

**AVIONICS COOLING - INSPECTION/CHECK****1. General**

- A. This section has the inspections and checks necessary to keep the fresh avionics cooling system in a serviceable condition.

**TASK 21-24-00-710****2. Avionics Cooling Fan Operational Check**

## A. General

- (1) This section gives the information needed to complete the operational check of the avionics cooling system.

**NOTE:** The operational check for airplanes with and without the Garmin Display Unit's (GDU's) are included in this task.

## B. Special Tools

- (1) None

## C. Access

- (1) For airplanes without the GDU's.

(a) Find the blower motor on the firewall attached with a bracket on the right side.

- (2) For airplanes with the GDU's.

(a) Without disconnecting the electrical connector, remove the GDU and set it aside to get access to the GDU cooling fan. The fan receives power from its GDU circuit breaker. Refer to Chapter 34, Garmin Display Unit - Removal/Installation.

## D. Avionics Cooling Operational Check for Airplanes Without the GDU's

- (1) Examine the blower for security, condition, and the connection of the duct hoses at the blower and at the radio racks.
- (2) Examine the wiring at the blower motor for condition and security.
- (3) Set the BATT switch to the ON position.
- (4) Put the AVIONICS 1 and the AVIONICS 2 switch to the ON position
- (5) Make sure that the blower motor operates correctly.
- (6) Put the AVIONICS 1 and the AVIONICS 2 switch to the OFF position
- (7) Set the BATT switch to the OFF position.

## E. GDU Cooling Fan Operational Check

**NOTE:** The operational check for the different GDU fans is typical.

- (1) Examine the GDU fan for security and condition.
- (2) Examine the wiring at the GDU fan for condition and security.
- (3) Set the BATT switch to the ON position.
- (4) Put the AVIONICS 1 and the AVIONICS 2 switch to the ON position
- (5) Make sure that the GDU fan operates in the correct direction.
- (6) Put the AVIONICS 1 and the AVIONICS 2 switch to the OFF position
- (7) Set the BATT switch to the OFF position.

## F. Restore Access

- (1) For airplanes without the GDU's.

(a) Put the center console in its position and on the floor.  
 (b) Install the screws that attach the center console to the floor.

- (2) For airplanes with the GDU's.

(a) Install the GDU. Refer to Chapter 34, Garmin Display Unit - Removal/Installation.

**END OF TASK**