

STANDBY ATTITUDE - ADJUSTMENT/TEST

EFFECTIVITY: ACFT MODEL(S) EMB-145

1. General

- A. This section gives the procedures to do the operational test of the Standby Attitude 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
34-24-00-700-801-A ◆	STANDBY ATTITUDE INDICATOR - OPERATIONAL TEST	ACFT MODEL(S) EMB-145

TASK 34-24-00-700-801-A

EFFECTIVITY: ACFT MODEL(S) EMB-145

2. STANDBY ATTITUDE INDICATOR - OPERATIONAL TEST

A. General

- (1) The function of this test is to make sure that the indications given by the Standby Attitude 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

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 841-005-B

- (1) Energize the aircraft with the External DC Power Supply ([AMM TASK 20-40-01-860-801-A/200](#)).
- (2) (Aircraft without Integrated Standby Instrument System) In the circuit breaker panel, installed on the cockpit ceiling, make sure that the STBY ATT circuit breaker (Location Tip: ESSENTIAL DC BUS 2/NAV/STBY ATT) is closed.
- (3) (Aircraft with Integrated Standby Instrument System) In the circuit breaker panel, installed on the cockpit ceiling, make sure that the INTEG STBY circuit breaker (Location Tip: ESSENTIAL DC BUS 2/INTEG STBY) is closed.

J. Operationally Check Standby Attitude Indicator ([Figure 501](#)) ([Figure 502](#))

SUBTASK 710-005-B

- (1) Do the standby attitude indicator test as follows:

- (a) On the indicator, make sure that the OFF flag is out of view.
- (b) On the indicator, pull the CAGING knob and turn it to the locked position for 1 minute minimum, until the gyro comes to the operating speed, and make sure that the OFF flag comes into view.
- (c) Smoothly release the CAGING knob.

Result:

- 1 The OFF flag goes out of view.
- 2 The gyro becomes stable in 3 minutes maximum.
- 3 The roll index is centered on the roll scale.
- 4 The indicator must show pitch in a range of ± 1 degree as related to the horizon line.

K. Follow-on

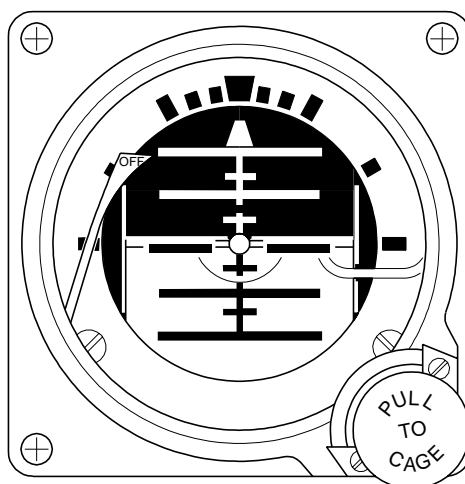
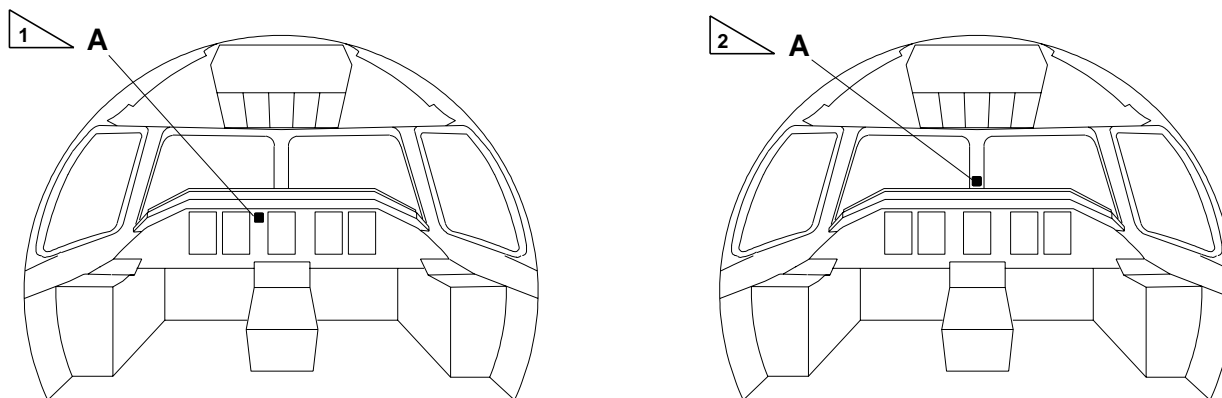
SUBTASK 842-005-B

- (1) De-energize the aircraft with the External DC Power Supply ([AMM TASK 20-40-01-860-801-A/200](#)).

EFFECTIVITY: ACFT W/ STBY ATTITUDE INDICATOR INSTALLED ON THE MAIN INSTRUMENT PANEL
OR ON THE TOP OF THE GLARESHIELD PANEL

Standby Attitude Indicator - Operational Test

Figure 501



DET. A

STANDBY ATTITUDE INDICATOR

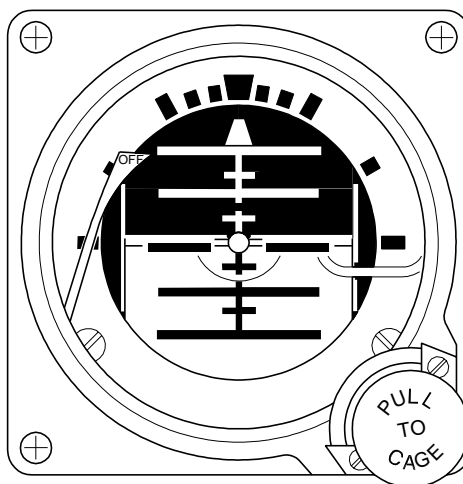
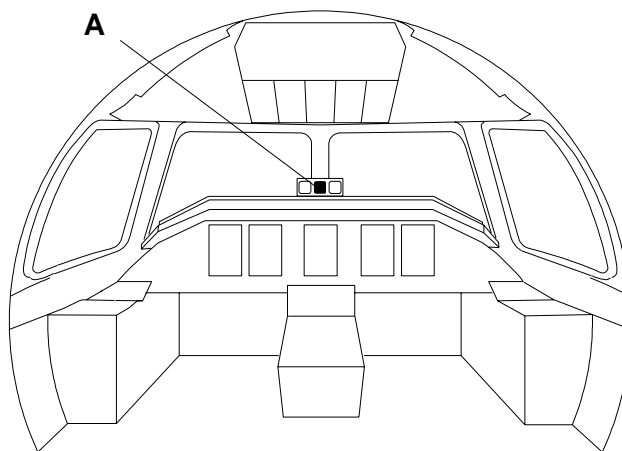
- 1 AIRCRAFT WITH STBY ATTITUDE INDICATOR INSTALLED ON MAIN INSTRUMENT PANEL.
- 2 AIRCRAFT WITH STBY ATTITUDE INDICATOR INSTALLED ON THE TOP OF THE GLARESHIELD PANEL..

145AMM340194.MCE B

EFFECTIVITY: ACFT W/ STANDBY AIRSPEED, STANDBY ATTITUDE, AND STANDBY ALTIMETER INDICATORS INSTALLED ON THE TOP OF THE GLARESHIELD PANEL

Standby Attitude Indicator - Operational Test

Figure 502



DET. A
STANDBY ATTITUDE INDICATOR

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