FUSELAGE TO STRUT ATTACH FITTING LUGS - INSPECTION/CHECK

1. General

- A. This section has the inspections and checks necessary to keep the fuselage to strut attach fitting lugs in a serviceable condition.
 - General

TASK 53-20-07-250

2. Fuselage to Strut Attach Fitting Lugs Special Detailed Inspection (Nominal Standard Bolt Size) (Typical Inspection Compliance)

- A. General
 - (1) This task includes the Supplemental Inspection Document (SID) requirements necessary to do a special detailed inspection of the fuselage to strut attach fitting lugs.
- B. Special Tools
 - (1) None
- C. Access
 - (1) Remove the wing strut-to-wing fairings. Refer to Chapter 57, Wings Removal/Installation.
 - (2) Remove the struts. Refer to Chapter 57, Wings Removal/Installation.
- D. Do a Special Detailed Inspection of the Fuselage to Strut Attach Fitting Lugs.
 - NOTE: The Model 208/208A airplanes have the fuselage to strut attach fitting lugs installed between FS 166.00 and FS 168.00.
 - NOTE: The Model 208B airplane has the fuselage to strut attach fitting lugs installed between FS 186.00 and FS 188.00.
 - (1) Do a nondestructive testing (NDT) inspection for cracks in the fuselage attach fittings. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Fuselage to Strut Attach Fitting Lugs - Description And Operation.
 - (2) If no cracks are found, restore access.
 - (3) If cracks are found, replace the strut attach fitting lug. Refer to Chapter 57, Wings Removal/Installation.
- E. Restore Access
 - (1) Install the struts. Refer to Chapter 57, Wings Removal/Installation.
 - (2) Install the wing strut-to-wing fairings. Refer to Chapter 57, Wings Removal/Installation.

END OF TASK

TASK 53-20-07-251

- 3. Fuselage to Strut Attach Fitting Lugs Special Detailed Inspection (Nominal Standard Bolt Size) (Severe Inspection Compliance)
 - A. General
 - (1) This task includes the Supplemental Inspection Document (SID) requirements necessary to do a special detailed inspection of the fuselage to strut attach fitting lugs.
 - B. Special Tools
 - (1) None
 - C. Access
 - (1) Remove the wing strut-to-wing fairings. Refer to Chapter 57, Wings Removal/Installation.
 - (2) Remove the struts. Refer to Chapter 57, Wings Removal/Installation.
 - D. Do a Special Detailed Inspection of the Fuselage to Strut Attach Fitting Lugs.
 - NOTE: The Model 208/208A airplanes have the fuselage to strut attach fitting lugs installed between FS 166.00 and FS 168.00.
 - NOTE: The Model 208B airplane has the fuselage to strut attach fitting lugs installed between FS 186.00 and FS 188.00.
 - (1) Do a nondestructive testing (NDT) inspection for cracks in the fuselage attach fittings. Refer to the Model 208

Nondestructive testing Manual, Part 6, Eddy Current, Fuselage to Strut Attach Fitting Lugs - Description And Operation.

- (2) If no cracks are found, restore access.
- (3) If cracks are found, replace the strut attach fitting lug. Refer to Chapter 57, Wings Removal/Installation.
- E. Restore Access
 - (1) Install the struts. Refer to Chapter 57, Wings Removal/Installation.
 - (2) Install the wing strut-to-wing fairings. Refer to Chapter 57, Wings Removal/Installation.

END OF TASK TASK 53-20-07-252

4. Fuselage to Strut Attach Fitting Lugs Special Detailed Inspection (Oversize 1/64 - Inch Bolt Size) (Severe Inspection Compliance)

- A. General
 - (1) This task includes the Supplemental Inspection Document (SID) requirements necessary to do a special detailed inspection of the fuselage to strut attach fitting lugs.
- B. Special Tools
 - (1) None
- C. Access
 - (1) Remove the wing strut-to-wing fairings. Refer to Chapter 57, Wings Removal/Installation.
 - (2) Remove the struts. Refer to Chapter 57, Wings Removal/Installation.
- D. Do a Special Detailed Inspection of the Fuselage to Strut Attach Fitting Lugs.
 - NOTE: The Model 208/208A airplanes have the fuselage to strut attach fitting lugs installed between FS 166.00 and FS 168.00.
 - NOTE: The Model 208B airplane has the fuselage to strut attach fitting lugs installed between FS 186.00 and FS 188.00.
 - (1) Do a nondestructive testing (NDT) inspection for cracks in the fuselage attach fittings. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Fuselage to Strut Attach Fitting Lugs - Description And Operation.
 - (2) If no cracks are found, restore access.
 - (3) If cracks are found, replace the strut attach fitting lug. Refer to Chapter 57, Wings Removal/Installation.
- E. Restore Access
 - (1) Install the struts. Refer to Chapter 57, Wings Removal/Installation.
 - (2) Install the wing strut-to-wing fairings. Refer to Chapter 57, Wings Removal/Installation.

END OF TASK

TASK 53-20-07-253

- 5. Fuselage to Strut Attach Fitting Lugs Special Detailed Inspection (Oversize 1/32- Inch Bolt Size) (Severe Inspection Compliance)
 - A. General
 - (1) This task includes the Supplemental Inspection Document (SID) requirements necessary to do a special detailed inspection of the fuselage to strut attach fitting lugs.
 - B. Special Tools
 - (1) None
 - C. Access
 - (1) Remove the wing strut-to-wing fairings. Refer to Chapter 57, Wings Removal/Installation.
 - (2) Remove the struts. Refer to Chapter 57, Wings Removal/Installation.
 - D. Do a Special Detailed Inspection of the Fuselage to Strut Attach Fitting Lugs.
 - NOTE: The Model 208/208A airplanes have the fuselage to strut attach fitting lugs installed between FS 166.00 and FS 168.00.

NOTE: The Model 208B airplane has the fuselage to strut attach fitting lugs installed between FS 186.00 and FS 188.00.

- (1) Do a nondestructive testing (NDT) inspection for cracks in the fuselage attach fittings. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Fuselage to Strut Attach Fitting Lugs - Description And Operation.
- (2) If no cracks are found, restore access.
- (3) If cracks are found, replace the strut attach fitting lug. Refer to Chapter 57, Wings Removal/Installation.
- E. Restore Access
 - (1) Install the struts. Refer to Chapter 57, Wings Removal/Installation.
 - (2) Install the wing strut-to-wing fairings. Refer to Chapter 57, Wings Removal/Installation.

END OF TASK