



## AIRCRAFT MAINTENANCE MANUAL

### ELECTRICAL FUEL QUANTITY INDICATING - ADJUSTMENT/TEST

EFFECTIVITY: ALL

#### 1. General

- A. This section gives the procedures to do a check on the electrical fuel quantity indicating system (Fuel low level logic).
- 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
28-41-00-700-801-A ♦	ELECTRICAL FUEL QUANTITY - OPERATIONAL CHECK	ALL



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TASK 28-41-00-700-801-A

EFFECTIVITY: ALL

2. ELECTRICAL FUEL QUANTITY - OPERATIONAL CHECK

A. General

- (1) The function of this task is to do a check of the fuel low level logic and its messages on the EICAS.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-03/100	- COMPONENT LOCATION
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223	223LZ	Cockpit

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 841-002-A

- (1) Energize the aircraft with External DC Power Supply ( [AMM TASK 20-40-01-860-801-A/200](#)).
- (2) Open access door 223LZ ( [AMM MPP 06-41-03/100](#)) to get access to the maintenance panel.

J. Operationally Check Electrical Fuel Quantity Indicating System (Fuel Low Level Logic) ([Figure 501](#))

SUBTASK 710-002-A

- (1) Set the fuel page on the MFD.



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- (a) Move the "FUEL QTY IND" toggle switch on the maintenance panel.

Result:

- 1 The EICAS display shows these messages and indications:

- FUEL 1 - 2 LO LEVEL (WARNING).
- TANK 1 - 2 shows 1130 kg ± 10 kg (2500 lb).

- 2 The MFD shows these indications:

- TANK 1 - 1130 kg ± 10 kg (2500 lb).
- TANK 2 - 1130 kg ± 10 kg (2500 lb).
- TOTAL - 2260 kg (5000 lb).

- 3 The Warning lights flash.

- 4 The Aural warning operates (Bell).

NOTE: After 10 seconds, the indications above go back to the normal condition.

- (2) Press one of the master warning lights to stop the lights.

### K. Follow-on

#### SUBTASK 842-002-A

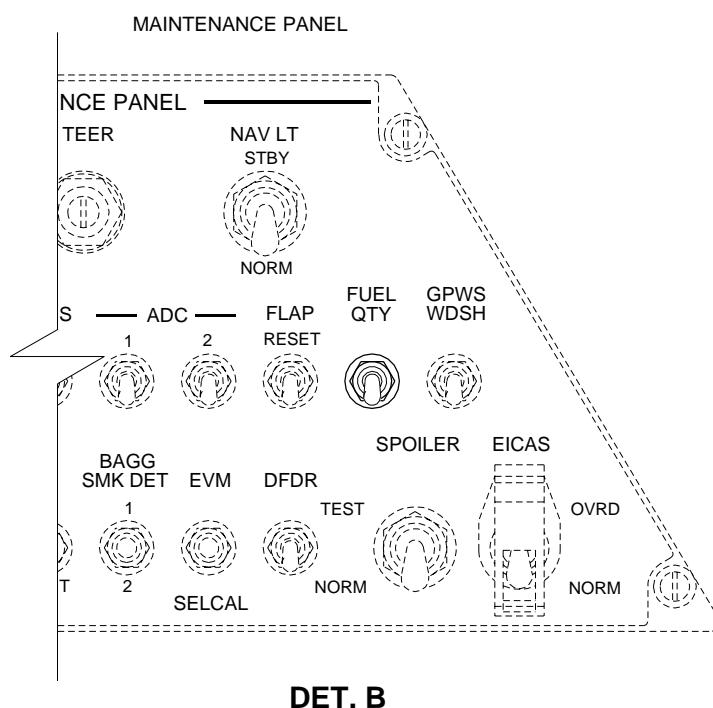
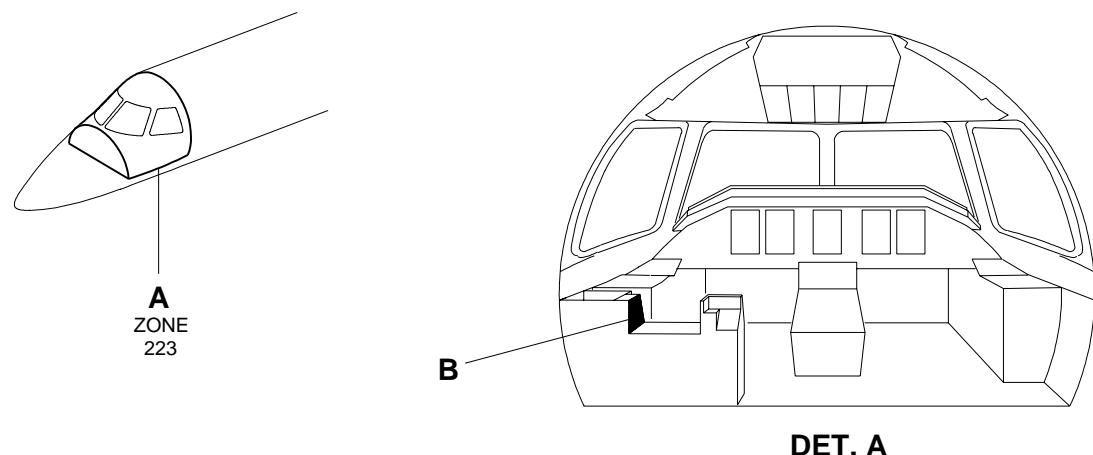
- (1) Deenergize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).

