



info@nikiaviation.com

+359 887 310 005

SERVICE BULLETIN

DATE of ISSUE

28-Jul-2026

REVISION

Orig / Rev 0

AIRCRAFT

KALLITHEA

RECOMENDED

SUBJECT

Replacement of the Turbocharger–
Intercooler Flexible Hose and Updated
Installation Procedure

1. EFFECTIVITY

Kallithea autogyros equipped with an externally installed intercooler mounted on the tail support beam.

2. PURPOSE

This Service Bulletin introduces an updated flexible hose assembly and installation procedure for the connection between the turbocharger outlet and the intercooler.

The updated configuration improves the robustness of the hose connection during installation and provides enhanced retention characteristics. This Service Bulletin also provides installation guidance for the updated components.

3. BACKGROUND

Service experience has identified an opportunity to improve the turbocharger-to-intercooler flexible hose installation by incorporating an updated hose configuration.

The revised configuration provides improved installation robustness and enhanced retention of the hose connection. This configuration has been incorporated into current production aircraft and is now being made available for retrofit on affected aircraft.

4. COMPLIANCE

At the next convenient maintenance opportunity.

5. MATERIAL REQUIRED

- flexible silicone coupling with one hump x1 (Fig. 1)
- hose clamp (ABA Original S20 Aluzink x2 (Fig. 2)

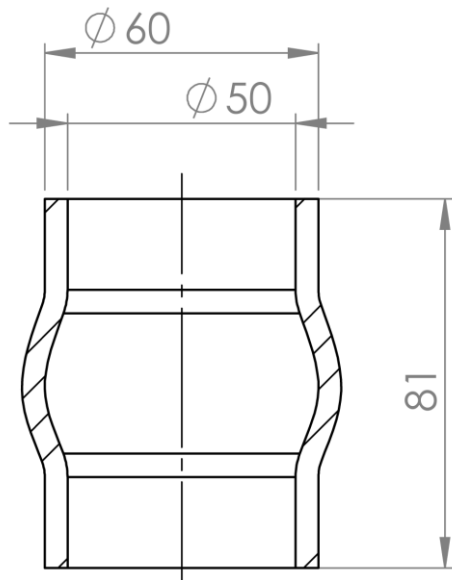


Fig. 1



Fig. 2

6. INSTRUCTIONS

A. Preparation

- 1) Ensure engine is shut down and has cooled to ambient temperature.
- 2) Inspect surrounding components for damage or contamination.

B. Removal

- 1) Remove existing hose clamps.
- 2) Remove the existing flexible hose.
- 3) Inspect the turbocharger outlet and intercooler inlet for damage, contamination or excessive wear.
- 4) Clean all mating surfaces if necessary.

C. Installation

- 1) Install the updated flexible hose.
- 2) Install new hose clamps.
- 3) Ensure the hose is fully seated on both connections.
- 4) Position the hose clamps aft of the hump on the carbon fiber pipe
- 5) Tighten clamps to the specified torque.

Torque: 8 Nm

- 6) Verify that the hose is free from twisting.
- 7) Verify adequate clearance from adjacent components.

D. Completion

- 1) Reinstall all removed components.
- 2) Perform an engine ground run.
- 3) Inspect the system for:
 - hose movement;
 - air leakage;
 - abnormal engine operation.
- 4) Record compliance with this Service Bulletin in the aircraft maintenance records.

7. FIGURES

- Fig. 3 – Updated hose configuration
- Fig. 4 – Correct clamp position
- Fig. 5 – Incorrect clamp position



