

No: 000368

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By: FLC Date: 12-04-84 Page: 1 of 1

Send To: PRODUCTS 901 THRU 925

C \* MULTIPLE LETTER MAILING \* Subject: ADDITION OF RUBBER  
U FRICTION RINGS TO VENT  
S SEE FIRST LETTER FOR VALVES ON THE EAGLE II  
T NAME AND ADDRESS. AIRCRAFT

The Eagle II aircraft features two fresh air vents in each cockpit. These vents have ball-type butterfly valves to control the volume and direction of air entering the cockpit.

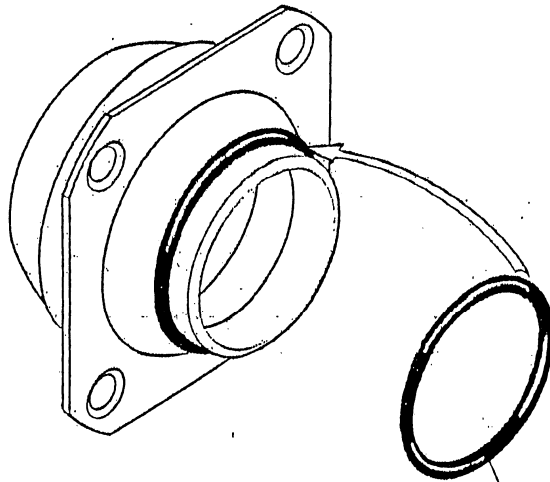
During flight the air flowing along the sides of the fuselage in the area of the outside vent scoops is turbulent due to air disturbance from the propeller. This turbulent air causes the fuselage panels with the vent scoops to vibrate somewhat, sometimes causing the valves to creep closed or to wear in the area of the butterfly mechanism.

To stabilize the valve so that it is affected less by vibration, rubber friction rings have been added to the vent valves. The rings fit around the rotating bezel of the valve, creating friction between the bezel and the valve body to prevent rotation of the bezel from vibration. The ring installation is illustrated in the attached Engineering Sketch X-90192.


The friction rings are now a standard part of the Eagle II aircraft 914 Fuselage Panels Kit. Rings may be ordered for retrofit to Eagle II aircraft currently flying or under construction as follows:

Orders should be placed in the usual way with payment by check, credit card, or UPS COD. Delivery is immediate from stock.

ENCLOSURE: ENGINEERING SKETCH X-90192



CHRISTEN 50004-123 O-RING (MS9021-123)  
 PLACED IN GROOVE BETWEEN ROTATING BEZEL  
 AND VALVE BODY TO PREVENT MOVEMENT DUE  
 TO VIBRATION.

UNLESS OTHERWISE SPECIFIED:  TOLERANCES: FRAC. $\pm 1/64$ DEC. $XXX \pm .005$ ANGLES $\pm 0^{\circ} 30'$  DIMENSIONS IN INCHES DO NOT SCALE DRAWING	MATERIAL AND CONDITION NOTED			<b>CHRISTEN</b>  CHRISTEN INDUSTRIES HOLLISTER, CALIFORNIA	
	FINISH NONE				
	DRAWN BY I. CLEDE	DATE 04-06-84	PROJECT EAGLE II AIRCRAFT		TITLE BALL VALVE FRICTION RING
	APPROVED BY	DATE			GD&E NO. PA X- 90192