



AIRCRAFT
MAINTENANCE MANUAL

COCKPIT LIGHTS - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the test of the Cockpit 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
33-11-00-700-801-A	COCKPIT LIGHTS - OPERATIONAL TEST	ALL



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 33-11-00-700-801-A

EFFECTIVITY: ALL

2. COCKPIT LIGHTS - OPERATIONAL TEST

A. General

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

B. References

REFERENCE	DESIGNATION
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
S.B.145-33-0016	-

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) On the circuit breaker panel make sure that these circuit breakers are closed:
 - DOME Lights (Location tip: ESSENTIAL DC BUS 1/LIGHTS/DOME).
 - COCKPIT READING Light, (Location tip: DC BUS 1/LIGHTS/COCKPIT READING).

J. Operationally Test Cockpit Lights ([Figure 501](#)) ([Figure 502](#)) ([Figure 503](#))

SUBTASK 710-002-A

- (1) Do the test of the pilot and copilot dome light as follows:
 - (a) Set the DOME light switch, on the overhead panel, to the ON position.

Result:

- 1 The pilot and copilot dome lights come on.

- (b) Set the DOME light switch to the OFF position.

Result:

- 1 The pilot and copilot dome lights go off.

- (2) Do the test of the pilot, copilot, and observer reading lights as follows:

- (a) For AIRCRAFT WITH HEAD-UP DISPLAY PRE-MOD. [S.B.145-33-0016](#) push the switch of the pilot reading light.

Result:

- 1 The pilot reading light comes on.

- (b) Push to the other side the switch of the pilot reading light.

Result:

- 1 The pilot reading light goes off.

- (c) For AIRCRAFT WITH HEAD-UP DISPLAY POST-MOD. [S.B.145-33-0016](#) turn the pilot reading light button (knob) clockwise.

Result:

- 1 The pilot reading light comes on and the brightness increases.

- (d) Turn the pilot reading light button (knob) counterclockwise.

Result:

- 1 The pilot reading light brightness decreases.

- (e) Turn the pilot reading light button (knob) fully counterclockwise.

Result:

- 1 The pilot reading light goes off.

- (f) For AIRCRAFT WITHOUT HEAD-UP DISPLAY turn the pilot inner reading light button clockwise, on the left side of the cockpit ceiling.

Result:

- 1 The pilot reading light comes on.

- (g) Turn the pilot inner reading light button counterclockwise.

Result:

- 1 The pilot reading light goes off.

- (h) Turn the copilot inner reading light button clockwise, on the right side of the cockpit ceiling.

Result:

- 1 The copilot reading light comes on.

- (i) Turn the copilot inner reading light button counterclockwise.

Result:

- 1 The copilot reading light goes off.

- (j) Turn the observer inner reading light button clockwise, on the right side of the cockpit ceiling, in the rear.

Result:

- 1 The observer reading light comes on.

- (k) Turn the observer inner reading light button counterclockwise.
Result:
1 The observer reading light goes off.
- (3) Do the test of the pilot and copilot chart-holder light as follows:
- (a) Pull the pilot chart-holder, on the left control yoke.
Result:
1 The pilot chart-holder light comes on.
- (b) Turn the pilot chart-holder rotatory switch, on the glareshield panel, clockwise.
Result:
1 The brightness of the pilot chart-holder light increase proportionally.
- (c) Turn the pilot chart-holder rotatory switch, on the glareshield panel, counterclockwise.
Result:
1 The brightness of the pilot chart-holder light decrease proportionally.
- (d) Push the pilot-chart holder.
Result:
1 The pilot chart holder light goes off.
- (e) Pull the copilot chart-holder, on the right control yoke.
Result:
1 The copilot chart-holder light comes on.
- (f) Turn the copilot chart-holder rotatory switch, on the glareshield panel, clockwise.
Result:
1 The brightness of the copilot chart-holder light increase proportionally.
- (g) Turn the copilot chart-holder rotatory switch, on the glareshield panel, counterclockwise.
Result:
1 The brightness of the copilot chart-holder light decrease proportionally.
- (h) Push the copilot chart-holder.
Result:
1 The copilot chart-holder light goes off.

