

**AV-803-1-K-C PROPELLER SERIES
INSPECTION OF COUNTERWEIGHT BOLTS AND COUNTERWEIGHT
REPLACEMENT**

1. Reason:

Failure on a counterweight bolt.

2. Aircraft affected:

All aircrafts with AV-803-1-K-C propellers with split (clamp and counterweight) counterweights are affected by this Service Letter.

NOTE:

Split counterweight is displayed in figure 1. One-piece counterweight is displayed in figure 2.

3. Effectivity:

Bolts torque moment inspection: immediately after issue of this Service Letter SL-7A (May 22, 2009) before next flight.

4. Materials

- Torque wrench
- 3/8" hexagon socket driver
- 0,8mm dia steel safety wire
- Pliers, cutter, screwdriver

5. Inspection Procedure

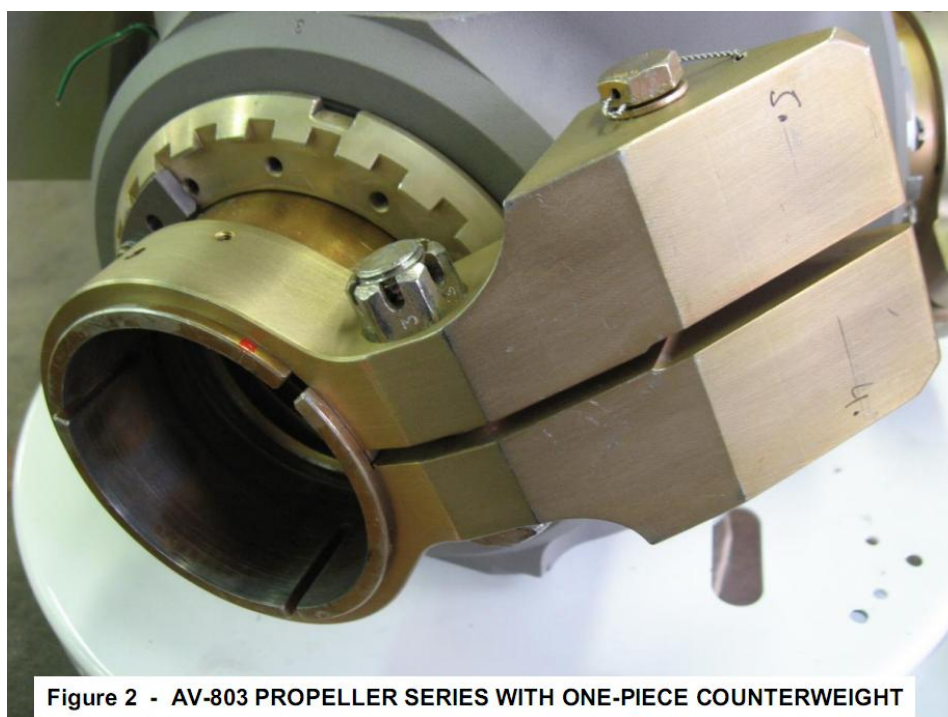
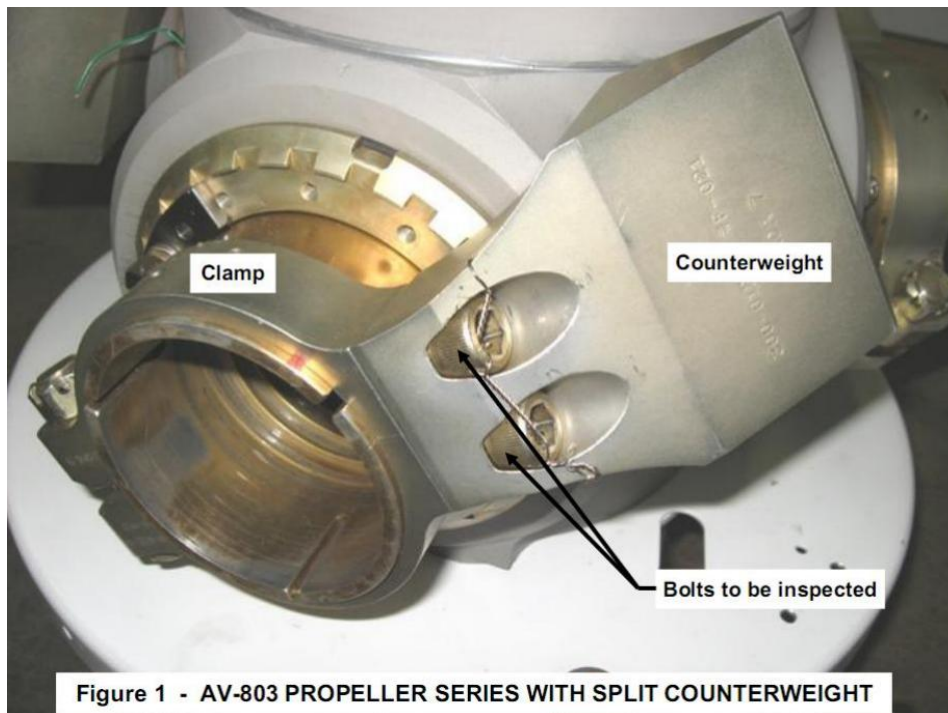
- A. Remove the spinnerdome.
- B. Remove the safety wire from two bolts attaching the counterweight to the clamp.
- C. Use soft pencil to mark the position of the bolts against the counterweight.
- D. Use torque wrench to check the tightening of the bolts with torque $60 \pm 2 \text{Nm}$.
- E. Inspection is performed on all counterweights bolts.

6. Terminating Action

- A. **If any movement of the bolt is not present, the propeller can flight next 10 hours. Repeat this 10 hours inspection cycle until the split counterweight will be replaced by one-piece counterweight. The split counterweight must be replaced by one-piece counterweight.**
- B. **If any bolt movement is detected, remove the propeller from the service.**
- C. After the inspection is finished, safety the bolts with 0,8mm dia safety wire.
- D. Make a record into the Propeller Logbook.

Office of Airworthiness Zbyněk Tvrđík Date : June 15, 2009	Issue Michal Rout Date : June 15, 2009	Page : 1 Pages : 2
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E. Avia Propeller will arrange replacement of those two-pieces counterweights by one-piece counterweight.



Office of Airworthiness Zbyněk Tvrđík Date : June 15, 2009	Issue Michal Rout Date : June 15, 2009		Page : 2 Pages : 2
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