

STANDBY AIRSPEED - REMOVAL/INSTALLATION

EFFECTIVITY: ACFT MODEL(S) EMB-145

1. General

- A. This section gives the procedure to remove/install the Standby Airspeed Indicator.
- B. The Standby Airspeed 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
34-12-01-000-801-A	STANDBY AIRSPEED INDICATOR - REMOVAL	ACFT MODEL(S) EMB-145
34-12-01-400-801-A	STANDBY AIRSPEED INDICATOR - INSTALLATION	ACFT MODEL(S) EMB-145

TASK 34-12-01-000-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

2. STANDBY AIRSPEED INDICATOR - REMOVAL

A. General

(1) This task gives the procedure to remove the Standby Airspeed 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 841-004-B

- (1) On the pilot glareshield panel, make sure that the PANEL LIGHTS/PILOT switch is set to the OFF position.

J. Removal [\(Figure 401\)](#) [\(Figure 402\)](#)

SUBTASK 020-004-B

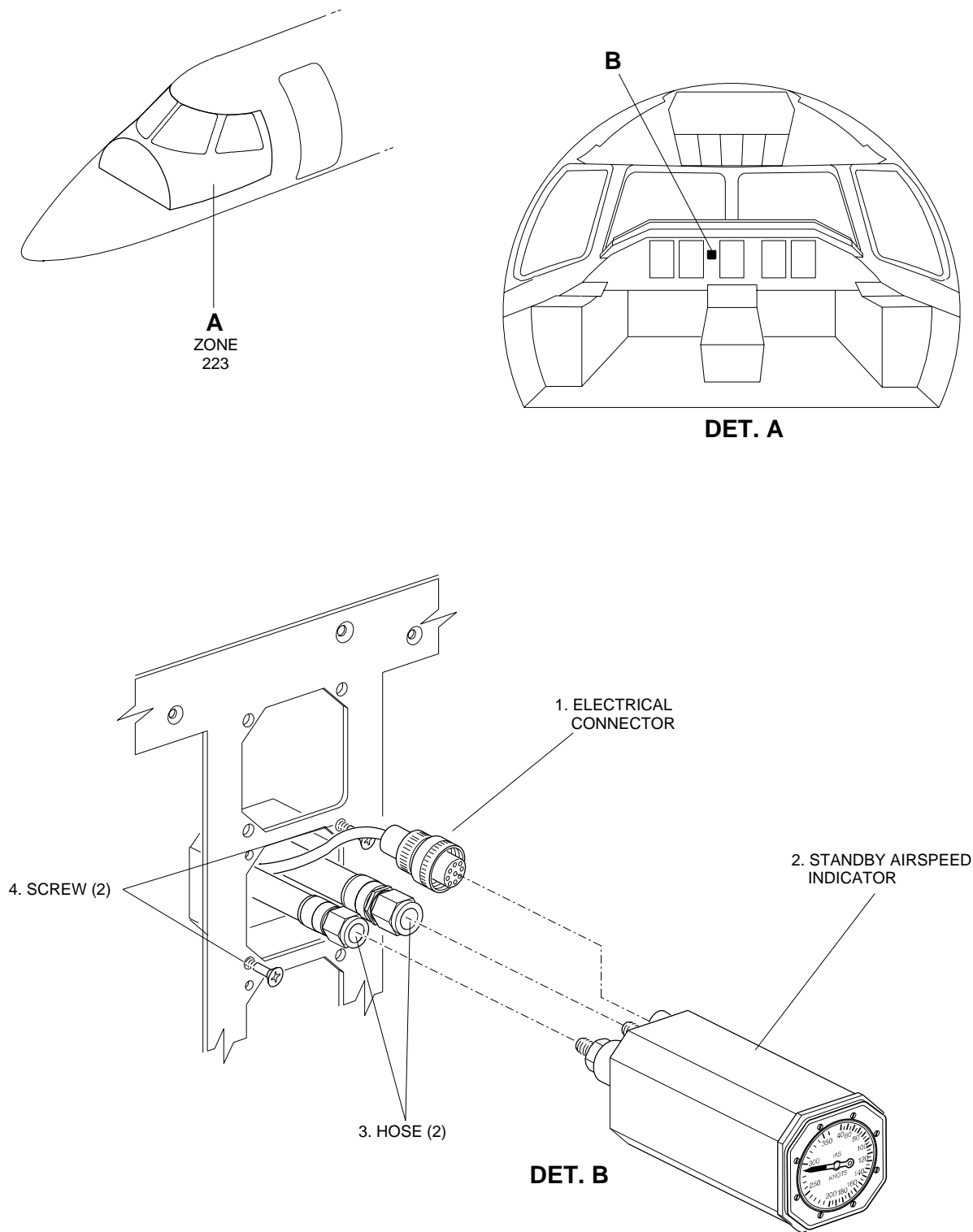
- (1) (PRE-MOD [S.B.145-34-0084](#)) Remove the Standby Airspeed Indicator as follows [\(Figure 401\)](#):
 - (a) Loosen the screws (4) (2 positions) to remove the Standby Airspeed Indicator (2).
 - (b) Pull the Standby Airspeed Indicator (2) to gain access to the connector (1) and hoses (3).
 - (c) Disconnect the connector (1) from the Standby Airspeed Indicator (2).

