

SERVICE LETTER

No. SL-NG-2-22

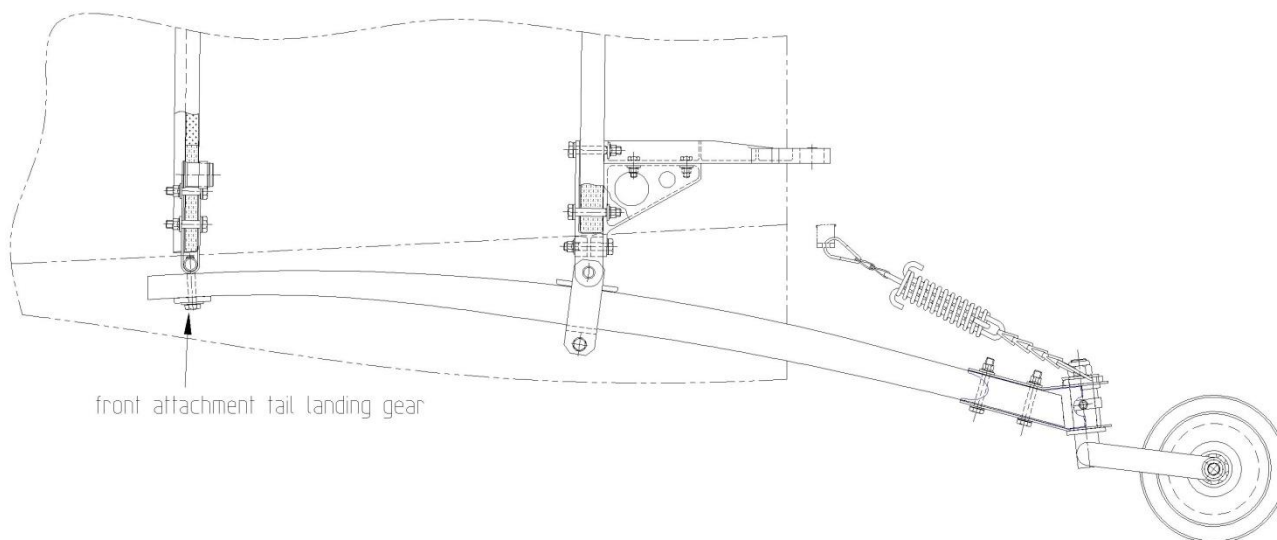
FOR INFORMATION

TO: Owners and Operators of EXTRA NG airplanes

Subject: FWD Tail Spring Attachment Bracket

Aircraft affected: EXTRA NG: S/N NG001 through NG041.

Purpose: A failure of a forward attachment bracket (PN EX-21451.02) of the tail landing gear spring during landing roll at taxi speed was reported on one airplane.



A proactive design change of the forward attachment bracket is made available to customers on demand. This improved bracket can be used as direct exchange part/replacement of the original bracket installed.

This Service Letter (SL) provides information for a recommended replacement of the respective bracket.

Approval:

The technical content of this document is approved under the authority of the DOA ref. EASA.21J.593.

INSTRUCTIONS

NOTE Alterations or repair of the aircraft must be accomplished by licensed personnel only.

1. Remove Tail Spring as per chapter 32-10-03 of the EXTRA NG Maintenance Manual (AMM).
2. Remove 3 bolts (AN4-11A) connecting the original fwd tail spring bracket (EX-21451.02) to the fuselage, then remove bracket. Keep bearing shaft (EX-51302.01).

