



## AIRCRAFT MAINTENANCE MANUAL

### STANDBY ALTIMETER - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-145

#### 1. General

- A. This section gives the procedure to remove/install the Standby Altitude Indicator.
- B. The Standby Altitude Indicator is installed on the main instrument panel, in the cockpit.
- 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
34-11-01-000-801-A	STANDBY ALTITUDE INDICATOR - REMOVAL	ACFT MODEL(S) EMB-145
34-11-01-400-801-A	STANDBY ALTITUDE INDICATOR - INSTALLATION	ACFT MODEL(S) EMB-145



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TASK 34-11-01-000-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

2. STANDBY ALTITUDE INDICATOR - REMOVAL

A. General

- (1) This task gives the procedure to remove the Standby Altitude Indicator.

B. References

REFERENCE	DESIGNATION
AMM TASK 20-10-03-000-801-A/400	TUBING - REMOVAL
S.B.145-34-0084	-

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 841-008-B*

- (1) On the circuit breaker panel, open the STBY ALT circuit breaker and attach a DO-NOT-CLOSE tag to it.
- (2) On the glareshield panel, left light control panel, set the PANEL LIGHTS/PILOT knob to the OFF position.

J. Removal (Figure 401) (Figure 402)

*SUBTASK 020-007-B*

- (1) (PRE-MOD S.B.145-34-0084) Remove the Standby Altitude Indicator as follows (Figure 401):
  - (a) Loosen the screws (4) (2 positions) to remove the Standby Altitude Indicator (2).

**CAUTION:** DO NOT REMOVE/INSTALL THE STANDBY ALTITUDE INDICATOR BY PULLING/PUSHING THE BUTTON.



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- (b) Pull the Standby Altitude Indicator (2) to gain access to the electrical connector (1) and the hose (3).
- (c) Disconnect the electrical connector (1) from the Standby Altitude Indicator (2).
- (d) Disconnect the hose (3) from the Standby Altitude Indicator (2) ([AMM TASK 20-10-03-000-801-A/400](#)).

**CAUTION:** DO NOT REMOVE/INSTALL THE STANDBY ALTITUDE INDICATOR BY PULLING/PUSHING THE BUTTON.

- (e) Remove the Standby Altitude Indicator (2).
- (2) (POST-MOD [S.B.145-34-0084](#)) Remove the Standby Altitude Indicator as follows ([Figure 402](#)):

**CAUTION:** BE CAREFUL WHEN YOU REMOVE THE COVER NOT TO CAUSE DAMAGE TO THE COCKPIT AREA MICROPHONE.

- (a) Remove the cover (7) to gain access to the electrical connector (1) and the hose (3).
- (b) Disconnect the electrical connector (1) from the Standby Altitude Indicator (2).
- (c) Disconnect the hose (3) from the Standby Altitude Indicator (2) ([AMM TASK 20-10-03-000-801-A/400](#)).
- (d) Loosen the screws (4) (2 positions) to remove the Standby Altitude Indicator (2).

