

ATA AIRLINES, INC.

CENTER TANK FUEL SCAVENGE SHUTOFF VALVE

PAGE 1 / 4

CHECK BEING PERFORMED: Custom

ZONES: 211 212
A/C NUMBER:
REV. DATE: 04/21/99
FREQUENCY: 4C

W/C NUMBER: 221F2802 DATE:
W/O:
JAC CODE:

REFERENCES

1, 2 M.M.28-22-00, M.M.28-26-00/201, M.M.12-11-01/301 M.M.24-22-00/201

MECH INSP

FUNCTIONALLY CHECK THE CENTER TANK SCAVENGE SYSTEM FLOAT-OPERATED SHUTOFF VALVE.

1 TEST THE FLOAT-OPERATED SHUTOFF VALVE AS FOLLOWS:

A PREPARE FOR TEST

XXXXX 1 APPLY AIRCRAFT POWER, IF NOT ALREADY ACCOMPLISHED (REF 24-22-00).

XXXXX 2 PUT EACH OF THE SWITCHES INTO THE POSITION SHOWN:

Table with 3 columns: SWITCH, POSITION, LOCATION. Lists various fuel system components and their required states (e.g., FUEL CROSSFEED VALVE(S) OPEN, FUEL BOOST PUMPS OFF).

XXXXX 3 OPEN THE FOLLOWING CIRCUIT BREAKERS ON THE POWER DISTRIBUTION PANEL, P6 PANEL, AND ATTACH "DO-NOT-CLOSE" TAGS:

- 1 6E1, FUEL VALVES L SPAR
2 6E2, FUEL VALVES R SPAR
3 6E3, FUEL VALVES APU

CENTER TANK FUEL SCAVENGE SHUTOFF VALVE

PAGE:2 /4

A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 221F2802 (continued)

MECH: INSP:

- 4 6F14, L FUEL OVRD PUMP
- 5 6F20, R FUEL OVRD PUMP
- 6 6H14, L AFT FUEL BOOST PUMP
- 7 6H17, R FWD FUEL BOOST PUMP
- 8 6H20, R AFT FUEL BOOST PUMP
- 9 6H23, L FWD FUEL BOOST PUMP

_____ XXXXX 4 OPEN THE FOLLOWING CIRCUIT BREAKERS ON THE OVERHEAD CIRCUIT BREAKER PANEL, P11 PANEL, AND ATTACH "DO-NOT-CLOSE" TAGS:

- 1 11C33, FUEL DC PUMP PWR
- 2 11D35, FUEL DC PUMP CONT

B TEST THE FLOAT-OPERATED SHUTOFF VALVE.

_____ XXXXX 1 ENSURE THE FOLLOWING CIRCUIT BREAKERS ON THE P6 PANEL ARE CLOSED:

- A 6E4, FUELING QTY
- B 6E5, FUELING CONTROL
- C 6E6, FUELING VALVES

_____ XXXXX 2 ENSURE THE FOLLOWING CIRCUIT BREAKERS ON THE P11 PANEL ARE CLOSED:

- A 11C34, FUEL QTY 1
- B 11L19, FUEL QTY 2

_____ XXXXX 3 ENSURE THE FOLLOWING CIRCUIT BREAKERS ON THE P34 PANEL ARE CLOSED:

- A 34A9, FLNG VALVES

CENTER TANK FUEL SCAVENGE SHUTOFF VALVE

PAGE: 3 / 4

A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 221F2802 (continued)

MECH: INSP:

B 34A10, FUEL QTY

C 34A11, FLNG CONT

_____ XXXXX 4 REFUEL OR DEFUEL THE FUEL TANK SO THE LEFT MAIN FUEL TANK CONTAINS AT LEAST 4300 KGS (9400 LBS) OF FUEL AND THE CENTER FUEL TANK CONTAINS BETWEEN 200 KGS AND 400 KGS (500 LBS AND 800 LBS) OF FUEL.

NOTE: YOU CAN REFUEL THE AIRPLANE BY PRESSURE FUELING (REF.12-11-01) OR BY TANK TO TANK TRANSFER (REF.28-26-00).

