

R66 SERVICE BULLETIN SB-01

DATE: 26 April 2011

TO: R66 owners, operators, and maintenance personnel

SUBJECT: D333-13 Fitting Lubrication

ROTORCRAFT AFFECTED: R66 helicopters S/N 0004, 0006 thru 0019, 0021 thru 0025, and 0030.

TIME OF COMPLIANCE: At next 100-hour or annual inspection, whichever occurs first.

BACKGROUND: RHC received a report of binding in a power turbine governor (PTG) control linkage. This bulletin requires lubricating the D333-13 fitting and cleaning the PTG input lever bore.

COMPLIANCE PROCEDURE:

1. Remove engine cowling per R66 Maintenance Manual (MM) § 53-21.
2. Refer to MM Figure 76-2. Remove cotter pin and washer securing D333-13 fitting to PTG input lever. Pull fitting out of lever.
3. Apply light coat of A257-1 grease (ref. MM § 20-78) to flutes of a 0.2500-inch diameter reamer, and hand-ream PTG input lever bore to remove any debris. Clean lever and bore using a lint-free cloth.
4. Visually inspect cylindrical mating surface of D333-13 fitting. Remove any high spots using a dressing stone or 220-grit or finer wet-or-dry aluminum oxide abrasive paper. Clean fitting using a lint-free cloth.
5. Lubricate fitting using A257-1 grease where fitting rotates inside the PTG input lever bore. Insert fitting in lever. Install washer and new MS24665-210 cotter pin.
6. Install engine cowling per MM § 53-21. Perform PTG rigging check per MM § 76-22.

Approximate Cost:

Parts: A257-1 grease and (1) MS24665-210 cotter pin.

Procure parts from any R66 Dealer or Service Center, or order directly from RHC Customer Service via www.robinsoneheli.com, fax, or phone.

Labor: 1.0 man-hour.

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