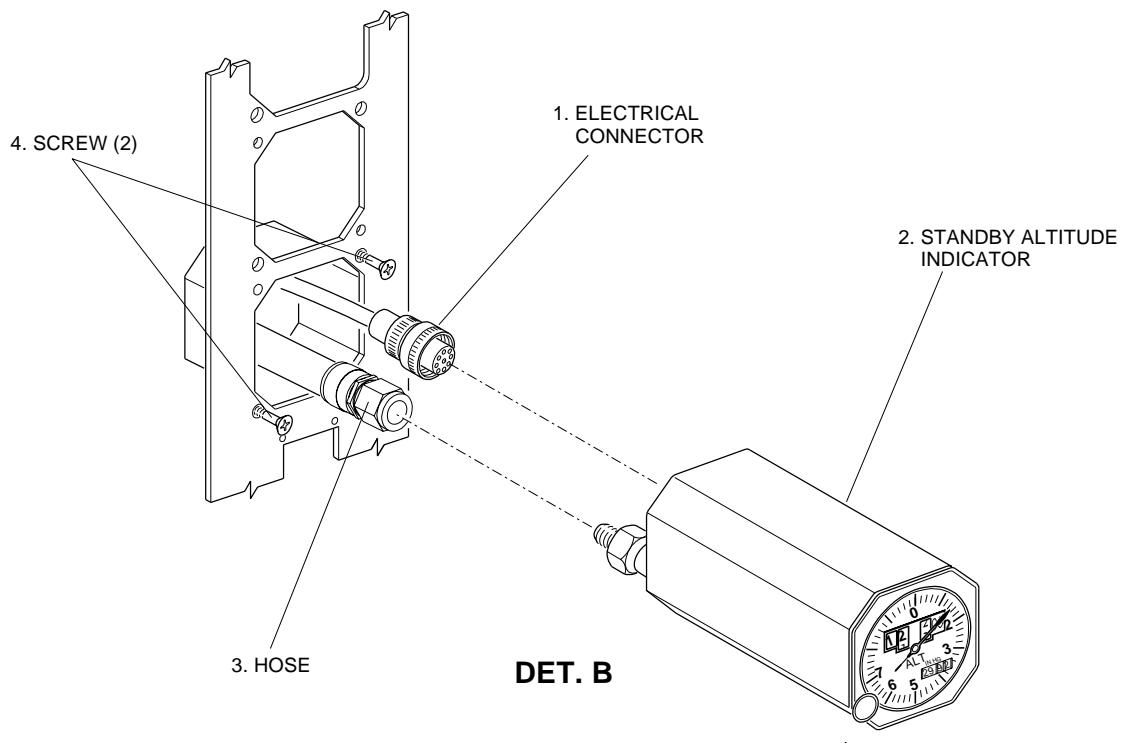
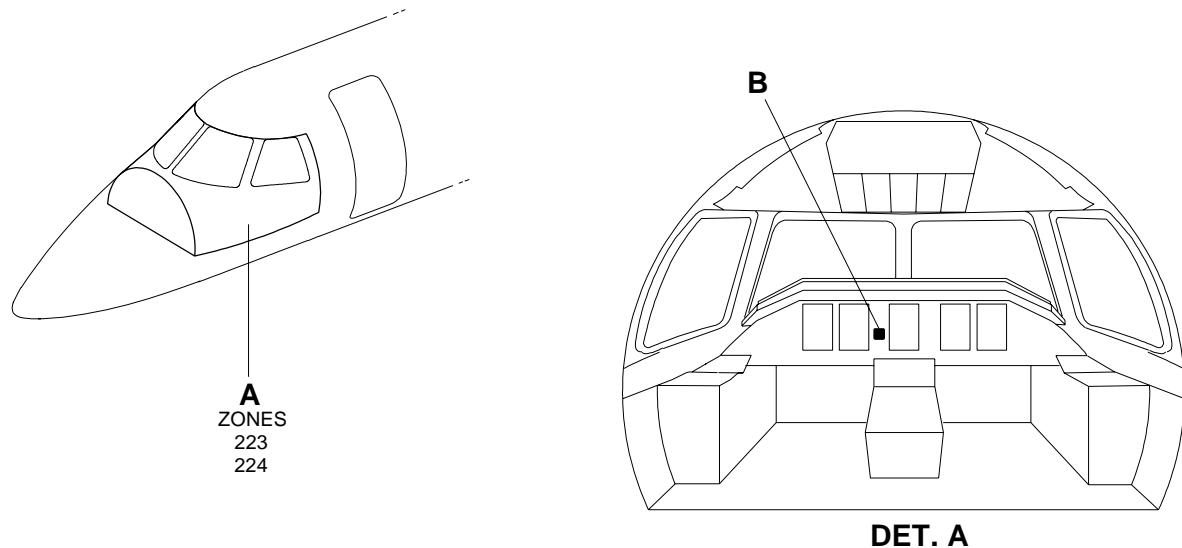
**CAUTION:** DO NOT REMOVE/INSTALL THE STANDBY ALTITUDE INDICATOR BY PULLING/PUSHING THE BUTTON.

- (e) Remove the Standby Altitude Indicator (2).

