

**R44 SERVICE BULLETIN SB-92A**  
(supersedes R44 SB-92)

**DATE:** 14 November 2016      **REV A:** 20 December 2017

**TO:** R44 & R44 II Owners, Operators, and Maintenance Personnel

**SUBJECT:** Tail Rotor Drive Shaft Damper Bearing

**ROTORCRAFT AFFECTED:** R44 Helicopters S/N 0006 thru 2449 and R44 II Helicopters S/N 10001 thru 14026. Spare D224-1 and D224-2 tail rotor drive shaft assemblies are also affected.

**TIME OF COMPLIANCE:** Original compliance time was no later than 31 October 2017. Compliance time is unchanged.

**BACKGROUND:** This bulletin requires applying sealant to damper bearing to prevent seal rotation and possible loss of lubricant. Newer versions of the damper bearing have a data plate and tighter seal fit and do not require sealant.

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**COMPLIANCE PROCEDURE:**

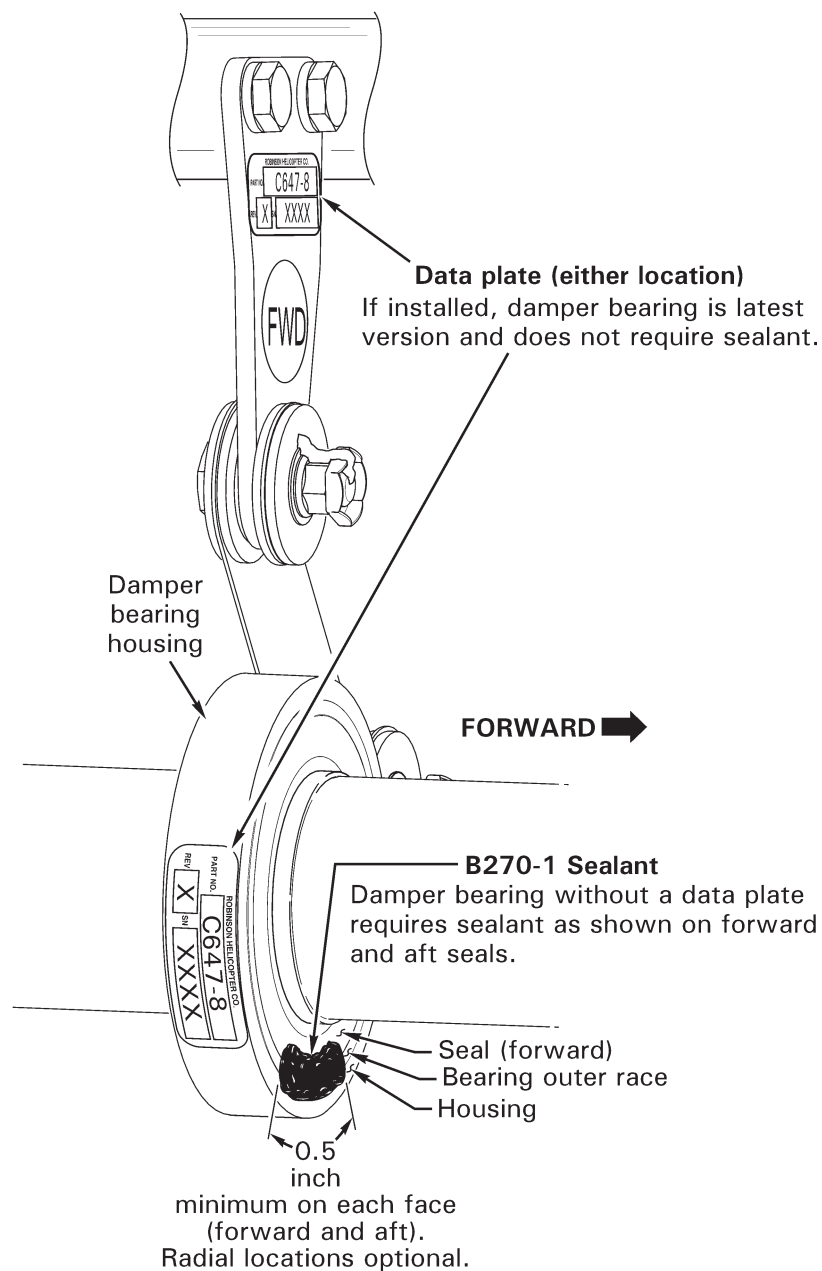
Refer to Figure 1. If a data plate is installed on the C041-8 arm or damper bearing housing, then the damper bearing is latest version and no sealant is required. A damper bearing without a data plate requires sealant per the following:

1. If D224 is installed in tailcone: Remove forward inspection plug assembly from tailcone. Remove B322-2 cover from atop tailcone third bay, or if antenna is installed, pull associated avionics circuit breakers and remove antenna.
2. Visually inspect forward and aft faces of damper bearing (refer to R44 Illustrated Parts Catalog Figure 65-5) and verify minimum 0.5 inch length of B270-1 sealant anywhere along junction of black seal and bearing outer race.
3. As applicable, clean accessible portion of bearings lacking sealant with cotton swabs dampened with acetone. Using a smooth, rounded tool of sufficient length, apply a minimum 0.5 inch long bead of B270-1 sealant at most accessible junction of seal and bearing outer race; sealant contact with housing is permissible. Allow sealant to cure. Sealant is required on both bearing faces (forward and aft).
4. Install forward inspection plug assembly and verify security. Install B322-2 cover, or install antenna and push in associated circuit breakers. Verify cover or antenna security.
5. Make appropriate maintenance record entries. No change to helicopter weight and balance.

(OVER)

**APPROXIMATE COST:**

Parts: \$30.25 for B270-1 sealant (2 oz).  
Labor: 1.0 man-hour.



**FIGURE 1**

THE DESIGN ENGINEERING ASPECTS OF THIS BULLETIN HAVE BEEN SHOWN TO COMPLY WITH APPLICABLE FEDERAL AVIATION REGULATIONS AND ARE FAA APPROVED.