

KING RADIO AVIONICS COOLING FAN - REMOVAL/INSTALLATION**1. General**

- A. The maintenance procedures that follow are for the removal and installation of the King radio avionics cooling fan.
- B. Airplanes with the King radio avionics have one cooling fan for the instrument panel installed on the top right side of the firewall. The fan is used to cool the different components in the radio stack.

2. Removal

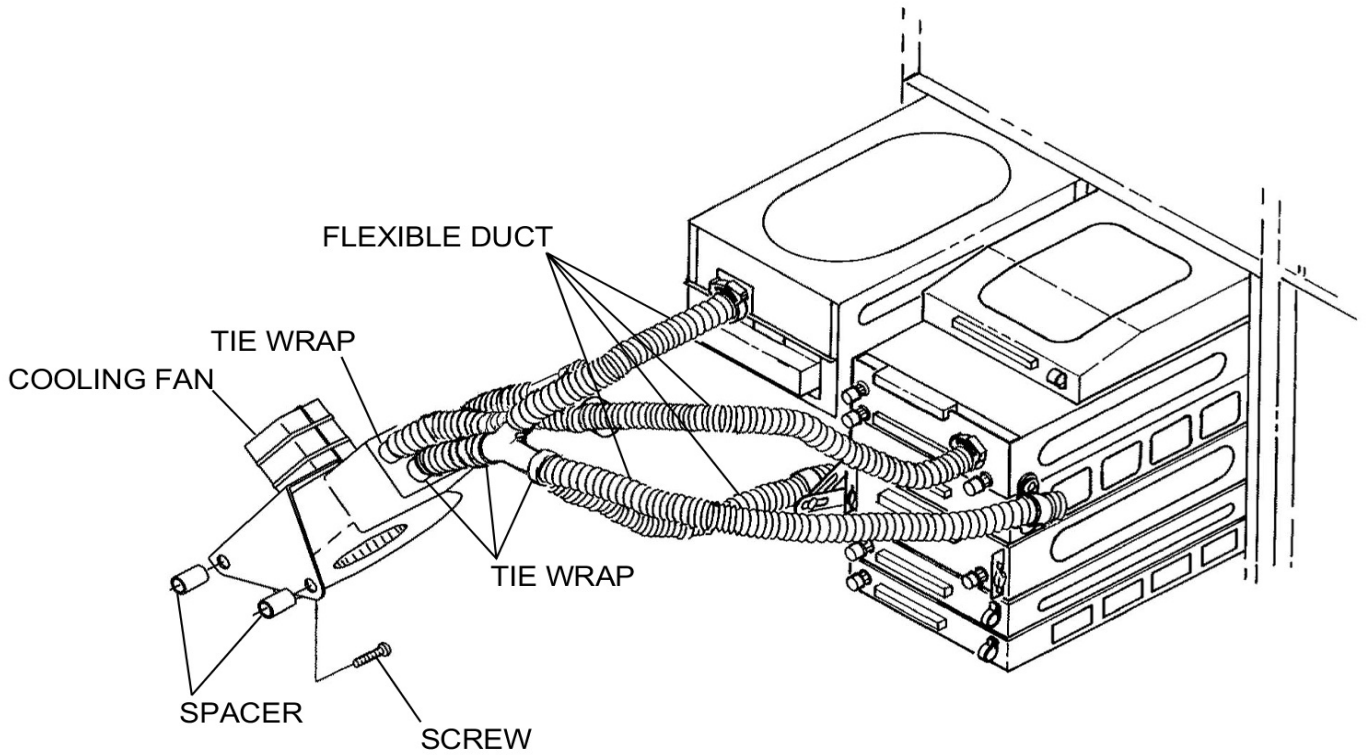
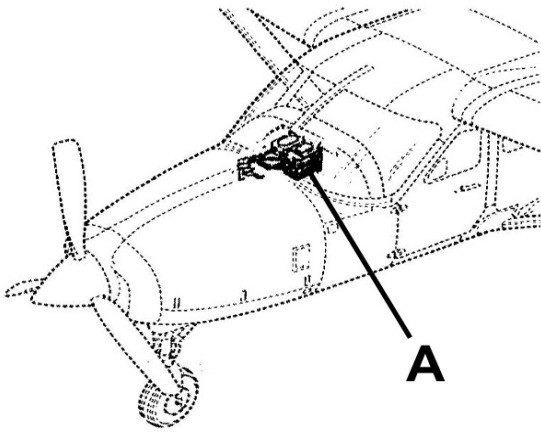
- A. Remove the firewall avionics cooling fan (Refer to Figure 401).
 - (1) Make sure that the airplane MASTER and AVIONICS switches are in the off position.
 - (2) Remove the screws that attach the fan to the firewall.
 - (3) Disconnect the electrical connector from the wire bundle.
 - (4) Cut the tie wraps and disconnect the flexible ducts from the fan.
 - (5) Remove the fan from the airplane.

3. Installation

- A. Install the firewall avionics cooling fan (Refer to Figure 401).
 - (1) Connect the flexible ducts to the fan.
 - (2) Install the tie wraps on the ducts.
 - (3) Connect the electrical connector to the wire bundle.
 - (4) Install the fan on the firewall with the screws.
 - (5) Do a test of the fan.
 - (a) Put the MASTER switch in the BATT position.
 - (b) Put the AVIONICS switch in the On position.
 - (c) Listen to make sure of fan operation.
 - (6) Put the MASTER switch and the AVIONICS switch in the off position.

Figure 401 : Sheet 1 : Avionics Cooling Fan

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DETAIL A

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