



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

PYLON FIRE DETECTOR - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove/install the pylon 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
26-11-02-000-801-A	PYLON FIRE DETECTOR - REMOVAL	ALL
26-11-02-400-801-A	PYLON FIRE DETECTOR - INSTALLATION	ALL



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TASK 26-11-02-000-801-A

EFFECTIVITY: ALL

2. PYLON FIRE DETECTOR - REMOVAL

A. General

(1) This task is applicable to the LH and RH pylons.

B. References

REFERENCE	DESIGNATION
AMM MPP 71-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 71-11-01-000-801-A/400	ENGINE UPPER COWLING - REMOVAL

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
412	Upper cowling	LH engine
422	Upper cowling	RH engine
413	Lower cowling	LH engine
423	Lower cowling	RH engine

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the pylon	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Pylon

I. Preparation

SUBTASK 841-002-A

WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN AMM MPP 71-00-00/200 TO PREVENT INJURY TO PERSONS AND DAMAGE TO MATERIAL.



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- (1) On the circuit breaker panel, open the circuit breakers below and attach a DO-NOT-CLOSE tag to them.
 - START 1/2.
 - POWERPLANT FIRE DET 1/2.
- (2) Put the workstand in the work area.
- (3) Remove the upper cowling ([AMM TASK 71-11-01-000-801-A/400](#)) to get access to the pylon fire detector.

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

SUBTASK 020-002-A

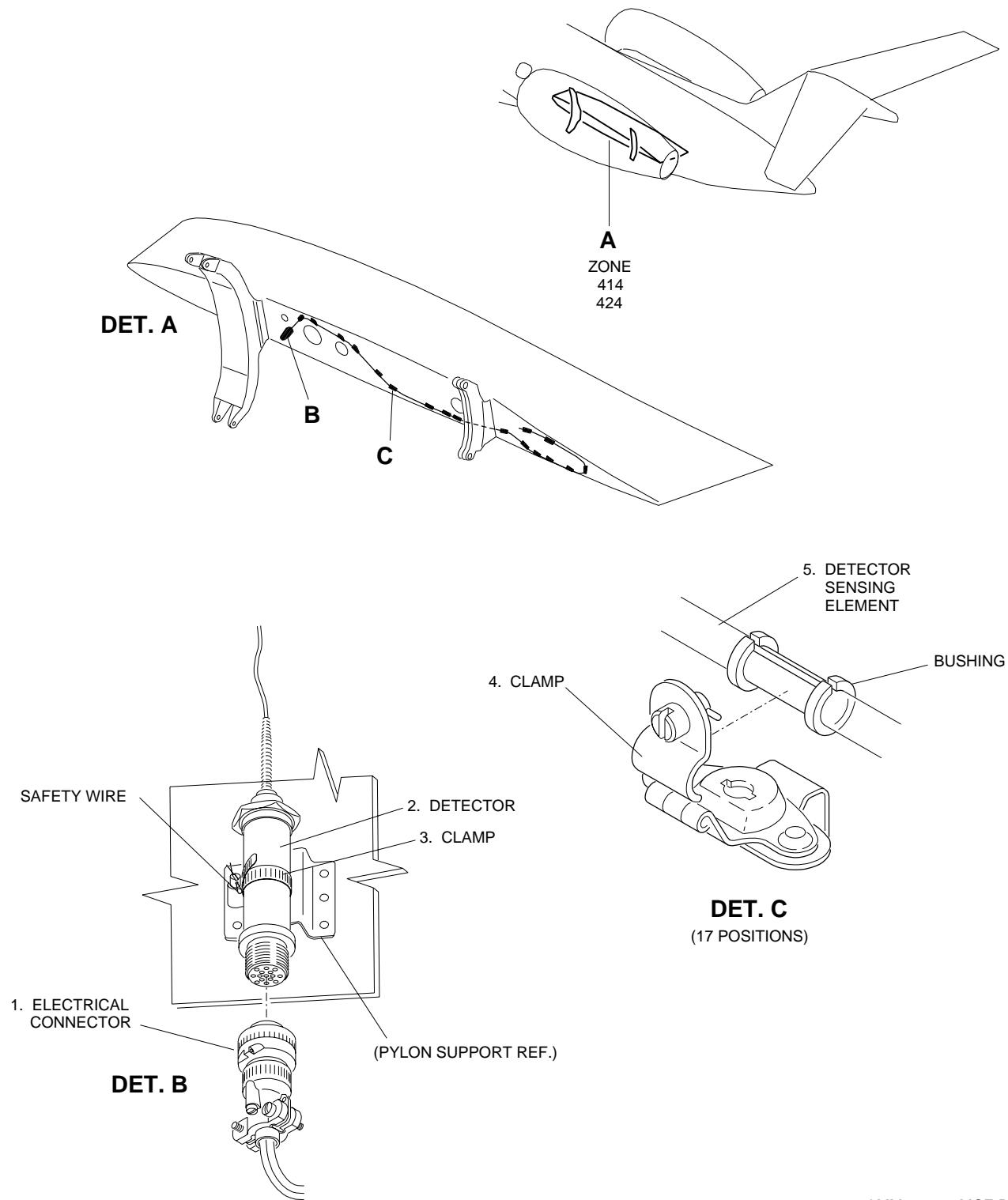
CAUTION: DURING THE REMOVAL PROCEDURE, IF THE DETECTOR IS IN CONDITION TO BE USED AGAIN, BE CAREFUL NOT TO CAUSE DAMAGE OR SHARP BENDS TO IT.

