

R44

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SERVICE BULLETIN SB-62

DATE: 19 December 2007

TO: All R44 II Owners, Operators, and Service Centers

SUBJECT: R44 II Throttle Linkage

ROTORCRAFT AFFECTED: R44 II Helicopters S/N 10001 thru 12029 except S/N 11792, 11951, 11996, 11999, 12007, 12008, 12018, 12023, 12025, 12027, and 12028.

TIME OF COMPLIANCE: Within next 50 flight hours or by 31 March 2008, whichever occurs first.

BACKGROUND: A B564-2 throttle link failed due to the bearing race separating from the housing. Installing large-diameter safety washers will prevent loss of throttle control if a bearing fails.

COMPLIANCE PROCEDURE:

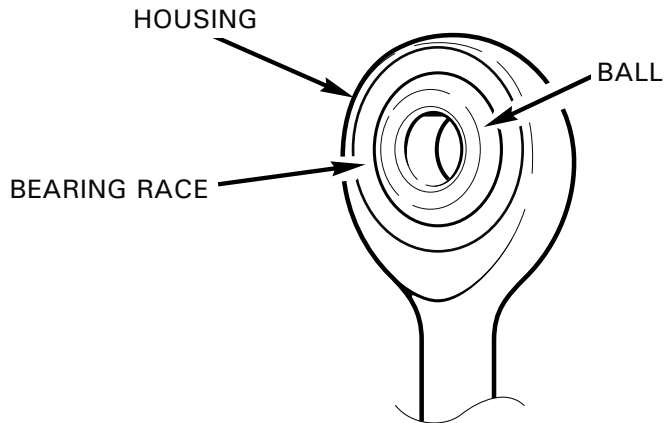
1. Refer to figure on page 2. Inspect spherical bearings at both ends of B564-2 link and at A933-3 rod end. Verify no looseness between bearing race and housing and no excessive looseness (maximum 0.020 inch axial and 0.010 inch radial play) between ball and bearing race. Replace link or rod end if required.
2. Replace NAS1149F0332P washer with A141-17 washer at both ends of B564-2 link and at A933-3 rod end as shown in figure. Torque nuts to 50 in.-lb, palnuts to 10 in.-lb, and torque stripe.
3. Verify throttle correlation rigging per R44 Maintenance Manual Section 10.150, Step 3.
4. Make appropriate maintenance record entries.

Approximate Cost:

Parts: \$18.75 for three A141-17 washers. (Note: Three washers are included with each service bulletin mailed to owners.)

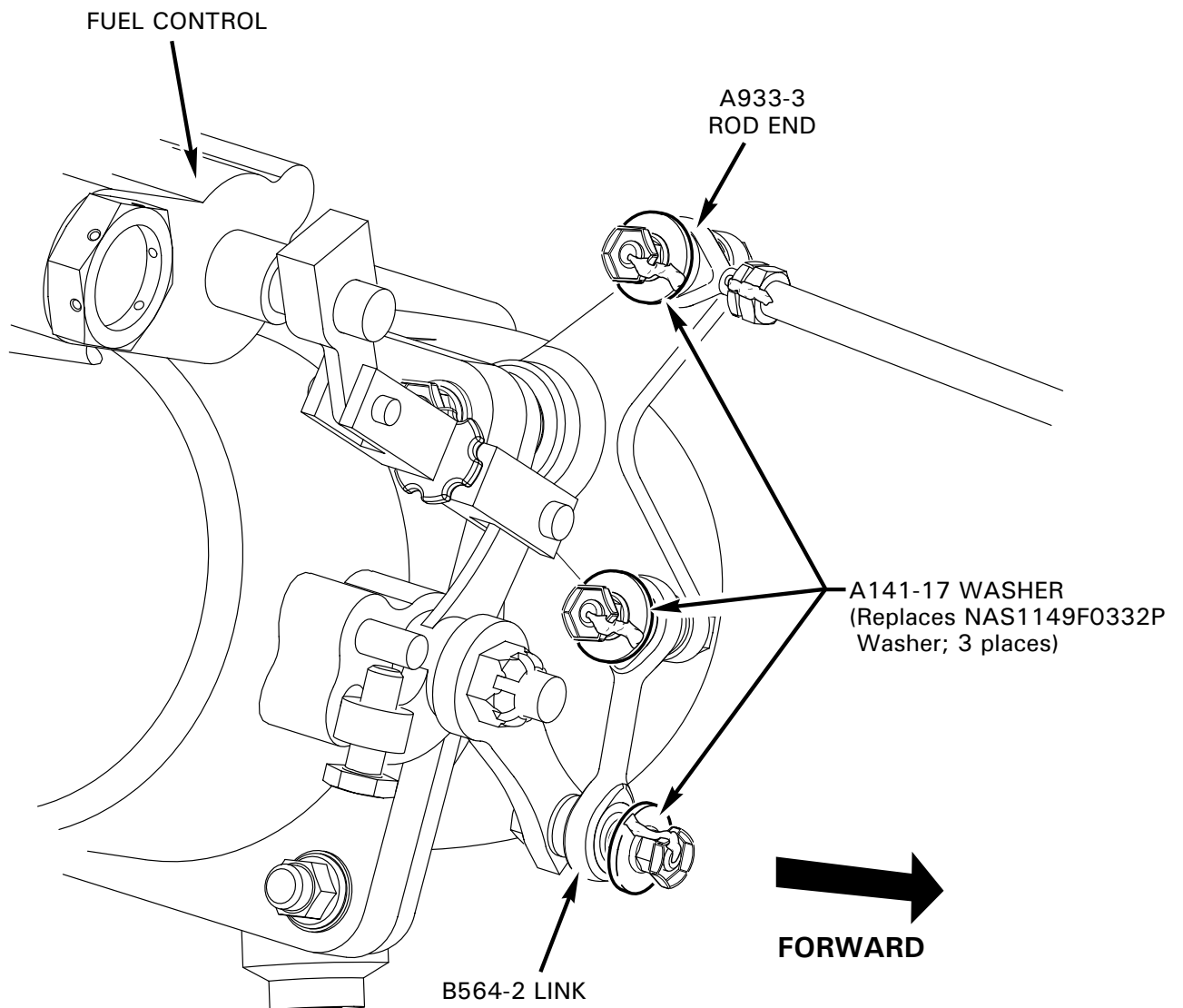
Labor: 0.7 man-hour.

(OVER)



DETAIL OF LINK OR ROD END

- Verify no looseness between bearing race and housing.
- Verify no excessive looseness between ball and bearing race.



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