

Mooney M20 Series Aeroplanes

AD/M20/51

Main Landing Gear Side Brace Bolt

1/99

Applicability: The following models and serial numbers:

Models	Serial Numbers
M20J	24-3415 and 24-3416
M20K	25-2018 through 25-2021
M20M	27-0241
M20R	29-0135 through 29-0138

Requirement: Accomplish the following in accordance with the Instructions section of Mooney Service Bulletin M20-265:

1. Grind the surface of the main landing gear (MLG) leg bracket, part number (P/N) 510010. Inspect the affected area of the P/N 510010 MLG leg bracket for cracks.
2. Replace any cracked P/N 510010 bracket found as a result of the Requirement 1 inspection with a new P/N 510010 MLG leg bracket. Accomplish this replacement in accordance with the applicable maintenance manual.

Note: FAA AD 98-21-26 Amdt 39-10834 refers.

Compliance:

1. With 100 hours time in service after 28 January 1999.
2. Before further flight.

This Airworthiness Directive becomes effective on 28 January 1999.

Background: The manufacturing of MLG leg brackets, using laser pattern cutting, prompted the actions required by this directive. The brackets, when manufactured using this process, develop minor cracks at the bends which could propagate over time. The actions required by this directive are intended to prevent failure of the MLG side brace bolt caused by cracking of the MLG leg bracket, and consequent collapse of the landing gear.