

**INSPECTION DOCUMENT 06**

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

**1. Description**

- A. Inspection Document 06 gives a list of item(s), which are completed at every 200 Hours or 12 calendar months, whichever occurs first.
- 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
B236001	Static Discharge System Functional Check Task 23-60-00-720	343 375 376 571 671			
B243401	Marathon Ni-Cad Battery Functional Check (Capacity Check) Task 24-34-00-720	122			
A255101	Cargo Nets Detailed Inspection Task 25-51-00-220	251 252 255 256 257 258			
B281001	Fuel Vent Line Float Valve Operational Check Task 28-10-03-710	575 675			

ITEM CODE NUMBER	TASK	ZONE	MECH	IN-SP	REMARKS
B301003	Bleed Air Pressure Regulator Functional Check Task 30-10-00-720	122 AUX			
B341101	Pitot Tube Heaters Operational Check Task 34-11-00-710	AUX			
*** End of Inspection Document 06 Inspection Items ***					

## Task 23-60-00-720

### 2. Static Discharge System Functional Check

#### A. General

- (1) This task gives the information needed to complete the inspection procedures for the static discharge system.

#### B. Special Tools

- (1) Digital Ohmmeter
- (2) Megohmmeter

#### C. Access

- (1) None

#### D. Do the Static Discharge System Functional Check.

- (1) Visually examine the static dischargers for lightning damage and erosion of the airplane skin at the attach points.
  - (a) If the static discharger shows signs of a lightning strike, replace the static discharger and examine the entire aircraft for lightning strike damage. Refer to Chapter 5, Unscheduled Maintenance Checks.
- (2) Visually examine between the tips of the static dischargers and the base assemblies for erosion.
- (3) Visually examine the static dischargers for condition and security.
- (4) Replace the damaged or the missing static dischargers.
- (5) Make sure that all static dischargers are tight.

#### E. Do a Functional Check of the Static Discharge System.

- (1) Use an ohmmeter (bonding meter) to do a check of the resistance between the base assemblies and a good airplane ground.
  - (a) Make sure that the resistance between the base assembly and the metal surface is 0.5 ohms or less.
  - (b) Make sure there is a good ground before you do the next step.

**WARNING: Use precaution when you use a high voltage megohmmeter to prevent an electrical shock.**

- (2) Use a megohmmeter set to 500 volts to do a check of the resistance between the base assemblies and the static dischargers.
  - (a) Make sure that the resistance between the base assembly and the static discharger is 1 to 100 megohms.
  - (b) If the resistance between the base assembly and the static discharger is not in tolerance, replace the static discharger.

#### F. Restore Access

- (1) None

### End Task

## Task 24-34-00-720

### 2. Marathon Ni-Cad Battery Functional Check (Capacity Check)

- A. General
  - (1) This section gives the information needed to complete the inspection procedures for the ni-cad battery.
- B. Special Tools
  - (1) None
- C. Access
  - (1) Open the right cowling door to get access to the battery. Refer to Chapter 71, Engine Cowling and Nose Cap - Maintenance Practices.
- D. Do the Marathon Ni-Cad Battery Functional Check (Capacity Check).
  - (1) Remove the battery from the airplane. Refer to Ni-Cad Battery - Removal/Installation.
  - (2) Visually examine the nickel-cadmium battery for its general condition.
  - (3) Examine the connectors for an overheat indication, burns, or signs of arcing.
  - (4) Examine the vent tubes for deterioration, rubs, and wear.
  - (5) Examine the battery support structure and the adjacent areas for corrosion, cracks, and rubs.
  - (6) Do a capacity check and an electrolyte level adjustment of the Marathon Ni-Cad battery. Refer to the MarathonNorco Aerospace Operating and Maintenance Manual.
  - (7) Install the battery in the airplane. Refer to Ni-Cad Battery - Removal/Installation.
- E. Restore Access
  - (1) Close the right cowling door. Refer to Chapter 71, Engine Cowling and Nose Cap - Maintenance Practices.

### End Task

## Task 25-51-00-220

### 2. Cargo Nets Detailed Inspection

#### A. General

- (1) This task gives the information needed to complete the inspection procedures for the cargo net and the barrier.