Fig. 3

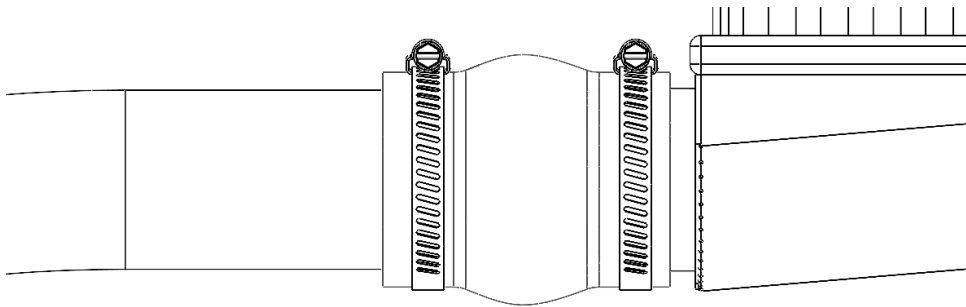
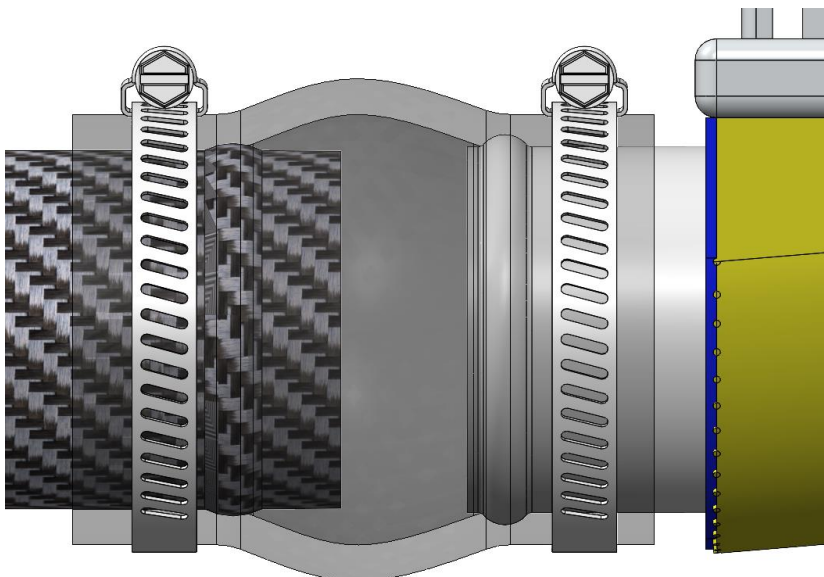


Fig. 4



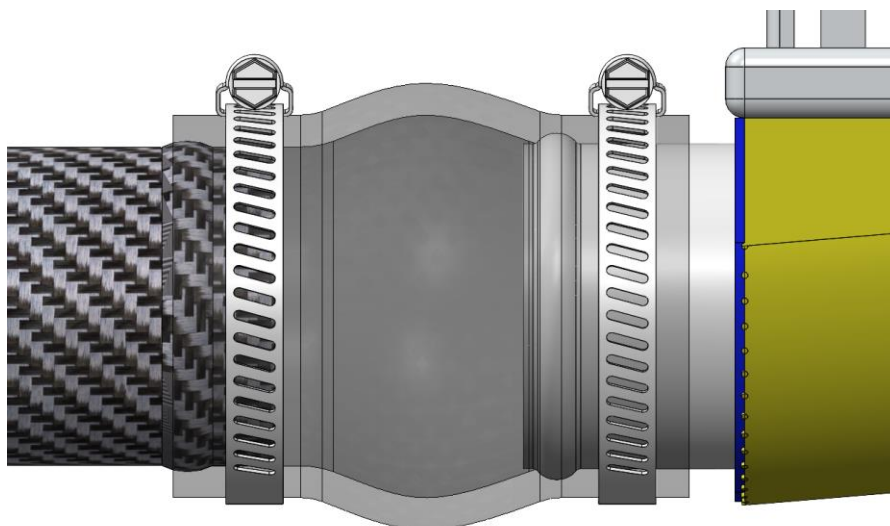


Fig. 5

8. PARTS INFORMATION

The updated hose assembly introduced by this bulletin is interchangeable with the previous hose assembly when installed in accordance with this Service Bulletin.

9. WEIGHT & BALANCE

No change.

10. ELECTRICAL LOAD DATA

No change.

11. CONTINUING MAINTANACE

No additional maintenance requirements are introduced by this Service Bulletin.