**EFFECTIVITY: PRE-MOD S.B. 145-34-0084**

Standby Altitude Indicator - Removal/Installation

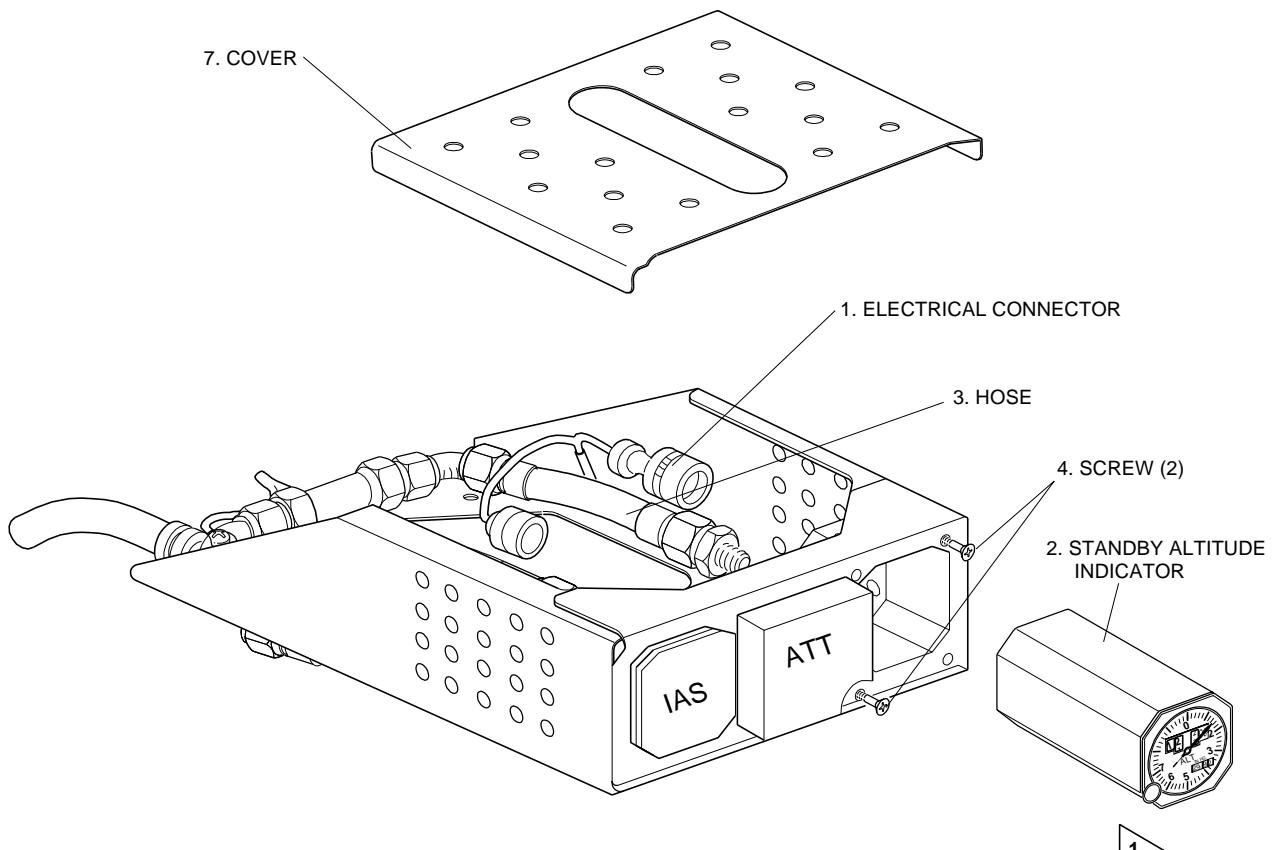
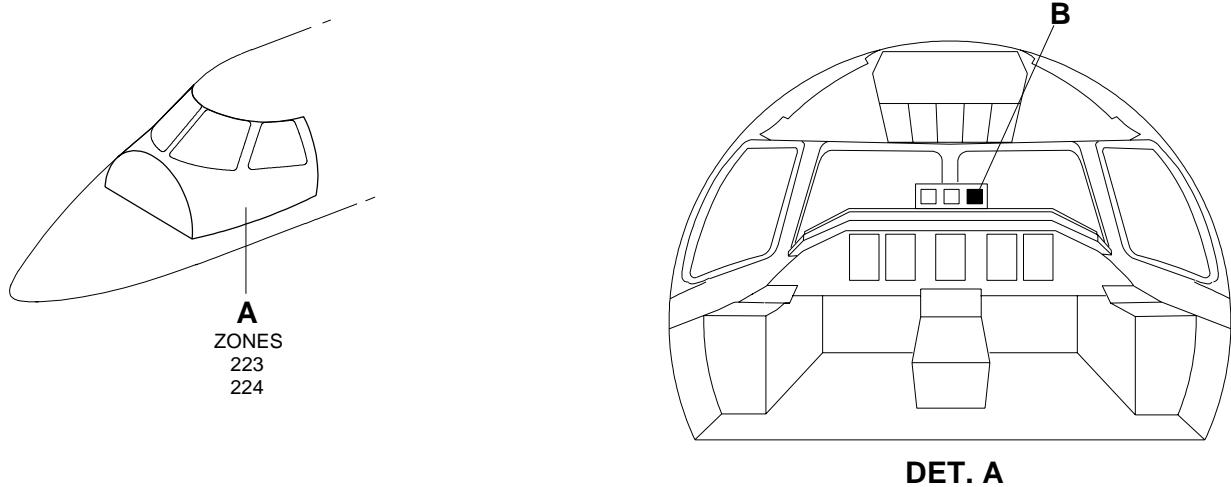
Figure 401



