

ATA AIRLINES, INC.

INSTRUMENT BUS VOLTAGE SENSOR UNIT

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CHECK BEING PERFORMED: Custom

ZONES: 212
A/C NUMBER:
REV. DATE: 04/21/99
FREQUENCY: 1C

W/C NUMBER: 221A2401 DATE:
W/O:
JAC CODE:

MECH INSP

CHECK OPERATION OF INSTRUMENT BUS VOLTAGE SENSOR UNIT.
(IBVSU).

1 Operational Test - Instrument Bus Voltage Sensing Unit

NOTE: This is a scheduled maintenance task.

A References

- 1 24-22-00/201, Electrical Power - Control
- 2 27-61-00/201, Spoiler/Speedbrake Control System

B Prepare for the Test

WARNING: DO THE DEACTIVATION PROCEDURE FOR THE SPOILERS OR
MOVE ALL PERSONS AND EQUIPMENT AWAY FROM THE
SPOILERS. THE SPOILERS CAN RETRACT QUICKLY AND
CAUSE INJURY TO PERSONS OR DAMAGE TO EQUIPMENT.

- _____ XXXXX 1 Do the deactivation procedure for the spoilers
(Ref 27-61-00) or move all persons and equipment away
from the spoilers.
- _____ XXXXX 2 Make sure these circuit breakers on the main power
distribution panel, P6, are closed:
- a 6A17, 115 VAC BUS L SEC 2
 - b 6A23, 115 VAC BUS R SEC 2
 - c 6B4, BUS PWR CONT UNIT
 - d 6M16, CAPT PRIM INSTR BUS A
 - e 6M17, CAPT PRIM INSTR BUS B
 - f 6M18, CAPT PRIM INSTR BUS C
 - g 6M22, F/O PRIM INSTR BUS A

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MECH: INSP:

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- h 6M23, F/O PRIM INSTR BUS B
 - i 6M24, F/O PRIM INSTR BUS C
- _____ XXXXX 3 Make sure these circuit breakers on the overhead panel, P11, are closed:
- a 11Q6, F/O INST TRANSFER CONT
 - b 11Q7, F/O INST ALTN BUS A
 - c 11Q8, F/O INST ALTN BUS B
 - d 11Q9, F/O INST ALTN BUS C
 - e 11Q33, CAPT INSTR TRANSFER CONT
 - f 11Q34, CAPT INSTR ALT BUS A
 - g 11Q35, CAPT INSTR ALT BUS B
 - h 11Q36, CAPT INSTR ALT BUS C
 - i 11R4, UTIL BUS L
 - j 11R31, UTIL BUS R
 - k 11R32, BPCU SEC
- _____ XXXXX 4 Make sure these circuit breakers on the APU.external power panel, P34, are closed:
- a 34B2, PLATE A GROUND POWER BPCU
 - b 34E2, PLATE C GND SVCE BUS EXT PWR
- _____ XXXXX 5 Make sure this circuit on the left generator power panel, P31, is closed:
- a 31A2, PLATE A UTIL BUS LEFT
- _____ XXXXX 6 Make sure these circuit breakers on the right generator power panel, P32, are closed:

a 32A7, PLATE A UTIL BUS RIGHT

b 32A8, PLATE A R GEN BND SVCE BUS

_____ XXXXX 7 Make sure the six EICAS circuit breakers on the P11 panel are closed.

C. Do a Test of the Instrument Bus Voltage Sensing Unit.

_____ XXXXX 1 Do a test of the instrument bus voltage sensing units as follows:

a Supply external power to the main AC buses.
(Ref 24-22-00)

b Push the STATUS switch on the EICAS display select panel, P9.

c Make sure the EICAS message, CAPT INSTR XFER, does not show on the bottom display.

d Open this P6 panel circuit breaker:

1 6M16, CAPT PRIM INSTR BUS A

e Make sure the EICAS message, CAPT INSTR XFER, shows on the bottom display.

f Close this P6 panel circuit breaker:

1 6M16, CAPT PRIM INSTR BUS A

g Make sure the EICAS message, F/O INSTR XFER, does not show on the bottom display.

h Open this P6 panel circuit breaker:

1 6M22, F/O PRIM INSTR BUS A

i Make sure the EICAS message, F/O INSTR XFER, shows on the bottom display.

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j Close this P6 panel circuit breaker:

1 6M22, F/O PRIM INSTR BUS A

D Put the Airplane Back to Its Usual Condition

_____ XXXXX

1 Do the activation procedure for the spoilers if you did the deactivation procedure (Ref 27-61-00).

_____ XXXXX

2 Remove electrical power if it is not necessary (Ref 24-22-00).

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