

ATA AIRLINES, INC.

LEFT ENGINE FUEL FLOW GOVERNOR IDLE RESET SOLENOID

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CHECK BEING PERFORMED: Custom

ZONES: 411
A/C NUMBER:
REV. DATE: 06/06/02
FREQUENCY: 1C

W/C NUMBER: 241F7301 DATE:
W/O:
JAC CODE:

PANELS

414AR

REFERENCES

FIGURE 1, AMM 24-22-00/201, 27-51-00/201, 32-09-02/201, 71-11-04/201

MECH INSP

MPD ITEM: R73-21-00-6C

VERIFY PROPER OPERATION OF THE LEFT ENGINE FUEL FLOW GOVERNOR
IDLE RESET SOLENOID

NOTE: FOR CONVENIENCE, WORK THIS CARD IN CONJUNCTION WITH
WORKCARD 242F7301, IF DESIRED.

1 EXAMINE THE FUEL CONTROL SYSTEM

A REFERENCES

- 1 AMM 24-22-00/201, ELECTRICAL POWER - CONTROL
- 2 AMM 27-51-00/201, TRAILING EDGE FLAP SYSTEM
- 3 AMM 32-09-02/201, AIR/GROUND RELAYS
- 4 AMM 71-11-04/201, FAN COWL PANELS

B PROCEDURE

CAUTION: OBEY THE PRECAUTIONS FOR THE KEVLAR WRAPPING WHEN
YOU OPEN THE FAN COWL PANEL. IF YOU DO NOT OBEY
THE PRECAUTIONS, DAMAGE TO THE KEVLAR WRAPPING CAN
OCCUR.

| _____ XXXXX 1 OPEN FAN COWL PANELS (AMM 71-11-04/201).

XXXXX _____ 2 EXAMINE THE CONDITION OF THE LEFT ENGINE COMPONENTS AND
RELATED WIRING THAT FOLLOW:

A DEDICATED GENERATOR CONTROL UNIT

B FUEL FLOW GOVERNOR SOLENOIDS

REVISION DATE: 06/06/02

ATA AIRLINES, INC. B757 FLEET

W/C #: 241F7301

DATE WORK CARD COMPLETE ___/___/___

A/C NUMBER:

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W/C NUMBER: 241F7301 (continued)

MECH: INSP:

- C FUEL FLOW TRANSMITTER
- D FUEL FILTER DIFFERENTIAL PRESSURE SWITCH
- E FUEL LOW PRESSURE SWITCH

WARNING: DO THE DEACTIVATION PROCEDURE FOR FLIGHT MODE SIMULATION BEFORE YOU OPEN THE AIR/GROUND CIRCUIT BREAKERS. WHEN YOU OPEN THE AIR/GND CIRCUIT BREAKERS, THE AIRPLANE IS IN THE FLIGHT MODE. IN THE FLIGHT MODE, MANY OF THE AIRPLANE SYSTEMS CAN CAUSE INJURIES TO PERSONS OR DAMAGE TO EQUIPMENT.

_____ XXXXX 3 DO THE DEACTIVATION PROCEDURE FOR FLIGHT MODE SIMULATION (AMM 32-09-02/201).

_____ 4 EXAMINE THE POWER INPUT SIGNAL TO THE LEFT ENGINE IDLE RESET SOLENOID OF THE FUEL FLOW GOVERNOR AS FOLLOWS (REF. FIGURE 1).

A DISCONNECT THE APPLICABLE ELECTRICAL CONNECTOR D1332 (OR D41048) FROM THE IDLE RESET SOLENOID ON THE FUEL FLOW GOVERNOR.

NOTE: THE ACCESS TO THE CONNECTOR D41048 IS EASIER.

B SUPPLY THE ELECTRICAL POWER (AMM 24-22-00/201).

C MAKE SURE THESE CIRCUIT BREAKERS ON THE OVERHEAD PANEL, P11, ARE CLOSED:

1 11L7, LEFT ENGINE IDLE CONTROL

2 11C30, LANDING GEAR POS SYS 1

D OPEN THIS CIRCUIT BREAKER ON THE P11 PANEL AND ATTACH A DO-NOT-CLOSE TAG:

1 11C19, LANDING GEAR POS 2 ALTN

E MAKE SURE THERE IS 28V DC AT PIN 1 OF CONNECTOR D1332 (OR D41048).

