

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

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.

- 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

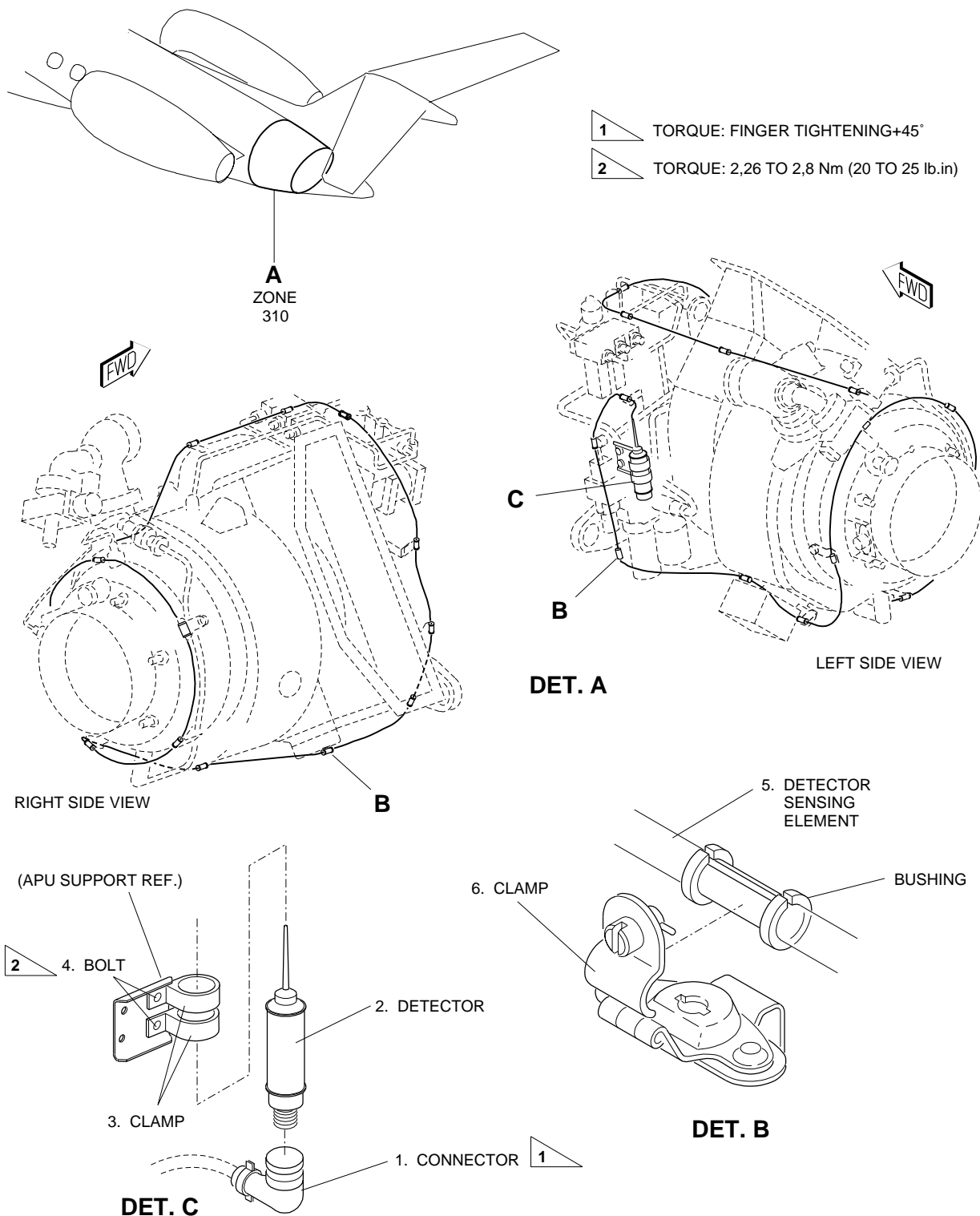
CAUTION: DURING THE REMOVAL PROCEDURE, IF THE DETECTOR IS IN CONDITION TO BE USED AGAIN, BE CAREFUL NOT TO CAUSE DAMAGE OR SHARP BENDS TO IT.

