



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

BAGGAGE SMOKE DETECTION SYSTEM - ADJUSTMENT/TEST

EFFECTIVITY: ACFT MODEL(S) EMB-135

1. General

- A. This section gives the procedures to do the check of the baggage smoke detection system.
- 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
26-15-00-700-804-A ♦	BAGGAGE COMPARTMENT SMOKE DETECTION SYSTEM - OPERATIONAL TEST	ACFT MODEL(S) EMB-135



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TASK 26-15-00-700-804-A

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2. BAGGAGE COMPARTMENT SMOKE DETECTION SYSTEM - OPERATIONAL TEST

A. General

- (1) To do the procedure, obey the instructions in the paragraphs below.

B. References

REFERENCE	DESIGNATION
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
220		Cockpit
270		Baggage compartment

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
1	Does the task	Baggage compartment

I. Preparation

SUBTASK 841-018-B

- (1) Make sure that the aircraft is safe for maintenance.
- (2) Energize the aircraft with a DC Power Supply ([AMM TASK 20-40-01-860-801-A/200](#)).

J. Operationally Check Baggage Smoke Detection System (Figure 501)

SUBTASK 710-014-B

- (1) Make sure that the BAGG SMOKE warning message is out of view on the EICAS display and that the BAGG FIRE EXTG switch light is off.



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NOTE: If the BAGG EXTG switch comes on with the energization of the aircraft, push the FIRE TEST switch for three seconds at least, and then release it to cause the switch light to go off.

- (2) Do the check as follows:

NOTE: When the FIRE TEST switch is pushed for more than 10 seconds while the APU is in operation, the APU stops.

- (a) Push the FIRE TEST switch and hold it for at least two seconds.

- 1 The EICAS display shows the BAGG SMOKE (Warning) message.
- 2 The BAGG EXTG switch comes on.
- 3 The Warning/Caution lights flash.
- 4 The aural warning operates (Bell).
- 5 The baggage compartment fan is off.

NOTE: When the baggage-compartment fan is off, the check valve stays closed, as shown in [Figure 501](#).

- 6 The maintenance LED on both smoke detectors comes on.

- (b) Release the FIRE TEST switch.

- 1 The BAGG SMOKE message goes out of view on the EICAS display:
- 2 The BAGG EXTG switch light goes off.

NOTE: If the BAGG EXTG switch stays on after releasing the FIRE TEST switch, push gain the FIRE TEST switch for three seconds at least, and then release it to cause the switch light to go off.

- 3 The baggage compartment fan starts to operate again.

NOTE: When the baggage-compartment fan is on, the check valve stays open and permits you to see the movement of the fan blades, as shown in [Figure 501](#).

- 4 The maintenance LED on both smoke detectors comes off.

- (3) Push one of the master warning lights to stop the lights.

NOTE: If it is necessary to do the test again, wait 6 seconds for the system to reset.

K. Follow-on

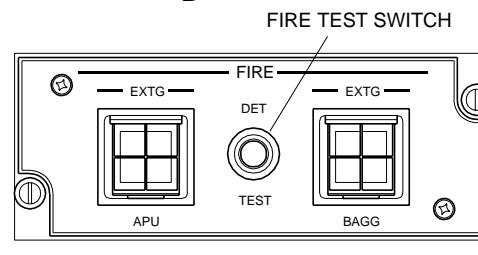
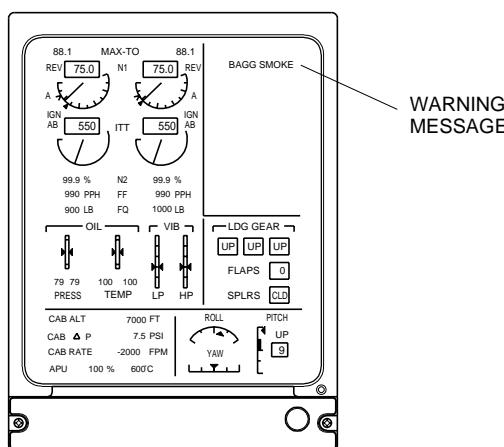
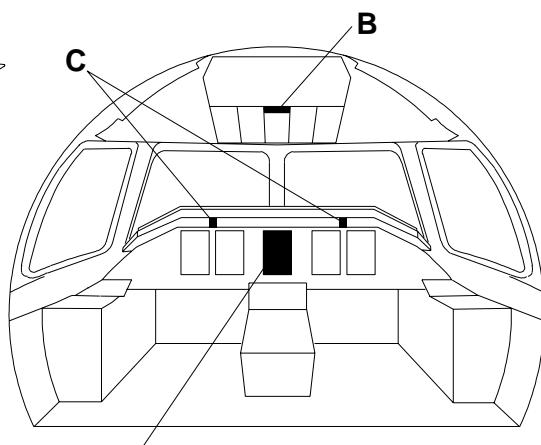
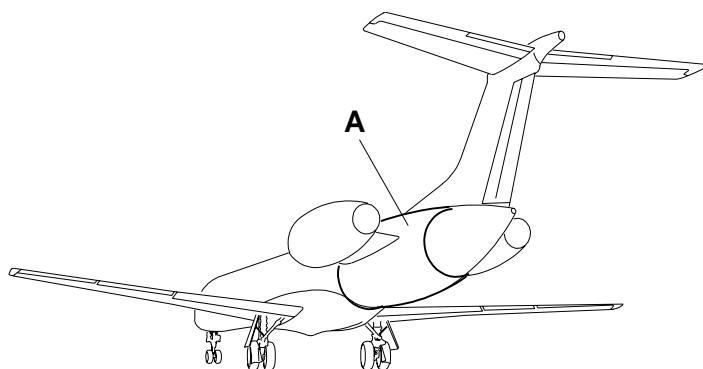
SUBTASK 842-018-B

