



AIRCRAFT  
MAINTENANCE MANUAL

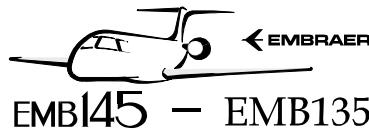
NAVIGATION LIGHTS - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the test of the navigation lights.
- 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
33-43-00-700-801-A	NAVIGATION LIGHTS - OPERATIONAL TEST	ALL



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 33-43-00-700-801-A

EFFECTIVITY: ALL

2. NAVIGATION LIGHTS - OPERATIONAL TEST

A. General

- (1) This task gives the procedures to do the Operational Test of the Navigation Lights.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-03/100	- COMPONENT LOCATION
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 with the External DC Power Supply [AMM TASK 20-40-01-860-801-A/200](#).
- (2) Make sure that the circuit breaker below is closed:  
– NAV LIGHTS (Location tip: DC BUS 1/LIGHTS/NAV).

J. Operationally Test Navigation Lights

SUBTASK 710-002-A

- (1) For aircraft without standby tail navigation lights do the test of the main navigation lights as follows ([Figure 501](#)) ([Figure 502](#)):
- (a) Set the NAV light switch, on the overhead panel, to the ON position.

Result:

- 1 The main LH-wing navigation light, on the left-wing-tip fairing, comes on.
- 2 The main RH-wing navigation light, on the right-wing-tip fairing, comes on.
- 3 The tail navigation lights, on the fin-tip fairing, come on.

- (b) Set the NAV light switch, on the overhead panel, to the OFF position.

Result:

- 1 The main LH-wing navigation light goes off.
- 2 The main RH-wing navigation light goes off.
- 3 The tail navigation lights go off.

- (2) For aircraft with standby tail navigation lights do the test of the main navigation lights as follows ([Figure 501](#)) ([Figure 503](#)):

- (a) Open the access 272BR (AMM MPP 06-41-01/100).

- (b) Make sure that the STBY NAV LT switch, on the ramp hail panel, is in the NORM position.

- (c) Set the NAV light switch, on the overhead panel, to the ON position.

Result:

- 1 The main LH-wing navigation light, on the left-wing-tip fairing, comes on.
- 2 The main RH-wing navigation light, on the right-wing-tip fairing, comes on.
- 3 The tail navigation lights, on the fin-tip fairing, come on.

- (d) Set the NAV light switch, on the overhead panel, to the OFF position.

Result:

- 1 The main LH-wing navigation light goes off.
- 2 The main RH-wing navigation light goes off.
- 3 The tail navigation lights go off.

- (e) Close the access 272BR (AMM MPP 06-41-01/100).

- (3) For aircraft without standby tail navigation lights do the test of the standby navigation lights as follows ([Figure 501](#)) ([Figure 502](#)):

- (a) Get access to the maintenance panel ([AMM MPP 06-41-03/100](#)).

- (b) Set the STBY NAV LT switch, on the maintenance panel, to the STBY position.

- (c) Set the NAV LT switch, on the overhead panel, to the ON position.

Result:

- 1 The standby LH-wing navigation light, on the left-wing-tip fairing, comes on.
- 2 The standby RH-wing navigation light, on the right-wing-tip fairing, comes on.
- 3 The tail navigation lights, on the fin-tip fairing, come on.

- (d) Set the NAV light switch, on the overhead panel, to the OFF position.

Result:

- 1 The standby LH-wing navigation light goes off.
- 2 The standby RH-wing navigation light goes off.

