



SERVICE INFORMATION LETTER

SIL N° S-139-24-004

DATE: March 29, 2024

REV.: /

To: Leonardo Helicopters products
AB/AW139 Owners / Operators / Service Centres

SUBJECT: Inspection of Main Landing Gear (MLG) Shock Absorber – Update on SB139-783 “MLG Shock Absorber Inspection”

Helicopters Affected: All AW139 equipped with Main Shock Absorber Assy
P/N 3G3210V00333 (Liebherr P/N 1654B0000-01)
P/N 3G3210V01031 (Liebherr P/N 1654C0000-01)

References:

[1] S-139-24-003 – “Inspection of Main Landing Gear (MLG) Shock Absorber - Notice of release of SB”

Dear Customer,

Leonardo Helicopters (LH) hereby provides additional information concerning Service Bulletin (SB) 139-783 “MLG Shock Absorber Inspection”. Whilst the discussion with the EASA progresses, we would like to provide some updates, clarifications and rectifications based on the evolving scenario in addition to what was already shared through previous communication at Ref. [1].

Target for the release of the Service Bulletin remains the Calendar Week 14 as previously anticipated. The related EASA AD is expected to be issued soon after.

The Ultrasonic Testing (UT) inspection required within the SB must be applied by a non-destructive testing inspector certified Level II or higher in accordance with EN4179/NAS410, or with an equivalent certification satisfactory to the applicable airworthiness authority.

In order to manage the short compliance of Service Bulletin 139-783 and in advance respect to SB release, it is suggested to all Customers / Operators to:

- Identify a Level II NDT Inspector (or higher) with the above-mentioned certification. If needed, LH is pleased to support you in this task.
 - Search for Ultrasonic Portable Digital Flaw Detector (USM 35 XS or equivalent).
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The probe required to perform the SB is manufactured with a Microdot connector, so the cable connected to the Detector should be suitable for connecting it.

- Procure through LH P/N **uTA45-5-S0024** (or equivalent P/N UTA 4X4,5 45-5 P) that consists in Probe + Wedge in one component.
This equipment can be procured through LH by placing a Free of Charge PO as sales order free of charge. As differently reported in previous communication Ref. [1] no MMIR is needed in this case. Please refer to your Spare Order Management Specialist.
- Procure through LH the Reference Specimen P/N **1654A0100-01W02**.
Also in this case this can be procured through LH by placing a Free of Charge PO as sales order free of charge. As differently reported in previous communication Ref. [1] no MMIR is needed in this case. Please refer to your Spare Order Management Specialist.

LH would like also remind that orders for spare SA P/N 3G3210V00333 and P/N 3G3210V01031 will be accepted only in the case of confirmed failures and/or evidences of relevant indication detected through the UT. Those components should be procured through LH by issuing a MMIR form in case of findings during the inspection.

Two webinar sessions were held on March 21st, 2024 to provide further information on the SB. The presentation shared during the sessions and the summary of the Q&A are available at the News section of the Leonardo Customer portal via [this link](#).

Finally a video tutorial showing in detail how the inspection shall be performed has been published, for reference only, on Leonardo Customer Portal on March 29th, available via [this link](#).

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

Yours Sincerely



Francesco Bellardi
Leonardo Helicopters
Customer Support Services & Training
VP Customer Support & Services