

CESSNA AIRCRAFT COMPANY
MODEL 180/185 SERIES (1981 - 1985)
SERVICE MANUAL

SUPPLEMENTAL INSPECTION NUMBER: 32-13-04

1. **TITLE:**
Main Landing Gear Fittings Inspection

2. **EFFECTIVITY**
18053168 thru 18053203
18504139 thru 18504448

INSPECTION COMPLIANCE

ALL USAGE: INITIAL 3,000 Hours or 5 Years **(NOTE)**
REPEAT 1,000 Hours or 5 Years **(NOTE)**

NOTE: Refer to Note 1, Section 2A-14-00.

3. **PURPOSE**
To ensure structural integrity of the main landing gear fittings.

4. **INSPECTION INSTRUCTIONS**

- A. Inspect the outboard main landing gear fittings for cracking. Refer to Figure 1. Pay particular attention to the area directly above the forward and aft edges of the landing gear spring and the attachment of the fittings to the bulkheads.
(1) Clean area before inspecting if grime or debris is present.
- B. Inspect the inboard main landing gear fittings for cracking. Pay particular attention to the area directly below the landing gear spring attachment and the attachment of the fittings to the bulkheads.
(1) Clean area before inspecting if grime or debris is present.

5. **ACCESS AND DETECTABLE CRACK SIZE**

ACCESS/LOCATION/ZONE

DETECTABLE CRACK SIZE

Main Gear Support

Not Allowed

6. **INSPECTION METHOD**
Visual

7. **REPAIR/MODIFICATION**

- A. Main landing gear fittings are contained between two wrap-around bulkheads which physically contain the bulkheads even after the attach fasteners are removed. A recommended method to replace main landing gear fittings is to support the airplane to maintain alignment during rework, remove the floorboard just forward of the forward main gear bulkhead, remove the two longerons forward of the forward main landing gear bulkhead and then slide the forward main landing gear bulkhead forward to disengage it from the fittings. Since the attach holes will be reused to reinstall the parts, remove rivets carefully to avoid excessively enlarging rivet holes. After the fittings are installed, reinstall the removed parts in reverse order. Repairs may be made in accordance with Section 17 (Structural Repair) of the applicable Model 180/185 Service Manual. Any repair not available in Section 17 should be coordinated with Cessna Customer Service prior to beginning the repair.

8. **COMMENTS**