- (1) Deenergize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).

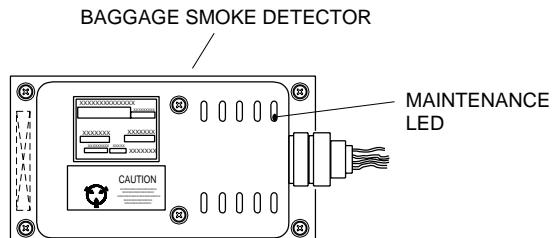
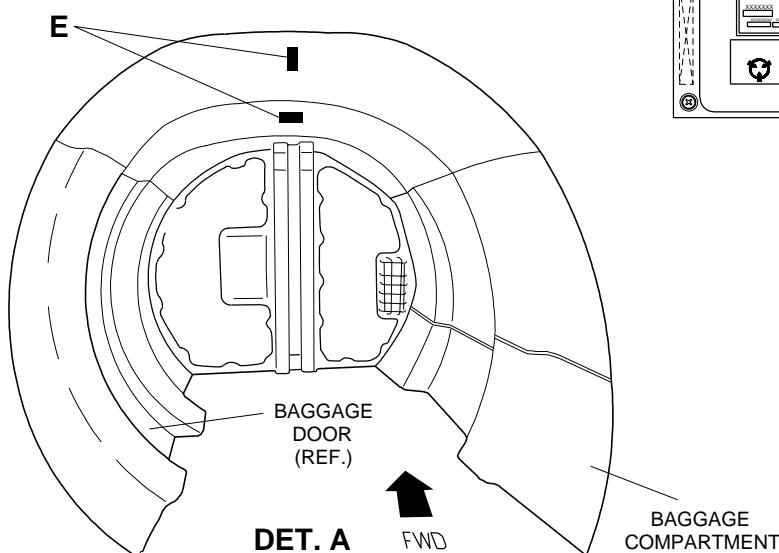
EFFECTIVITY: ACFT MODEL(S) EMB-135