A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 241F7301 (continued)

MECH: INSP:

F OPEN THIS CIRCUIT BREAKER ON THE P11 PANEL AND ATTACH
A DO-NOT-CLOSE TAG:

1 11C30, LANDING GEAR POS SYS 1

G EXTEND THE FLAPS TO THE LANDING POSITION
(AMM 27-51-00/201).

H MAKE SURE THERE IS 0V DC AT PIN 1 OF CONNECTOR D1332
(OR D41048).

I RETRACT THE FLAPS (AMM 27-51-00/201).

J MAKE SURE THERE IS 28V DC AT PIN 1 OF CONNECTOR D1332
(OR D41048).

K MAKE SURE THIS CIRCUIT BREAKER ON THE P11 OVERHEAD
PANEL IS CLOSED:

1 11C27, ANTI-ICE ENG LEFT

L MOVE THE LEFT ENGINE ANTI-ICE SWITCH TO THE "ON"
POSITION.

M MAKE SURE THERE IS 0V DC AT PIN 1 OF CONNECTOR D1332
(OR D41048).

N MOVE THE LEFT ENGINE ANTI-ICE SWITCH TO THE "OFF"
POSITION.

O MAKE SURE THERE IS 28V DC AT PIN 1 OF CONNECTOR D1332
(OR D41048).

P OPEN THIS CIRCUIT BREAKER ON THE P11 PANEL AND ATTACH
A DO-NOT-CLOSE TAG:

1 11L7, LEFT ENGINE IDLE CONT

Q CONNECT THE APPLICABLE ELECTRICAL CONNECTOR D1332
(OR D41048) TO THE IDLE RESET SOLENOID ON THE FUEL
FLOW GOVERNOR.

R REMOVE THE DO-NOT-CLOSE TAGS AND CLOSE THESE CIRCUIT

A/C NUMBER:

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W/C NUMBER: 241F7301 (continued)

MECH: INSP:

BREAKERS ON THE P11 PANEL:

- 1 11L7, LEFT ENGINE IDLE CONTROL
- 2 11C30, LANDING GEAR POS SYS 1.

S REMOVE THE DO-NOT-CLOSE TAG AND CLOSE THIS CIRCUIT BREAKER ON THE P11 PANEL.

- 1 11C19, LANDING GEAR POS 2 ALTN

5 EXAMINE THE IDLE RESET SOLENOID OF THE FUEL FLOW GOVERNOR AS FOLLOWS (REF. FIGURE 1).

NOTE: THE OPERATION OF THE IDLE RESET SOLENOID CAN BE VERIFIED BY LISTENING OR FEELING THE SOLENOID FOR CLICKING WHEN POWER IS APPLIED OR REMOVED.

NOTE: A MECHANIC'S STETHOSCOPE MAY BE HELPFUL.

A MAKE SURE THESE CIRCUIT BREAKERS ON THE P11 OVERHEAD PANEL ARE CLOSED:

- 1 11L7, LEFT ENGINE IDLE CONT
- 2 11C30, LANDING GEAR POS SYS 1
- 3 11L33, RIGHT ENGINE IDLE CONT
- 4 11S23, LANDING GEAR POS SYS 2

B VERIFY THE IDLE RESET SOLENOID CLICKS WHEN THE FOLLOWING CIRCUIT BREAKER ON THE P11 PANEL IS OPENED AND AGAIN AFTER IT IS CLOSED:

NOTE: THERE WILL BE A 5 SECOND TIME DELAY BETWEEN THE TIME YOU OPEN OR CLOSE THE CIRCUIT BREAKER TO THE CLICK OF THE IDLE RESET SOLENOID.

