



## AIRCRAFT MAINTENANCE MANUAL

### APU FIRE DETECTOR - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

#### 1. General

- A. This section gives the procedures to remove/install the APU fire detector.
- B. The procedures in this section are given in the sequence below. The tasks identified with (♦) are part of the Scheduled Maintenance Requirements Document (SMRD).

TASK NUMBER	DESCRIPTION	EFFECTIVITY
26-12-01-000-801-A	APU FIRE DETECTOR - REMOVAL	ALL
26-12-01-400-801-A	APU FIRE DETECTOR - INSTALLATION	ALL



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TASK 26-12-01-000-801-A

EFFECTIVITY: ALL

2. APU FIRE DETECTOR - REMOVAL

A. General

- (1) To do this task, it is necessary to remove the APU cowling.

B. References

REFERENCE	DESIGNATION
AMM MPP 49-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 49-11-00-000-801-A/400	APU COWLING - REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
313	APU cowling	APU

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Ladder	To get access to the APU	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	APU

I. Preparation

SUBTASK 841-002-A

**WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN AMM MPP 49-00-00/200 TO PREVENT INJURY TO PERSONS AND DAMAGE TO MATERIAL.**

- (1) On the circuit breaker panel, open the circuit breakers below and attach a DO-NOT-CLOSE tag to them.
- APU FIRE DET.



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- APU CONTROL.

(2) Put the ladder in the work area.

(3) Remove the APU cowling ( [AMM TASK 49-11-00-000-801-A/400](#)) to get access to the APU.

J. Removal ([Figure 401](#)) ([Figure 402](#))

SUBTASK 020-002-A

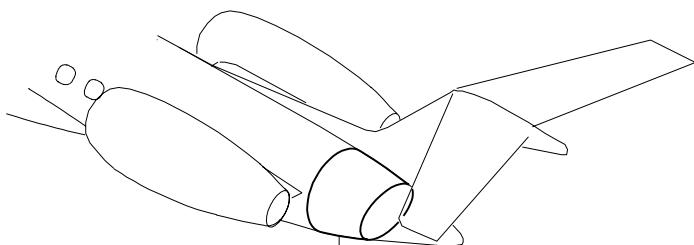
**CAUTION:** DURING THE REMOVAL PROCEDURE, IF THE DETECTOR IS IN CONDITION TO BE USED AGAIN, BE CAREFUL NOT TO CAUSE DAMAGE OR SHARP BENDS TO IT.

- (1) Disconnect the electrical connector (1) from the detector (2).
- (2) Release the Dzus fastener from the sensing element (5).
- (3) Loosen the bolts (4) from the clamps (3) which attach the detector (2) to its support in the APU body.
- (4) Remove the detector (2) and sensing element (5) from the APU.
- (5) Install the protection caps to the disconnected points.

**EFFECTIVITY: AIRCRAFT WITH APU T-627-40C11**

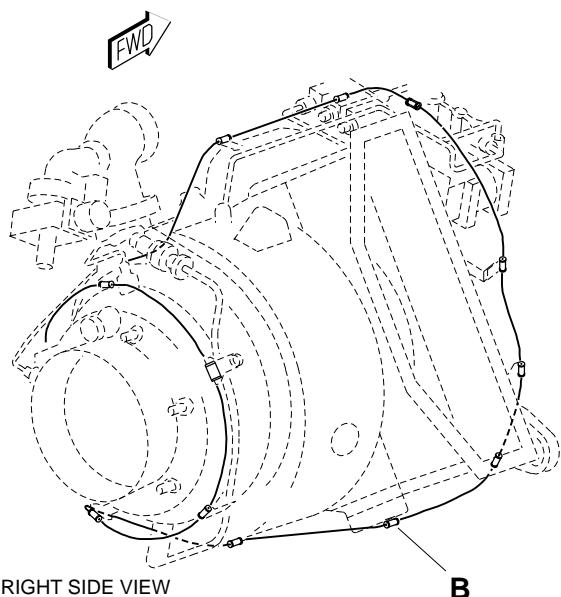
APU Fire Detector - Removal/Installation

