



Safety Alert

Installation of Safety Locks on Autopilot Pitch Servo

MANDATORY

Symbols:

Please pay attention to the following symbols emphasizing particular information throughout this document.

- ▲ WARNING: Identifies an instruction, which if not followed, may cause serious injury or even death.
- CAUTION: Denotes an instruction which if not followed, may severely damage the aircraft or could lead to suspension of warranty.
- ◆ NOTE: Information useful to implement the change more easily.

1. General

Issued by: REMOS Aircraft GmbH Flugzeugbau Franzfelde 31 D-17309 Pasewalk
Web: www.remos.com - Telephone: +49-3973-225519-0

Release date: 19. November 2012

Date of effect: immediately

Compliance: before next take-off

Release Number: SA-004-autopilot

Superseded notice: none

Models affected: G-3/600, GX

Affected S/N: all REMOS aircraft equipped with autopilot

Reason: The clamp installation of the autopilot pitch servo linkage slipped on the elevator control pushrod causing limitation on the elevator control system

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- Subject:
- inspection of autopilot linkage for proper installation
 - install safety locks as per Safety Alert SA-004

- Time required:
- take out baggage compartment and reinstall it 30 minutes
 - check for correct installation 10 minutes
 - installation of safety locks 30 minutes

2. Material Information

- Tools needed:
- std. tools as per REMOS Maintenance Manual section 3, drill tool dia. -4 (3.2mm), rivet tool as per selected rivet

- Parts needed:
- 2 pcs. aluminium blind rivets, dia. size -4 (3.2mm), length -5 (7.4mm), e.g. CHERRYMAX CR 3213-4-05, DIN7337 - 3 x 8 or equivalent
 - 2 pcs. nylon sleeves (aluminium is acceptable, too), inner dia. 1/8 in (3.2mm), outer dia. min 1/4 in (6.4mm), length 1/4 in (6.4mm) or equivalent
 - seal paint
 - Material available through REMOS service

3. Compliance

- Schedule for Inspection:
- before next flight

- Schedule for Installation:
- within the next 50 flight hours, lately at next maintenance event, or next annual condition inspection

- Level of maintenance:
- inspection: line
 - installation: heavy

- ▲ **WARNING:** In case the clamp connection of the autopilot linkage to the elevator control pushrod is not properly secured, the clamp can slide on the pushrod, causing the elevator control to be blocked.

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License required:
(US-LSA)

- LSA Repairman, or
- A&P Mechanic, or
- Part 145 Repair Station

License required:
(EASA-LSA)

- REMOS Service Center

4. INSPECTION for PROPER INSTALLATION

Disassembly:

- Take out baggage compartment as per section 3 of the maintenance manual.

Inspection:

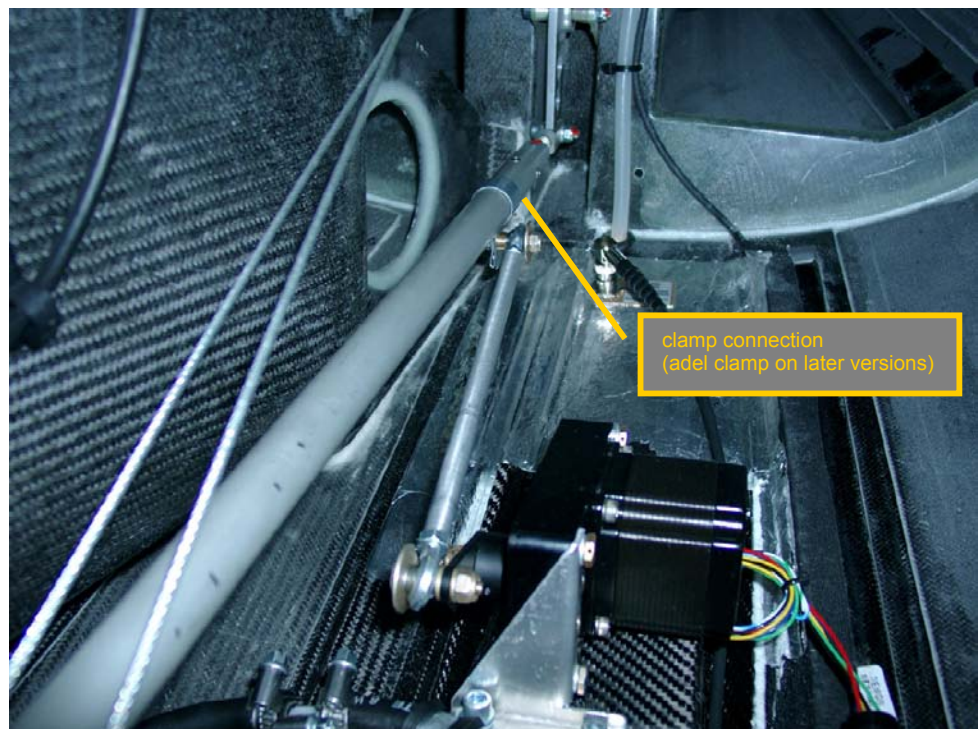
- Inspect the clamp for installation and tight fit. If clamp is properly installed, apply some seal paint. If clamp is loose, do not fly the aircraft, continue with section 5 of this Safety Alert.