#### B. Special Tools

- (1) None

#### C. Access

- (1) None

#### D. Do the Cargo Nets Detailed Inspection.

- (1) Cargo Nets and Vertical Partitions Nets.
  - (a) Examine the nets for condition, security, deterioration, stitching, and correct operation of the attachment devices.
  - (b) Examine the cargo door restraint net attachment bar for condition, security, and correct attachment of the net to the bar.
  - (c) Examine the door restraint nets for condition and security of the stud and the socket hardware to the forward and the aft nets.
- (2) General Visual Inspection of the Cargo Barrier and Access Nets.
  - (a) Examine the condition and the security of installation of the cargo barrier.
  - (b) Use the coin tap test to examine the barrier for debonds.
    - 1 Examine the cargo barrier and the access mounting area for signs of delamination.
- (3) General Visual Inspection of the Cargo Tie-Down Straps
  - (a) Examine the straps for condition, wear, and positive locking of the attaching mechanism
  - (b) Examine the floor anchors for condition and correct operation.
  - (c) Examine the cargo nets for condition and security of the attachment hardware.

#### E. Restore Access

- (1) None

### End Task

## Task 28-10-03-710

### 2. Fuel Vent Line Float Valve Operational Check

**NOTE:** The fuel vent line float valve can become clogged and cause possible fuel starvation of the engine. The following procedure must be used to make sure that the valve operates correctly.

**NOTE:** The operational check of the left and the right fuel vent line float valve is typical.

#### A. General

- (1) This task gives the procedures to do a functional check of the fuel vent line float valve.

#### B. Special Tools

- (1) Tube
- (2) Plug

#### C. Access

- (1) None

#### D. Do a Operational Check of the Fuel Vent Line Float Valve (Refer to Figure 601).

- (1) Make sure that the fuel selector valve is turned off.
- (2) Attach a rubber tube to the end of the wing tip vent line.
- (3) Make sure that the fuel caps are installed correctly.
- (4) Put a plug in the 0.040 inch (1.01 mm) diameter hole in the wing tip vent line.
- (5) Blow into the tube to give a small amount of pressurization into the fuel tank.
  - (a) If you can blow air into the fuel tank, the vent lines are open and float valve is not clogged.
  - (b) If you can not blow air into the fuel tank, do the Fuel Vent Line Float Valve Test to examine if the vent line is plugged and/or the float valve is stuck at the closed position. Refer to Fuel Ventilation System - Maintenance Practices.
- (6) Remove the tube and plug from the wing tip vent line.