Figure 401

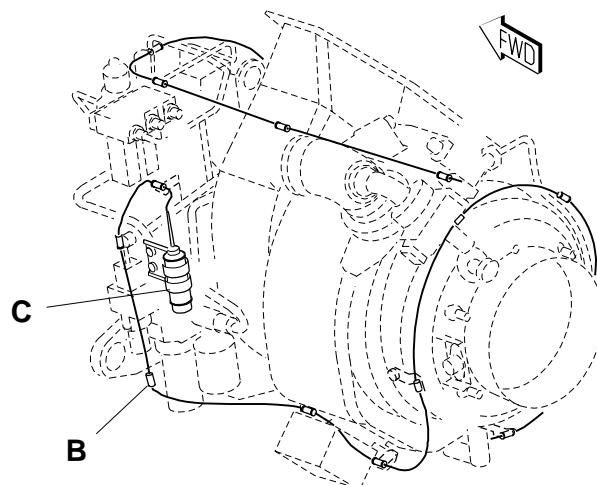


- 1** TORQUE: FINGER TIGHTENING+45°
- 2** TORQUE: 2,26 TO 2,8 Nm (20 TO 25 lb.in)

**A**  
ZONE  
310

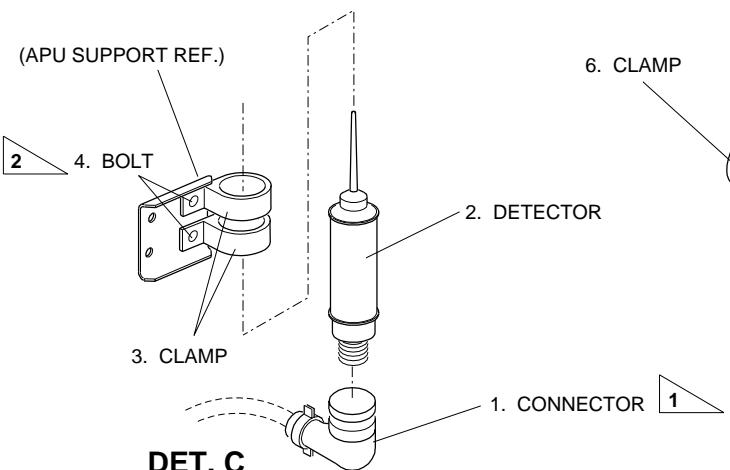


