



Service Letter No. 66

FAA:
Rev. B: MAY 18 2006

Page 1 of 2
Rev. B 5/2/06

SUBJECT: *Attach bolts for spring gear and trigear models*

AIRPLANES AFFECTED: MXT-7-180, S/N 14000C-14110C, M-8-235, S/N 15001C-15005C, MXT-7-160, S/N 17001C-17008C, MT-7-235, S/N 18001C-18085C, MXT-7-180A, S/N 21001C-21086C, M-7-235C, S/N 25001C-25096C, MT-7-260, S/N 27001C-27010C, MX-7-180C, S/N 28001C-28019C, M-7-420AC, S/N 29001C-29007C, M-7-260C, S/N 30001C-30034C, MX-7-180AC, S/N 33001C-33010C, MX-7-160C, S/N 34001C

STATUS: To provide high strength bolts as a preferred option for the outboard and inboard attachment bolts for spring gears. **NOTE:** Revision B provides high strength washers as a preferred option also.

BACKGROUND: An owner in a spring gear airplane reported that he experience a not-so-hot landing and the nut came off the bolt and the threads were sheared at the outboard spring gear attachment. The aircraft also was used for flight training at one time. In January of 2003, some existing hardware was changed to high strength bolts, nuts, and heavy-duty attach straps for the outboard attachment and high strength bolts and nuts for the inboard attachment.

ACTION TO BE TAKEN AND MATERIAL REQUIRED:

1) Install the following per **Detail -1:**

- | | | | |
|------|-------|------------|---------------------|
| (32) | 4 ea. | MS-20002-7 | Washer - Flat |
| (41) | 2 ea. | NAS6607-27 | Bolt, High Strength |
| (43) | 2 ea. | NAS1291-7 | Nut, High Strength |

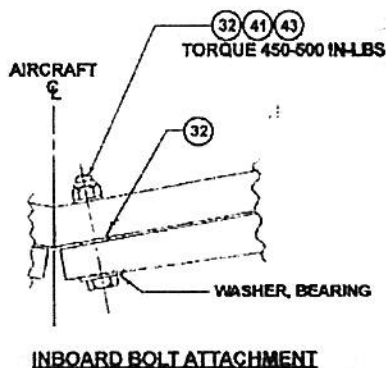
Note: Apply LPS 3 (Rust inhibitor, Heavy Duty) liberally during assembly of inboard bolt attachment – to bolt holes and washer surfaces – to bolts, nuts and washers – also applies to outboard attachment and axle assembly attachment.

Note: Retorque bolts after 25 hours and per Maintenance Manual thereafter.

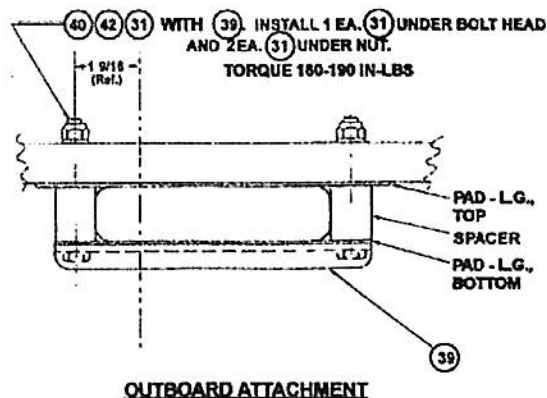
2) Install the following per **Detail -2:**

- | | | | |
|------|--------|------------|---------------------------------|
| (39) | 2 ea. | 4139B-1 | Main L.G. Attach Strap, Upgross |
| (40) | 4 ea. | NAS6606-44 | Bolt, High Strength |
| (42) | 4 ea. | MS21042-6 | Nut, High Strength |
| (31) | 12 ea. | MS-20002-6 | Washer |

Note: The maximum combined height of washers that should be used is 1/8 inch and should have at least one thread of the bolt protruding through the nut.



Detail -1



Detail -2

Note compliance with this service letter in aircraft logbook, fill out Compliance Record Sheet (Page 2) and return to Maule Engineering Records.