STANDBY AIRSPEED - ADJUSTMENT/TEST

EFFECTIVITY: ACFT MODEL(S) EMB-145

1. General

A. This section gives the procedures to do the functional test of the Standby Airspeed Indicator.

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*
34-12-00-700-801-A ♦	STANDBY AIRSPEED INDICATOR - FUNCTIONAL TEST	ACFT MODEL(S) EMB-145

TASK 34-12-00-700-801-A
EFFECTIVITY: ACFT MODEL(S) EMB-145

2. STANDBY AIRSPEED INDICATOR - FUNCTIONAL TEST

A. General

(1) The function of this test is to make sure that the indications given by the Standby Airspeed Indicator are correct.

B. References

REFERENCE	*DESIGNATION*
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 34-13-00-000-801-A/400	PITOT/STATIC-SYSTEM TEST SET - DISCONNECTION
AMM TASK 34-13-00-400-801-A/400	PITOT/STATIC-SYSTEM TEST SET - CONNECTION

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

ITEM	*DESCRIPTION*	*PURPOSE*	*QTY*
GSE 128	Air Data Kit	To permit interface between GSE 129 and the aircraft	
GSE 129	Pitot/Static System Test Set	To simulate altitude and airspeed	

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
1	Does the task	Pitot/static system test set

I. Preparation

SUBTASK 841-004-B

(1) Energize the aircraft with the external DC power supply (AMM TASK 20-40-01-860-801-A/200).

J. Functionally Check Standby Airspeed Indicator (Figure 501)

SUBTASK 720-004-B

WARNING: MAKE SURE THAT THE PITOT/STATIC SENSORS AND ANEMOMETRIC STATIC PORTS HEATING SYSTEM IS OFF. THIS WILL PREVENT INJURY TO PERSONS IF TOUCHED AND/OR DAMAGE TO THE TEST SET ADAPTERS.

(1) NOTE: For the standby airspeed indicator test, it is necessary to connect the pitot/static 3 adapter only.

Connect the pitot/static system test set (GSE 129) (AMM TASK 34-13-00-400-801-A/400).

(2) Do the airspeed test with the pitot/static system test set as follows:

(a) Apply pressures to pitot/static 3 equivalent to the airspeed shown in the table below. Make sure that the values on the standby airspeed indicator obey the tolerances for each test point.

- On the pitot/static system test set, keep the altitude open to the room pressure.

Table 501

AIRSPEED	From - 30°C to + 55°C
60 kts	60 kts (± 7)
120 kts	120 kts (± 6)
200 kts	200 kts (± 7)
300 Kts	300 kts (± 8)

(3) On the pitot/static system test set, set the airspeed back to zero.

K. Follow-on

SUBTASK 842-004-B

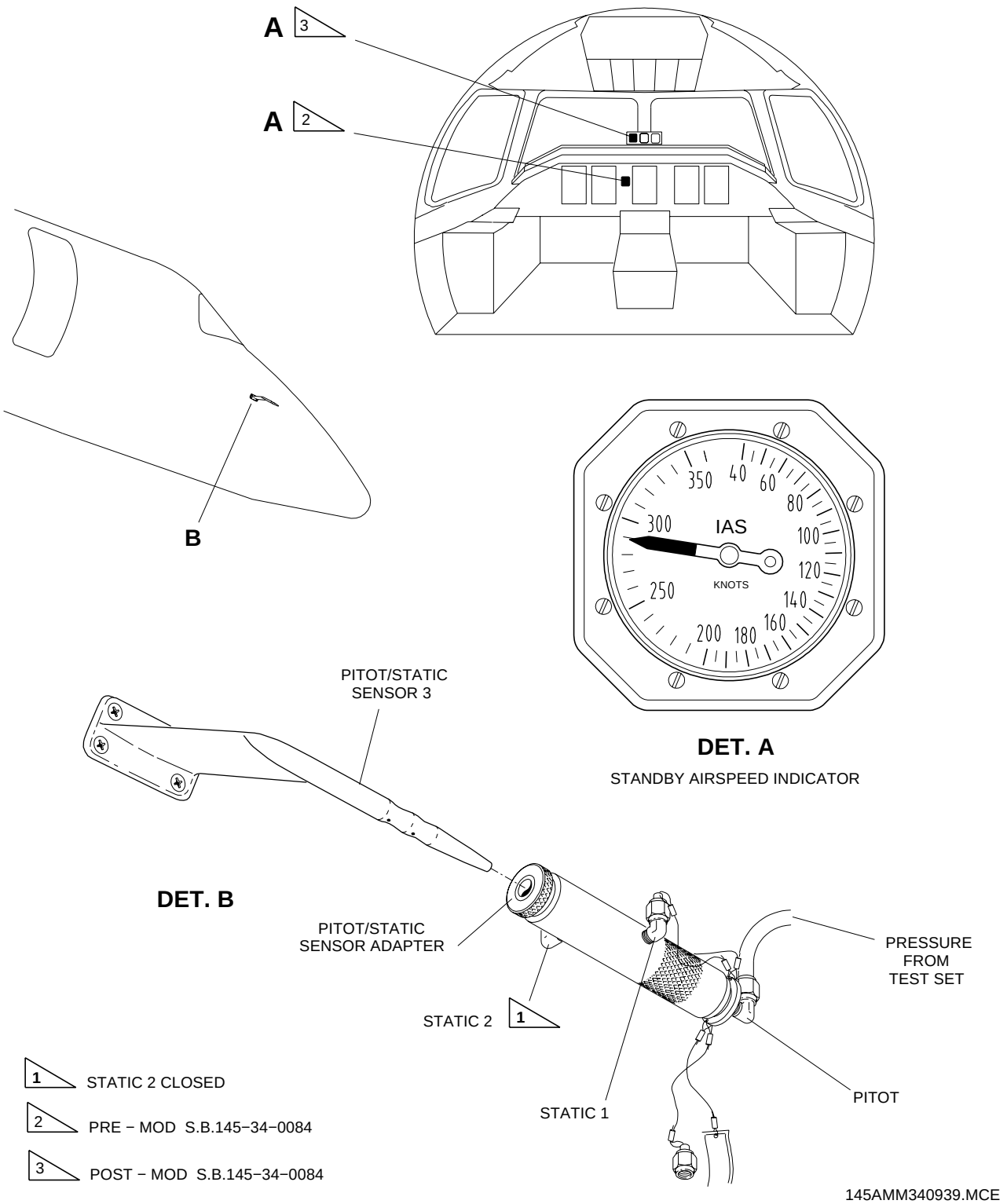
(1) Deenergize the aircraft with the external DC power supply (AMM TASK 20-40-01-860-801-A/200).

(2) Disconnect the pitot/static system test set (GSE 129) (AMM TASK 34-13-00-000-801-A/400).

(3) Put the pitot/static 3 sensor protection.

EFFECTIVITY: ACFT MODEL(S) EMB-145

Standby Airspeed Indicator - Functional Check
Figure 501



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