FEDERAL AVIATION ADMINISTRATION



MAJOR REPAIR AND ALTERATION (Airframe, Powerplant, Propeller, or Appli

FOR FAA USE ONLY
OFFICE IDENTIFICATION, NK. GATO.

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101 1	TRUC'I	l'IONS: Print or ions and disposi	type all entries. Se tion of this form.	e FAR	43.9, FAR 43 App	endix B, an	d AC 43.9-1	(or subsequen	t revision t	hereof)
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1. AIR	CDAET	REPUBLIC			RC-3					
· AIR	TIMIT	SERIAL NO.				NATIONALITY AND REGISTRATION MARK				
		765				N6499K				
		NAME (As shown on registration certificate)				ADDRESS (As shown on registration certificate)				
2. OWNER		Bert W. Hanson				5608 Wal mut 9t Omaha				
		Eloise E. Hanson Partners .				5608 Walnut St., Omaha, Nobr				
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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 air craft nationality and registration mark and date work completed.)

 The following repairs and alterations were done in accordance with AC 43.13-1 procedures. The same and similar modifications have been performed on other Republic RC-31s.
- 1. Wing Root Fonces (right & left) were installed at location between inner edge of flaps and wing, extending from a point 2 inches aft of wing trailing edge, forward 35½ inches over top of wing. Fences fabricated of .062 inch thick 2024 T3 aluminum and attached to the fairing and wing with 9 aluminum angle clips of 2024 T3 aluminum, #10 sheetmetal screws and AH 526-1032 machine screws. The vertical measurement is approximately 11½ inches. The same modification was done to N6725K on 8-6-164.
- 2. Installed spinner on far tasting of engine. Sommer is made from 5005-0 aluminum, thickness .081 inch, spun to 15% inch maximum diameter and 15 inch long. Is attached to fan casting with 8 AR 970-4, AR 74A-5 bolts and washers: The same modification was done to N6144K on December 12, 1968.
- 5. Cabind vent openings 3 inch diameter, centered 7 inches forward of rear edge and 3 inches above top indenture to rear cabin skin was made. A 2 inch opening centered 4 inches above this opening was also made. A 3 inch opening was made 9 inches above the top skin indenture, 3 inches to the rear of the baggage compartment's forward skin brace. All openings were covered with aluminum server and reinforced with 2024 T3 aluminum m sheet .040 inches thick and AN 470-AD 3 rivets
 Similar modifications were described in bulletins published by the Republic Corp,
- 4. Replaced bottom hull skin under the gas tank compartment from the hull step to 21 inches forward to the flange of a cross brace. Skin is 2024 T3 aluminum .040 inch thick and riveted with AN 470-AD6 rivets.
- 5. Aircraft was weighed to establish current weight and balance. C.G. falls within approved range.

ADDITIONAL SHEETS ARE ATTACHED

U.S. GOVERNMENT PRINTING OFFICE : 1967 OF-272-COS