



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

DUAL IRS - FAN - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the operational test of IRS Fan 1 and/or IRS Fan 2.
- B. The IRS fans are installed on the related IRS mounting trays.
- 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
34-27-03-700-801-A	IRS FAN - OPERATIONAL TEST	ALL



EMB145 - EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 34-27-03-700-801-A

EFFECTIVITY: ALL

2. IRS FAN - OPERATIONAL TEST

A. General

- (1) This task gives the procedures for the IRS Fan Operational Test.
- (2) The IRS fans are installed on the related IRS mounting racks.
- (3) The IRS 1 rack is installed on the left side of the electronic compartment.
- (4) The IRS 2 rack is installed on the right side of the electronic compartment.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 29-10-00-860-802-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
AMM TASK 34-27-01-000-801-A/400	IRU - REMOVAL
AMM TASK 34-27-01-400-801-A/400	IRU - INSTALLATION
SB145-32-0036	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
113	113CZ	Forward Electronic Compartment

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/Electronic Compartment



## I. Preparation

## SUBTASK 841-002-A

- (1) On the circuit breaker panel, open the IRS 1 and/or IRS 2 circuit breaker(s).
- (2) On the ELECTRICAL panel, on the overhead panel, push the BACKUP pushbutton (striped bar comes on).
- (3) For aircraft PRE-MOD [SB145-32-0036](#), make sure that the pressure in hydraulic system 1 is fully released ([AMM TASK 29-10-00-860-802-A/200](#)).
- (4) For aircraft POST-MOD [SB145-32-0036](#), install safety pin of the NLG door solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).
- (5) Open access door 113CZ (AMM MPP 06-41-01/100).

**CAUTION: BE CAREFUL WHEN YOU HANDLE THE IRS.**

- (6) Remove IRS 1 and/or IRS 2 from the trays ([AMM TASK 34-27-01-000-801-A/400](#)).
- (7) Energize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).

J. Test Procedure ([Figure 501](#))

## SUBTASK 710-002-A

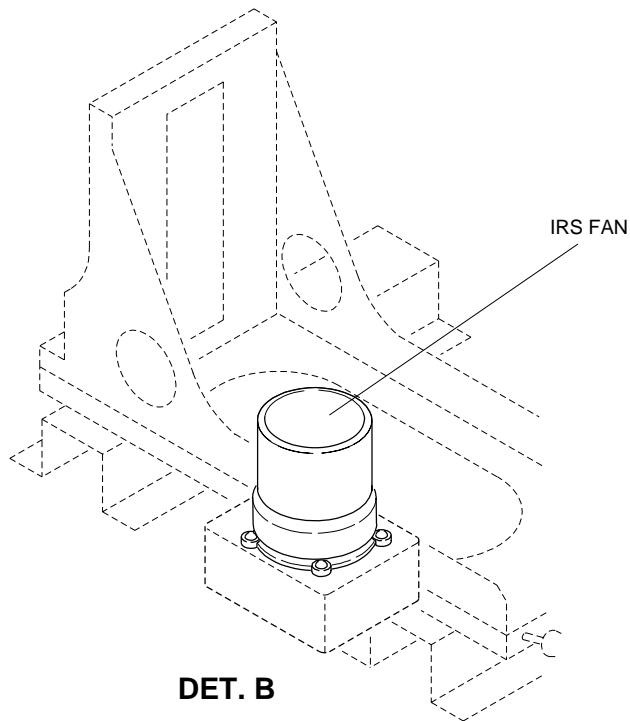
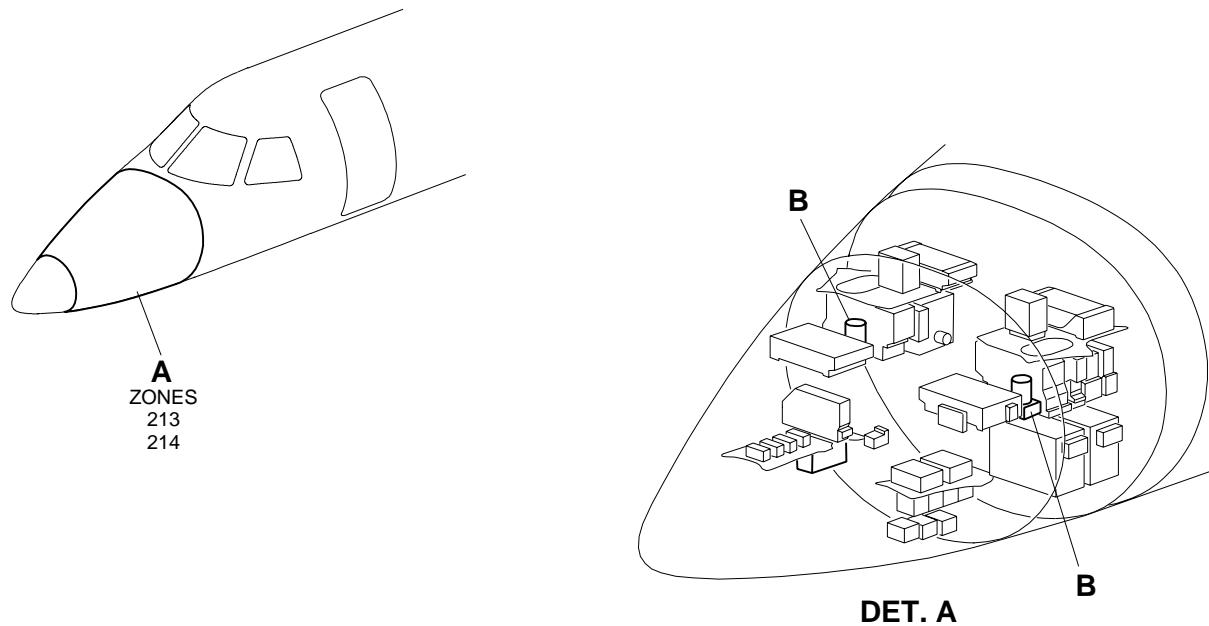
- (1) On the circuit breaker panel, close the IRS 1 and/or IRS 2 circuit breaker(s).
- (2) Make sure that the IRS 1 Fan and/or the IRS 2 Fan is operational and that the wind direction is from the fan to the computer.
- (3) On the circuit breaker panel, open the IRS 1 and/or IRS 2 circuit breaker(s).

## K. Follow-on

## SUBTASK 842-002-A

- (1) Install IRS 1 and/or 2 to the trays again ([AMM TASK 34-27-01-400-801-A/400](#)).
- (2) Close access panel 113CZ (AMM MPP 06-41-01/100).
- (3) On the circuit breaker panel, close the IRS 1 and/or IRS 2 circuit breaker(s).
- (4) On the ELECTRICAL panel, on the overhead panel, push the BACKUP pushbutton (striped bar comes off).
- (5) Deenergize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).

**EFFECTIVITY: ALL**  
 IRS Fan - Operational Test  
 Figure 501



145AMM340340.MCE