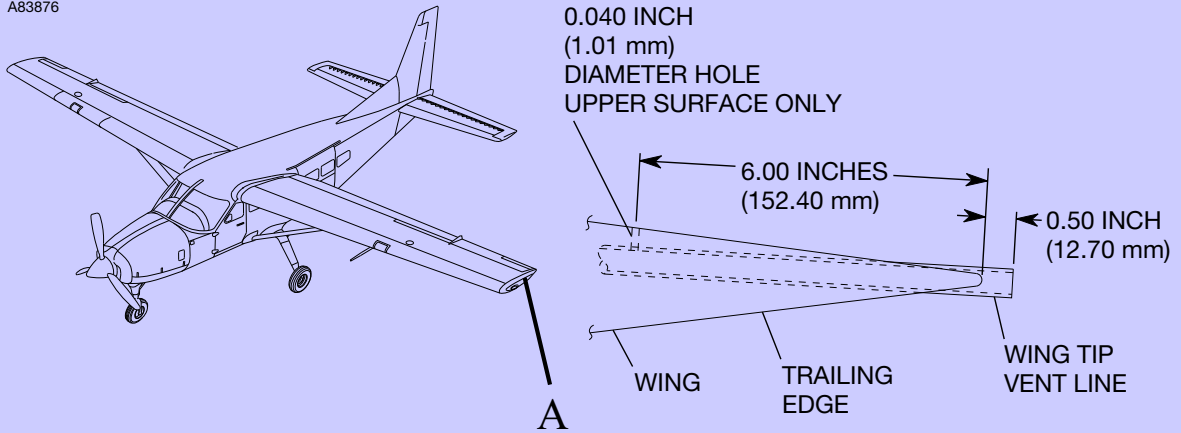
#### E. Restore Access

- (1) None

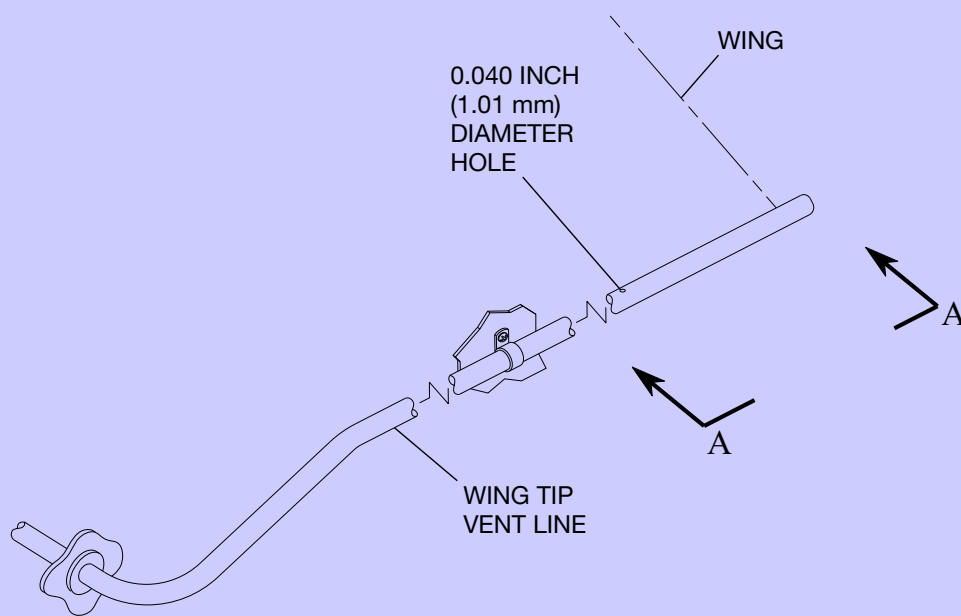
### End Task

**Figure 601. Fuel Ventilation System**

A83876



VIEW A#A



**DETAIL A**  
LEFT SIDE SHOWN,  
RIGHT SIDE OPPOSITE

2610T7002  
A2626T1004  
AA2626T1009

**Task 30-10-00-720**

**2. Bleed Air Pressure Regulator Functional Check**

**A. General**

- (1) This task gives the procedures to do a bleed air pressure regulator functional check.

**B. Special Tools**

- (1) Filtered Shop Air
- (2) Flexible Hose
- (3) Pressure Gage

**C. Access**

- (1) Open the right engine cowling door.

**D. Do the Bleed Air Pressure Regulator Functional Check.**

- (1) For the procedures necessary to do the bleed air pressure regulator functional check, refer to Chapter 36, Pneumatic Distribution - Maintenance Practices.

**E. Restore Access**

- (1) Close the right engine cowling door.

**End Task**



### Task 34-11-00-710

#### 3. Pitot Tube Heaters Operational Check

##### A. General

- (1) This task gives the information needed to operational check of the pitot tube heaters.

##### B. Special Tools

- (1) External Electrical Power Unit

##### C. Access

- (1) None

##### D. Do the Pitot Tube Heater Operational Check.

**NOTE:** The pitot tubes have two heating elements, one in the front and one behind the static port compensating ring. Make sure that both elements operate.

- (1) Make sure that the covers are not installed on the pitot tubes.
- (2) Connect the external electrical power unit to the airplane.
- (3) Set the BATT switch to the ON position.
- (4) Set the PITOT-STATIC HEAT switch to the ON position for 30 seconds, then to the OFF position.

**WARNING: Use extreme caution when you touch the pitot tube surface with you bare hands. The pitot tube will cause severe burns to skin if it is left on too long.**

- (5) Carefully make sure that the pitot tube becomes warm when the PITOT-STATIC HEAT switch is at the ON position.
- (6) Set the BATT switch to the OFF position.
- (7) Remove the electrical power from the airplane.

##### E. Restore Access

- (1) None

#### End Task