



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

*WR-27 MS*

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).

1. Aircraft	Make <b>Republic</b>	Model <b>RC-3</b>
	Serial No. <b>1000</b>	Nationality and Registration Mark <b>N5166B</b>
2. Owner	Name (As shown on registration certificate) <b>Davey Darrell L Davey Deborah A</b>	Address (As shown on registration certificate) <b>6613 Santa Rosa Rd Camarillo Ca 93012-5672</b>

**3. For FAA Use Only**

*Bearing Sawn*

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 authorized in FAR 43, Section 43.7

*8 Sep 99* *Michael J Beck*  
DATE SIGNATURE OAK-FSDO

**4. Unit Identification**

**5. Type**

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

**6. Conformity Statement**

A. Agency's Name and Address <b>Kenneth L. Thompson PO Box 411 Vineburg, Ca. 95487</b>	B. Kind of Agency <input checked="" type="checkbox"/> U.S. Certificated Mechanic <input type="checkbox"/> Foreign Certificated Mechanic <input type="checkbox"/> Certificated Repair Station <input type="checkbox"/> Manufacturer	C. Certificate No. <b>545767051</b>
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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 <i>8-25-99</i>	Signature of Authorized Individual <i>Kenneth L. Thompson</i>
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**7. Approval for Return To Service**

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is  APPROVED  REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station	Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection <i>9-8-99</i>	Certificate or Designation No. <b>552273581</b>	Signature of Authorized Individual <i>Douglas P. Smith</i>
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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.)

Republic RC-3      N5166B      Ser.# 1000

2. Description: Installed Kenair Bearing Saver bearing pressurization device on B.F Goodrich model 6056A 7.00X8 main landing gear wheels. Original method of wheel attachment has not been altered. Reference attached drawings.
3. Control, operation information: Reference Kenair installation and operation manual KA-1, rev.1 dated 7-15-99
4. Servicing information: Add grease through fitting
5. Maintenance instructions: Must be inspected annually in accordance with FAR 43 appendix D.
6. Trouble shooting information: N/A
7. Removal and replacement information: Reference Kenair installation and operation manual KA-1, rev.1 dated 7-15-99
8. Diagrams: Attached
9. Special inspection requirements: None
10. Application of protective treatments: None
11. Data: Previous FAA form 337 attached
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

