



AIRCRAFT MAINTENANCE MANUAL

FIRE PANEL - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-145

1. General

- A. This section gives the procedures to remove/install the fire panel.
- 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
26-00-01-000-801-A	FIRE PANEL - REMOVAL	AIRCRAFT WITH CLASS-D BAGGAGE COMPARTMENT
26-00-01-400-801-A	FIRE PANEL - INSTALLATION	AIRCRAFT WITH CLASS-D BAGGAGE COMPARTMENT
26-00-01-000-802-A	FIRE PANEL - REMOVAL	AIRCRAFT WITH CLASS-C BAGGAGE COMPARTMENT
26-00-01-400-802-A	FIRE PANEL - INSTALLATION	AIRCRAFT WITH CLASS-C BAGGAGE COMPARTMENT



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TASK 26-00-01-000-801-A

EFFECTIVITY: AIRCRAFT WITH CLASS-D BAGGAGE COMPARTMENT

2. FIRE PANEL - REMOVAL

A. General

- (1) This task gives the procedures to remove the fire panel.

B. Zones and Accesses

Not Applicable

C. Tools and Equipment

Not Applicable

D. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Protective caps	For protection of the electrical connectors	2

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Cockpit

H. Preparation

SUBTASK 841-012-A

- (1) On the circuit breaker panel, open these circuit breakers and attach a DO-NOT-CLOSE tag to them:
- ENG 1 FIRE DETECTION.
 - ENG 2 FIRE DETECTION.
 - APU FIRE EXTG.

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

SUBTASK 020-007-A

- (1) Loosen the Dzus fasteners (5) which attach the fire panel (4) to the panel (1).
- (2) Carefully pull the fire panel (4) from its housing to get access to the electrical connectors (2) and (3).

CAUTION: BE CAREFUL WHEN YOU REMOVE THE ELECTRICAL CONNECTOR TO PREVENT DAMAGE TO THE ELECTRICAL PINS.



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- (3) Hold the fire panel (4) and disconnect the electrical connector (3) from the electrical connector (2).

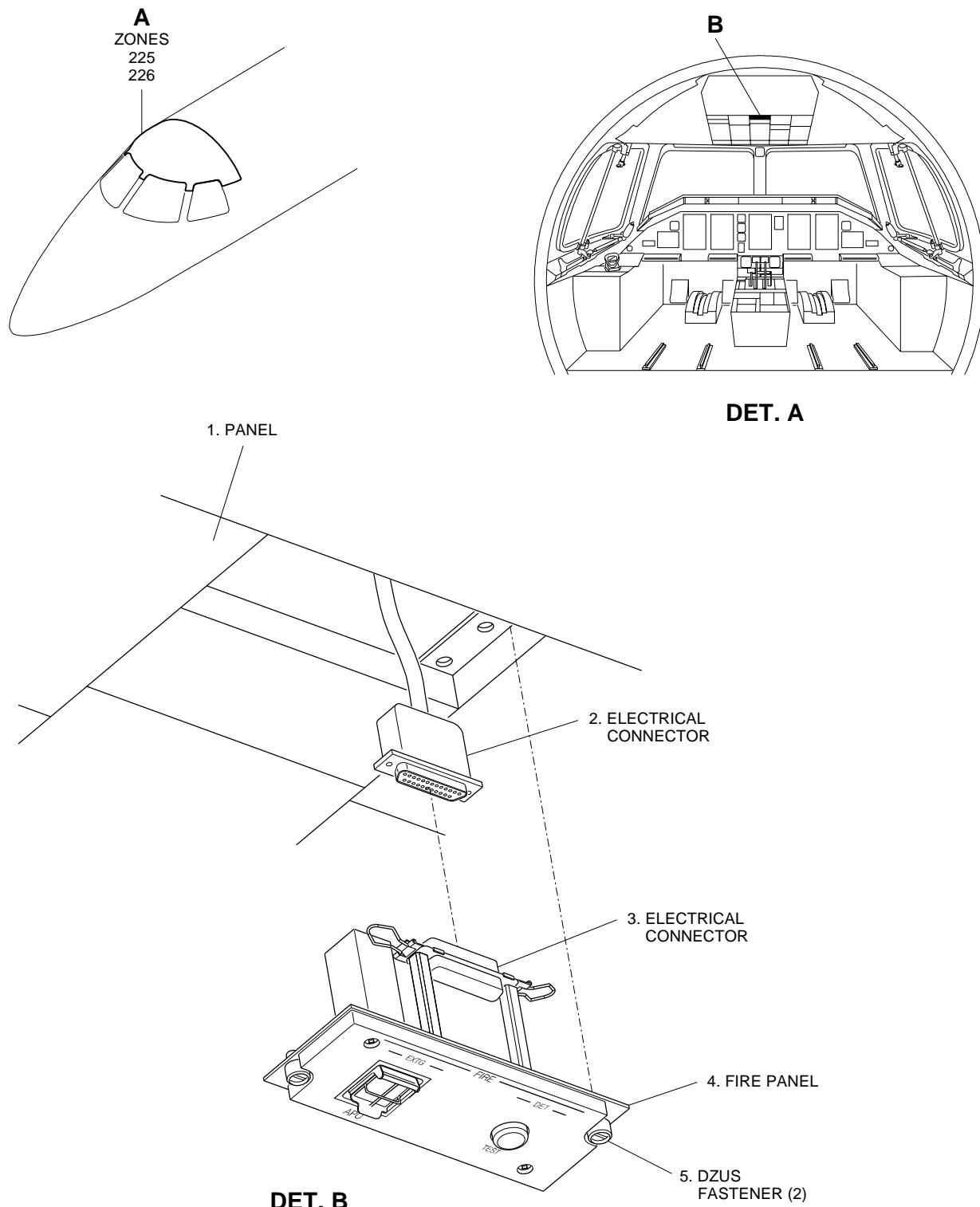
CAUTION: INSTALL PROTECTIVE CAPS ON THE ELECTRICAL CONNECTORS TO PREVENT ELECTROSTATIC DISCHARGE (ESD) AT THE ELECTRICAL PINS.