- (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

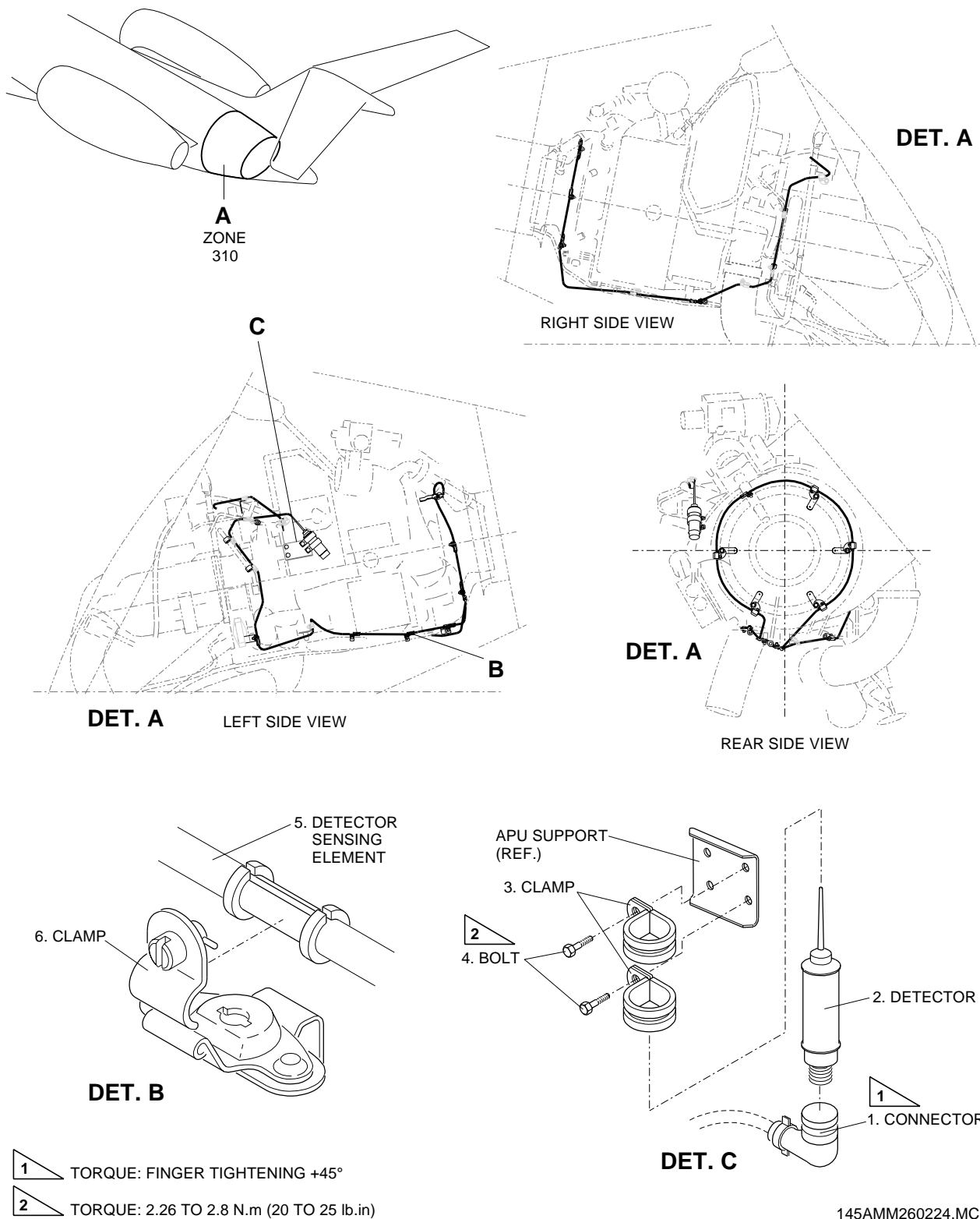


145AMM260005.MCE A

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

REFERENCE	DESIGNATION
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

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. 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.

- (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.

