



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

CARGO SMOKE DETECTOR - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-145

1. General

- A. This section gives the procedures for the removal/installation of the cargo smoke detectors.
- 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
26-15-01-000-801-A	CARGO SMOKE DETECTOR - REMOVAL	ACFT MODEL(S) EMB-145
26-15-01-400-801-A	CARGO SMOKE DETECTOR - INSTALLA- TION	ACFT MODEL(S) EMB-145



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TASK 26-15-01-000-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

2. CARGO SMOKE DETECTOR - REMOVAL

A. General

- (1) This task gives the procedures for the removal of the cargo smoke detectors.

B. Zones and Accesses

Not Applicable

C. Tools and Equipment

Not Applicable

D. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
1	Rubber gloves	Electrical insulation	AR

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Baggage compartment

H. Preparation

SUBTASK 841-005-B

- (1) On the circuit breaker panel, open the "BAGGAGE SMOKE DET" circuit breaker and attach a "DO-NOT-CLOSE" tag to it.

I. Removal (JAMCO - Made) ([Figure 401](#))

SUBTASK 020-006-B

EFFECTIVITY: BAGGAGE COMPARTMENT WITH JAMCO SMOKE DETECTORS

- (1) Remove the bolts (1).

- (2) Remove the cover assembly case (2).

NOTE: It is necessary to push the two locks (DET. C) to remove the cover assembly case (2).

- (3) Remove the bolts (3).

- (4) Remove the detector case (4).

- (5) Remove the electrical connector (5) from the detector case (4).



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- (6) Remove the bracket (6) from the liner (REF.).

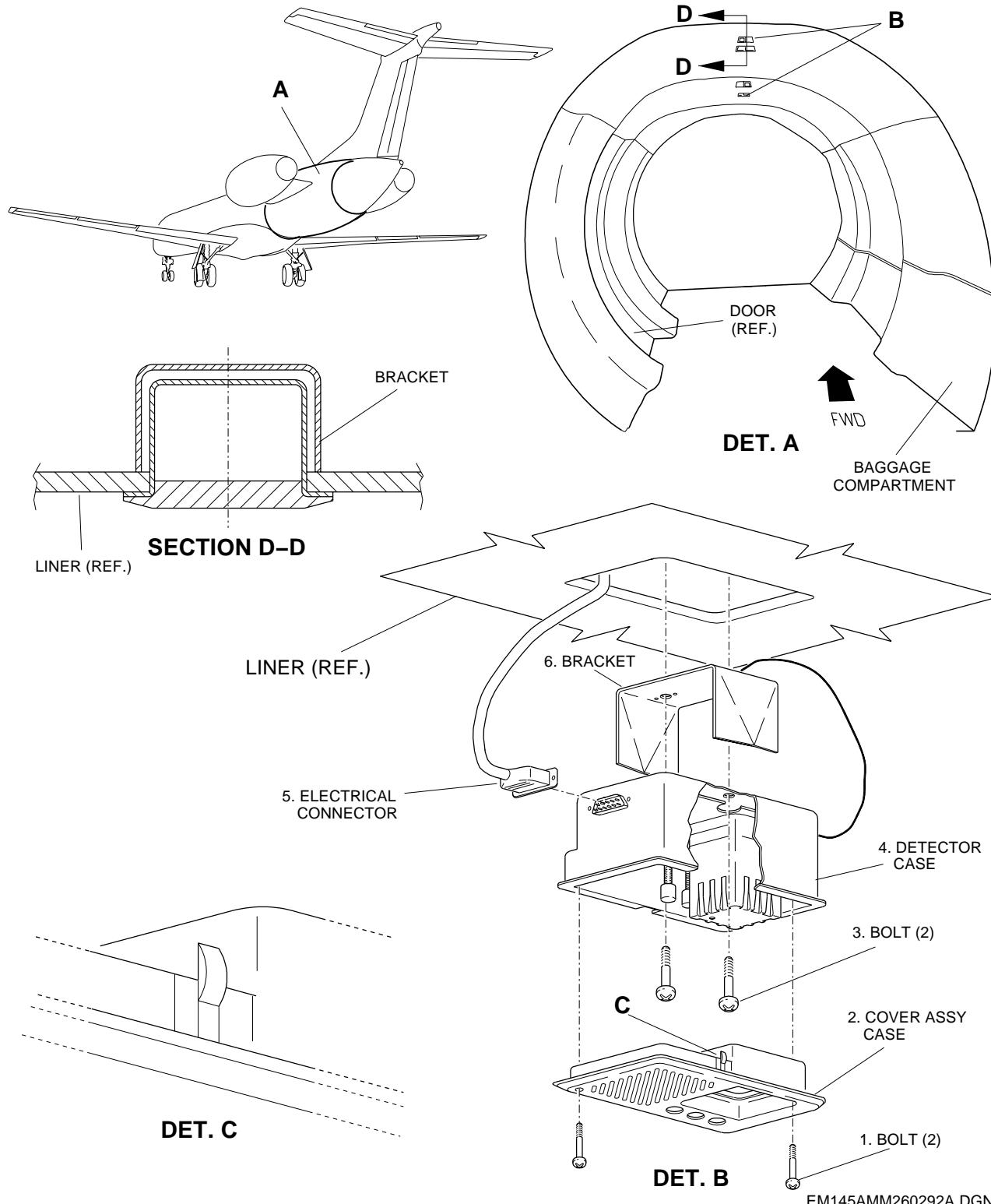
J. Removal (WALTER KIDDE AEROSPACE - Made) ([Figure 402](#))

