



SCHWEIZER SERVICE INFORMATION LETTER

REVISED NOTICE NO.: L-188a.

DATE: 29 November 2022

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THIS SERVICE LETTER SUPERSEDES AND REPLACES THE ORIGINAL SERVICE LETTER L-188 ISSUED ON 06 DEC 2021, FOR CLARIFICATION.

TO: ALL OWNERS, OPERATORS, AND SERVICE CENTERS

SUBJECT: 269A1231 MAIN ROTOR BEARING SET DELIVERED ON OR AFTER JUNE 17, 2021.

MODELS AFFECTED: 269A, 269A-1, 269B, 269C, 269C-1, AND 269D MODEL HELICOPTERS.

BACKGROUND:

HISTORICALLY THERE HAS BEEN SOME ISSUES WITH MAIN ROTOR BLADE PITCH BEARINGS AND BEARING LIFE. SOME 269 OWNERS HAVE EXPERIENCED A SHORT REPLACEMENT LIFE OF THE PITCH BEARINGS DUE TO A ROUGH ROTATION OR BRINELLING MARKS ON THE BEARING. IN AN EFFORT TO PROLONG BEARING LIFE, SCHWEIZER RSG (SRSG) HAS COMPLETED A THOROUGH EXAMINATION WITH A VARIETY OF SIKORSKY OLD STOCK AND SCHWEIZER NEW PITCH ASSEMBLIES. THE RESULT OF THIS EXAMINATION, HAS DISCOVERED THAT MOST BEARING MANUFACTURERS PRODUCE THESE BEARINGS WITH AN SLIGHT OFFSET BETWEEN THE BEARING'S INNER AND OUTER RACES. SRSG HAS RECORDED THE OFFSET BETWEEN THE BEARING BRANDS AND HAS DETERMINED THE MOST CONSISTENT BEARING MANUFACTURER AND HAVE COME UP WITH A SOLUTION TO EXTEND BEARING LIFE. UNFORTUNATELY, IT DOES NOT CORRECT ALREADY DAMAGED BEARINGS. WHEN REPLACING PITCH BEARING USING NEW BEARINGS DELIVERED ON OR AFTER JUNE 17, 2021, IT IS NECESSARY TO FOLLOW THE HMI SECTION 8-26 TO DETERMINE IF THERE IS AN ISSUE OF ROUGHNESS AFTER ASSEMBLY OR STICK VIBRATION DURING GROUND RUN UP. REFERENCE "NOTE" IN SECTION 8-26, PAGE 8-37. IF THIS CONDITION IS NOTICEABLE THERE IS A POSSIBILITY THAT THE 269A1205-BSC SPACER MAY NEED TO BE REPLACED.

(REF.: HMI FIGURE, "INSPECTION OF THE PITCH BEARING ASSEMBLY", FIGURE 8-23 IN CSP-C-2, FIGURE 8-18 IN CSP-C-10, CSP-C1-2 & CSP-D-9; FIGURE 8-17 IN CSP-D-2, AND FIGURE 9-18 IN MSP-D-15).

IF A BINDING OR RATCHETING IS DISCOVERED WITH THE NEW BEARINGS, SRSG HAS DEVELOPED A PROCEDURE FOR REPLACING THE EXISTING PITCH BEARING SPACER WITH A NEW, LONGER BEARING SPACER. FOR ALL NEW PURCHASES OF 269A1231 BEARINGS FROM THE ABOVE DATE AND THAT HAVE ISSUES OF BINDING AND RATCHETING, SCHWEIZER RSG WILL PROVIDE A NEW 269A1205 BEARING SPACER.

TO REPLACE THE BEARING SPACER, SEND THE SUSPECT PITCH BEARING ASSEMBLY, P/N 269A1221 IN TO YOUR NEAREST AUTHORIZED SCHWEIZER SERVICE CENTER SO THAT THEY BE PROPERLY FITTED. *SOME ADDITIONAL FEES MAY APPLY.*

THIS SHALL BE A ONE-TIME MODIFICATION TO THE PITCH BEARING ASSEMBLY. ALL SUBSEQUENT BEARING REPLACEMENTS SHOULD NOT NEED FURTHER SPACER MODIFICATION. BEARING REPLACEMENTS SHOULD BE COMPLETED AS THEY HAVE IN THE PAST, HOWEVER, SHOULD BE LESS FREQUENT.

REFERENCE:

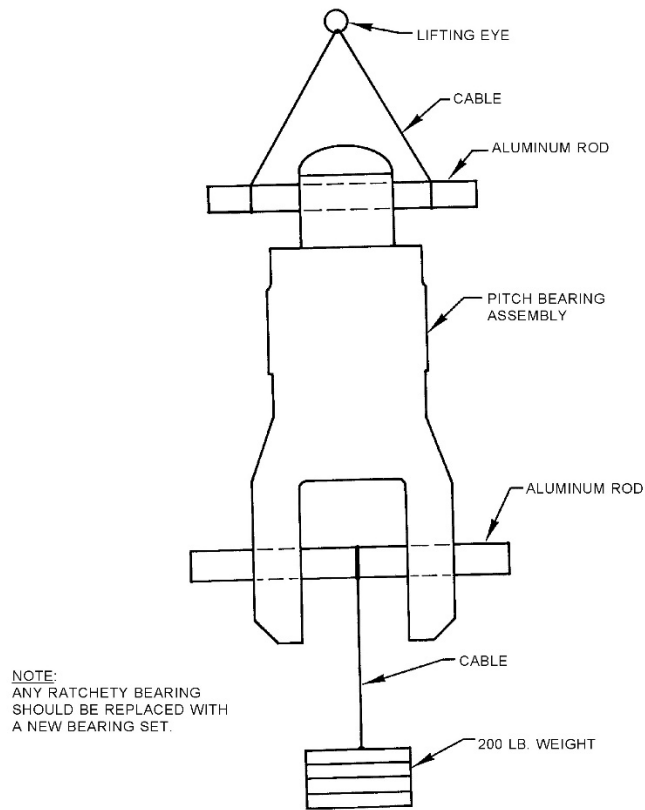


FIGURE 1 - "Inspection of Pitch Bearing Assembly"

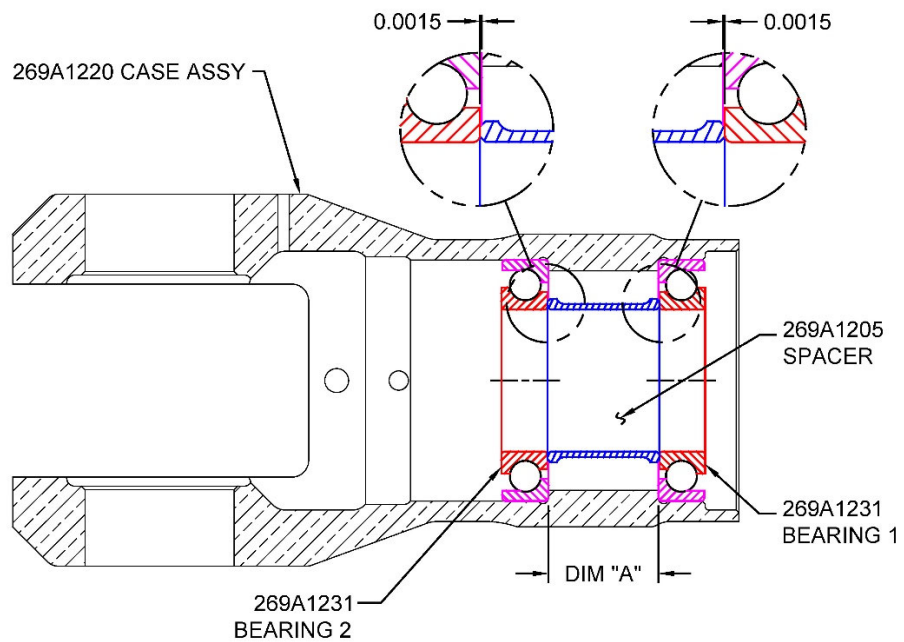


FIGURE 2 - "Bearing Race Offsets"

NOTE:

(THE PROCEDURE BELOW IS NOT A SUBSTITUTION FOR ANY REQUIREMENTS AS LISTED IN HMI. ALL INSPECTION AND MAINTENANCE REQUIREMENTS MUST BE FOLLOWED.)

PROCEDURE:

1. DISASSEMBLE AND CLEAN THE PITCH BEARING ASSEMBLY PER SECTION 8 OF THE HMI.
2. VERIFY THAT THE SERIAL NUMBER OF THE 269A1205 SPACER IS NOT SUCCEEDED BY THE LETTER "A". ANY SERIAL NUMBER SUCH AS, "S1234A", WILL HAVE ALREADY BEEN MODIFIED FOR THE NEW BEARINGS.
3. INSTALL NEW BEARINGS AND REASSEMBLE THE PITCH ASSEMBLY IN ACCORDANCE WITH THE HMI. NEW BEARINGS PURCHASED AFTER JUNE 17, 2021; CAN BE IDENTIFIED WITH THE MANUFACTURER MARKINGS - "ITB".
4. INSPECT PITCH ASSEMBLY IN ACCORDANCE WITH YOUR HMI SECTION TITLED: "FUNCTIONAL INSPECTION OF THRUST BEARINGS"
5. IF AN ISSUE IS FOUND CONTACT AND SUBMIT THE PITCH ASSEMBLY TO YOUR NEAREST SCHWEIZER APPROVED SERVICE CENTER.

FOR SERVICE CENTER INFORMATION CONTACT:

SCHWEIZER RSG

*3901 N. MAIN ST, HANGER 2S
FORT WORTH, TX. 76106, USA*

(817) 405-2100

Email: sales@schweizerrsg.com or techsupport@schweizerrsg.com

6. SCHWEIZER RSG WILL SUPPLY A NEW SERIALIZED 269A1205 SPACER AT NO CHARGE. THIS WILL BE A ONE-TIME REPAIR. ONCE THE SPACER HAS BEEN REPLACED, ALL SUBSEQUENT ITB BRAND BEARINGS WILL MATCH.
7. RECORD THE SPACER AND BEARING REPLACEMENT IN THE AIRCRAFT MAINTENANCE RECORDS. SERVICE CENTER SPACER REPLACEMENTS WILL INDICATE THE PITCH ASSEMBLY SERIAL NUMBER FOLLOW WITH A LETTER "A" TO INDICATE A MODIFICATION.