- (4) Install protective caps on the electrical connectors (2) and (3).

EFFECTIVITY: AIRCRAFT WITH CLASS-D BAGGAGE COMPARTMENT

Fire Panel - Removal/Installation

Figure 401



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TASK 26-00-01-400-801-A

EFFECTIVITY: AIRCRAFT WITH CLASS-D BAGGAGE COMPARTMENT

3. FIRE PANEL - INSTALLATION

A. General

- (1) This task gives the procedures to install the fire panel.

B. References

REFERENCE	DESIGNATION
AMM TASK 26-10-00-700-801-A/500	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Cockpit

I. Preparation

SUBTASK 841-013-A

- (1) Make sure that these circuit breakers are open:

- ENG 1 FIRE DETECTION.
- ENG 2 FIRE DETECTION.
- APU FIRE EXTG.

J. Installation (Figure 401)

SUBTASK 420-007-A

- (1) Remove the protective caps from the electrical connectors (3) and (2).

CAUTION: YOU MUST ALIGN THE ELECTRICAL CONNECTOR PLUG WITH THE ELECTRICAL CONNECTOR PINS BEFORE YOU INSTALL THE ELECTRICAL CONNECTOR. IF NOT, DAMAGE TO THE ELECTRICAL CONNECTOR AND/OR PINS CAN OCCUR.



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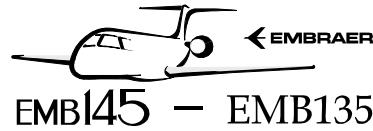
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- (2) Hold the fire panel (4) and connect the electrical connector (3) to the electrical connector (2).
- (3) Carefully put the fire panel (4) in position.
- (4) Tighten the Dzus fasteners (5) to attach the fire panel (4) to the panel (1).

K. Follow-on

SUBTASK 842-007-A

- (1) On the circuit breaker panel, close these circuit breakers and remove the DO-NOT-CLOSE tag from them:
 - ENG 1 FIRE DETECTION.
 - ENG 2 FIRE DETECTION
 - APU FIRE EXTG
- (2) Do the Fire Detection System - Operational Check (AMM TASK 26-10-00-700-801-A/500).



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TASK 26-00-01-000-802-A

EFFECTIVITY: AIRCRAFT WITH CLASS-C BAGGAGE COMPARTMENT

4. FIRE PANEL - REMOVAL

A. General

- (1) This task gives the procedures to remove the fire panel.

