

## ULPOWER AERO ENGINES N.V.

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## SERVICE BULLETIN

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DATE: September 24, 2010

Service Bulletin No. 2010-01

SUBJECT: Propeller flange bolt locking

MODELS AFFECTED: UL260i / UL260iS

TIME OF COMPLIANCE: Before next flight

AFFECTED SERIAL NUMBER: All engines with serial No. below 090000

### REASON

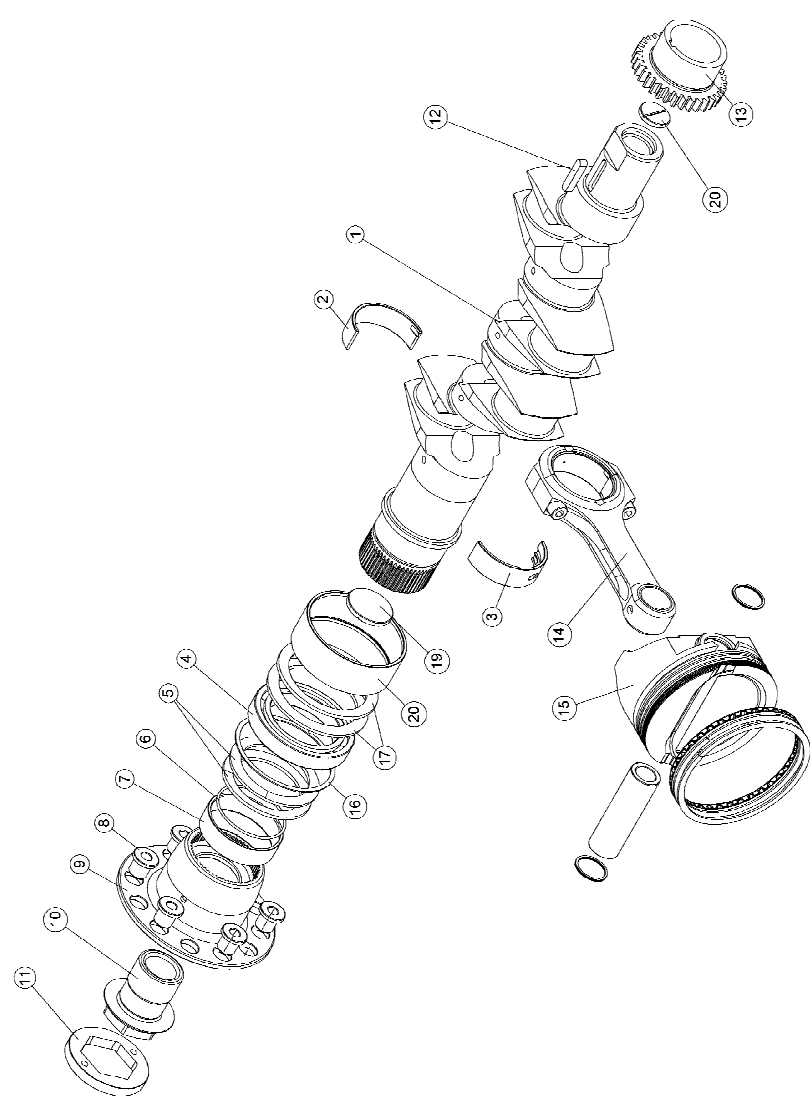
ULPower has determined that the 'Nord lock washer' used to lock the propeller flange bolt is not reliable. Because of this, ULPower changed the way of locking. Instead of the Nord lock washer, ULPower now uses a hexagonal locking washer (part no. 11, see fig. 1).

ULPower already changed this since serial no. 090000, and because of some tests, also a few engines with serial no. lower than 090000 have already been modified.