- 1 11L7, LEFT ENGINE IDLE CONT

XXXXX

6 PUT THE AIRPLANE BACK TO THE GROUND MODE (AMM 32-09-02/201).

A/C NUMBER:

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W/C NUMBER: 241F7301 (continued)

MECH: INSP:

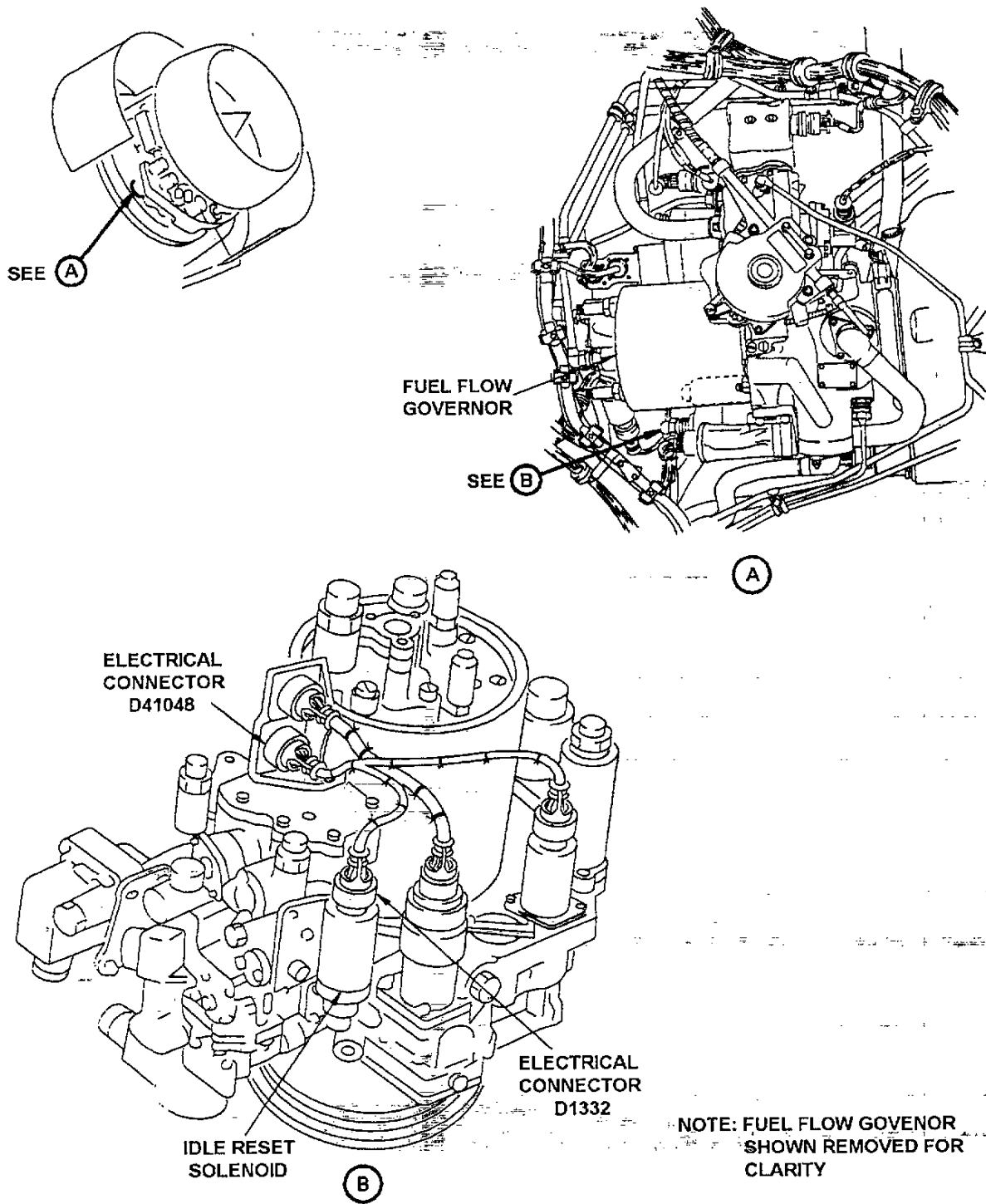
CAUTION: OBEY THE PRECAUTIONS FOR THE KEVLAR WRAPPING WHEN YOU CLOSE THE FAN COWL PANEL. IF YOU DO NOT OBEY THE PRECAUTIONS, DAMAGE TO THE KEVLAR WRAPPING CAN OCCUR.

|_____ XXXXX 7 CLOSE THE FAN COWL PANELS (AMM 71-11-04/201).

|_____ XXXXX 8 REMOVE THE ELECTRICAL POWER IF NO LONGER NEEDED (AMM 24-22-00/201).

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

241F7301



FUEL FLOW GOVERNOR FIGURE 1
IDLE RESET SOLENOID

10/04/1999