B. Zones and Accesses

Not Applicable

C. Tools and Equipment

Not Applicable

D. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Protective caps	For protection of the electrical connectors	2

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Cockpit

H. Preparation

SUBTASK 841-014-A

- (1) On the circuit breaker panel, open these circuit breakers and attach a DO-NOT-CLOSE tag to them:

- ENG 1 FIRE DETECTION.
- ENG 2 FIRE DETECTION.
- BAGG FIRE EXTG.
- APU FIRE DETECTION.
- APU FIRE EXTG

I. Removal ([Figure 402](#))

SUBTASK 020-008-A

- (1) Loosen the Dzus fasteners (5) which attach the fire panel (4) to the panel (1).
- (2) Carefully pull the fire panel (4) from its housing to get access to the electrical connectors (2) and (3).



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CAUTION: BE CAREFUL WHEN YOU REMOVE THE ELECTRICAL CONNECTOR TO PREVENT DAMAGE TO THE ELECTRICAL PINS.

- (3) Hold the fire panel (4) and disconnect the electrical connector (3) from the electrical connector (2).

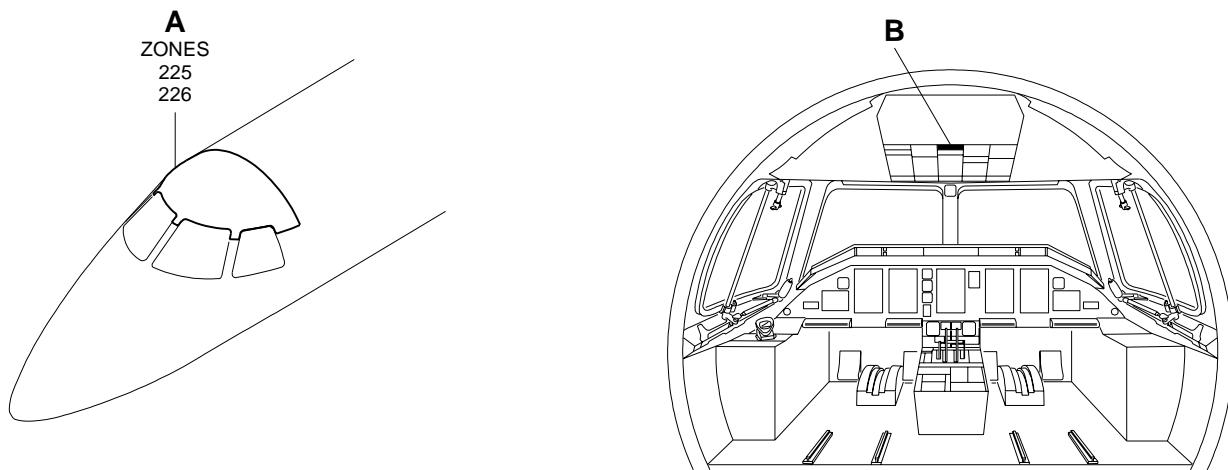
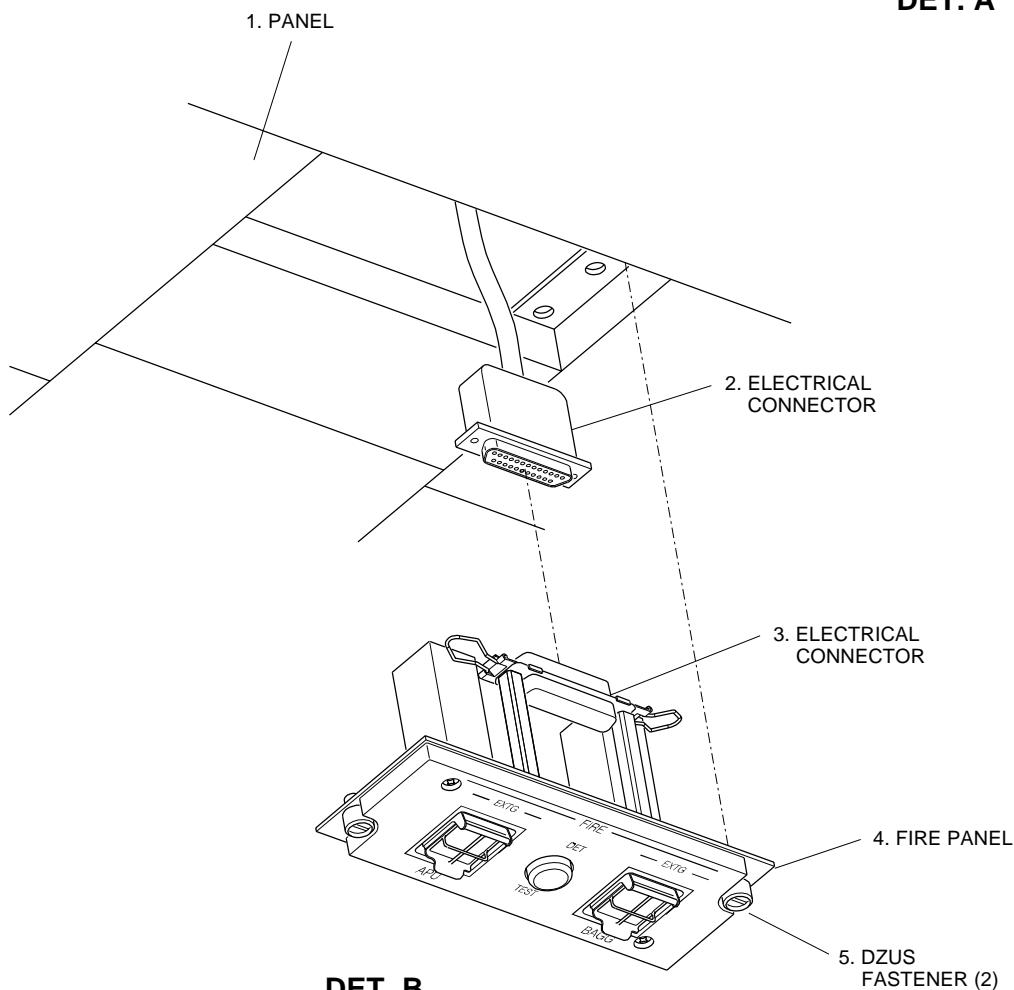
CAUTION: INSTALL PROTECTIVE CAPS ON THE ELECTRICAL CONNECTORS TO PREVENT ELECTROSTATIC DISCHARGE (ESD) TO THE ELECTRICAL PINS.