- (1) Disconnect the electrical connector (1) from the detector (2).
- (2) Release the Dzus fastener from the sensing element (5).
- (3) Cut the lockwire and remove the clamp (3) which attaches the detector (2) to the support in the pylon.
- (4) Remove the detector (2) and sensing element (5) from the pylon.
- (5) Install protection caps to the disconnected points.

EFFECTIVITY: ALL

Pylon Fire Detector - Removal/Installation

Figure 401



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TASK 26-11-02-400-801-A

EFFECTIVITY: ALL

3. PYLON FIRE DETECTOR - INSTALLATION

A. General

(1) This task is applicable to the LH and RH pylons.

B. References

REFERENCE	DESIGNATION
AMM MPP 71-00-00/200	- MAINTENANCE PRACTICES
AMM TASK 26-10-00-700-801-A/500	-
AMM TASK 26-10-00-700-802-A/500	-
AMM TASK 71-11-01-400-801-A/400	ENGINE UPPER COWLING - INSTALLATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
412	Upper cowling	LH engine
422	Upper cowling	RH engine
413	Lower cowling	LH engine
423	Lower cowling	RH engine

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Workstand	To get access to the pylon	1

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MS20995C20	Lockwire	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Pylon



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I. Installation (Figure 401)

SUBTASK 420-002-A

WARNING: BEFORE YOU DO THE TASK, OBEY THE SAFETY PRECAUTIONS GIVEN IN AMM MPP 71-00-00/200 TO PREVENT INJURY TO PERSONS AND DAMAGE TO MATERIAL.

CAUTION: THE SENSING ELEMENT MUST NOT DIRECTLY TOUCH A PYLON 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 the pylon.
- (3) Attach the detector (2) to the pylon support with the clamp (3) and safety it.
- (4) Attach the sensing element (5) to the clamps (4) with the Dzus fastener.
- (5) Connect the electrical connector (1) to the detector (2).

J. Follow-on

SUBTASK 842-002-A

- (1) Install the upper cowling ([AMM TASK 71-11-01-400-801-A/400](#)).
- (2) Remove the workstand.
- (3) On the circuit breaker panel, close the circuit breakers below and remove the DO-NOT-CLOSE tag from them:
 - START 1/2.
 - POWERPLANT FIRE DET 1/2.
- (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.