RIGHT SIDE VIEW

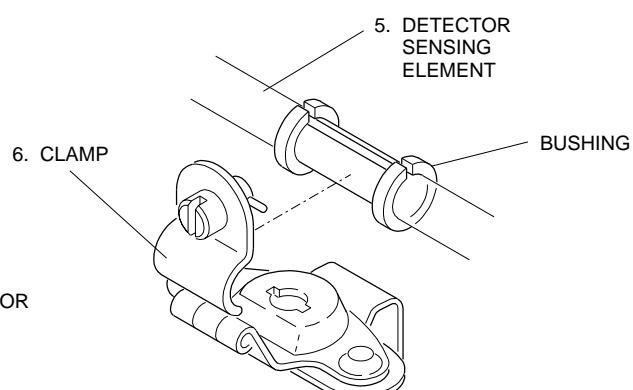


**DET. A**

LEFT SIDE VIEW

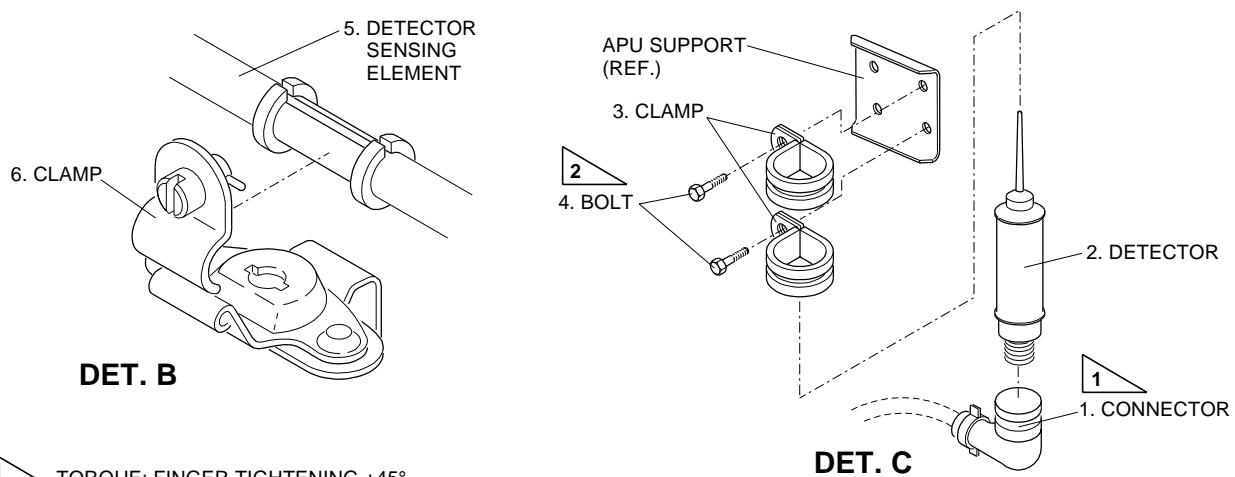
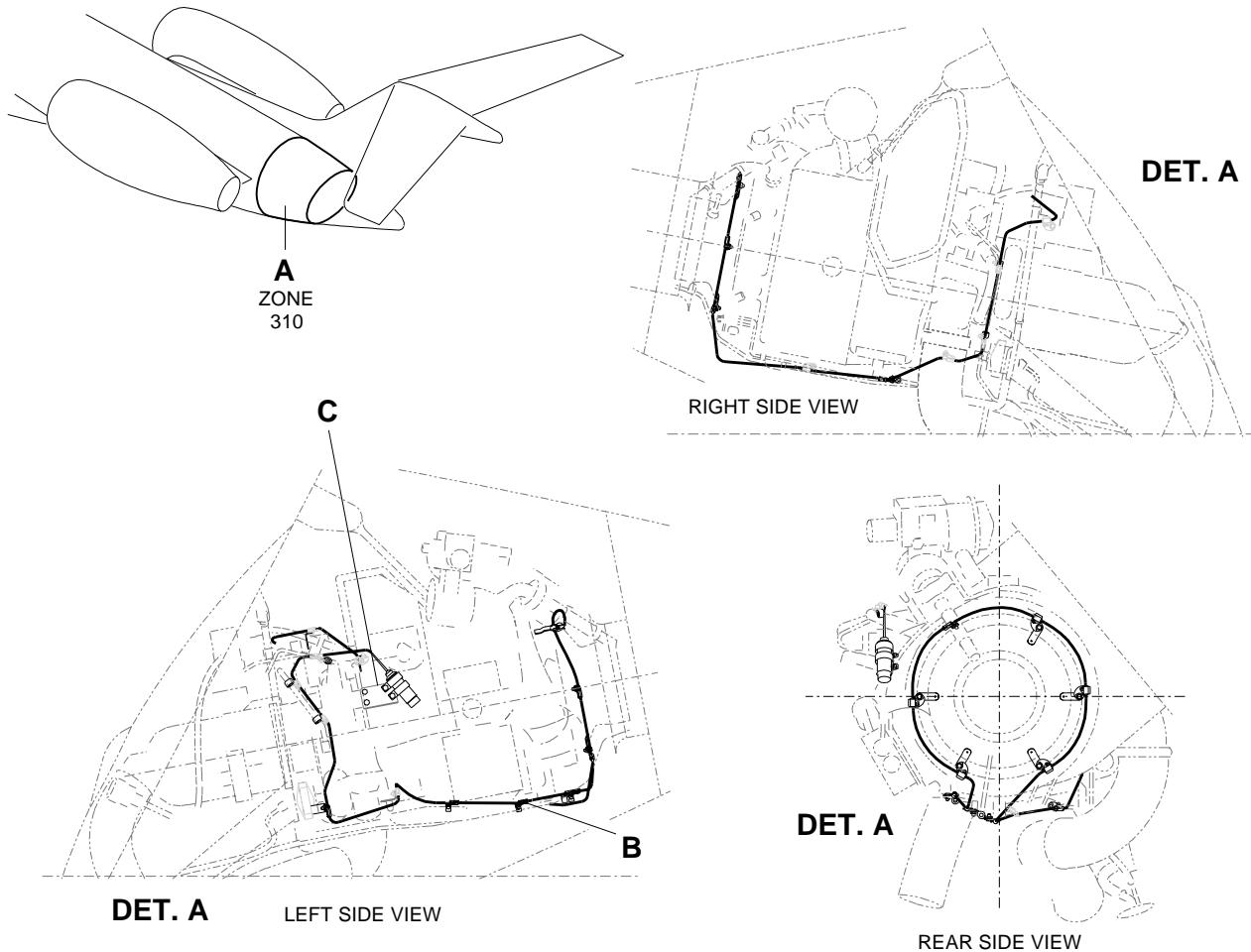