_____ XXXXX 5 MAKE A WRITTEN RECORD OF THE FUEL QUANTITY IN THE CENTER FUEL TANK AS SHOWN ON THE OVERHEAD PANEL, P5.

_____ XXXXX 6 REMOVE THE "DO-NOT-CLOSE" TAG AND CLOSE THIS CIRCUIT BREAKER ON THE P6 PANEL:

A 6H23, L FWD FUEL BOOST PUMP

_____ XXXXX 7 PUSH THE "L FWD PUMPS" SWITCH-LIGHT ON THE FUEL MANAGEMENT CONTROL PANEL TO THE "ON" POSITION.

_____ XXXXX 8 LET THE LEFT FORWARD FUEL BOOST PUMP OPERATE FOR 1 HOUR AND 45 MINUTES.

NOTE: MOTIVE FLOW FROM THE LEFT FORWARD FUEL BOOST PUMP OPERATES THE SCAVENGE JET PUMP IN THE CENTER FUEL TANK. THE FLOAT-OPERATED SHUTOFF VALVE STOPS THE SCAVENGE FLOW FROM THE CENTER FUEL TANK TO THE MAIN FUEL TANK WHEN THE LEFT MAIN FUEL TANK IS OVER HALF FULL.

_____ XXXXX 9 ENSURE THE FUEL QUANTITY IN THE CENTER FUEL TANK DOES NOT DECREASE BY MORE THAN 100 KGS (220 LBS), AS SHOWN ON THE FUEL QUANTITY INDICATOR ON THE OVERHEAD PANEL, P5.

_____ XXXXX 10 ENSURE THE FUEL QUANTITY IN THE LEFT MAIN FUEL TANK DOES NOT INCREASE BY MORE THAN 100 KGS (200 LBS), AS SHOWN ON THE FUEL QUANTITY INDICATOR ON THE OVERHEAD PANEL, P5.

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MECH: INSP:

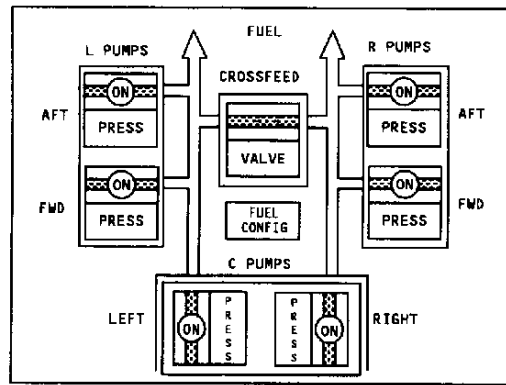
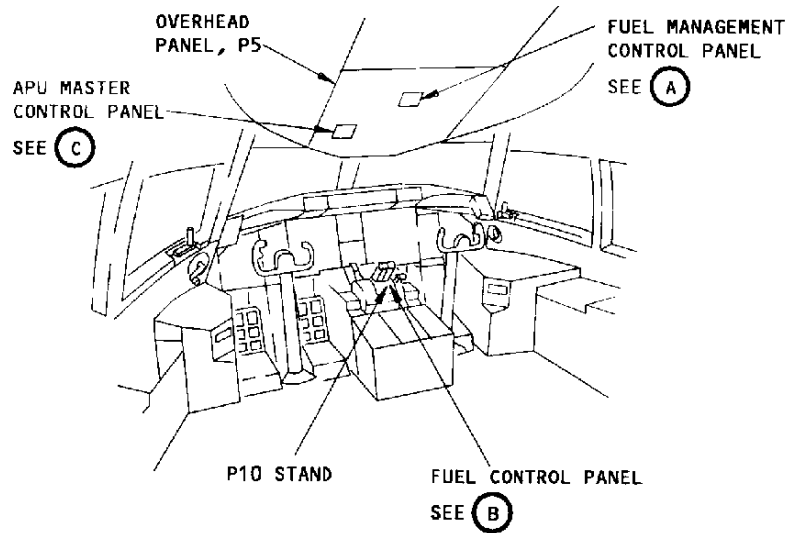
_____ XXXXX 11 PUSH THE "L FWD PUMPS" SWITCH-LIGHT ON THE FUEL
MANAGEMENT CONTROL PANEL TO THE "OFF" POSITION.