- 3 The tail navigation lights go off.
  - (e) Set the STBY NAV LT switch, on the maintenance panel, to the NORM position.
  - (f) Close the maintenance panel ([AMM MPP 06-41-03/100](#)).
- (4) For aircraft with standby tail navigation lights do the test of the standby navigation lights as follows ([Figure 501](#)) ([Figure 503](#)):
- (a) Get access to the maintenance panel ([AMM MPP 06-41-03/100](#)).
  - (b) Set the STBY NAV LT switch, on the maintenance panel, to the STBY position.
  - (c) Open the access 272BR (AMM MPP 06-41-01/100).
  - (d) Set the STBY NAV LT switch, on the ramp hail panel, to the STBY position.
  - (e) Set the NAV LT switch, on the overhead panel, to the ON position.
- Result:
- 1 The standby LH-wing navigation light, on the left-wing-tip fairing, comes on.
  - 2 The standby RH-wing navigation light, on the right-wing-tip fairing, comes on.
  - 3 The standby tail navigation lights, on the fin-tip fairing, come on.
- (f) Set the NAV light switch, on the overhead panel, to the OFF position.
- Result:
- 1 The standby LH-wing navigation light goes off.
  - 2 The standby RH-wing navigation light goes off.
  - 3 The standby tail navigation lights go off.
- (g) Set the STBY NAV LT switch, on the maintenance panel, to the NORM position.
  - (h) Close the maintenance panel ([AMM MPP 06-41-03/100](#)).
  - (i) Set the STBY NAV LT switch, on the ramp hail panel, to the NORM position.
  - (j) Close the access 272BR (AMM MPP 06-41-01/100).

