US Department	
of Transportation	1

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

Form	Approve

OMB No. 2120-0020

For FAA Use Only

Federal Aviation Administration

Office Identification

INSTRUCTIONS	B: Print or type all	entries. See FAF	3 43.9, F	AR 4	3 Appendix B, a	and AC 4	43.9-1	(or subseque	ent revision	on thereof) for	instructions
	of this form. This r n (Section 901 of				.S.C. 1421). Fai	lure to re	eport o	can result in a	a civil pen	alty not to exc	ceed \$1,000
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1 3 1 1 1	11	NAV-4-2			1.12	N5413K					
-	Name (As shown of	n registration certifica				Address (As shown on registration certificate)					
	· (17.35) 4.7	Putney, Willi		111		5780 Balmoral Drive					
2. Owner		Rodgers, C	Gail C		Oakland, CA 94619						
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6-2-03					H3orduse						
			7. Ap	prov	al for Return T	o Servic	e				4 200
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Date of Approval or Rejection Certificate or Designation No. A.P. 2020552 I.A.					gnature of Author	orized In	dividu	al 14	Boro	luol	
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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.)

Description of alteration: This alteration removes the R.C. Allen Directional Gyro and installs a Michell (Edo-Aire) 52D54M directional Gyro.

Description of work: The old directional gyro was removed and discarded. Installation of the 52D54M directional Gyro was accomplished according to Edo-Aire directional gyro data sheet. This unit is in location 4a on the panel (see attached dwg N5413K Panel).

The existing vacuum and air lines and connectors were reused for this alteration. The vacuum system operates at the correct pressure for this instrument.

A new weight and balance measurement in accordance with 43.13 chapter 10 has been done which includes this alteration.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

- 1) Introduction: See above (Form 337 section 8).
- 2) Description: See above (Form 337 section 8).
- 3) Control: Not applicable.
- 4) Servicing information: Not applicable.
- 5) Maintenance Instructions: Not applicable.
- 6) Trouble shooting information: Not applicable.
- 7) Removal and replacement information: The instrument is attached to the panel with 4 #6-32 flat head screws. Remove and cap or plug all vacuum and air lines.

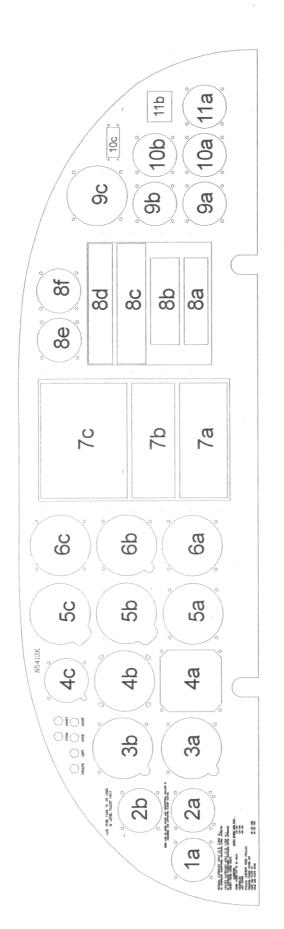
If the aircraft is to be released for service without this instrument installed, check other vacuum driven instruments for proper operation. Make aircraft log entry "Released for return to service for VFR flight only".

- 8) Diagrams: Not applicable.
- 9) Special inspection requirements: Not applicable.
- 10) Application of protective treatments: Not applicable.
- 11) Data: No structural fasteners were used in the installation of this unit.
- 12) List of special tools: No special tools are required to install or maintain any components associated with this alteration.
- 13) For commuter category aircraft: Not applicable.
- 14) Recommended overhaul periods: Not applicable.
- 15) Airworthiness Limitation Section: Not applicable.
- 16) Revision: A letter will be submitted to the local FSDO with a copy of the revised FAA Form 337 and revised ICA. The FAA inspector accepts the change by signing Block 3 of the 337.

1 Border

6-2-63

6-2-03



Material: 6061-T6 Thickness: 0.100"

Finish: Low reflectivity powder coating

SN: NAV-4-2313B N5413K Pane Reg: N5413K

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NAV-2452781-13888

DWG NO.

SIZE FSCM NO.

SCALE 1:5

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