SPACEK s.r.o. , Lesní 25 , 6951 01 Hodonín, Czech Republic

SAFETY BULLETIN No. SD-1/010a

Concerning: SD-1 airplanes powered by SE31 (ex Kohler CH-750) engine

Subject: check of rocker arm pivot mounting screws

Reason: inflight loss of power due to loosing of rocker arm pivot mounting screw occurred on the SD-1 plane with following accident during forced landing.

The torque of screw must be checked and if need be increased on 18,6 Nm (165 in.lbs).

Latest day of action: before next flight

Action carried out by: airplane owner

Sheets: 2

Necessary tools: torque wrench with 18,6 Nm (165 in.lbs) moment in the range, alternatively tension scale + sliding T-bar+appropriate steel tube of 0,6 m length, socket 5/16”, wrench 3/8” or 10 mm

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Igor Spacek
Designer

6.11.2017

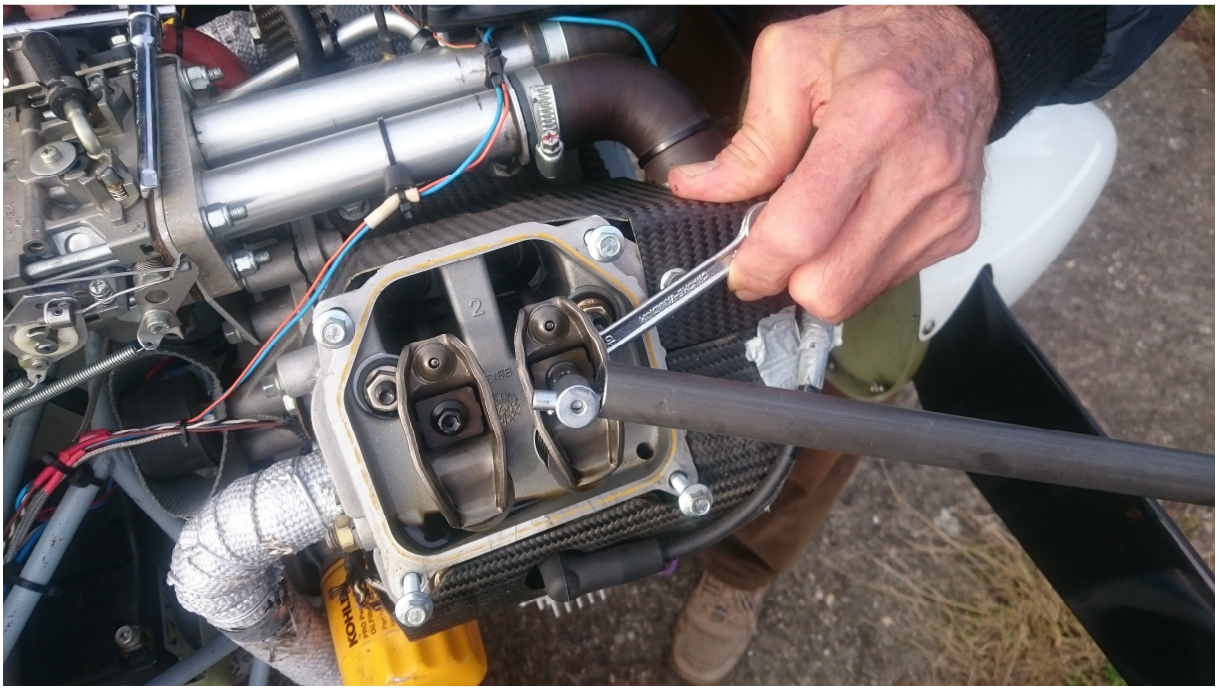
SPACEK s.r.o. , Lesní 25 , 6951 01 Hodonín, Czech Republic

CHECK OF ROCKER ARM PIVOT MOUNTING SCREWS

1. Dismantle plastic cylinder head caps from engine using socket 5/16”.
2. Set torque 18,6 N (165 in.lbs) on the torque wrench. Put on socket 5/16”.

2 b. Put socket 5/16” on the sliding T-bar. Slide on tube on the bar and mark 0,5 m (19,7”) arm from the T axis. Put the tension scale on the marked place on the tube and pull until 3,7 kg (8,2 lbs) is achieved

3. Check torque of all 4 rocker arm pivot mounting screws. It is necessary to prevent rocker arm spacer against turning using wrench 3/8” or 10 mm.



4. Install head caps back on the engine.