**K. Follow-on**

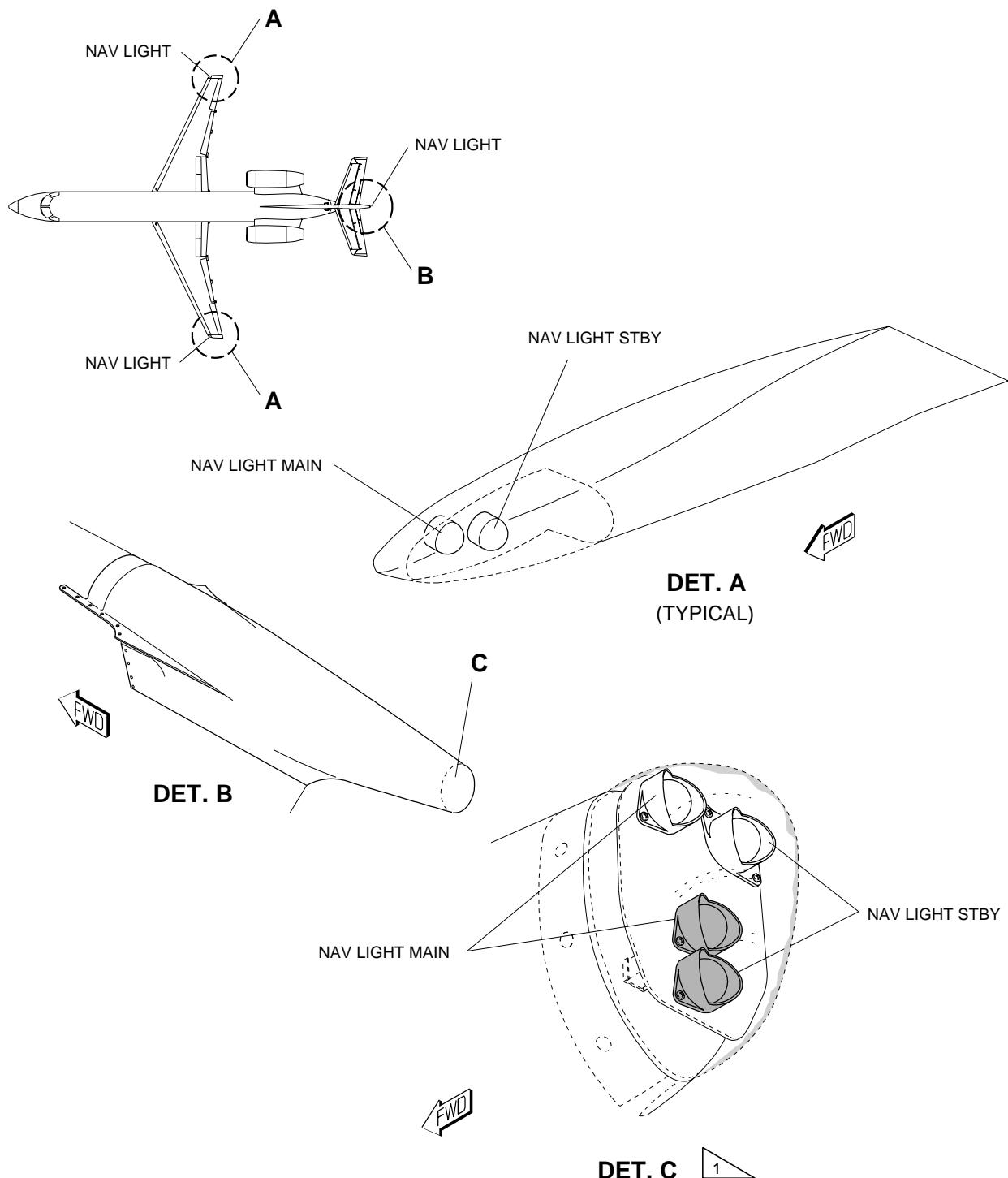
**SUBTASK 842-002-A**

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

**EFFECTIVITY: ALL**

Navigation Lights

Figure 501



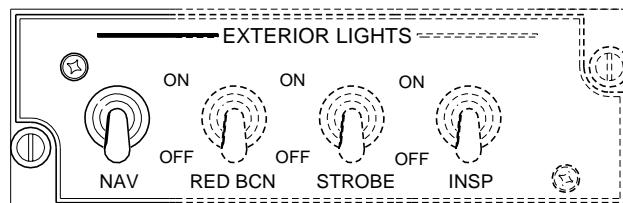
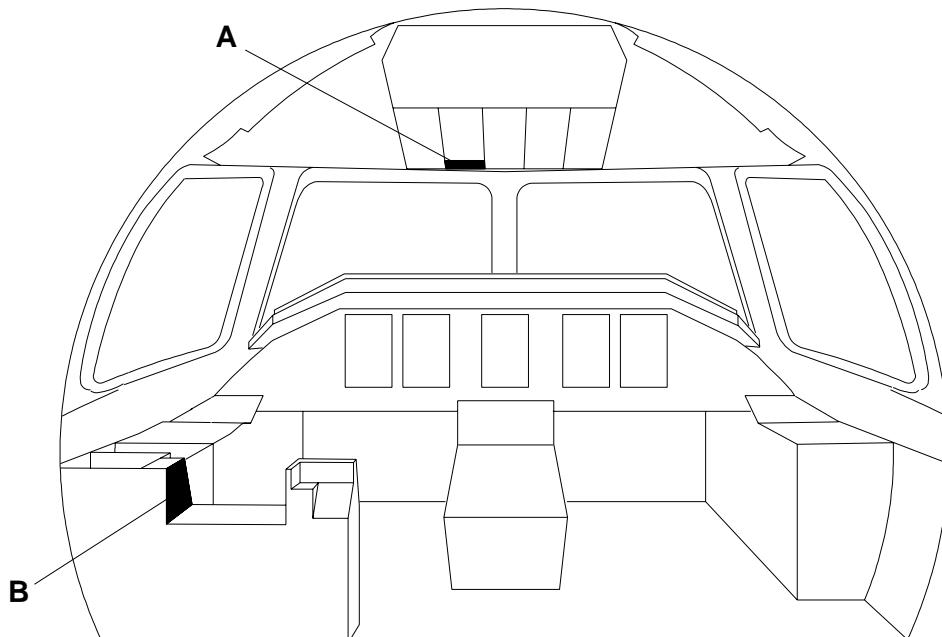
 IF APPLICABLE TO THE AIRCRAFT CONFIGURATION.

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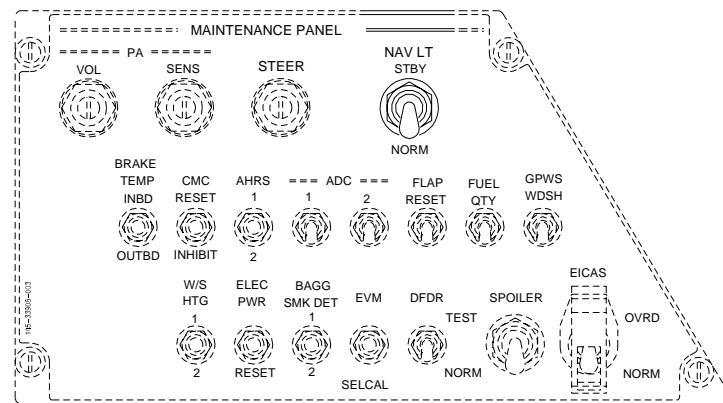
**EFFECTIVITY: FOR AIRCRAFT WITHOUT STANDBY TAIL NAVIGATION LIGHTS**

