

## FUEL CONTROL PANEL - ADJUSTMENT/TEST

*EFFECTIVITY: ALL*

1. General

- A. This section gives the procedure to do test of the fuel control panel.
- 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
<a href="#">28-20-04-700-801-A</a>	FUEL CONTROL PANEL - OPERATIONAL TEST	ALL

TASK 28-20-04-700-801-A

EFFECTIVITY: ALL

## 2. FUEL CONTROL PANEL - OPERATIONAL TEST

### A. General

(1) This task gives the procedure to do the operational test of the fuel control panel.

### B. References

REFERENCE	DESIGNATION
AMM SDS 24-60-00/1	
AMM SDS 31-41-00/1	
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
225	-	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

**WARNING: MAKE SURE THAT THE AIRCRAFT IS IN A SAFE CONDITION BEFORE YOU DO THE MAINTENANCE PROCEDURES. THIS IS TO PREVENT INJURY TO PERSONS AND/OR DAMAGE TO THE EQUIPMENT.**

- (1) Energize the aircraft with an external DC power supply ( [AMM TASK 20-40-01-860-801-A/200](#)).
- (2) On the circuit breaker panel, on the overhead panel, make sure that these circuit breakers are closed:
  - (a) FUEL PUMP 1A, 1B, and 1C.

- (b) FUEL PUMP 2A, 2B, and 2C.
- (c) CROSS FEED.
- (d) LIGHTS OVHD PANEL.
- (3) On the left DC distribution box ([AMM SDS 24-60-00/1](#)), make sure that these circuit breakers are closed:
  - (a) FUEL PUMP 1A, 1C, and 2B.
- (4) On the right DC distribution box ([AMM SDS 24-60-00/1](#)), make sure that these circuit breakers are closed:
  - (a) FUEL PUMP 1B, 2A, and 2C.

**CAUTION:** DAMAGE TO THE FUEL PUMP WILL OCCUR IF IT OPERATES WITH NO FUEL (DRY OPERATION). THUS, MAKE SURE THAT THERE IS FUEL IN THE TANKS.

- (5) Make sure that the two wing fuel quantities are, at least, 100 Kg (220 lb).
- (6) Make sure that the switches on the fuel control panel are set as follows:

Table 501

SWITCH	SYSTEM	POSITION
XFEED		OFF
PUMP SEL	1	1A
	2	2A
PUMP PWR	1	OFF
	2	OFF

- (7) On the MFD, select the FUEL system page ([AMM SDS 31-41-00/1](#)).

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

*SUBTASK 020-002-A*

**CAUTION:** DAMAGE TO THE FUEL PUMP WILL OCCUR IF IT OPERATES WITH NO FUEL (DRY OPERATION). THUS, MAKE SURE THAT THERE IS FUEL IN THE TANKS.

- (1) Do an operational test of the PUMP SEL and PUMP PWR switches of tank 1 as follows:
  - (a) Set the PUMP PWR switch of TANK 1 to ON position.  
Result:
    - 1 On the MFD fuel page, the "A" indication for the tank 1 pump comes into view.
  - (b) Set the PUMP SEL switch to the 1B position.  
Result:
    - 1 On the MFD fuel page, the "B" indication for the tank 1 pump comes into view.

- (c) Set the PUMP SEL switch to the 1C position.  
Result:
    - 1 On the MFD fuel page, the "C" indication for the tank 1 pump comes into view.
  - (d) Set the PUMP PWR switch of TANK 1 to OFF position.  
Result:
    - 1 On the MFD fuel page, the "OFF" indication for the tank 1 pump comes into view.
  - (e) Set the PUMP SEL switch to the 1A position.
- (2) Do an operational test of the PUMP SEL and PUMP PWR switches of tank 2 as follows:
- (a) Set the PUMP PWR switch of TANK 2 to the ON position.  
Result:
    - 1 On the MFD fuel page, the "A" indication for the tank 2 pump comes into view.
  - (b) Set the PUMP SEL switch to the 2B position.  
Result:
    - 1 On the MFD display, the "B" indication for the tank 2 pump comes into view.
  - (c) Set the PUMP SEL switch to the 2C position.  
Result:
    - 1 On the MFD display, the "C" indication for the tank 2 pump comes into view.
  - (d) Set the PUMP PWR switch of TANK 2 to the OFF position.  
Result:
    - 1 On the MFD display, the "OFF" indication for the tank 2 pump comes into view.
  - (e) Set the PUMP SEL switch to the 2A position.
- (3) Do an operational test of the XFEED switch as follows:
- (a) Set the XFEED switch to the LOW 1 position.  
Result:
    - 1 On the EICAS display, the FUEL XFEED OPEN advisory message comes into view.
  - (b) Set the XFEED switch to the LOW 2 position.  
Result:
    - 1 On the EICAS display, the FUEL XFEED OPEN advisory message comes into view.
  - (c) Set the XFEED switch to the OFF position.  
Result:
    - 1 On the EICAS display, the FUEL XFEED OPEN advisory message goes out of view.
- (4) Test the lighting of the fuel control panel as follows:

- (a) On the lighting control panel, on the overhead panel, turn the OVHD PNL LT knob from OFF to the BRT position.