SUBTASK 020-007-A

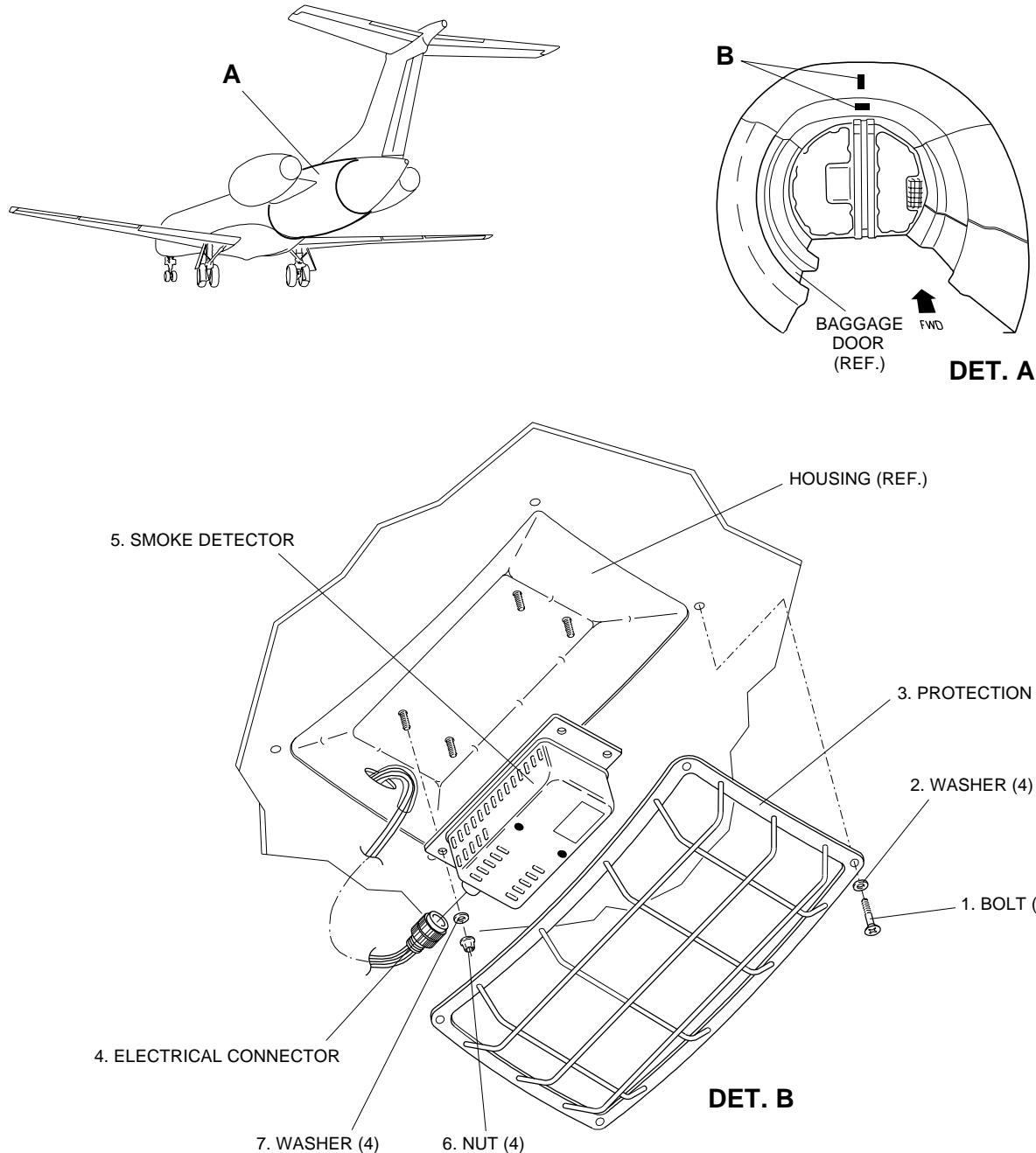
EFFECTIVITY: BAGGAGE COMPARTMENT WITH WALTER KIDDE AEROSPACE SMOKE DETECTORS

- (1) Remove the bolts (1) and washers (2) that attach the protection bar (3) to the detector housing (REF.).
- (2) Remove the protection bar (3).
- (3) Remove the electrical connector (4) from the smoke detector (5).
- (4) Remove the nut (6) and washers (7) that attach the smoke detector (5) into the housing (REF.).
- (5) Remove the smoke detector (5) from the housing (REF.).

EFFECTIVITY: JAMCO SMOKE DETECTOR
Cargo Smoke Detector - Removal/Installation
Figure 401



EFFECTIVITY: WALTER KIDDE AEROSPACE SMOKE DETECTOR
Cargo Smoke Detector - Removal/Installation
Figure 402



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TASK 26-15-01-400-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

3. CARGO SMOKE DETECTOR - INSTALLATION

A. General

- (1) This task gives the procedures for the installation of the cargo smoke detectors.

B. References

REFERENCE	DESIGNATION
AMM TASK 26-15-00-700-801-A/500	-
AMM TASK 26-15-00-700-802-A/500	-
AMM TASK 26-15-00-700-803-A/500	-
AMM TASK 26-15-00-700-804-A/500	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
1	Rubber Gloves	Electrical insulation	AR

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Baggage compartment

I. Installation (JAMCO - Made) (Figure 401)

SUBTASK 420-006-B

EFFECTIVITY: BAGGAGE COMPARTMENT WITH JAMCO SMOKE DETECTORS

- (1) Install the bolts (3) through the detector case (4) on the bracket (6) only at the beginning of its threads.