K. Follow-on

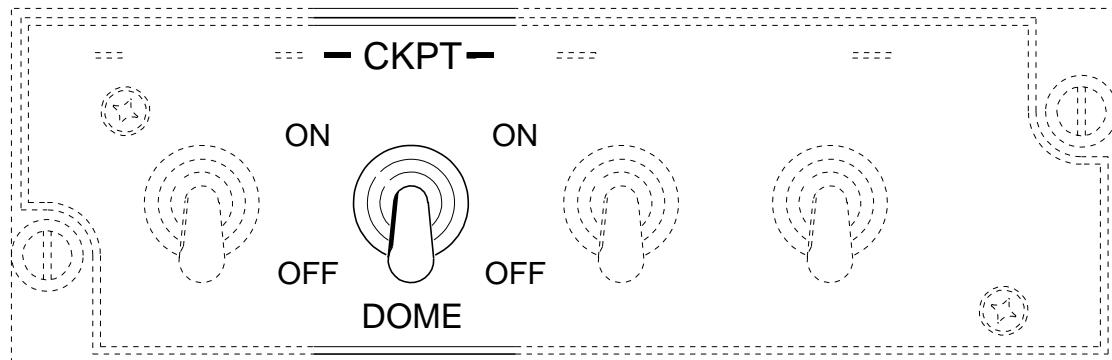
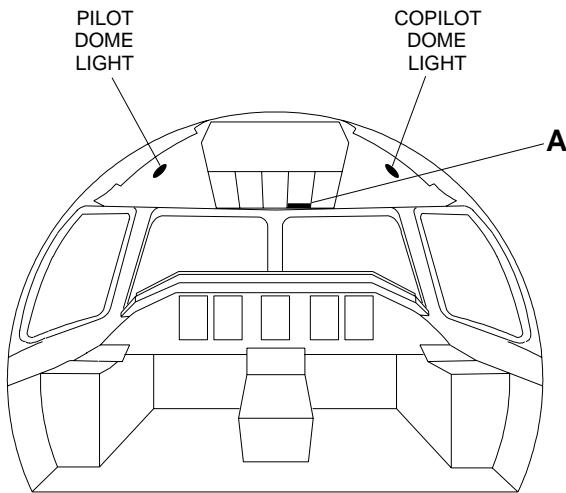
SUBTASK 842-002-A

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

EFFECTIVITY: ALL

Dome Lights

Figure 501



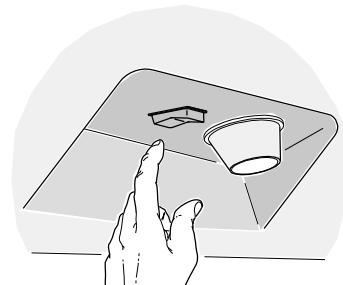
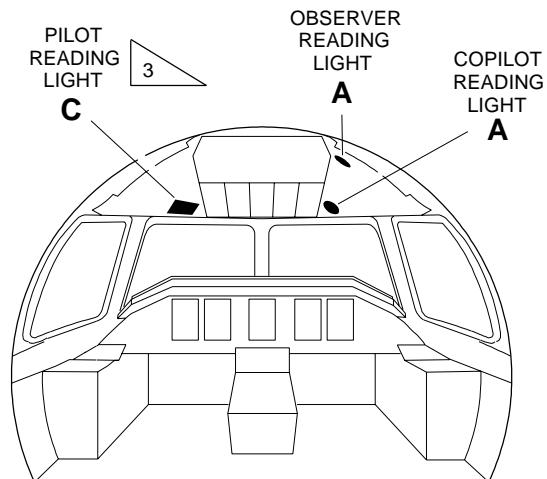
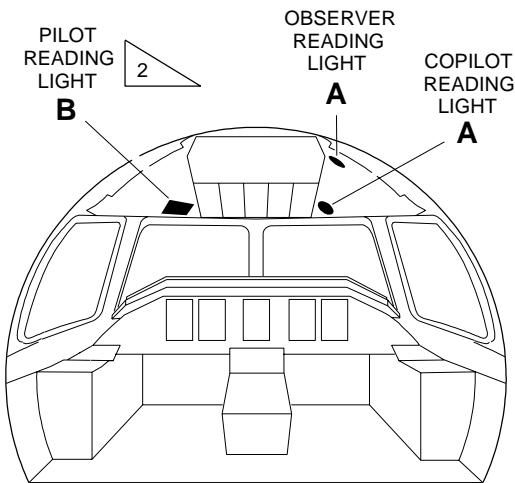
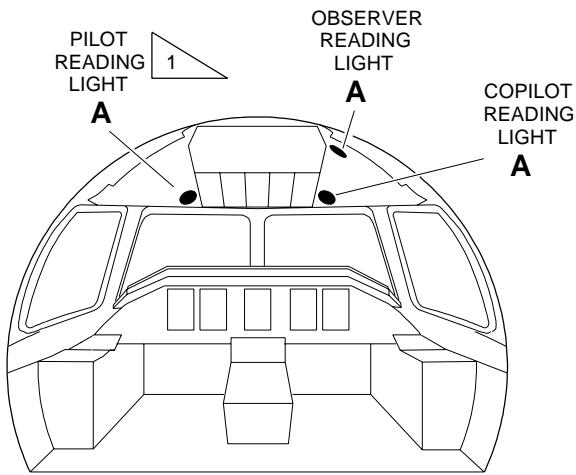
DET. A