Navigation Lights Switches

Figure 502



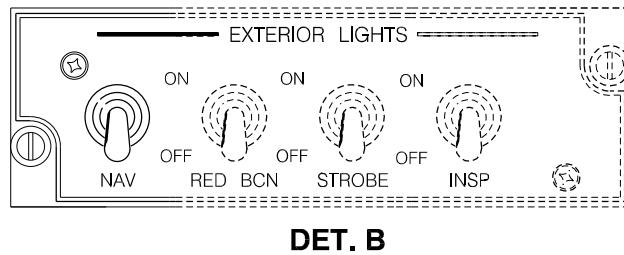
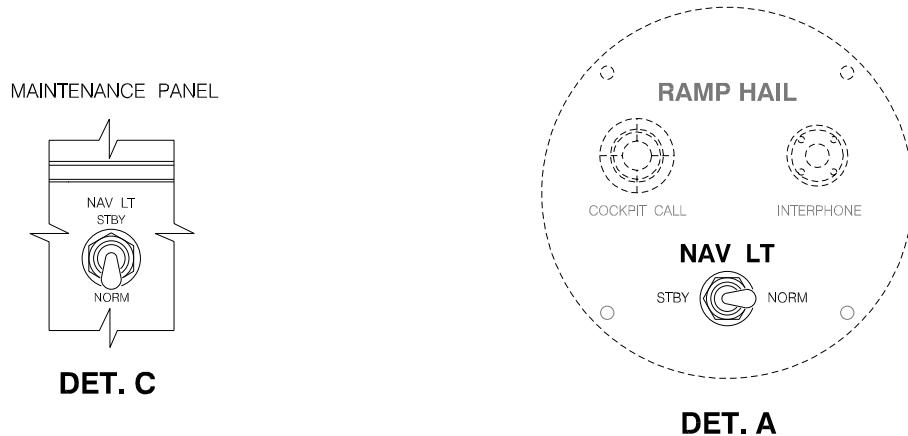
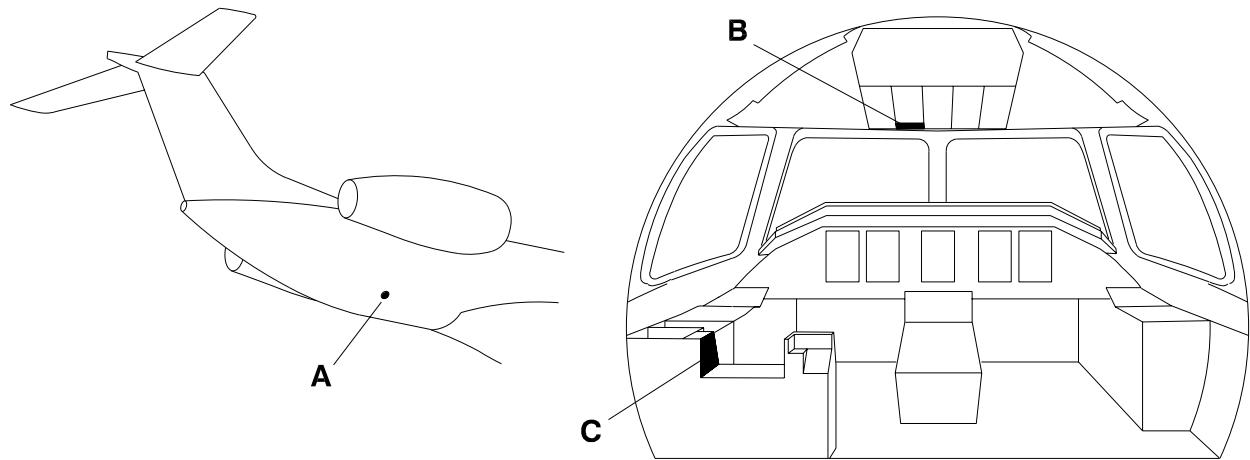
**DET. A**



**DET. B**

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**EFFECTIVITY: FOR AIRCRAFT WITH STANDBY TAIL NAVIGATION LIGHTS**  
**Navigation Lights Switches**  
**Figure 503**



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