- (4) Install protective caps on the electrical connectors (2) and (3).

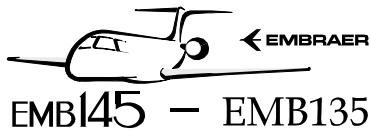
EFFECTIVITY: AIRCRAFT WITH CLASS-C BAGGAGE COMPARTMENT

Fire Panel - Removal/Installation

Figure 402


DET. A

DET. B

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TASK 26-00-01-400-802-A

EFFECTIVITY: AIRCRAFT WITH CLASS-C BAGGAGE COMPARTMENT

5. FIRE PANEL - INSTALLATION

A. General

- (1) This task gives the procedures to install the fire panel.

B. References

REFERENCE	DESIGNATION
AMM TASK 26-10-00-700-802-A/500	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Cockpit

I. Preparation

SUBTASK 841-015-A

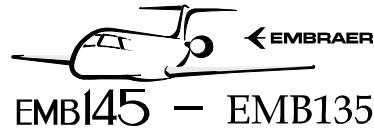
- (1) Make sure that these circuit breakers are open:

- ENG 1 FIRE DETECTION.
- ENG 2 FIRE DETECTION.
- BAGG FIRE EXTG.
- APU FIRE DETECTION.
- APU FIRE EXTG.

J. Installation (Figure 402)

SUBTASK 420-008-A

- (1) Remove the protective caps from the electrical connectors (3) and (2).



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CAUTION: YOU MUST ALIGN THE ELECTRICAL CONNECTOR PLUG WITH THE ELECTRICAL CONNECTOR PINS BEFORE YOU INSTALL THE ELECTRICAL CONNECTOR. IF NOT, DAMAGE TO THE ELECTRICAL CONNECTOR AND/OR PINS CAN OCCUR.

- (2) Hold the fire panel (4) and connect the electrical connector (3) to the electrical connector (2).
- (3) Carefully put the fire panel (4) in position.
- (4) Tighten the Dzus fasteners (5) to attach the fire panel (4) to the panel (1).

K. Follow-on

SUBTASK 842-008-A

- (1) On the circuit breaker panel, close these circuit breakers and remove the DO-NOT-CLOSE tag from them:
 - ENG 1 FIRE DETECTION.
 - ENG 2 FIRE DETECTION.
 - BAGG FIRE EXTG.
 - APU FIRE DETECTION.
 - APU FIRE EXTG.
- (2) Do the Fire Detection System - Operational Check (AMM TASK 26-10-00-700-802-A/500).