NOTE: Do the complete installation of the bolts (3) after the cover is installed at the cargo baggage liner.

- (2) Install the electrical connector (5) at the detector case (4).



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- (3) Install the detector case (4) and bracket (6) at the liner (SECTION D-D), until the bracket (6) is fully up in the liner (REF.). Then, fully install the bolts (3).

- (4) Install the cover assembly case (2) and the bolts (1).

NOTE: The two locks (DET. C) must mate before the installation of the bolts (1).

J. Installation (WALTER KIDDE AEROSPACE - Made) (Figure 402)

SUBTASK 420-007-A

EFFECTIVITY: BAGGAGE COMPARTMENT WITH WALTER KIDDE AEROSPACE SMOKE DETECTORS

- (1) Position the smoke detector (5) into the housing (REF.).
- (2) Install the nut (6) and washers (7) that attach the smoke detector into the housing (REF.).
- (3) Install the electrical connector (4) to the smoke detector (5).
- (4) Position the protection bar (3).
- (5) Install the bolts (1) and washers (2) that attach the protection bar (3) to the smoke detector housing (REF.).

K. Follow-on

SUBTASK 842-005-B

- (1) Remove the "DO-NOT-CLOSE" tag and close the "BAGGAGE SMOKE DET" circuit breaker.
- (2) (For JAMCO smoke detector) Do the Baggage Smoke Detection System Operational Test (AMM TASK 26-15-00-700-801-A/500) or (AMM TASK 26-15-00-700-803-A/500), as applicable.
- (3) (For WALTER KIDDE smoke detector) Do the Baggage Smoke Detection System Operational Test (AMM TASK 26-15-00-700-802-A/500) or (AMM TASK 26-15-00-700-804-A/500), as applicable.

