

**INSPECTION DOCUMENT MF**

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

**1. Description**

- A. Inspection Document MF gives a list of item(s), which are completed at 20,000 hours and every 5000 hours thereafter (Chapter 4 requirement - No grace period).
- 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
A532007	Fuselage to Wing Attach Fitting Lugs Special Detailed Inspection (SID 53-20-02) Task 53-10-00-252	251 252 501 511 525 601 611 625			
A570010	Front Spar Lower Cap Inboard of WS 141.20 Special Detailed Inspection (SID 57-20-02) Task 57-10-00-252	501 521 601 621			
A570011	Rear Spar Lower Cap Inboard of WS 141.20 Special Detailed Inspection (SID 57-20-03) Task 57-10-00-253	521 525 621 625			
A570012	Wing Strut Attachment to Front Spar Special Detailed Inspection (Nominal/Standard Bolt Size) (Typical Inspection Compliance) (SID 57-60-02) Task 57-10-01-252	531 631			

ITEM CODE NUMBER	TASK	ZONE	MECH	IN-SP	REMARKS
A570013	Wing to Carry - Thru Front Spar Attachment Fittings Special Detailed Inspection (SID 57-20-01) Task 57-10-00-250	251 252			
A570014	Wing to Carry - Thru Rear Spar Attachment Fittings Special Detailed Inspection (SID 57-20-01) Task 57-10-00-251	251 252			
A570015	Wing Strut Attachment to Front Spar Special Detailed Inspection (Nominal/Standard Bolt Size) (Severe Inspection Compliance) (SID 57-60-02) Task 57-10-01-253	531 631			
*** End of Inspection Document MF Inspection Items ***					

**Task 53-10-00-252**

**15. Fuselage to Wing Attach Fitting Lugs Special Detailed Inspection**

**A. General**

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

**B. Special Tools**

- (1) None

**C. Access**

- (1) Remove the wing. Refer to Chapter 57, Wings - Removal/Installation.

**D. Do a Special Detailed Inspection of the Fuselage to Wing Attach Fitting Lugs.**

- (1) Do a nondestructive testing (NDT) inspection of the bolt holes in the attach fittings lugs. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Fuselage to Wing Attach Fitting Lugs - Description And Operation.
- (2) If no cracks are found, restore access.
- (3) If cracks are found, replace the fittings.

**E. Restore Access**

- (1) Install the wing. Refer to Chapter 57, Wings - Removal/Installation.

**End Task**

### Task 57-10-00-250

#### 3. Wing to Carry - Thru Front Spar Attachment Fittings Special Detailed Inspection

##### A. General

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

##### B. Special Tools

- (1) None

##### C. Access

- (1) Remove the wing from the airplane. Refer to Wings - Removal/Installation.

##### D. Do a Special Detailed Inspection of the Wing to Carry - Thru Front Spar Attachment Fittings.

- (1) Do a nondestructive testing (NDT) inspection for cracks in the front wing-to-carry-thru spar attach fitting lug. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing to Carry - Thru Spar Attachment Fittings - Description And Operation.
- (2) Do a NDT inspection for cracks in the front wing-to-carry-thru spar attach fitting holes. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing to Carry - Thru Spar Attachment Fittings - Description And Operation.
- (3) If no cracks are found, restore access.
- (4) If cracks are found, replace the wing-to-carry-thru spar attach fitting. Refer to Wings - Removal/Installation.

##### E. Restore Access

- (1) Install the wing. Refer to Wings - Removal/Installation.

#### End Task

### Task 57-10-00-251

#### 4. Wing to Carry - Thru Rear Spar Attachment Fittings Special Detailed Inspection

##### A. General

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

##### B. Special Tools

- (1) None

##### C. Access

- (1) Remove the wing from the airplane. Refer to Wings - Removal/Installation.

##### D. Do a Special Detailed Inspection of the Wing to Carry - Thru Rear Spar Attachment Fittings.

- (1) Do a nondestructive testing (NDT) inspection for cracks in the rear wing-to-carry-thru spar attach fitting lug. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing to Carry - Thru Spar Attachment Fittings - Description And Operation.
- (2) Do a NDT inspection for cracks in the rear wing-to-carry-thru spar attach fitting holes. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Wing to Carry - Thru Spar Attachment Fittings - Description And Operation.
- (3) If no cracks are found, restore access.
- (4) If cracks are found, replace the wing-to-carry-thru spar attach fitting. Refer to Wings - Removal/Installation.

##### E. Restore Access

- (1) Install the wing. Refer to Wings - Removal/Installation.

#### End Task

## Task 57-10-00-252

### 5. Front Spar Lower Cap Inboard of WS 141.20 Special Detailed Inspection

#### A. General

- (1) This task includes the Supplemental Inspection Document (SID) requirements necessary to keep the front spar lower cap inboard of WS 141.20 in a serviceable condition.

#### B. Special Tools

- (1) None

#### C. Access

- (1) Remove the applicable access panels on the bottom of the wing to get access to the front spar. Refer to Chapter 6, Access Plates and Panels Identification - Description and Operation.

#### D. Do a Special Detailed Inspection of the Front Spar Lower Cap Inboard of WS 141.20.

- (1) Do a visual inspection for cracks in the wing front spar lower cap inboard of WS 141.20.
- (2) Do a nondestructive testing (NDT) inspection for cracks in the wing front spar lower cap between the wing attach fittings and WS 141.20. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Forward Spar Lower Cap Inboard of WS 141.20 - Description And Operation.
- (3) If no cracks are found, restore access.
- (4) If cracks are found, contact Cessna Propeller Aircraft Product Support for repair procedures.

#### E. Restore Access

- (1) Installed the access panels that were removed on the bottom of the wing to get access to the front spar. Refer to Chapter 6, Access Plates and Panels Identification - Description and Operation.

### End Task

**Task 57-10-00-253**

**6. Rear Spar Lower Cap Inboard of WS 141.20 Special Detailed Inspection**

**A. General**

- (1) This task includes the Supplemental Inspection Document (SID) requirements necessary to keep the rear spar lower cap inboard of WS 141.20 in a serviceable condition.

**B. Special Tools**

- (1) None

**C. Access**

- (1) Remove the applicable access panels on the bottom of the wing to get access to the rear spar. Refer to Chapter 6, Access Plates and Panels Identification - Description and Operation.

**D. Do a Special Detailed Inspection of the Rear Spar Lower Cap Inboard of WS 141.20.**

- (1) Do a visual inspection for cracks in the wing rear spar lower cap inboard of WS 141.20.
- (2) Do a nondestructive testing (NDT) inspection for cracks in the wing rear spar lower cap between the wing attach fittings and WS 141.20. Refer to the Model 208 Nondestructive testing Manual, Part 6, Eddy Current, Aft Spar Lower Cap Inboard of WS 141.20 - Description And Operation.
- (3) If no cracks are found, restore access.
- (4) If cracks are found, contact Cessna Propeller Aircraft Product Support for repair procedures.

**E. Restore Access**

- (1) Installed the access panels that were removed on the bottom of the wing to get access to the rear spar. Refer to Chapter 6, Access Plates and Panels Identification - Description and Operation.

**End 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 - Description And Operation.
- (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 - Description And Operation.
- (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 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 - Description And Operation.
- (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 - Description And Operation.
- (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 Task**