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FIG 1



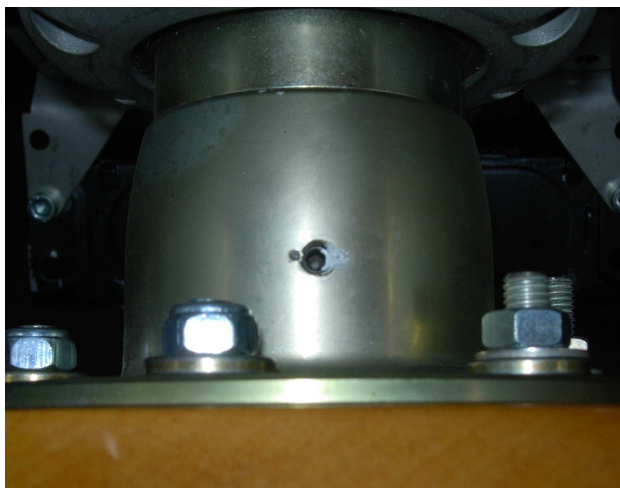
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## PROCEDURE

### I. Inspection procedure to find out if the hexagonal locking washer is already mounted.

- Disconnect all power to engine
- Make sure the engine is cool to the touch
- Find out if the M6 bolt is mounted through the propeller flange: see picture 1

PICTURE 1

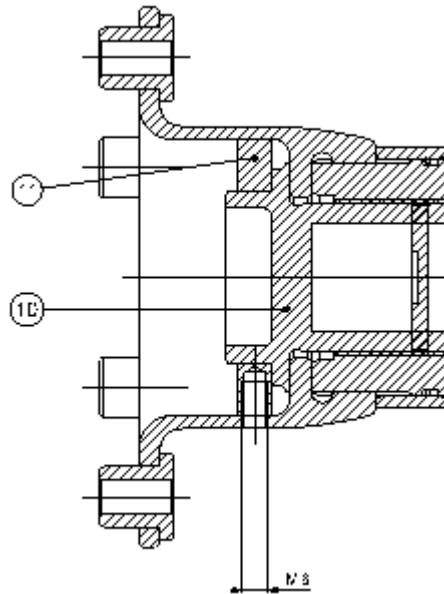


- If the bolt is there, then you are sure that the locking way is safe
- If there is no bolt, follow procedure below

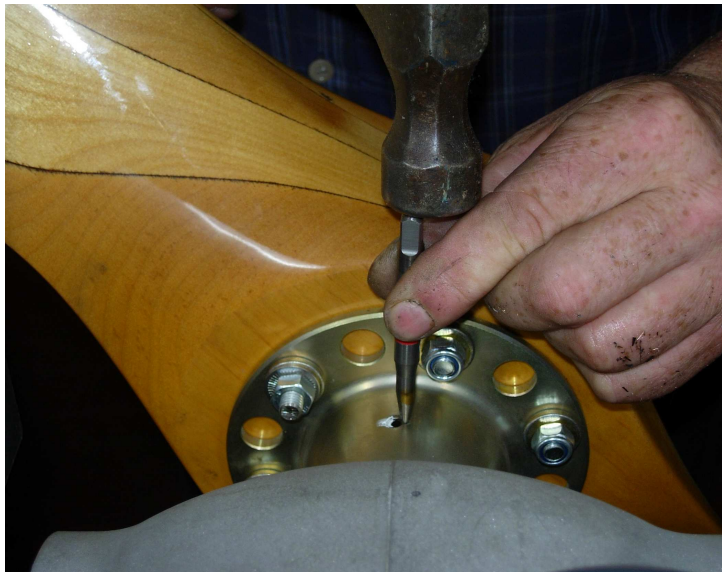
### II. Mounting procedure to fix the hexagonal locking washer

- Order part 11 (see figure 1), ref. No. E022510B. And the necessary special tools.
- Remove the propeller
- Tighten the bolt no. 10 clockwise to 300 Nm. Use the special tool to hold the propeller flange
- Slide the washer (E022510B) over the hexagonal part of the propeller flange bolt (see figure 2)
- Drill a hole dia 5 through the propeller flange and in the middle of the hexagonal locking washer (see figure 2)
- Cut M6 thread till the bottom of the hole (figure 2)
- Use a hexagon socket screw M6x15 and fix it with Loctite 243
- Lock the screw again by punching 2 dimples (see picture 2)
- Replace the propeller

FIGURE 2



PICTURE 2



**NOTE**

Should any difficulty be encountered in accomplishing this service bulletin, contact your dealer or ULPower.



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