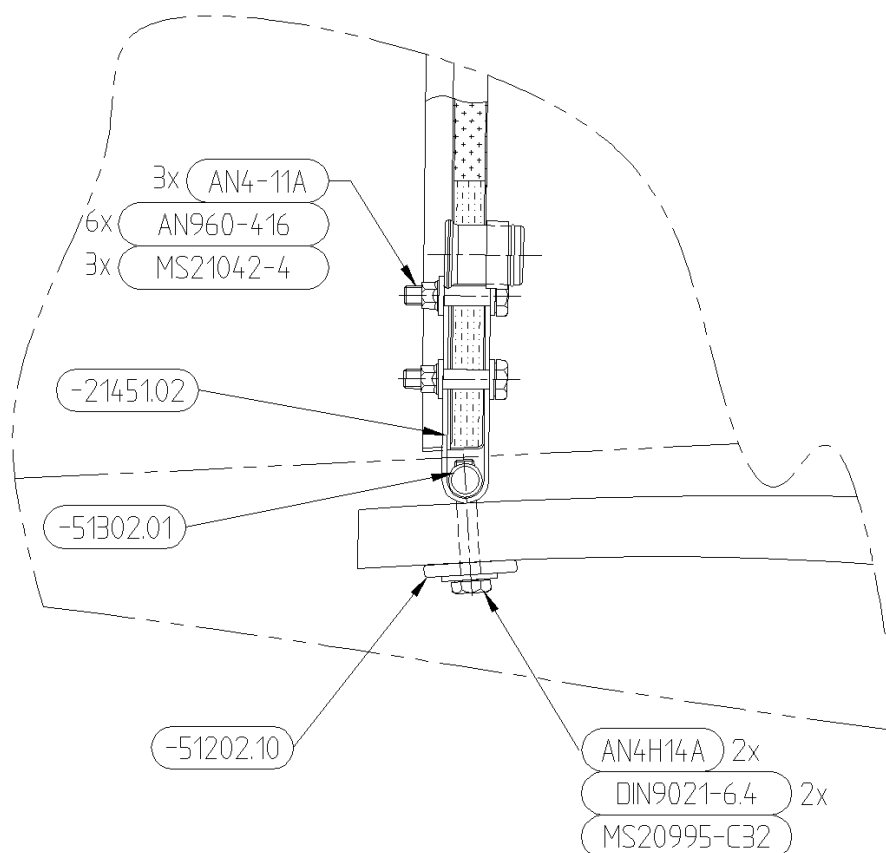


Fig.: Front attachment tail landing gear

3. Apply grease (MIL-PRF-81322G or equivalent) to the bearing shaft (EX-51302.01) and insert into the improved bracket (EX-21451.02, Version A).

NOTE Make sure the threaded holes are free from grease

4. Reinstall the improved bracket (EX-21451.02, Version A) into fuselage. Use new locknuts (MS21042-4) and tighten bolts according to standard torque values (see chapter 20-10-03 of AMM).
5. Reinstall tail spring as per chapter 32-10-03 of the AMM. Secure the two bolts (AN4H14A) at the forward bracket with safety wire (see Figure above and Figure 3 in Chap. 32-10-04 of the AMM).

6. Make a permanent note of the successful completion of this Service Letter in the aircraft logbook.
Please also report the completion of this Service Letter to EXTRA by returning the completed Form in Appendix A, together with the removed original fwd tail spring attachment bracket.

MATERIAL

The required parts can be ordered from:

EXTRA Flugzeugproduktions- und Vertriebs GmbH
Flugplatz Dinslaken
Schwarze Heide 21
46569 Hünxe / Germany
parts@extraaircraft.com

Table 1: Parts/Material required

EXTRA P/N	QTY	Description
EX-21451.02, Issue A	1	FWD Tail Spring Bracket (improved design)
MS21042-4	3	Locknut
<i>Additional material and tools needed:</i>		
n/a		Grease MIL-PRF-81322G (or equivalent)

NOTE New aircraft (NG042 and up) are already equipped with the improved bracket (EX-21451.02, Version A).

Appendix A:

Aircraft Type and model: **EXTRA NG** Serial Number: NG0 _____
Owner: _____ Registration: _____
Total Time: _____ Total landings (if known): _____

The aircraft mentioned above has been modified according to this Service Letter.

Comments: Yes No

Detailed comments:

Company: _____

Aircraft inspector: _____ Date: _____

Please return a copy of this page to:

EXTRA Aerobatic Aircraft GmbH
Engineering Department / Office of Airworthiness / Quality Assurance
Schwarze Heide 21

46569 Hünxe (Germany)

Fax. N°: (+49)-2858-9137-42 or email: engineering@ExtraAircraft.com