

WING STRUT ATTACH FITTING - INSPECTION/CHECK**1. General**

- A. This section has the inspections and checks necessary to keep the wing strut attach fittings in a serviceable condition.

TASK 57-10-01-250**2. Wing Strut Fittings Special Detailed Inspection (Typical Inspection Compliance)**

A. General

- (1) This task includes the Supplemental Inspection Document (SID) requirements necessary to keep the wing strut fittings in a serviceable condition.

B. Special Tools

- (1) None

C. Access

- (1) Remove the wing strut-to-wing fairings. Refer to Wings - Removal/Installation.
(2) Remove the wing struts. Refer to Wings - Removal/Installation.

D. Do a Special Detailed Inspection of the Wing Strut Fittings.

- (1) Do a nondestructive testing (NDT) inspection for cracks in the wing strut upper attach fitting holes. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing Strut Fittings.
(2) Do a NDT inspection for cracks in the wing strut upper attach fitting extrusion radii. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing Strut Fittings.
(3) Do a NDT inspection for cracks in the wing strut upper attach fitting lugs. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing Strut Fittings.
(4) Do a NDT inspection for cracks in the wing strut lower attach fitting holes. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing Strut Fittings.
(5) Do a NDT inspection for cracks in the wing strut lower attach fitting extrusion radii. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing Strut Fittings.
(6) Do a NDT inspection for cracks in the wing strut lower attach fitting lugs. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing Strut Fittings.
(7) If no cracks are found, restore access.
(8) If cracks are found, replace the damaged parts. Refer to Chapter 57, Wings - Removal/Installation.

E. Restore Access

- (1) Install the wing struts. Refer to Wings - Removal/Installation.
(2) Install the wing strut-to-wing fairings. Refer to Wings - Removal/Installation.

END OF TASK**TASK 57-10-01-251****3. Wing Strut Fittings Special Detailed Inspection (Severe Inspection Compliance)**

A. General

- (1) This task includes the Supplemental Inspection Document (SID) requirements necessary to keep the wing strut fittings in a serviceable condition.

B. Special Tools

- (1) None

C. Access

- (1) Remove the wing strut-to-wing fairings. Refer to Wings - Removal/Installation.
(2) Remove the wing struts. Refer to Wings - Removal/Installation.

D. Do a Special Detailed Inspection of the Wing Strut Fittings.

- (1) Do a nondestructive testing (NDT) inspection for cracks in the wing strut upper attach fitting holes. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing Strut Fittings.
(2) Do a NDT inspection for cracks in the wing strut upper attach fitting extrusion radii. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing Strut Fittings.

- (3) Do a NDT inspection for cracks in the wing strut upper attach fitting lugs. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing Strut Fittings.
- (4) Do a NDT inspection for cracks in the wing strut lower attach fitting holes. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing Strut Fittings.
- (5) Do a NDT inspection for cracks in the wing strut lower attach fitting extrusion radii. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing Strut Fittings.
- (6) Do a NDT inspection for cracks in the wing strut lower attach fitting lugs. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing Strut Fittings.
- (7) If no cracks are found, restore access.
- (8) If cracks are found, replace the damaged parts. Refer to Chapter 57, Wings - Removal/Installation.

E. Restore Access

- (1) Install the wing struts. Refer to Wings - Removal/Installation.
- (2) Install the wing strut-to-wing fairings. Refer to Wings - Removal/Installation.

END OF TASK

TASK 57-10-01-252

4. Wing Strut Attachment to Front Spar Special Detailed Inspection (Nominal/Standard Bolt Size) (Typical Inspection Compliance)

A. General

- (1) This task includes the Supplemental Inspection Document (SID) requirements necessary to keep the wing strut attachment to the front spar in a serviceable condition.

B. Special Tools

- (1) None

C. Access

- (1) Remove the wing strut-to-wing fairings. Refer to Wings - Removal/Installation.
- (2) Remove the wing struts. Refer to Wings - Removal/Installation.

D. Do a Special Detailed Inspection of the Wing Strut Attachment to Front Spar.

- (1) Do a nondestructive testing (NDT) inspection for cracks in the forward spar wing strut attach fitting. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing Strut Attachment to Front Spar.
- (2) Do a NDT inspection for cracks in the forward spar wing strut attach fitting lug. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing Strut Attachment to Front Spar.
- (3) If no cracks are found, restore access.
- (4) If cracks are found, replace the forward spar wing strut attach fitting. Refer to Chapter 57, Wings - Removal/Installation.

