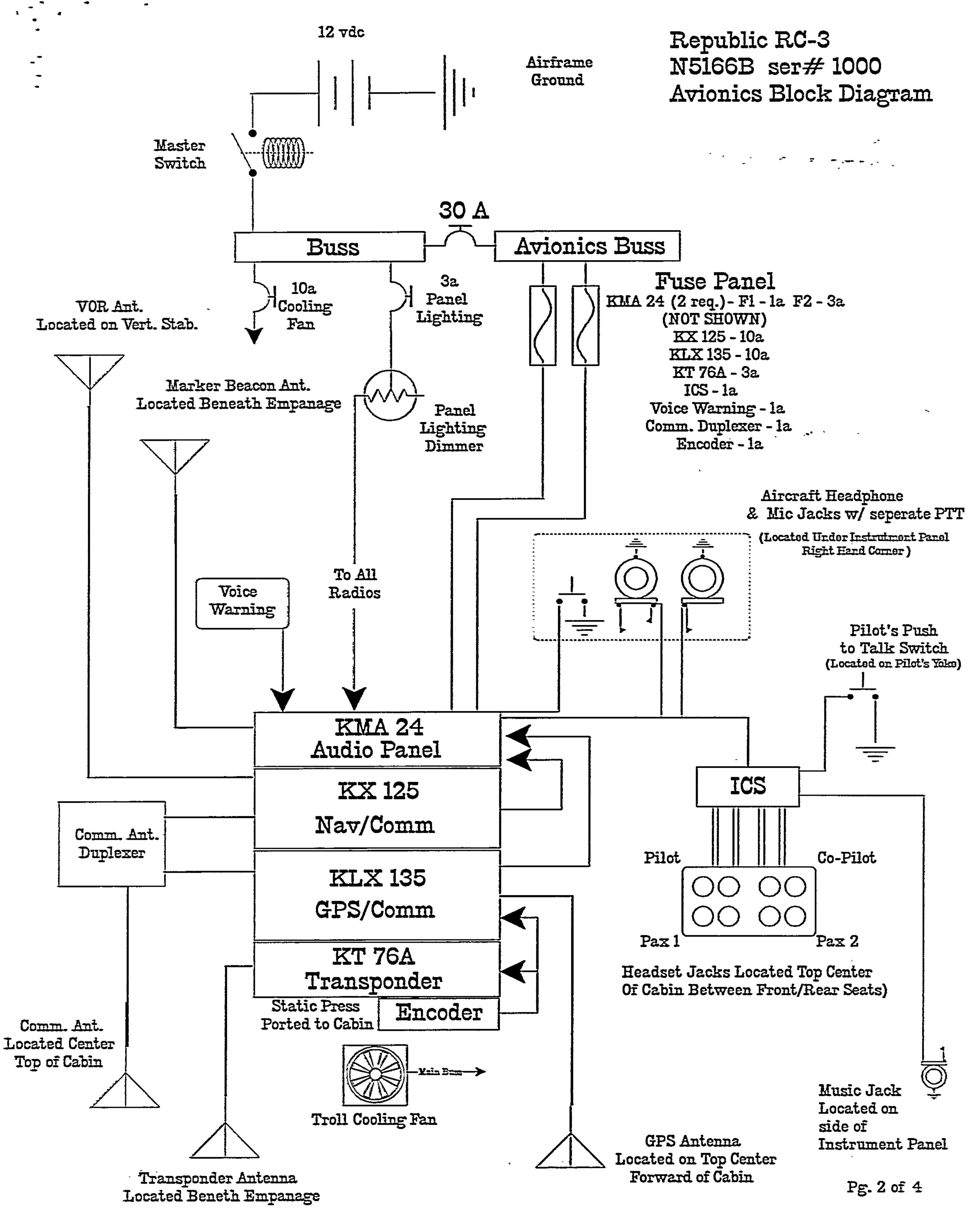
8. Description of Work Accomplished

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

Republic RC-3 N5166B Ser.# 1000

- 2. Description: Installed Bendix King KT76A Transponder TSOed, and ACK A-30 encoder TSOed. KT-76A mounted in instrument panel and connected to encoder mounted on radio rack support for transponder behind instrument panel. King KA-60 transponder antenna mounted on the bottom of fuselage, underneath tail and sealed with PRC 1422 B2 polysulfide compound. with PIC Wire and Cable low loss coaxial cable P/N S33141 which complies with MIL-C-17 and FAR 25.1359(d) was used for the antenna/transponder connection. Transponder circuit protected with a 3 amp fuse in panel mounted fuse holder. Transponder tested as per FAR 43 appendix F for IFR flight by Northcoast Services CRS WR3R955L. All work done in accordance with Bendix/King Transponder installation manual #006-00143-0005 rev.5 dated Feb. 5, 1994, ACK A-30 Altitude Encoder Operation and Installation Manual, rev, 05/22/89, 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, AC 43.13 2A, ch.1, ch.2, para. 21, 22, 23, 27, ch.3, para. 36, 42, and fig.3.24 & fig. 3.26.
