

## COWL DECK COOLING FAN - REMOVAL/INSTALLATION

### 1. General

- A. This sections gives the removal and installation procedures for each of the two the cowl deck cooling fan, (ZC022 left, ZC023 right).

### 2. Tools and Equipment

**NOTE:** For the tool, equipment, and special consumable part numbers and the manufacturer data, refer to Chapter 23, Communications - General. For the supplier publication part number and manufacturer data, refer to the Introduction Supplier Publication List.

- A. Tools and Equipment
- None.
- B. Special Consumables
- None.
- C. Reference Material
- Chapter 34, Garmin Display Unit - Removal and Installation.

### 3. Setup

- A. Prepare the Airplane
- (1) On the circuit breaker switch panel make sure that the switches that follow are set to the OFF position:
    - (a) BATTERY switch
    - (b) EXTERNAL POWER switch.
  - (2) Remove external electrical power from the airplane.
  - (3) Disengage the circuit breaker given in Table 401.

**Table 401. Circuit Breaker**

Circuit Breaker Name	Circuit Breaker Location
DECK SKIN FANS	Left Circuit Breaker Panel

- (4) Remove the multifunction display (MFD) from the instrument panel. Refer to Chapter 34, Garmin Display Unit - Removal and Installation.

### 4. Cowl Deck Cooling Fan Removal

- A. Remove the Cowl Deck Cooling Fan (Refer to Figure 401).
- NOTE:** The removal procedures for the left and right cowl deck cooling fan is typical.
- (1) Disconnect the electrical connector (JC055 left, JF055 right), from the applicable fan.
  - (2) Remove the screws that attach the fan assembly to the cowl deck assembly.
  - (3) Remove the fan, grill and retainer from the glareshield.

### 5. Installation

- A. Install the Cowl Deck Cooling Fan (Refer to Figure 401).
- NOTE:** The installation procedures for the left and right cowl deck cooling fan is typical.
- (1) Put the fan, grill and retainer in there correct position on the glareshield.
  - (2) Install the screws that attach the fan assembly to the retainer and cowl deck assembly.
  - (3) Connect the electrical connector (JC055 left, JF055 right), to the applicable fan assembly.

### 6. Cowl Deck Cooling Fans Post-Maintenance Checks

- A. Do the Cowl Deck Cooling Fans Post-Maintenance checks.
- (1) Engage the circuit breaker given in Table 401.
  - (2) Put the BATTERY switch on the circuit breaker switch panel, to the ON position.
    - (a) Make sure each of the Cowl Deck Cooling Fans are operating.
  - (3) Put the BATTERY switch to the OFF position.

## 7. Closeout

A. Put the Airplane Back to its Initial Condition.

- (1) Install the multifunction display (MFD) in the instrument panel. Refer to Chapter 34, Garmin Display Unit - Removal and Installation.

Figure 401 : Sheet 1 : Cowl Deck Cooling Fan Installation

