

N2LE Annual Inspection

Grob G-102 Astir CS, ser. # 1312, N2LE

Annual Inspection Items: (*mandatory)

Tools: torque wrench, micrometer, flathead screwdriver, special 14 mm wrench for tailplane spherical bolt, 10X magnifying glass, dye penetrant, PB Blaster lubricant, Copy of AD 2006-17-02 and MSB 306-38 for tailplane spherical locking bolt inspection.

Check emergency canopy release, grease.

Check tow release

Check tire pressure (36 psi)

Replace gear warning battery (9 volt)

Maintenance Manual pg. 6

*Check Hotellier quick-locks:

*Measure spherical ball connectors at several points for wear, roundness (no differences in excess of 0.1mm or 0.004 in.)

*Insure safety pins are installed.

*Check for smooth operation, Grease prior to each rigging

Maintenance Manual pg. 7:

*Check horizontal stabilizer for play before de-rigging. Move stab tips in carefully in all directions.

***Before removing spherical bolt from stab, measure exact depth, count number of turns to remove bolt and note for reinstallation so that incidence of tailplane remains the same.**

*Check bolt for cracks using dye penetrant method along with a minimum 10X magnifying glass per AD 2006-17-02

*Re-install spherical locking bolt per MSB 306-38 using 14mm wrench and screwdriver paying attention to exact depth.

*Upon re-installation apply correct torque (20 Nm, tolerance +4 / -2. See MSB 306-38)

Life Limited Parts:

*Spherical locking bolt for tailplane – replace every 10 years/1,000 landings (Maintenance Manual pg.8)
(Bolt installed on:)

*At 3,000, 6,000, 7,000, 9,500 hrs: inspection by lic. Repair station per pg. 10-11 of Maintenance Manual

Tailplane spherical locking bolt



Dye-penetrant test



Custom wrench