Baggage Compartment Smoke Detection System - Component Locations

Figure 501 - Sheet 1



DET. D

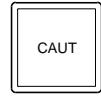


DET. E

MASTER WARNING LIGHT



MASTER CAUTION LIGHT

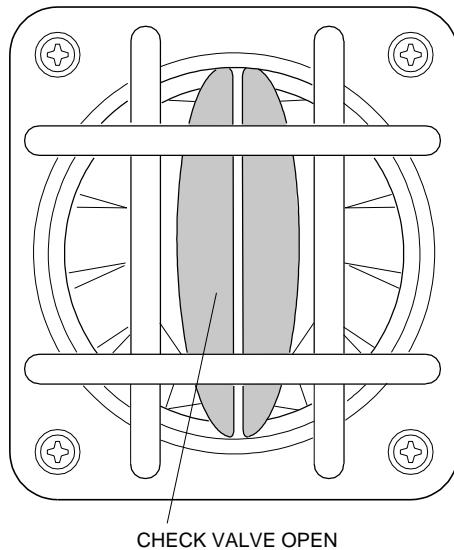
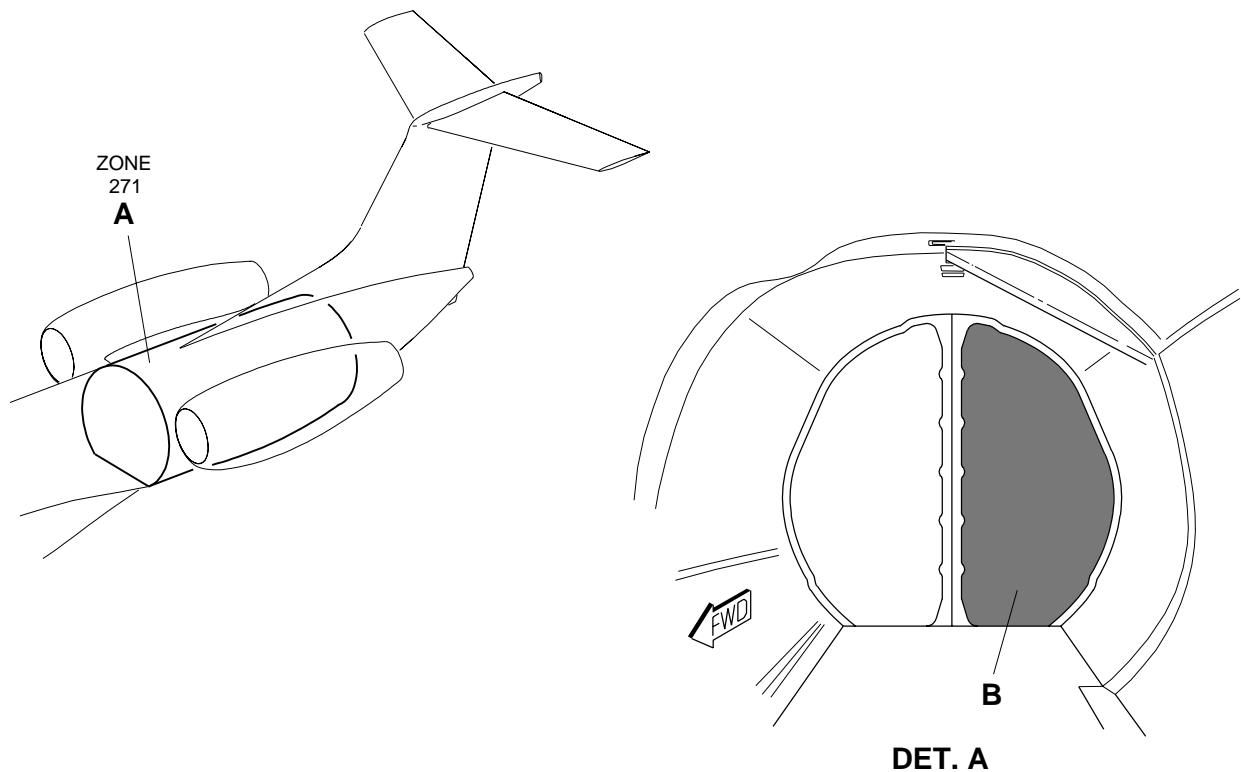


DET. C

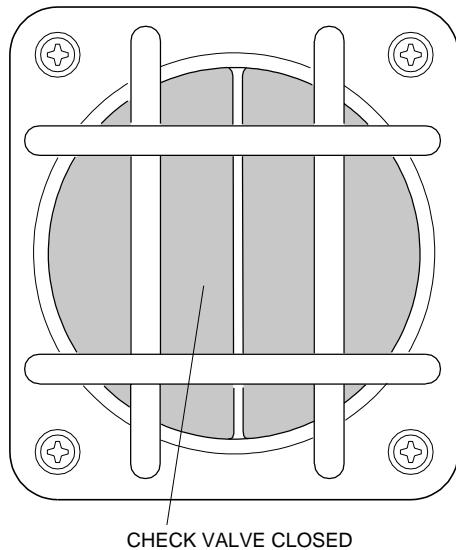
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Baggage Compartment Smoke Detection System - Component Locations

Figure 501 - Sheet 2



DET. B



DET. B

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