

**INSPECTION DOCUMENT 16**

Date: \_\_\_\_\_  
 Registration Number: \_\_\_\_\_  
 Serial Number: \_\_\_\_\_  
 Total Time: \_\_\_\_\_

**1. Description**

- A. Inspection Document 16 gives a list of item(s), which are completed at the first 12,500 hours and every 2500 hours thereafter.
- B. Inspection items are given in the sequence of the zone in which the inspection is completed. A description of the inspection, as well as the Item Code Number are supplied for cross-reference to section 5-10-01. Frequently, tasks give more information about each inspection. These tasks are found in the individual chapters of this manual.
- C. The right portion of each page gives space for the mechanic's and inspector's initials and remarks. You can use copies of these pages as a checklist while you complete the tasks in this Inspection Document.

**2. General Inspection Criteria**

- A. As you complete each of the inspection tasks in this Inspection Document, examine the adjacent area while access is available to find conditions that need more maintenance.
- B. If it is necessary to replace a component or to make a change to a system while you complete a task, do the task again before the system or component is returned to service.
- C. Inspection Kits are available for some Inspection Documents. They supply consumable materials used to complete the inspection item(s) given for the interval. Refer to the Model 208 Illustrated Parts Catalog, Introduction, Service Kit List to find applicable part numbers.

ITEM CODE NUMBER	TASK	ZONE	MECH	IN-SP	REMARKS
A532004	Lower Forward Carry-Thru Bulkhead Special Detailed Inspection (SID 53-20-03) Task 53-10-00-253	253 254			
A532006	Main Landing Gear Attach Fittings and Aft Carry-Thru Bulkhead (SID 53-20-05) Task 53-10-00-255	253 254			
A532014	Stringers at Intersections with Forward and Aft Carry - Thru Bulkheads Detailed Inspection (SID 53-20-13) Task 53-10-00-224	251 252			
A532016	Fuselage to Wing Carry-Thru Attach Fitting and Bulkhead Special Detailed Inspection (SID 53-20-06) Task 53-10-00-256	251 252			
*** End of Inspection Document 16 Inspection Items ***					

**Task 53-10-00-224**

**11. Stringers at Intersections with Forward and Aft Carry - Thru Bulkheads Detailed Inspection**

**NOTE:** Models 208/208A have the stringers installed between FS 168.00 and FS 195.00.

**NOTE:** The Model 208B has the stringers installed between FS 188.00 and FS 215.00.

**A. General**

- (1) This task includes the Supplemental Inspection Document (SID) requirements necessary to keep the stringers at intersections with forward and aft carry - thru bulkheads in a serviceable condition.

**B. Special Tools**

- (1) None

**C. Access**

- (1) Remove the passenger seats. Refer to Chapter 25, Passenger Seats - Maintenance Practices.
- (2) Remove the upholstery and floorboard panels below the passenger seat locations. Refer to Chapter 53, Floorboards and Access Plates - Maintenance Practices.

**D. Examine the stringers at Intersections with Forward and Aft Carry - Thru Bulkheads.**

- (1) Do a visual inspection of the stringers for cracks.
  - (a) Do a visual inspection of the corners around the attach fittings for cracks.
    - 1 Do a visual inspection of the intersections with the forward and aft carry-thru bulkheads.
- (2) If cracks are found in the stringer(s), repair or replace the stringer(s). Refer to the Model 208 Structural Repair Manual.
- (3) If no cracks are found, restore access.

**E. Restore Access**

- (1) Install the upholstery and floorboard panels below the passenger seat locations. Refer to Chapter 53, Floorboards and Access Plates - Maintenance Practices.
- (2) Install the passenger seats. Refer to Chapter 25, Passenger Seats - Maintenance Practices.

**End Task**

### Task 53-10-00-253

#### 16. Lower Forward Carry-Thru Bulkhead Special Detailed Inspection

##### A. General

- (1) This task includes the Supplemental Inspection Document (SID) requirements necessary to keep the lower forward carry-thru bulkhead in a serviceable condition.

##### B. Special Tools

- (1) None

##### C. Access

- (1) Remove the passenger seats. Refer to Chapter 25, Passenger Seats - Maintenance Practices.
- (2) Remove the upholstery and floorboard panels below the passenger seat locations. Refer to Floorboards and Access Plates - Maintenance Practices.