Re-Assembly:

- Install baggage compartment as per section 3 of the maintenance manual.

Documentation:

- Sign off aircraft logbook by a licensed person.



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5. INSTALLATION of SAFETY LOCKS

Disassembly:

- Take out baggage compartment as per section 3 of the maintenance manual.

Installation:

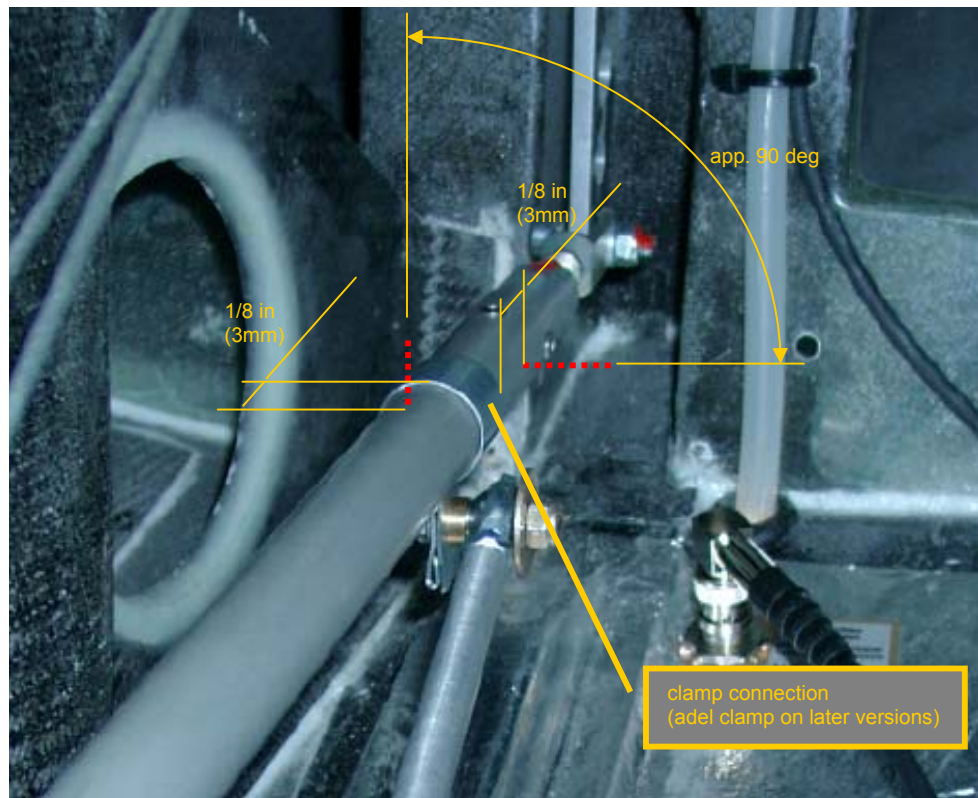
- Drill a \varnothing 4 hole on each side of the clamp at a distance of app. 1/8 in (3mm)
- drill these holes with an offset of app. 90 deg
- The drilled holes shall be that far from a distance of the clamp, that the sleeve riveted on in the next step is as close as possible to the clamp, but is not overlapping with it.
- rivet a sleeve on each side of the clamp

Re-Assembly:

- Install baggage compartment as per section 3 of the maintenance manual.

Documentation:

- Sign off aircraft logbook by a licensed person.



**REMOS wishes you safe and fun flights!
Always check your aircraft before you fly!**