

ATA AIRLINES, INC.

ENGINE FUEL SPAR AND APU SHUTOFF VALVE BATTERY

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CHECK BEING PERFORMED: Custom

ZONES: 500 600
 A/C NUMBER:
 REV. DATE: 01/23/06
 FREQUENCY: 1C

W/C NUMBER: 321F2802 DATE:

REFERENCES

FIGURES 1 AND 2, WDM 28-21-21

MECH INSP

MPD ITEM: 28-125-00

OPERATIONALLY CHECK THE FUEL SHUTOFF VALVE BATTERY.

1. Fuel Shutoff Valve Battery - Test (Figures 1 and 2)

XXXXX A. Prepare for the Test

(1) Make sure these switches are in the positions shown:

SWITCH/CONTROL	POSITION	LOCATION
APU FIRE HANDLE	NORMAL	P8 AISLE STAND
FUEL CROSSFEED VALVE	CLOSED	P5 OVERHEAD PANEL
FUEL PUMP - TANK 1 - AFT	OFF	P5 OVERHEAD PANEL
FUEL PUMP - TANK 1 - FWD	OFF	P5 OVERHEAD PANEL
FUEL PUMP -CTR TANK LEFT	OFF	P5 OVERHEAD PANEL
FUEL PUMP - TANK 2 - AFT	OFF	P5 OVERHEAD PANEL
FUEL PUMP - TANK 2 - FWD	OFF	P5 OVERHEAD PANEL
FUEL PUMP-CTR TANK RIGHT	OFF	P5 OVERHEAD PANEL
L ENG FIRE HANDLE	NORMAL	P8 AISLE STAND
R ENG FIRE HANDLE	NORMAL	P8 AISLE STAND
ENG. NO. 1 START LEVER	CUTOFF	P8 AISLE STAND
ENG. NO. 2 START LEVER	CUTOFF	P8 AISLE STAND

(2) Make sure that these circuit breakers are closed:

(a) Circuit Breaker Panel, P6-2:

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MECH: INSP:

1) 6B19 APU FIRE SW POWER

(b) Circuit Breaker Panel, P6-3:

1) 6B3 FUEL SPAR VALVE ENG 2

2) 6B4 FUEL SPAR VALVE ENG 1

(c) Power Distribution Panel Number 1, P91:

1) 91D4 FUEL BOOST PUMP TANK 2 AFT

(d) Power Distribution Panel Number 2, P92:

1) 92D2 FUEL BOOST PUMP TANK 1 AFT

(3) Open these circuit breakers and attach DO-NOT-CLOSE tags:

1) Circuit Breaker Panel, P6-3:

a) 6C4 FUEL SHUTOFF VALVES PWR PACK

b) 6C6 FUEL SHUTOFF VALVES BUS

_____ XXXXX B. Fuel Shutoff Valve Battery Test

(1) Do these steps to test the fuel shutoff valve battery operation:

NOTE: This test makes sure the wiring and the diode R669 operate correctly (WDM 28-21-21). If the diode or wiring are bad the battery can lose its charge without flight deck indication.

NOTE: For this test, it is only necessary to test one spar valve.

(a) Put the left or right engine start lever to the IDLE position, on the P8 Control Stand.

(b) Make sure the indication light for the applicable engine fuel spar valve shows these

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CHECK BEING PERFORMED: Cust

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MECH: INSP:

effects:

- 1) The light goes from dim to bright to show a change in the valve position.
 - 2) The light goes off to show that the spar valve is open.
- (c) Put the same engine start lever to the CUTOFF position.
- (d) Make sure the indication light for the applicable engine fuel spar valve shows these effects:
- 1) The light comes on bright to show a change in the valve position.
 - 2) The light stays on dim to show that the spar valve is closed.
- (e) Remove the DO-NOT-CLOSE tags and close these circuit breakers:
- 1) Circuit Breaker Panel, P6-3:
 - a) 6C4 FUEL SHUTOFF VALVES PWR PACK
 - b) 6C6 FUEL SHUTOFF VALVES BUS

*****END OF WORKCARD*****