- (d) Disconnect the hoses (3) from the Standby Airspeed Indicator (2) ([AMM TASK 20-10-03-000-801-A/400](#)).
- (e) Remove the Standby Airspeed Indicator (2).
- (2) (POST-MOD [S.B.145-34-0084](#)) Remove the Standby Airspeed Indicator as follows ([Figure 402](#)):

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

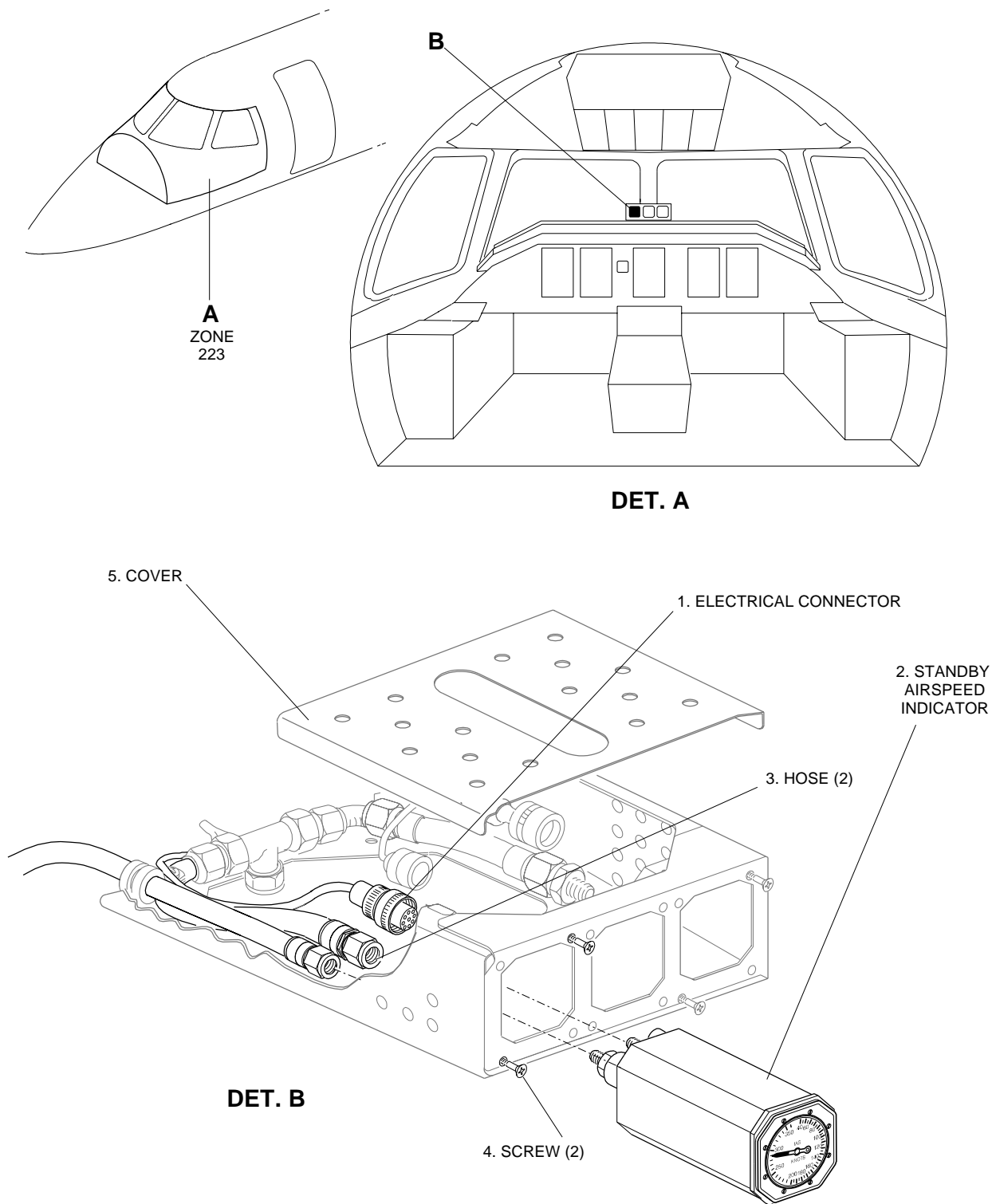
- (a) Remove the cover (5) to gain access to the electrical connector (1) and the hoses (3).
- (b) Disconnect the electrical connector (1) from the Standby Airspeed Indicator (2).
- (c) Disconnect the hoses (3) from the Standby Airspeed Indicator (2) ([AMM TASK 20-10-03-000-801-A/400](#)).
- (d) Loosen the screws (4) (2 positions) to remove the Standby Airspeed Indicator (2).
- (e) Remove the Standby Airspeed Indicator (2).

EFFECTIVITY: PRE-MOD S.B. 145-34-0084
Standby Airspeed Indicator - Removal/Installation
Figure 401



145AMM340203.MCE A

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



145AMM340938.MCE

TASK 34-12-01-400-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

3. STANDBY AIRSPEED INDICATOR - INSTALLATION

A. General

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

B. References

REFERENCE	DESIGNATION
AMM TASK 20-10-03-400-801-A/400	TUBING - INSTALLATION
AMM TASK 34-12-00-700-801-A/500	-
AMM TASK 34-13-00-790-804-A/500	STANDBY SYSTEM - LEAKAGE TEST
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. Installation (Figure 401)

SUBTASK 420-004-B

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

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

- Connect the hoses (3) to the Standby Airspeed Indicator (2) ([AMM TASK 20-10-03-400-801-A/400](#)).
- Connect the electrical connector (1) to the Standby Airspeed Indicator (2).
- Put the Standby Airspeed 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 Airspeed Indicator as follows (Figure 402):

(a) Put the Standby Airspeed 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 hoses (3) to the Standby Airspeed Indicator (2) ([AMM TASK 20-10-03-400-801-A/400](#)).

(c) Connect the electrical connector (1) to the Standby Airspeed 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 (5).

J. Follow-on

SUBTASK 842-004-B

- (1) On the glareshield panel, turn the PANEL LIGHTS/PILOT switch to the BRT position, then make sure that the light on the standby airspeed-indicator face is on.
- (2) Do the Standby System leakage test ([AMM TASK 34-13-00-790-804-A/500](#)).
- (3) Do the operational check of the Standby Airspeed Indicator ([AMM TASK 34-12-00-700-801-A/500](#)).