- (2) Close access door 223LZ ([AMM MPP 06-41-03/100](#)).

**EFFECTIVITY: ALL**

Electrical Fuel Quantity Indicating System - Component Locations

Figure 501 - Sheet 1

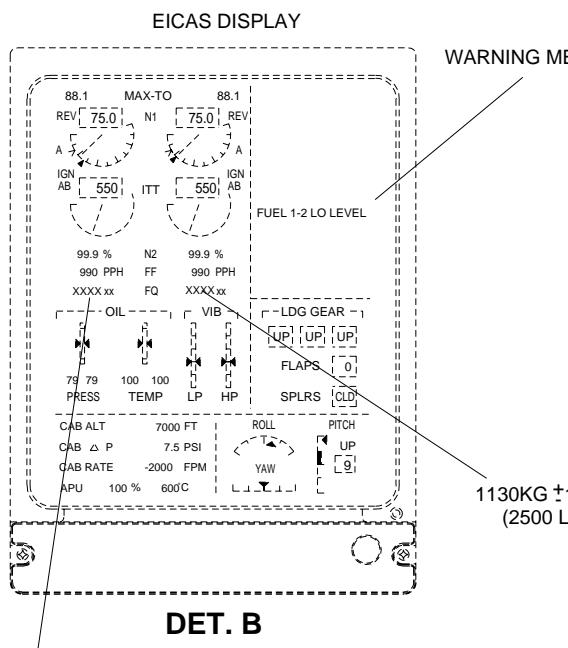
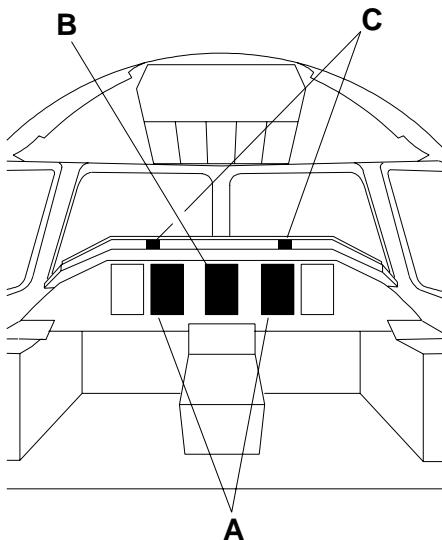


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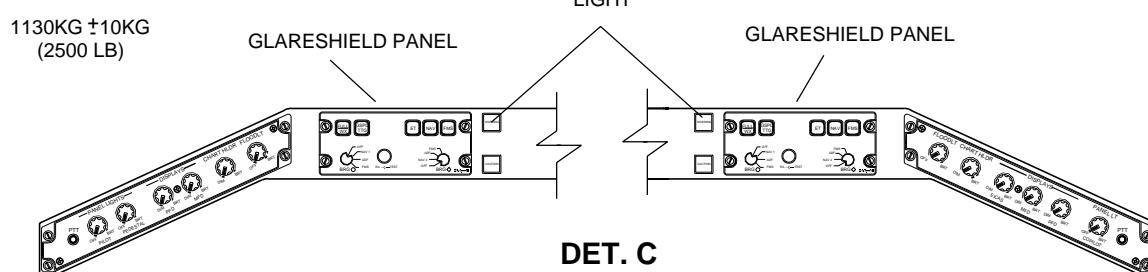
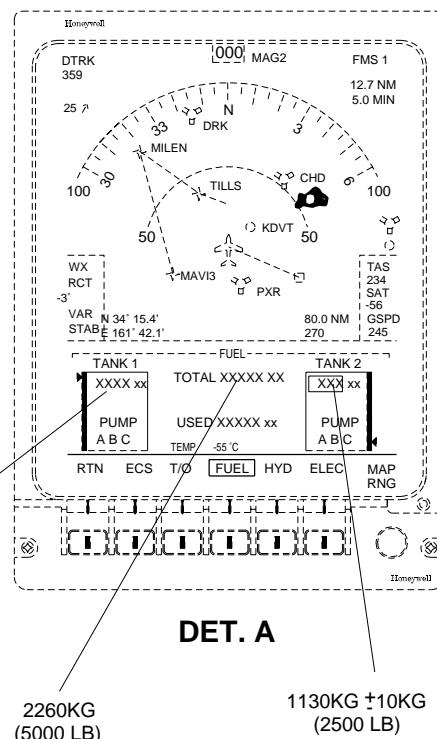
**EFFECTIVITY: ALL**

Electrical Fuel Quantity Indicating System - Component Locations

Figure 501 - Sheet 2



**MFD DISPLAY**



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