

**SEAT RAILS - INSPECTION/CHECK****1. General**

A. This section has the inspections and checks necessary to keep the seat rails in a serviceable condition.

**TASK 53-25-00-220****2. Seat Rails and Attachment Structure Detailed Inspection****A. General**

(1) This task includes the Supplemental Inspection Document (SID) requirements necessary to do a detailed inspection of the seat rails.

**B. Special Tools**

(1) None

**C. Access**

(1) Remove the pilot and the copilot's seat. Refer to Chapter 25, Flight Compartment - Maintenance Practices.

(2) Remove floorboard access panels 231AL, 231BL, 231CL, 231DL, 232BC, 212FR, 216BC, 232AR, 232BR, 232AC, 232CR, and 232DR. Refer to Chapter 6, Access Plates and Panels - Description and Operation.

(3) Remove the passenger seats and floor covering. Refer to Chapter 25, Passenger Seats - Maintenance Practices.

(4) Remove necessary floor panels adjacent to passenger seat rails to examine structure beneath the passenger seat rails for cracks. Refer to Chapter 6, Access Plates and Panels - Description and Operation.

**D. Examine the Pilot and Copilot's Seat Rails and Attachment Structure.**

(1) Do a visual inspection of the pilot and copilot's seat rails for cracks or holes that are stretched more than 0.21 inch (5.33 mm).

(a) If any of the seat rails have cracks or holes that are stretched more than 0.21 inch (5.33 mm), replace the seat rails. Refer to Service Kit SK208-138 and Seat Rails - Maintenance Practices.

(b) If there are no cracks or holes that are stretched more than 0.21 inch (5.33 mm), continue with the inspection.

(2) Do a visual inspection of the structure beneath the pilot and copilot's seat rails for cracks.

(a) If there are no cracks in the structure beneath the pilot or copilot's seat rails, restore access.

(b) If the structure beneath the pilot and copilot's seats has cracks, repair the structure. Refer to Service Kit SK208-138 and the Model 208 Structural Repair Manual.

**E. Examine the Passenger Seat Rails and Attachment Structure.**

(1) Do a visual inspection of the passenger seat rails for cracks.

(a) If any of the seat rails have cracks, replace the seat rails. Refer to Seat Rails - Maintenance Practices.

(b) If there are no cracks in the passenger seat rails, continue with the inspection.

(2) Do a visual inspection of the structure under the passenger seat rails for cracks.

(a) If the structure under the passenger seats has cracks, repair the structure. Refer to the Model 208 Structural Repair Manual.

(b) If there are no cracks in the structure under the passenger seat rail restore access.

**F. Restore Access**

(1) Install access panels 231AL, 231BL, 231CL, 231DL, 232BC, 212FR, 216BC, 232AR, 232BR, 232AC, 232CR, and 232DR. Refer to Chapter 6, Access Plates and Panels - Description and Operation.

(2) Install the pilot and the copilot's seat. Refer to Chapter 25, Flight Compartment - Maintenance Practices.

(3) Install floor panels adjacent to passenger seat rails that were removed. Refer to Chapter 6, Access Plates and Panels - Description and Operation.

(4) Install the passenger seats and floor covering. Refer to Chapter 25, Passenger Seats - Maintenance Practices.

**END OF TASK****TASK 53-25-00-221****3. Bulkheads and Stiffeners Below the Seat Rail Attachments at FS 143.00 and FS 158.00 Detailed Inspection****A. General**

(1) This task includes the Supplemental Inspection Document (SID) requirements necessary to do a detailed inspection

of the bulkheads and stiffeners below the seat rail attachments at FS 143.00 and FS 158.00.

B. Special Tools

- (1) None

C. Access

- (1) Remove the pilot and the copilot's seat. Refer to Chapter 25, Flight Compartment - Maintenance Practices.
- (2) Remove floorboard access panels 231CL, 231DL, 232BC, 251PL, 251AL, 252PR, 232CR, and 232DR. Refer to Chapter 6, Access Plates and Panels - Description and Operation.

D. Examine the Bulkheads and Stiffeners Below the Seat Rail Attachments.

- (1) Examine the bulkheads and stiffeners for cracks at FS 143.00 and FS 158.00.
  - (a) Do a visual inspection of the bulkheads and stiffeners for cracks.
  - (b) Do a visual inspection of the bulkhead structure near the lightening holes for cracks.
  - (c) Do a visual inspection of the bulkhead structure near the intersections with the longitudinal bulkheads for cracks.
- (2) Examine the longitudinal bulkheads and stiffeners for cracks at FS 143.00 and FS 158.00.
  - (a) Do a visual inspection of the longitudinal bulkheads and stiffeners for cracks.
  - (b) Do a visual inspection of the bulkhead structure near the lightening holes for cracks.
  - (c) Do a visual inspection of the bulkhead structure near the intersections with the longitudinal bulkheads for cracks.
- (3) If there are cracks in the bulkheads, replace the bulkheads. Refer to the Model 208 Structural Repair Manual.
- (4) If there are no cracks, restore access.

E. Restore Access

- (1) Install floorboard access panels 231CL, 231DL, 232BC, 251PL, 251AL, 252PR, 232CR, and 232DR. Refer to Chapter 6, Access Plates and Panels - Description and Operation.
- (2) Install the pilot and the copilot's seat. Refer to Chapter 25, Flight Compartment - Maintenance Practices.

**END OF TASK**