Additional Sheets Are Attached

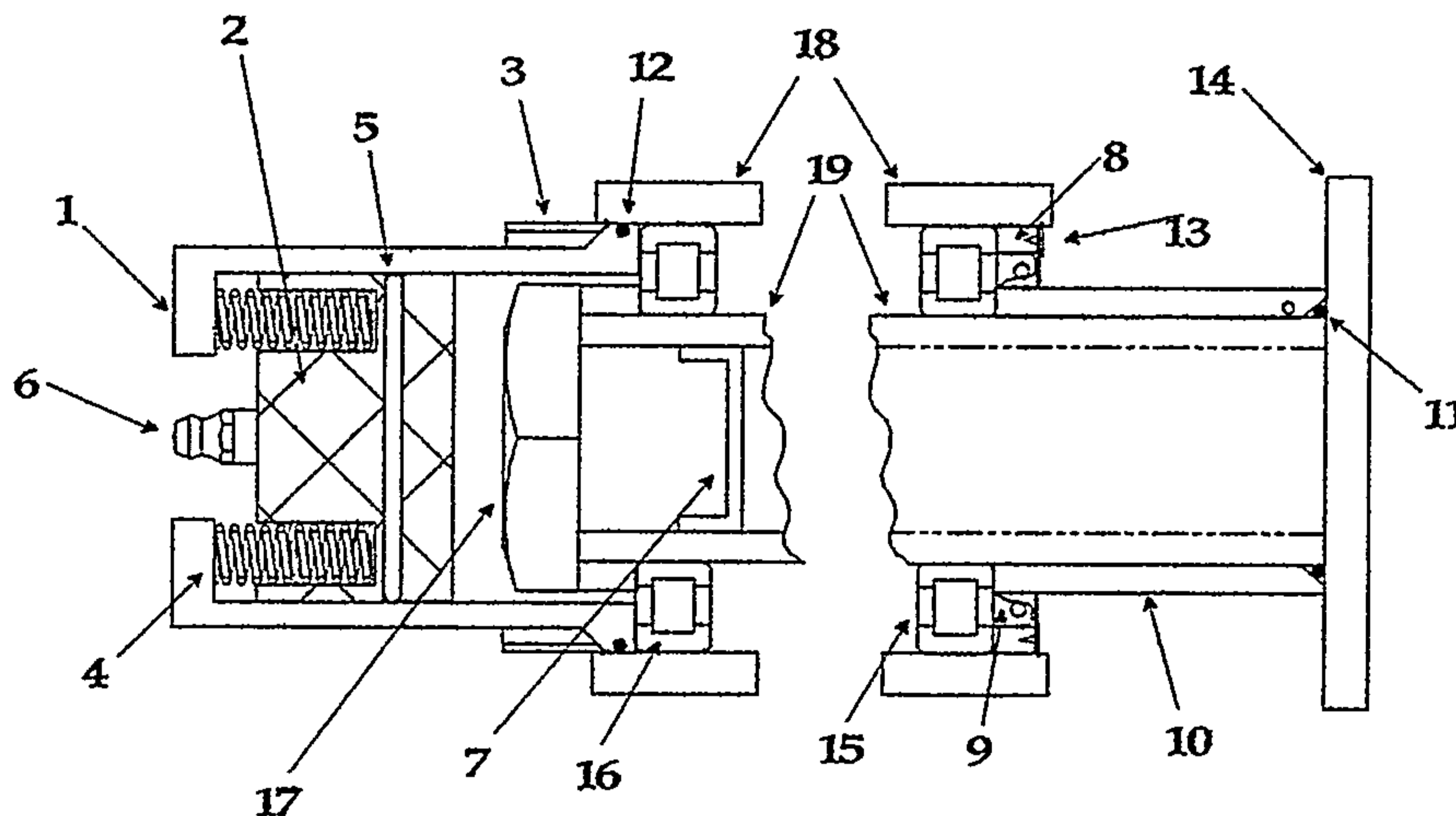
# Kenair Aviation

P.O.Box 411 Vineburg, Ca 95487

## Bearing Saver Automatic Bearing Greaser K-1

### Installation and operation manual K-1

1. Remove wheel.
2. Remove inner snap ring (13), washers, grease seal and axle spacer.
3. Replace with seal (9), seal adapter (8), and snap ring (13) (original).
4. Install seal journal (10) with O ring (11) over axle.
5. Install core plug (7) in axle.
6. Remove outer grease seal and washers.
7. Replace wheel on axle and secure with axle nut (17), and cotter pin.
8. Install assembled grease dome (1,2, 4, 5, 6, 12) on wheel with lock ring (3) insuring that lock ring is seated completely in wheel groove.
9. Using grease gun, pump grease in fitting (6) until piston is approx. 1/4" from top of grease dome.
10. Refill grease dome when piston is 3/4" from top of grease dome.
11. Inspect fill status and security of dome at each pre-flight.



Item#	Description		Qty.
1	Grease Dome		1
2	Piston		1
3	Lock Ring		1
4	Spring		6
5	O ring		1
6	Grease Fitting		1
7	Axel Core Plug		1
8	Seal Adapter		1
9	Seal		1
10	Seal Journal		1
11	O ring		1
12	O ring		1
13	Snap Ring	Original	1
14	Brake support	Original	1
15	Inner Bearing	Original	1
16	Outer Bearing	Original	1
17	Axel Nut	Original	1
18	Wheel	Original	1
19	Axel	Original	1

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8-25-99



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1. Aircraft	Make <b>REPUBLIC</b>	Model <b>RC-3</b>
	Serial No. <b>950</b>	Nationality and Registration Mark <b>N114N</b>
2. Owner	Name (As shown on registration certificate) <b>DARREL L DAVEY</b>	Address (As shown on registration certificate) <b>6613 SANTA ROSA ROAD CAMARILLO CA 93010</b>
	The data/alteration identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft, subject to conformity inspection by a person authorized in FAR 43, Section 43.7	

*09-26-91 Michael G. Davis OAK-FSDO*

Unit	4. Unit Identification			5. Type		
	DATE	SIGNATURE Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ (As described in Item 1 above) ~~~~~					X
POWERPLANT						
PROPELLER						
APPLIANCE	Type					
	Manufacturer					

**6. Conformity Statement**

A. Agency's Name and Address <b>DOUGLAS P. SMITH 3763 PEACH DR. LOOMIS, CA. 95650</b>	B. Kind of Agency		C. Certificate No. <b>552273581</b>
	<input checked="" type="checkbox"/>	U.S. Certificated Mechanic	
	<input type="checkbox"/>	Foreign Certificated Mechanic	
	<input type="checkbox"/>	Certificated Repair Station	
<input type="checkbox"/> 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 <b>9-26-91</b>	Signature of Authorized Individual <i>[Signature]</i>
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**7. Approval for Return To Service**

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is  APPROVED  REJECTED

BY	FAA Fit. Standards Inspector	Manufacturer	<input checked="" type="checkbox"/>	Inspection Authorization	Other (Specify)
	FAA Designee	Repair Station		Person Approved by Transport Canada Airworthiness Group	
Date of Approval or Rejection		Certificate or Designation No.	Signature of Authorized Individual <i>[Signature]</i>		

## 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.)

INSTALLED MAIN LANDING GEAR BEARING PRESSURIZATION DEVICE ON  
B.F.GOODRICH MODEL 6056A 7.00X8 WHEELS AS SHOWN ON PAGE 2.  
ORIGINAL METHOD OF WHEEL ATTACHMENT HAS NOT BEEN ALTERED.  
EQUIPMENT LIST REVISED AND AIRCRAFT WEIGHED. *END* —

Additional Sheets Are Attached

~~PAGE 2 OF 2~~

NOTES:

- GREASE DOME MATL: 17-4 SS OR 304 SS
- LOCK RING MATL: 17-4 SS OR 304 SS .156" GAP CLOSED --- .310 OPEN"
- PISTON MATL: BLACK DELRIN \* SEAL ADAPTER
- CORE PLUG: 1.25" Ø DORMAN # 565-014
- SPRINGS, 4 REQD .375 OD X 1.55 LG 10 TPI W .047" WIRE
- GREASE SEAL: FEDERAL # NATIONAL 353720