**DET. B**



145AMM260005.MCE A

**EFFECTIVITY: AIRCRAFT WITH APU T-627-40C14**  
**APU Fire Detector - Removal/Installation**  
**Figure 402**



145AMM260224.MCE

**TASK 26-12-01-400-801-A**
**EFFECTIVITY: ALL**
**3. APU FIRE DETECTOR - INSTALLATION**
**A. General**

- (1) To do this task, it is necessary to remove the APU cowling.

**B. References**

<i>REFERENCE</i>	<i>DESIGNATION</i>
AMM MPP 49-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 26-10-00-700-801-A/500	-
AMM TASK 26-10-00-700-802-A/500	-
AMM TASK 49-11-00-400-801-A/400	APU COWLING - INSTALLATION

**C. Zones and Accesses**

<i>ZONE</i>	<i>PANEL/DOOR</i>	<i>LOCATION</i>
313	APU cowling	APU

**D. Tools and Equipment**

Not Applicable

**E. Auxiliary Items**

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>PURPOSE</i>	<i>QTY</i>
Commercially available	Ladder	To get access to the APU	1

**F. Consumable Materials**

Not Applicable

**G. Expandable Parts**

Not Applicable

**H. Persons Recommended**

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	APU

**I. Installation (Figure 401) (Figure 402)**
**SUBTASK 420-002-A**

**WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN AMM MPP 49-00-00/200 TO PREVENT INJURY TO THE PERSONS AND DAMAGE TO MATERIAL.**

**CAUTION: THE SENSING ELEMENT MUST NOT DIRECTLY TOUCH AN APU PART OR HAVE SHARP BENDS OR MASHES.**



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- (1) Remove the protection caps from the disconnected points, if applicable.
- (2) Put the detector (2) and sensing element (5) in their installation position, on the APU.

NOTE: • Do not give the sensing element sharp bends (10 mm/0.4 inch minimum radius);  
• Make sure that the minimum gap between the sensing element and the APU components is 5 mm (0.2 inch).
- (3) Attach the bolts (4) of the clamps (3) to hold the detector (2) to the APU support.
- (4) Attach the sensing element (5) to the clamps (6) with the Dzus fastener.
- (5) Connect the electrical connector (1) to the detector (2).

### J. Follow-on

#### SUBTASK 842-002-A

- (1) Install the APU cowling ([AMM TASK 49-11-00-400-801-A/400](#)).
- (2) Remove the ladder.
- (3) On the circuit breaker panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them:
  - APU FIRE DET.
  - APU CONTROL.
- (4) Do an operational test of the fire detection system (AMM TASK 26-10-00-700-801-A/500) or (AMM TASK 26-10-00-700-802-A/500) as applicable.