- 3. Control, operation information: Reference Bendix/King Transponder installation manual #006-00143-0005 rev.5 dated Feb. 5, 1994
- 4. Servicing information: None
- 5. Maintenance instructions: Must be inspected annually in accordance with FAR 43 appendix D and FAR part 91.
- 6. Trouble shooting information: N/A
- 7. Removal and replacement information: Bendix/King Transponder installation manual #006-00143-0005 rev.5 dated Feb. 5, 1994
- 8. Diagrams: Attached
- 9. Special inspection requirements: None
- 10. Application of protective treatments: PRC 1422 B2 polysulfide compound on antenna mount
- 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

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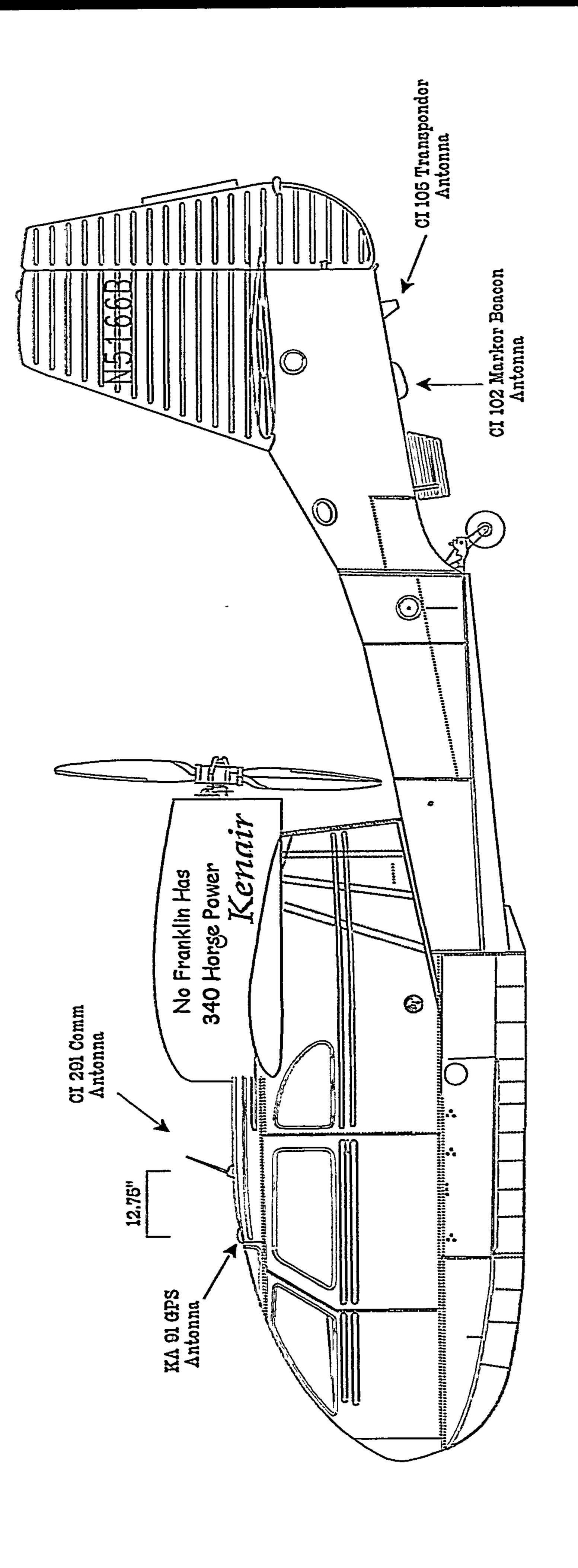


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RC-3 N5166B S/N 1000 Avionics Antenna Location

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KT-76 Transponder Location

