

**THIS SERVICE INSTRUCTION DOES NOT CHANGE AIRCRAFT TYPE DESIGN**SERVICE INSTRUCTION M20-109  
Date: 15 February, 2003

SUBJECT: Fastener Installation Torque of Nose Gear Steering Pivot Bolt.

MODELS/ S/N  
AFFECTED:

- M20C – All
- M20D – All
- M20E – All
- M20F – All
- M20G – All
- M20J – All
- M20K – All
- M20L – All
- M20M – All
- M20R – All
- M20S – All

TIME OF  
COMPLIANCE: **NEXT 100 HOUR INSPECTION**INTRODUCTION: Mooney Aircraft Corporation *Service and Maintenance Manual* specify torque of the nose gear steering pivot bolt, AN7-50 or NAS1307-72D with AN310-7 nut, to be retorqued to 450-500 inch-pounds every 100 hour inspection. (Reference *Service and Maintenance Manual* section 32-50-01.) Mooney Aircraft has determined that retorqued to 450-500 inch pounds in some cases can cause excessive resistance to rotation of the nose gear.

INSTRUCTIONS: During the 100 hour inspection, after inspection of the bolt and bolt holes, torque the bolt and nut to 270-300 inch-pounds.

Some resistance to rotation of the nose gear pivot may be noticed, this is normal.

WARRANTY: None. Aircraft maintenance.