



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

DUAL IRS - FAN - CLEANING/PAINTING

EFFECTIVITY: AIRCRAFT WITH DUAL IRS

1. General

- A. This section gives the procedures to clean the filter of the Inertial Reference Unit (IRU) fans.
- 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
34-27-03-100-801-A ♦	DUAL IRU MOUNTING TRAY FAN FILTER - CLEANING	AIRCRAFT WITH DUAL IRS



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TASK 34-27-03-100-801-A

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2. DUAL IRU MOUNTING TRAY FAN FILTER - CLEANING

A. General

- (1) The IRU fans are installed on the side of the IRU mounting tray, in the electronic compartment.

B. References

REFERENCE	DESIGNATION
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
S.B.145-32-0036	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
113	113CZ	Electronic compartment

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
	Platform	To help the access to the fan filter	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Electronic compartment

I. Preparation

SUBTASK 841-002-A

- (1) On aircraft PRE-MOD. S.B.145-32-0036, make sure that the pressure in hydraulic system 1 is fully released (AMM TASK 29-10-00-860-802-A/200).
- (2) On aircraft POST-MOD. S.B.145-32-0036, install the safety pin of the NLG door solenoid valve (AMM TASK 32-00-02-910-801-A/200).



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(3) On the circuit breaker panel, open the IRS 1/2 circuit breakers and attach a DO-NOT-CLOSE tag to them.

(4) Open 113CZ access panel to get access to the IRU fans.

(5) Get access to the filter of the fan installed on the side of the IRU mounting tray.

J. Clean Dual IRU Mounting Tray Fan Filter ([Figure 701](#))

SUBTASK 140-002-A

(1) Hold and click out the cover of the fan filter to remove it from the fan case.

(2) Clean the spongy filter with dry compressed air.

NOTE: If necessary, replace the filter.

(3) Position the cleaned filter in the fan case.

(4) Push in the filter to install it in the fan case.

K. Follow-on

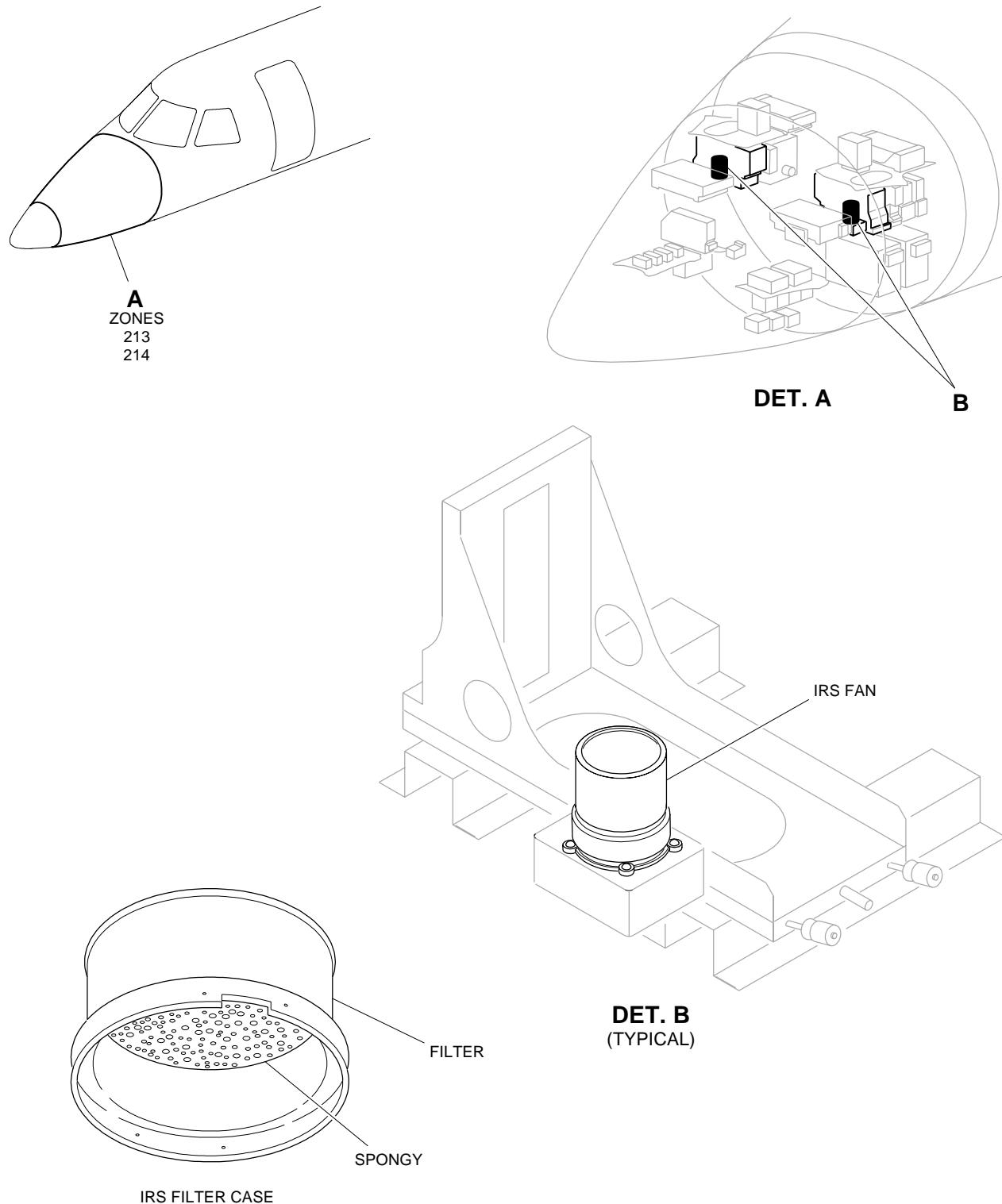
SUBTASK 842-002-A

(1) Close access panel 113CZ.

(2) On aircraft POST-MOD. [S.B.145-32-0036](#), remove the safety pin of the NLG door solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).

(3) On the circuit breaker panel, close the IRS 1/2 circuit breakers and remove the DO-NOT-CLOSE tag from them.

EFFECTIVITY: AIRCRAFT WITH DUAL IRS
 Dual IRU Mounting Tray Fan Filter - Cleaning
 Figure 701



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