##### D. Do a Special Detailed Inspection of the Lower Forward Carry-Thru Bulkhead.

**NOTE:** The lower forward carry-thru bulkhead on Models 208/208A are installed at FS 166.00 and FS 168.00.

**NOTE:** The lower forward carry-thru bulkhead on Model 208B are installed at FS 186.00 and FS 188.00.

- (1) Do a visual inspection of the bulkhead and the frames for cracks.
- (2) Do a visual inspection of the corners of the frames around the strut attach fittings.
- (3) Do a nondestructive testing (NDT) inspection of the lower forward carry-thru bulkhead. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Lower Forward Carry-Thru Bulkhead - Description And Operation.
- (4) If no cracks are found, restore access.
- (5) If cracks are found in the attach fitting(s), replace the attach fitting(s).

##### E. Restore Access

- (1) Install the upholstery and floorboard panels below the passenger seat locations. Refer to Floorboards and Access Plates - Maintenance Practices.
- (2) Install the passenger seats. Refer to Chapter 25, Passenger Seats - Maintenance Practices.

#### End Task

### Task 53-10-00-255

#### 18. Main Landing Gear Attach Fittings and Aft Carry-Thru Bulkhead Special Detailed Inspection

##### A. General

- (1) This task includes the Supplemental Inspection Document (SID) requirements necessary to keep the main landing gear attach fittings and aft carry-thru bulkhead in a serviceable condition.

##### B. Special Tools

- (1) None

##### C. Access

- (1) Remove the passenger seats. Refer to Chapter 25, Passenger Seats - Maintenance Practices.
- (2) Remove the upholstery and floorboard panels below the passenger seat locations. Refer to Floorboards and Access Plates - Maintenance Practices.

##### D. Do a Special Detailed Inspection of the Main Landing Gear Attach Fittings and Aft Carry-Thru Bulkhead.

**NOTE:** The main landing gear attach fittings and aft carry-thru bulkhead on Models 208/208A are installed at FS 194.40 and FS 208.00.

**NOTE:** The main landing gear attach fittings and aft carry-thru bulkheads on Airplanes Model 208B are installed at FS 214.40 and FS 228.00.

- (1) Do a visual inspection of the corners around the attach fittings for cracks.
- (2) Do a visual inspection of the corners of the frames around the strut attach fittings.
- (3) Do a nondestructive testing (NDT) inspection of the main landing gear attach fittings and lower aft carry-thru bulkhead. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Main Landing Gear Attach Fittings and Aft Carry-Thru Bulkhead - Description And Operation.
- (4) If no cracks are found, restore access.
- (5) If cracks are found in the lower aft carry-thru bulkhead, repair the bulkhead. Refer to the Model 208 Structural Repair Manual.
- (6) If cracks are found in the attach fitting(s), replace the attach fitting(s).

##### E. Restore Access

- (1) Install the upholstery and floorboard panels below the passenger seat locations. Refer to Floorboards and Access Plates - Maintenance Practices.
- (2) Install the passenger seats. Refer to Chapter 25, Passenger Seats - Maintenance Practices.

#### End Task

**Task 53-10-00-256**

**19. Fuselage to Wing Carry-Thru Attach Fitting and Bulkhead Special Detailed Inspection**

**A. General**

- (1) This task includes the Supplemental Inspection Document (SID) requirements necessary to keep the fuselage to wing carry-thru attach fitting and bulkhead in a serviceable condition.

**B. Special Tools**

- (1) None

**C. Access**

- (1) Remove the upholstery and floorboard panels to get access to the fuselage to wing carry-thru bulkhead. Refer to Floorboards and Access Plates - Maintenance Practices.

**D. Do a Special Detailed Inspection of the Fuselage to Wing Carry-Thru Attach Fitting and Bulkhead.**

- (1) Do a visual inspection of the corners around the attach fittings for cracks.
- (2) Do a nondestructive testing (NDT) inspection of the fuselage to wing carry-thru attach fitting. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Fuselage to Wing Carry-Thru Attach Fitting - Description And Operation.
- (3) If no cracks are found, restore access.
- (4) If cracks are found in the fuselage to wing carry-thru bulkhead, repair the bulkhead. Refer to the Model 208 Structural Repair Manual.
- (5) If cracks are found in the wing carry-thru attach fitting, replace the attach fitting.

**E. Restore Access**

- (1) Install the upholstery and floorboard panels. Refer to Floorboards and Access Plates - Maintenance Practices.

**End Task**