MESSERSCHMITT BO105 Model Guide

MESSERSCHMITT BO105 is listed in the library as a piston-engine model. No year, seat, spec or performance data was supplied. The only source is Alert Service Bulletin ASB BO105-90-103 (Rev. 4, June 21, 2010) on the starter-generator ground reference connection. It covers BO105 models A, C, S and D. This guide therefore covers what to check, not how the helicopter performs.

KEY TAKEAWAYS

- No performance, weight or seat figures are in the inputs. Get them from the helicopter's own manuals before buying.
- ASB BO105-90-103 Rev. 4 covers models A, C, S and D. IFR-approved helicopters need a new ground reference line.
- The bulletin estimates approx. 12 man-hours for the ground line retrofit and approx. 2 man-hours for the wire terminal check.
- Ask to see the historical record entry confirming the bulletin was accomplished.

WHY THE BULLETIN EXISTS

On one helicopter a wire terminal broke at terminal E of the starter-generator. This cut the ground connection to the generator voltage regulator. The result was overvoltage in the electrical system, which damaged several items of electronic equipment.

WHAT APPLIES TO WHICH HELICOPTER

IFR-approved up to S/N 0160: determine whether a retrofit is needed, at the next periodical inspection and within 6 months of receiving Rev. 4. IFR-approved from S/N 0161: retrofit in the same period. Non-IFR: inspect and measure resistance, which must read 0.5 ohms or less.

WHO IS NOT AFFECTED

Helicopters already modified under ASB-BO105-80-118, SB-BO105-80-119 or SB-BO105-90-104 are excluded. So are those with a voltage regulator with overvoltage protection already fitted, such as BO105 CBS-5 KLH and CB(S)-5, and some model D.

SAFETY NOTES

- Uncorrected, a broken ground wire can cause overvoltage that damages avionics and other electronic equipment.
- Terminal E nut torque is 25-26.5 Nm. The wire terminal must be centred and the wire installed without tension.
- Without a standard grounding bar, a grounding bracket must be retrofitted as part of the work.

AI-aggregated guide for the MESSERSCHMITT BO105 · sources: ALERT SERVICE BULLETIN BO105 (#101379) · generated 2026-11-24 · Reference only, not for flight. Check the original documents before relying on this guide.