145AMM330024.MCE A

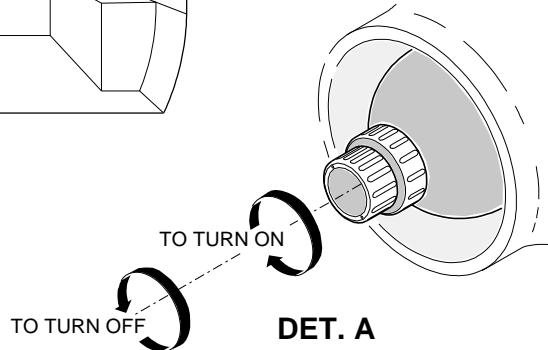
EFFECTIVITY: ALL

Reading Lights

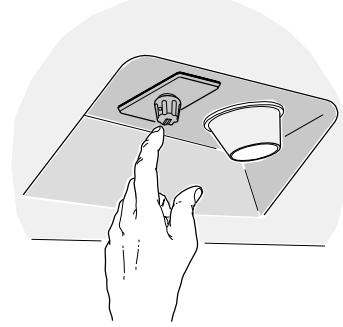
Figure 502



DET. B



DET. A



DET. C

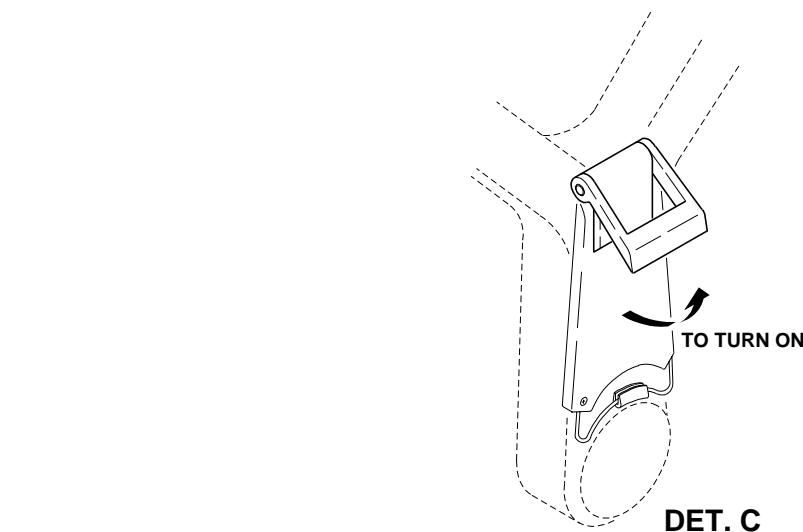
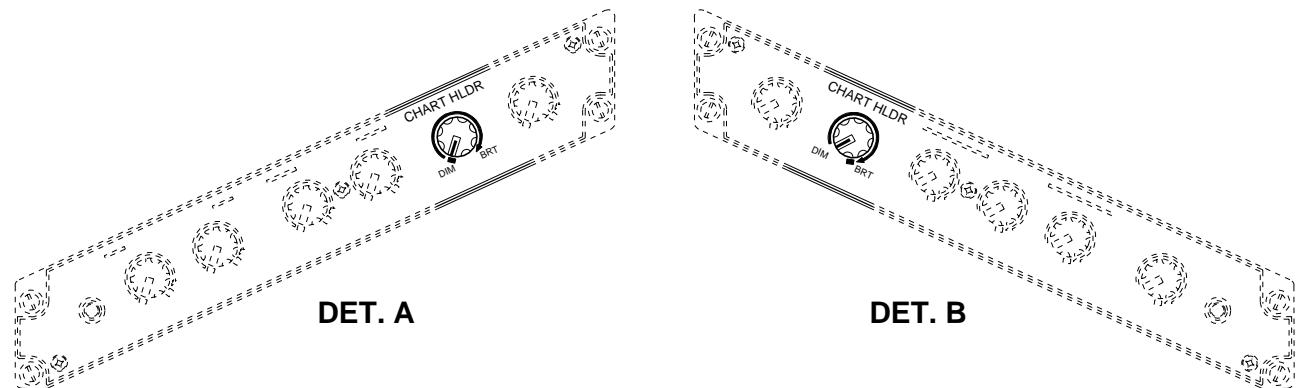
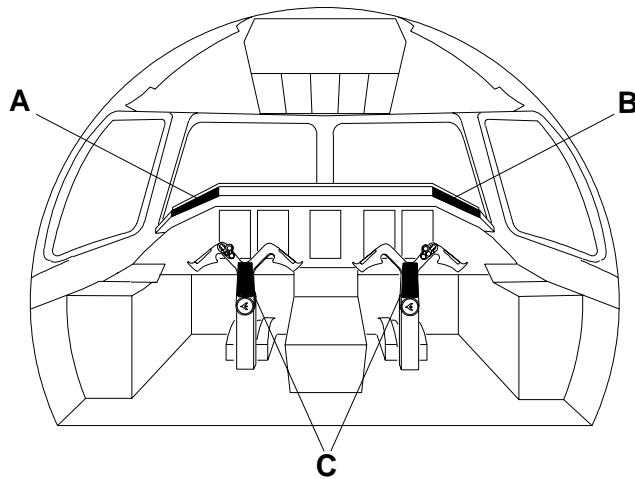
1 AIRCRAFT WITHOUT HEAD-UP DISPLAY

2 AIRCRAFT WITH HEAD-UP DISPLAY (PRE MOD S.B. 145-33-0016)

3 AIRCRAFT WITH HEAD-UP DISPLAY (POS MOD S.B. 145-33-0016)

EM145AMM330025E.DGN

EFFECTIVITY: ALL
 Chart Holder Lights
 Figure 503



145AMM330026.MCE A

