

ATA AIRLINES, INC.

CENTER TANK FUEL SCAVENGE SYSTEM OPERATIONAL CHECK

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CHECK BEING PERFORMED: Custom

ZONES: 211 212
A/C NUMBER:
REV. DATE: 04/21/99
FREQUENCY: 2C

W/C NUMBER: 221F2801 DATE:
W/O:
JAC CODE:

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.

1 TEST THE FUEL SCAVENGE SYSTEM 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, L FWD FUEL BOOST PUMP 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
4 6F14, L FUEL OVRD PUMP

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MECH: INSP:

-
- 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 FUEL SCAVENGE SYSTEM.

_____ 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
- B 34A10, FUEL QTY

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MECH: INSP:

C 34A11, FLNG CONT

XXXXX 4 REFUEL OR DEFUEL THE FUEL TANK SO THE LEFT MAIN FUEL TANK CONTAINS LESS THAN 2400 KGS (5300 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 MAKE A WRITTEN RECORD OF THE FUEL QUANTITY IN THE LEFT MAIN FUEL TANK AS SHOWN ON THE FUEL QUANTITY INDICATOR ON THE OVERHEAD PANEL, P5.

XXXXX 8 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 DRIVES THE SCAVENGE EJECTOR PUMP IN THE CENTER FUEL TANK.

XXXXX 9 ENSURE THE FUEL QUANTITY IN THE CENTER FUEL TANK DECREASES BY 100 KGS (220 LBS) MINIMUM, AS SHOWN ON THE FUEL QUANTITY INDICATOR ON THE OVERHEAD PANEL, P5.

XXXXX 10 ENSURE THE FUEL QUANTITY IN THE LEFT MAIN FUEL TANK INCREASES BY 100 KGS (200 LBS) MINIMUM, AS SHOWN ON THE FUEL QUANTITY INDICATOR ON THE OVERHEAD PANEL, P5.

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MECH: INSP:

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- _____ 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 MAKE A WRITTEN RECORD OF THE FUEL QUANTITY IN THE LEFT
MAIN FUEL TANK AS SHOWN ON THE FUEL QUANTITY INDICATOR ON
THE OVERHEAD PANEL, P5.

 - _____ XXXXX 3 REMOVE ELECTRICAL POWER IF IT IS NOT REQUIRED
(REF 24-22-00).

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