E. Restore Access

- (1) Install the wing struts. Refer to Wings - Removal/Installation.
- (2) Install the wing strut-to-wing fairings. Refer to Wings - Removal/Installation.

END OF TASK

TASK 57-10-01-253

5. Wing Strut Attachment to Front Spar Special Detailed Inspection (Nominal/Standard Bolt Size) (Severe Inspection Compliance)

A. General

- (1) This task includes the Supplemental Inspection Document (SID) requirements necessary to keep the wing strut attachment to the front spar in a serviceable condition.

B. Special Tools

- (1) None

C. Access

- (1) Remove the wing strut-to-wing fairings. Refer to Wings - Removal/Installation.

- (2) Remove the wing struts. Refer to Wings - Removal/Installation.
- D. Do a Special Detailed Inspection of the Wing Strut Attachment to Front Spar.
 - (1) Do a nondestructive testing (NDT) inspection for cracks in the forward spar wing strut attach fitting. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing Strut Attachment to Front Spar.
 - (2) Do a NDT inspection for cracks in the forward spar wing strut attach fitting lug. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing Strut Attachment to Front Spar.
 - (3) If no cracks are found, restore access.
 - (4) If cracks are found, replace the forward spar wing strut attach fitting. Refer to Chapter 57, Wings - Removal/Installation.
- E. Restore Access
 - (1) Install the wing struts. Refer to Wings - Removal/Installation.
 - (2) Install the wing strut-to-wing fairings. Refer to Wings - Removal/Installation.

END OF TASK**TASK 57-10-01-254****6. Wing Strut Attachment to Front Spar Special Detailed Inspection (1/64 Inch Oversize Bolt Size) (Severe Inspection Compliance)**

- A. General
 - (1) This task includes the Supplemental Inspection Document (SID) requirements necessary to keep the wing strut attachment to the front spar in a serviceable condition.
- B. Special Tools
 - (1) None
- C. Access
 - (1) Remove the wing strut-to-wing fairings. Refer to Wings - Removal/Installation.
 - (2) Remove the wing struts. Refer to Wings - Removal/Installation.
- D. Do a Special Detailed Inspection of the Wing Strut Attachment to Front Spar.
 - (1) Do a nondestructive testing (NDT) inspection for cracks in the forward spar wing strut attach fitting. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing Strut Attachment to Front Spar.
 - (2) Do a NDT inspection for cracks in the forward spar wing strut attach fitting lug. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing Strut Attachment to Front Spar.
 - (3) If no cracks are found, restore access.
 - (4) If cracks are found, replace the forward spar wing strut attach fitting. Refer to Chapter 57, Wings - Removal/Installation.
- E. Restore Access
 - (1) Install the wing struts. Refer to Wings - Removal/Installation.
 - (2) Install the wing strut-to-wing fairings. Refer to Wings - Removal/Installation.

END OF TASK**TASK 57-10-01-255****7. Wing Strut Attachment to Front Spar Special Detailed Inspection (1/32 Inch Oversize Bolt Size) (Severe Inspection Compliance)**

- A. General
 - (1) This task includes the Supplemental Inspection Document (SID) requirements necessary to keep the wing strut attachment to the front spar in a serviceable condition.
- B. Special Tools
 - (1) None
- C. Access
 - (1) Remove the wing strut-to-wing fairings. Refer to Wings - Removal/Installation.
 - (2) Remove the wing struts. Refer to Wings - Removal/Installation.

- D. Do a Special Detailed Inspection of the Wing Strut Attachment to Front Spar.
- (1) Do a nondestructive testing (NDT) inspection for cracks in the forward spar wing strut attach fitting. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing Strut Attachment to Front Spar.
 - (2) Do a NDT inspection for cracks in the forward spar wing strut attach fitting lug. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing Strut Attachment to Front Spar.
 - (3) If no cracks are found, restore access.
 - (4) If cracks are found, replace the forward spar wing strut attach fitting. Refer to Chapter 57, Wings - Removal/Installation.
- E. Restore Access
- (1) Install the wing struts. Refer to Wings - Removal/Installation.
 - (2) Install the wing strut-to-wing fairings. Refer to Wings - Removal/Installation.

END OF TASK