* LEONARDO

HELICOPTERS DIVISION

TECHNICAL INFORMATION LETTER

T-109-24-003	T-109SP-24-006
T-109E-24-004	T-109BA-24-003
T-109S-24-006	T-109L-24-004
T-119-24-002	
DATE:	October 25, 2024
REV.:	/
	T-109E-24-004 T-109S-24-006 T-119-24-002 DATE:

To: Leonardo Helicopters products Owners / Operators / Service Centres

SUBJECT: Main Rotor swashplate duplex bearing installation inspection

Helicopters Affected: A109A/AII, A109C, A109K2, A109E, A109LUH/LOH, A109BA, A109S, A109S, A109S Trekker, AW109SP, A119, AW119MKII

Dear Customer,

Hereby, Leonardo Helicopters (LH) would like to inform you about the upcoming release of Alert Service Bulletins (ASBs) 109-162, 109K-080, 109EP-186, 109E-100, 109S-123, 109SP-166, 109BA-053, 109L-125 and 119-153.

One case of damaged swashplate duplex bearing was reported on in-service helicopter during the 2400FH scheduled maintenance inspection. Based on the results of the relevant investigation the inner ring of the bearing was found disengaged from the outer ring due to the incorrect installation of one of the two bearings (Ref. to Annex A).

For this reason, the ASBs that are going to be published will prescribe a one-off visual inspection to verify the bearing correct installation (no disassembly of the swashplate assembly is needed)

Should you need any additional information, please do not hesitate to refer to your usual contact within the LH Engineering Support Team.

Main Rotor swashplate duplex bearing installation inspection

Yours Sincerely,

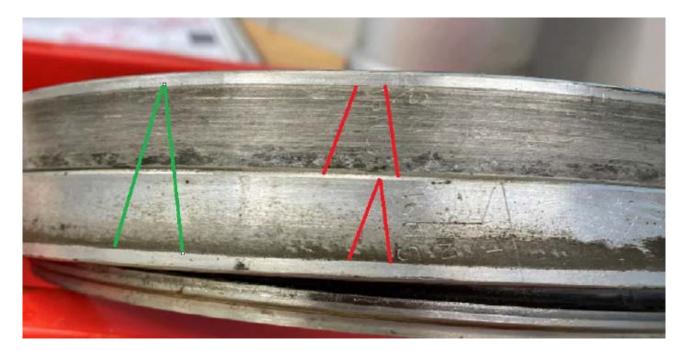
Marco D'Adamo Leonardo Helicopters Customer Support, Services & Training Head of Product Support Engineering

TIL N° :	T-109-24-003 T-109E-24-004	T-109SP-24-006 T-109BA-24-003
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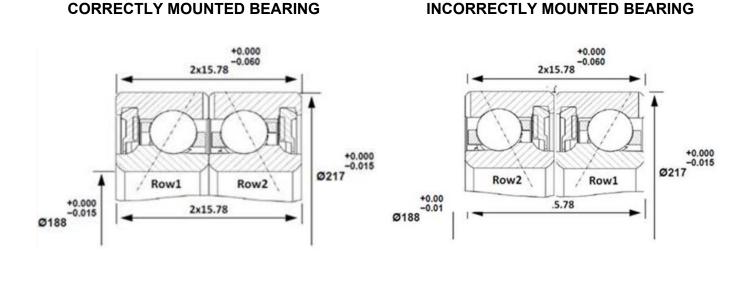
Page 2 of 3

Annex A

The design data for the swashplate duplex bearing P/N 109-0110-35-3 shows a "V" etched into the upper and lower races to facilitate the correct alignment of the two halves of the bearing.



- Red lines illustrate incorrect duplex bearing alignment.
- Green lines illustrate correct alignment per design.



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Page 3 of 3