**1** DO NOT REMOVE / INSTALL THE STANDBY ALTITUDE INDICATOR BY PULLING / PUSHING THE BUTTON.

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**EFFECTIVITY: POST-MOD S.B. 145-34-0084**  
**Standby Altitude Indicator - Removal/Installation**  
**Figure 402**

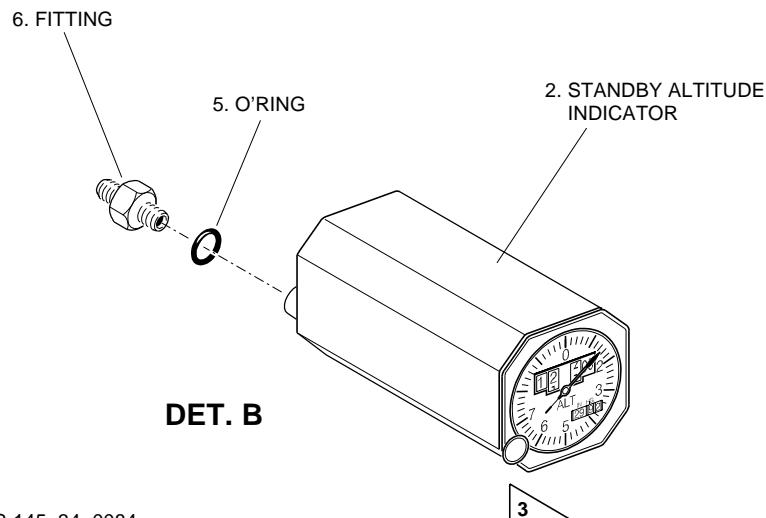
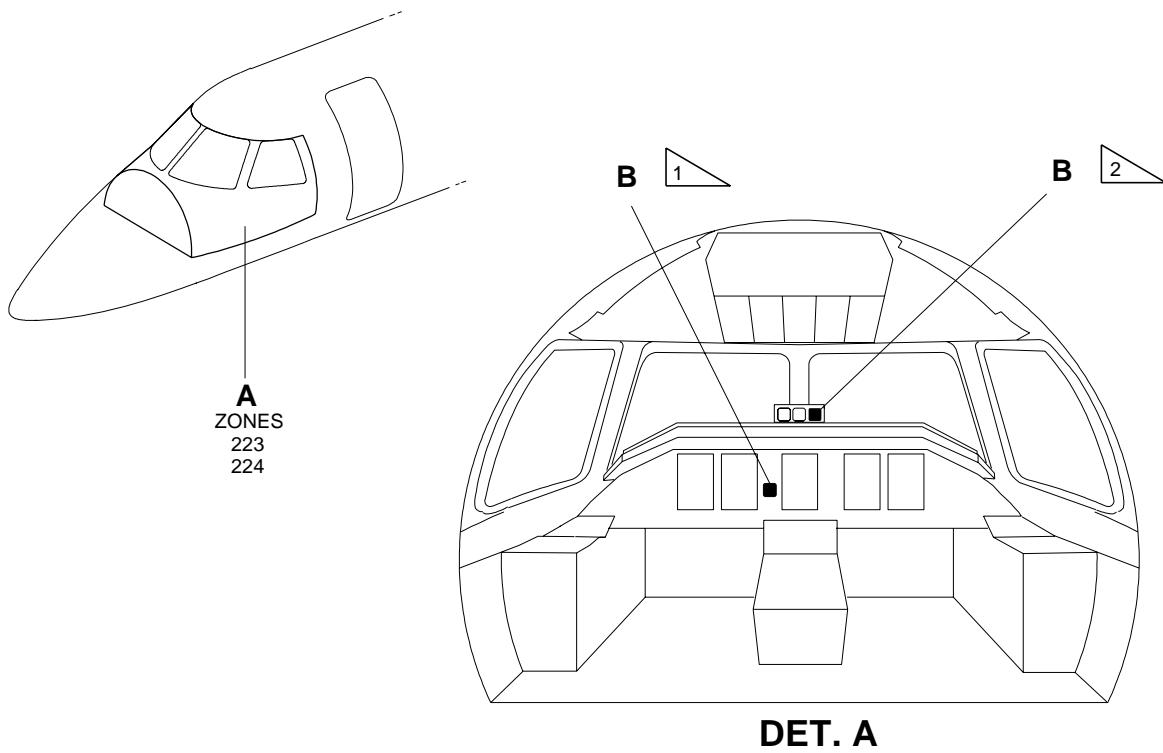


