



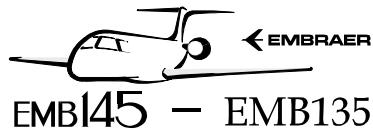
EVM BOX - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures for the EVM operational test.
- B. The EVM operational test switch is installed on the maintenance panel, behind the pilot seat.
- C. 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 |
|--------------------|------------------------|-------------|
| 77-41-03-700-801-A | EVM - OPERATIONAL TEST | ALL |



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 77-41-03-700-801-A

EFFECTIVITY: ALL

2. EVM - OPERATIONAL TEST

A. General

- (1) Do the EVM operational test after the EVM installation or when it is necessary to make sure that its operation is correct.

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

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 841-002-A

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

J. Operational Test ([Figure 501](#))

SUBTASK 710-002-A

- (1) Do the operational test as follows:

- (a) Set the EVM test switch (on the maintenance panel) to the "TEST" position, and hold the switch in this position for a minimum of four seconds.

Result:

- 1 The engines LP and HP vibration pointers, on the EICAS, move from the bottom to the center of the vertical scale and then to the top. Then, it moves back to the bottom again.



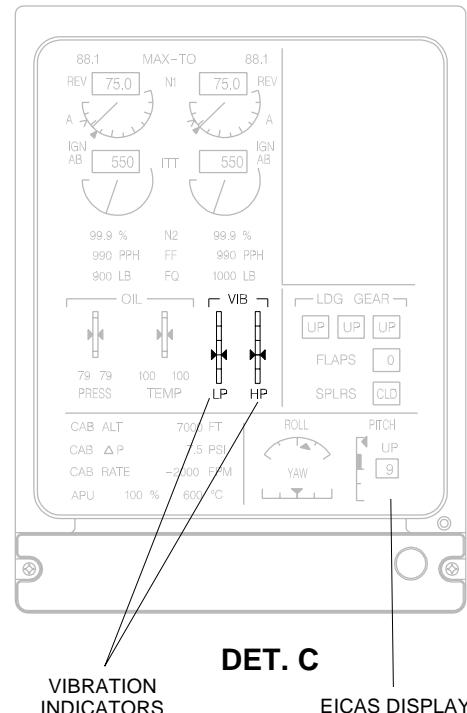
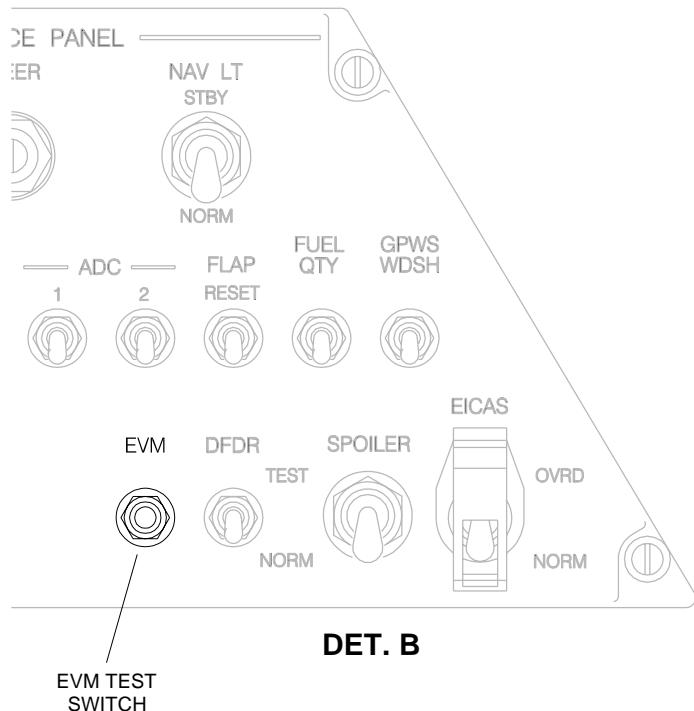
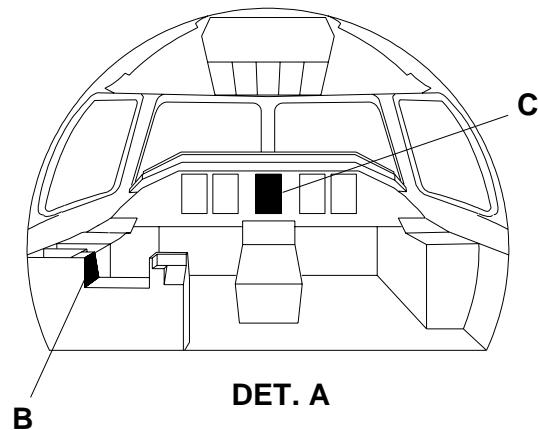
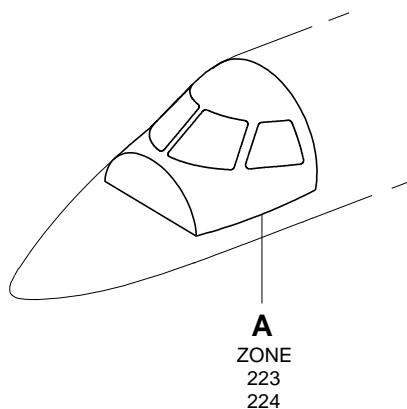
AIRCRAFT MAINTENANCE MANUAL

- (2) When the EVM finds an internal failure, it does not give the output signal for indication.
If that occurs, the vibration pointers on the EICAS will stay at zero.

K. Follow-on

SUBTASK 842-002-A

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

EFFECTIVITY: ALL
EVM Operational Test - Component Locations
Figure 501

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