C PUT THE AIRCRAFT BACK TO ITS USUAL CONDITION AS FOLLOWS:

_____ XXXXX 1 REFUEL THE FUEL TANK IF NO MORE WORK IS NECESSARY
(REF.24-11-01).

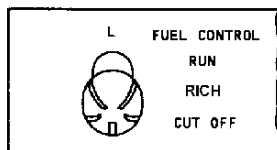
_____ XXXXX 2 REMOVE ELECTRICAL POWER IF IT IS NOT REQUIRED
(REF 24-22-00).

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



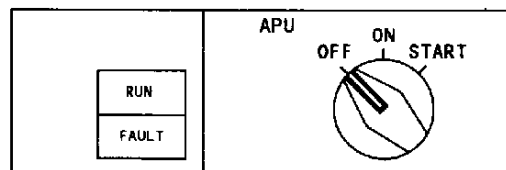
FUEL MANAGEMENT CONTROL PANEL

(A)



FUEL CONTROL PANEL

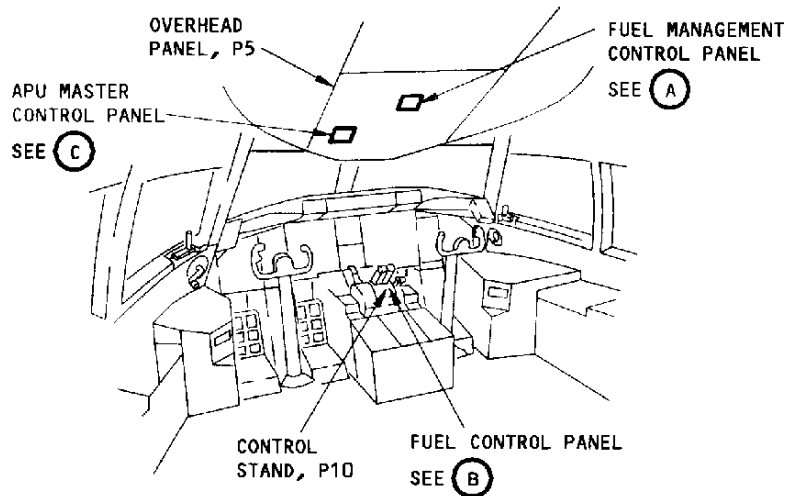
(B)



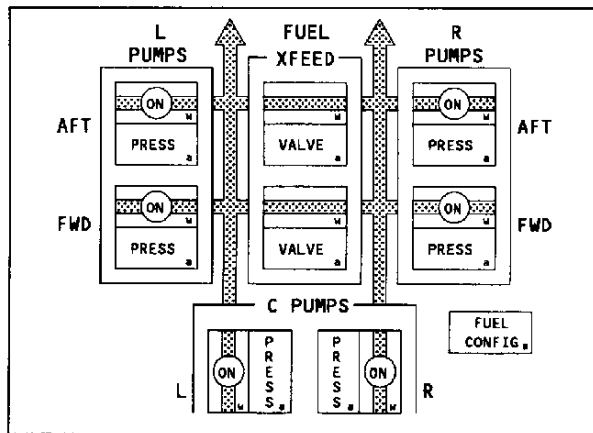
APU MASTER CONTROL PANEL

(C)

Flight Deck Controls and Indications

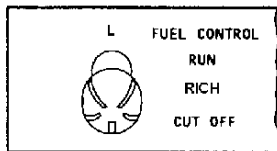


FLIGHT COMPARTMENT



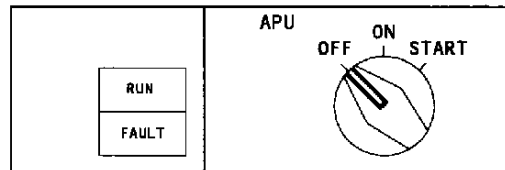
FUEL MANAGEMENT CONTROL PANEL

(A)



FUEL CONTROL PANEL

(B)



APU MASTER CONTROL PANEL

(C)

Flight Deck Controls and Indications