**1** DO NOT REMOVE / INSTALL THE STANDBY ALTITUDE INDICATOR BY PULLING / PUSHING THE BUTTON.

**1**

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**EFFECTIVITY: ACFT MODEL(S) EMB-145**  
**Standby Altitude Indicator - Removal/Installation**  
**Figure 403**

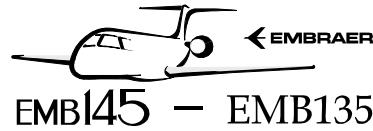


**1** PRE - MOD S.B.145-34-0084

**2** POST - MOD S.B.145-34-0084

**3** DO NOT REMOVE / INSTALL THE STANDBY ALTITUDE INDICATOR BY PULLING / PUSHING THE BUTTON.

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TASK 34-11-01-400-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

3. STANDBY ALTITUDE INDICATOR - INSTALLATION

## A. General

- (1) This task gives the procedure to install the Standby Altitude Indicator.

## B. References

REFERENCE	DESIGNATION
AMM TASK 20-10-03-400-801-A/400	TUBING - INSTALLATION
AMM TASK 34-11-00-700-801-A/500	-
AMM TASK 34-13-00-790-804-A/500	STANDBY SYSTEM - LEAKAGE TEST
IPC 34-11-01	STANDBY ALTITUDE INDICATOR
S.B.145-34-0084	-

## C. Zones and Accesses

Not Applicable

## D. Tools and Equipment

Not Applicable

## E. Auxiliary Items

Not Applicable

## F. Consumable Materials

Not Applicable

## G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
O-ring	IPC 34-11-01	1

## H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Cockpit

## I. Preparation (Figure 403)

## SUBTASK 841-009-B

- (1) Remove the fitting (6) from the Standby Altitude Indicator (2).
- (2) Remove and discard the old O-ring (5).
- (3) Install a new O-ring (5).
- (4) Install the fitting (6) to the Standby Altitude Indicator (2).



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J. Installation (Figure 401) (Figure 402)

SUBTASK 020-008-B

- (1) (PRE-MOD [S.B.145-34-0084](#)) Install the Standby Altitude Indicator as follows (Figure 401):

**CAUTION:** MAKE SURE THAT THE FLEXIBLE TUBE IS NOT TWISTED BEFORE AND AFTER TORQUE APPLICATION.

- (a) Connect the hose (3) to the Standby Altitude Indicator (2) ([AMM TASK 20-10-03-400-801-A/400](#)).

- (b) Connect the electrical connector (1) to the Standby Altitude Indicator (2).

**CAUTION:** DO NOT REMOVE/INSTALL THE STANDBY ALTITUDE INDICATOR BY PULLING/PUSHING THE BUTTON.

- (c) Put the Standby Altitude Indicator (2) in position on the main instrument panel.

- (d) Tighten the screws (4) (2 positions).

- (2) (POST-MOD [S.B.145-34-0084](#)) Install the Standby Altitude Indicator as follows (Figure 402):

**CAUTION:** DO NOT REMOVE/INSTALL THE STANDBY ALTITUDE INDICATOR BY PULLING/PUSHING THE BUTTON.

- (a) Put the Standby Altitude Indicator (2) in position on the main instrument panel.

**CAUTION:** MAKE SURE THAT THE FLEXIBLE TUBE IS NOT TWISTED BEFORE AND AFTER TORQUE APPLICATION.

- (b) Connect the hose (3) to the Standby Altitude Indicator (2) ([AMM TASK 20-10-03-400-801-A/400](#)).

- (c) Connect the electrical connector (1) to the Standby Altitude Indicator (2).

- (d) Tighten the screws (4) (2 positions).

**CAUTION:** BE CAREFUL WHEN YOU INSTALL THE COVER NOT TO CAUSE DAMAGE TO THE COCKPIT AREA MICROPHONE.

- (e) Install the cover (7).

K. Follow-on

SUBTASK 842-005-B

- (1) On the circuit breaker panel, close the STBY ALT circuit breaker and remove the DO-NOT-CLOSE tag from it.
- (2) On the glareshield panel, turn the PANEL LIGHTS/PILOT knob to the BRT position and make sure that the light on the standby altimeter face is on.
- (3) Do Standby System Leakage test ([AMM TASK 34-13-00-790-804-A/500](#)).
- (4) Do the functional check of the standby altimeter ([AMM TASK 34-11-00-700-801-A/500](#)).