

HORIZONTAL STABILIZER - INSPECTION/CHECK**1. General**

- A. This section has the inspections and checks necessary to keep the horizontal stabilizer in a serviceable condition.

TASK 55-10-00-250**2. Horizontal Stabilizer Forward and Aft Attach Points Special Detailed Inspection**

A. General

- (1) This task includes the Supplemental Inspection Document (SID) requirements necessary to keep the horizontal stabilizer forward and aft attach points in a serviceable condition.

B. Special Tools

- (1) None

C. Access

- (1) Remove the horizontal stabilizer. Refer to Chapter 55, Horizontal Stabilizer - Removal/Installation.

D. Do a Special Detailed Inspection of the Horizontal Stabilizer Forward and Aft Attach Points.

- (1) Do a visual inspection for cracks in the forward side of the horizontal stabilizer forward spar attach fitting.
- (2) Do a nondestructive testing (NDT) inspection for cracks in the horizontal stabilizer forward spar attach fitting. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current Inspection, Horizontal Stabilizer Forward and Aft Attach Points.
- (3) Do a visual inspection for cracks in the forward side of the horizontal stabilizer aft spar attach fitting.
- (4) Do a NDT inspection for cracks in the horizontal stabilizer forward spar attach fitting. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current Inspection, Horizontal Stabilizer Forward and Aft Attach Points.
- (5) If no cracks are found, restore access.
- (6) If cracks are found, replace the horizontal stabilizer attach fitting. Refer to Chapter 55, Horizontal Stabilizer - Removal/Installation.

E. Restore Access

- (1) Install the horizontal stabilizer. Refer to Chapter 55, Horizontal Stabilizer - Removal/Installation.

END OF TASK**TASK 55-10-00-251****3. Horizontal Stabilizer Spars Special Detailed Inspection (Typical Inspection Compliance)**

A. General

- (1) This task includes the Supplemental Inspection Document (SID) requirements necessary to keep the horizontal stabilizer spars in a serviceable condition.

B. Special Tools

- (1) None

C. Access

- (1) Remove the horizontal stabilizer. Refer to Chapter 55, Horizontal Stabilizer - Removal/Installation.

D. Do a Special Detailed Inspection of the Horizontal Stabilizer Forward Spar.

- (1) Do a visual inspection for cracks in the horizontal stabilizer forward spar upper cap.
- (2) Do a nondestructive testing (NDT) inspection for cracks in the horizontal stabilizer forward spar upper cap between SS 0.00 and SS 9.90. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current Inspection, Horizontal Stabilizer Spars.
- (3) Do a visual inspection for cracks in the horizontal stabilizer forward spar lower cap.
- (4) Do a NDT inspection for cracks in the horizontal stabilizer forward spar lower cap between SS 0.00 and SS 9.90. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current Inspection, Horizontal Stabilizer Spars.
- (a) If cracks are found, contact Cessna Propeller Aircraft Product Support for repair procedures.
- (5) If no cracks are found, continue with the inspection.

E. Do a Special Detailed Inspection of the Horizontal Stabilizer Aft Spar.

- (1) Do a visual inspection for cracks in the horizontal stabilizer aft spar upper cap.

- (2) Do a NDT inspection for cracks in the horizontal stabilizer aft spar upper cap between SS 0.00 and SS 10.60. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current Inspection, Horizontal Stabilizer Spars.
- (3) Do a visual inspection for cracks in the horizontal stabilizer aft spar lower cap.
- (4) Do a NDT inspection for cracks in the horizontal stabilizer aft spar lower cap between SS 0.00 and SS 10.60. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current Inspection, Horizontal Stabilizer Spars.
 - (a) If cracks are found, contact Cessna Propeller Aircraft Product Support for repair procedures.
- (5) If no cracks are found, restore access.

F. Restore Access

- (1) Install the horizontal stabilizer. Refer to Chapter 55, Horizontal Stabilizer - Removal/Installation.

END OF TASK

TASK 55-10-00-252

4. Horizontal Stabilizer Spars Special Detailed Inspection (Severe Inspection Compliance)

A. General

- (1) This task includes the Supplemental Inspection Document (SID) requirements necessary to keep the horizontal stabilizer spars in a serviceable condition.

B. Special Tools

- (1) None

C. Access

- (1) Remove the horizontal stabilizer. Refer to Chapter 55, Horizontal Stabilizer - Removal/Installation.

D. Do a Special Detailed Inspection of the Horizontal Stabilizer Forward Spar.

- (1) Do a visual inspection for cracks in the horizontal stabilizer forward spar upper cap.
- (2) Do a nondestructive testing (NDT) inspection for cracks in the horizontal stabilizer forward spar upper cap between SS 0.00 and SS 9.90. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current Inspection, Horizontal Stabilizer Spars.
- (3) Do a visual inspection for cracks in the horizontal stabilizer forward spar lower cap.
- (4) Do a NDT inspection for cracks in the horizontal stabilizer forward spar lower cap between SS 0.00 and SS 9.90. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current Inspection, Horizontal Stabilizer Spars.
 - (a) If cracks are found, contact Cessna Propeller Aircraft Product Support for repair procedures.
- (5) If no cracks are found, continue with the inspection.

E. Do a Special Detailed Inspection of the Horizontal Stabilizer Aft Spar.

- (1) Do a visual inspection for cracks in the horizontal stabilizer aft spar upper cap.
- (2) Do a NDT inspection for cracks in the horizontal stabilizer aft spar upper cap between SS 0.00 and SS 10.60. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current Inspection, Horizontal Stabilizer Spars.
- (3) Do a visual inspection for cracks in the horizontal stabilizer aft spar lower cap.
- (4) Do a NDT inspection for cracks in the horizontal stabilizer aft spar lower cap between SS 0.00 and SS 10.60. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current Inspection, Horizontal Stabilizer Spars.
 - (a) If cracks are found, contact Cessna Propeller Aircraft Product Support for repair procedures.
- (5) If no cracks are found, restore access.

F. Restore Access

- (1) Install the horizontal stabilizer. Refer to Chapter 55, Horizontal Stabilizer - Removal/Installation.

END OF TASK