

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

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

TASK 55-30-00-250**2. Vertical Stabilizer Spars Special Detailed Inspection (Typical Inspection Compliance)**

A. General

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

B. Special Tools

(1) None

C. Access

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

D. Do a Special Detailed Inspection of the Vertical Stabilizer Spars.

(1) Do a visual inspection for cracks in the vertical stabilizer forward spar cap.

(2) Do a nondestructive testing (NDT) inspection for cracks at the vertical stabilizer forward spar attach holes at WL 126.03. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current Inspection, Vertical Stabilizer Spars.

(3) Do a NDT inspection for cracks at the vertical stabilizer forward spar attach holes at WL 134.28. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current Inspection, Vertical Stabilizer Spars.

(4) Do a NDT inspection for cracks in the vertical stabilizer forward spar from WL 134.38 to WL 138.00. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current Inspection, Vertical Stabilizer Spars.

(5) Do a visual inspection for cracks in the vertical stabilizer aft spar cap.

(6) Do a NDT inspection for cracks at the vertical stabilizer aft spar attach holes at WL 116.40. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current Inspection, Vertical Stabilizer Spars.

(7) Do a NDT inspection for cracks at the vertical stabilizer aft spar attach holes at WL 126.12. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current Inspection, Vertical Stabilizer Spars.

(8) Do a NDT inspection for cracks in the vertical stabilizer aft spar from WL 126.12 to WL 129.00. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current Inspection, Vertical Stabilizer Spars.

(9) If no cracks are found, restore access.

(10) If cracks are found, contact Cessna Propeller Aircraft Product Support for repair procedures.

E. Restore Access

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

END OF TASK**TASK 55-30-00-251****3. Vertical Stabilizer Spars Special Detailed Inspection (Severe Inspection Compliance)**

A. General

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

B. Special Tools

(1) None

C. Access

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

D. Do a Special Detailed Inspection of the Vertical Stabilizer Spars.

(1) Do a visual inspection for cracks in the vertical stabilizer forward spar cap.

(2) Do a nondestructive testing (NDT) inspection for cracks at the vertical stabilizer forward spar attach holes at WL 126.03. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current Inspection, Vertical Stabilizer Spars.

- (3) Do a NDT inspection for cracks at the vertical stabilizer forward spar attach holes at WL 134.28. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current Inspection, Vertical Stabilizer Spars.
- (4) Do a NDT inspection for cracks in the vertical stabilizer forward spar from WL 134.38 to WL 138.00. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current Inspection, Vertical Stabilizer Spars.
- (5) Do a visual inspection for cracks in the vertical stabilizer aft spar cap.
- (6) Do a NDT inspection for cracks at the vertical stabilizer aft spar attach holes at WL 116.40. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current Inspection, Vertical Stabilizer Spars.
- (7) Do a NDT inspection for cracks at the vertical stabilizer aft spar attach holes at WL 126.12. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current Inspection, Vertical Stabilizer Spars.
- (8) Do a NDT inspection for cracks in the vertical stabilizer aft spar from WL 126.12 to WL 129.00. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current Inspection, Vertical Stabilizer Spars.
- (9) If no cracks are found, restore access.
- (10) If cracks are found, contact Cessna Propeller Aircraft Product Support for repair procedures.

E. Restore Access

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

END OF TASK