Result:

- 1 On the fuel control panel, the legends come on.

- (b) On the lighting control panel, on the overhead panel, turn the OVHD PNL LT knob from BRT to the OFF position.

Result:

- 1 On the fuel control panel, the legends go off.

K. Follow on

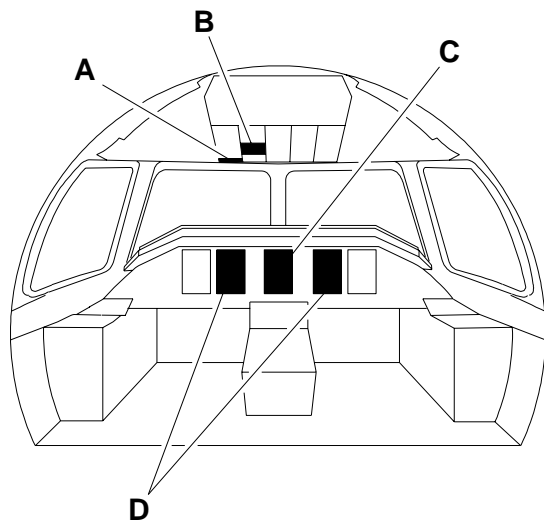
*SUBTASK 842-002-A*

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

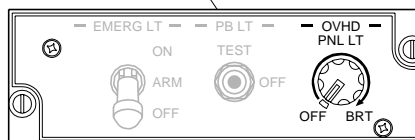
EFFECTIVITY: ALL

Fuel Control Panel - Operational Test

Figure 501

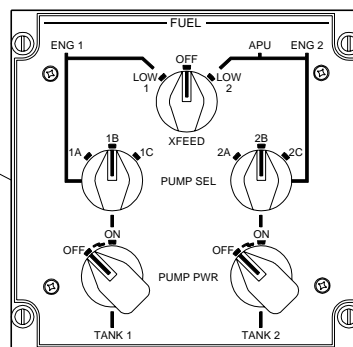


LIGHTNING CONTROL PANEL  
(OVERHEAD)



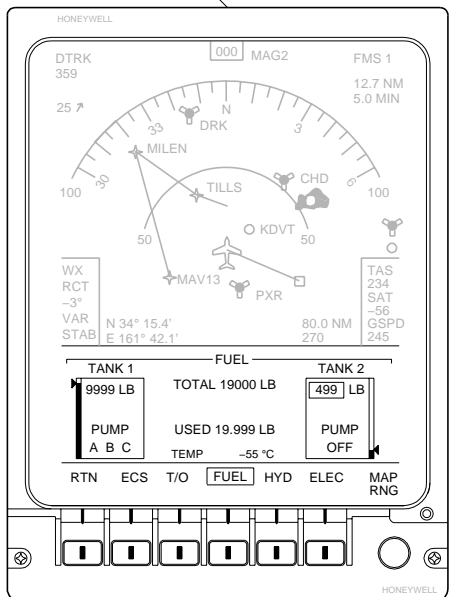
DET. A

FUEL CONTROL  
PANEL



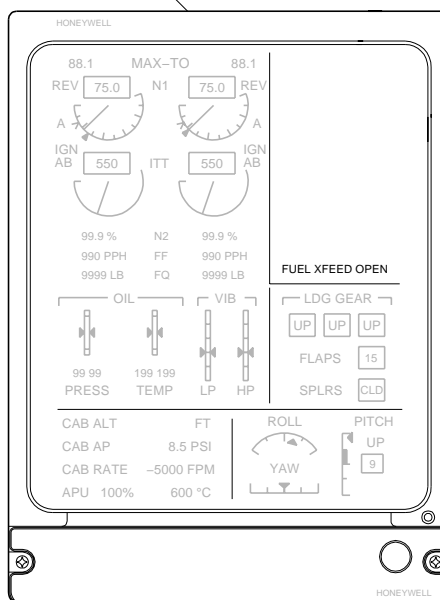
DET. B

MFD DISPLAY



DET. D

EICAS DISPLAY



DET. C

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