

ATA AIRLINES, INC.

INSTRUMENT SOURCE SELECT PANEL

PAGE 1 / 11

CHECK BEING PERFORMED: Custom

ZONES: 211
A/C NUMBER:
REV. DATE: 10/02/01
FREQUENCY: 1A

W/C NUMBER: 221M3401 DATE:
W/O:
JAC CODE:

REFERENCES

AMM 24-22-00 PB 400, AMM 34-21-00 PB 500, AMM 34-26-00 PB200

MECH INSP

OPERATE INSTRUMENT SOURCE SELECT PANEL TO VERIFY PROPER OPERATION.

1 Instrument Source Select Switching Test

A References

- 1 24-22-00/401, Electrical Power - Control
- 2 34-21-00/501, Inertial Reference System
- 3 34-26-00/201, Air Data Inertial Reference System

B Prepare for Test

- 1 Supply electrical power (Ref 24-22-00)

C Procedure

CAUTION: DO NOT OPEN THE AIR DATA CMPTR. RIGHT CIRCUIT BREAKER WITH THE PITOT-STATIC SYSTEM PRESSURIZED. THIS CAN CAUSE DAMAGE TO THE EQUIPMENT.

XXXXX

- 1 Open these circuit breakers and attach DO-NOT-CLOSE tags:

a On the P11 panel:

- 1 11E9, FMCS CMPTR LEFT.
- 2 11E20, FLT CONT CMPTR PWR CENTER.
- 3 11E21, FLT CONT CMPTR SERVO CENTER.
- 4 For 757-200 aircraft only;
 - a 11F30 AIR DATA CMPTR RIGHT.

REVISION DATE: 10/02/01

ATA AIRLINES, INC. B757 FLEET

W/C #: 221M3401

DATE WORK CARD COMPLETE ___/___/___

INSTRUMENT SOURCE SELECT PANEL

A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 221M3401 (continued)

MECH: INSP:

-
- | 5 For 757-300 aircraft only;
 - | a 11F30, ADIRU AC RIGHT.
 - | b On the P6 panel:
 - | 1 For 757-300 aircraft only;
 - | a 6D5, ADIRS DC RIGHT
 - | _____ XXXXX 2 Make sure these circuit breakers on the P11 panel are closed:
 - | a EICAS (6 locations).
 - | _____ XXXXX 3 On the left and right EFIS control panels, set the HSI MODE control to the MAP position.
 - | _____ XXXXX 4 On the AFDS mode control panel, set the two F/D switches to the ON position.
 - | _____ XXXXX 5 Set the IRMP Panel.
 - | a For 757-200 aircraft only;
 - | 1 On the IRMP, set the left and right mode switches to the NAV position (Ref 34-21-00/201).
 - | NOTE: Make sure you permit time for the IRUs to align.
 - | 2 On the IRMP, set the center IRS control to the OFF position (Ref 34-21-00). Put position in RIGHT FMC CDU.
 - | b For 757-300 aircraft only;
 - | 1 On the IRMP, set the left, center, and right mode switches to the NAV position (AMM 34-26-00/201).
 - | NOTE: Make sure you permit time for the ADIRUs to align.

A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 221M3401 (continued)

MECH: INSP:

_____ XXXXX 6 Put the left and right instrument source select switches and controls in the positions indicated:

NOTE: Make sure that the non-rotary switches are illuminate when they are in the ALTN position.

| a FLT DIR - L position (left panel)

| b FLT DIR - R position (right panel)

| NOTE: The FD Position Switches are rotary switches
| and the NORM position is represented by
| rotating the switch until it is vertical
| pointing upwards.

| c For all except N521AT;

| 1 NAV - FMC-L position (left panel)

| 2 NAV - FMC-R position (right panel)

| d For N521AT only;

| 1 FMC - NORM (out)

| e EFI - NORM (out)

| f IRS - NORM (out)

| g For 757-200 aircraft only;

| 1 AIR DATA - NORM (out)

| h For 757-300 aircraft only;

| 1 AIR DATA - L (left panel)

| 2 AIR DATA - R (right panel)

|_____ XXXXX 7 Make sure that these displays have the indications that follow while in the MAP mode.

a Left and right EADIs:

A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 221M3401 (continued)

MECH: INSP:

1 For 757-200 aircraft only;

a Make sure that the flight director mode annunciation, FD, shows in the bottom right position.

2 For 757-300 aircraft only;

a Make sure that the flight director mode annunciation, FD, shows in the top right position.

b Left EHSI:

1 Make sure that the top left and right positions are blank.

c Right EHSI:

1 Make sure that three horizontal lines and the letters NM show in the top left position.

2 Make sure that six horizontal lines and the letter Z show in the top right position.

d EICAS DISPLAY:

1 Make sure that the INSTR SWITCH message does not show.

e Left altimeter and MASI:

1 Make sure that the failure flags do not show.

f Right altimeter and MASI:

1 Make sure that the failure flags show.

NOTE: In the steps that follow, only the display changes that are necessary to make sure of correct switch operation are given.

A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 221M3401 (continued)

MECH: INSP:

-
- |___ XXXXX 8 Put the left FLT DIR switch in the C position.
- a Left EADI:
- 1 Make sure that the FD annunciation goes out of view.
- |___ XXXXX 9 Put the right FLT DIR switch in the C position.
- a Right EADI:
- 1 Make sure that the FD annunciation goes out of view.
- |___ XXXXX 10 Put the left FLT DIR switch in the R position.
- a LEFT EADI:
- 1 Make sure that the FD annunciation shows.
- |___ XXXXX 11 Put the right FLT DIR switch in the L position.
- a Right EADI:
- 1 Make sure that the FD annunciation shows.
- |___ XXXXX 12 Put the left FLT DIR switch in the L position.
- |___ XXXXX 13 Put the right FLT DIR switch in the R position.
- |___ XXXXX 14 Set the FMC switches.
- a For all except A/C 521AT;
- 1 Put the left NAV switch in the FMC-R position.
- 2 Put the right NAV switch in the FMC-L position.
- b For aircraft 521AT only;
- 1 Put the left and right FMC switches in the ALTN position.

A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 221M3401 (continued)

MECH: INSP:

c Left EHSI:

- 1 Make sure that three horizontal lines and the letters NM show in the top left position.
- 2 Make sure that six horizontal lines and the letter Z show in the top right position.

d Right EHSI:

- 1 Make sure the top left and right positions are blank.

_____ XXXXX 15 Remove the DO-NOT-CLOSE tag and close this circuit breaker on the P11 panel:

a 11E9, FMCS CMPTR LEFT.

_____ XXXXX 16 Set FMC switches.

a For all except aircraft N521AT;

- 1 Put the left NAV switch in the FMC-L position.
- 2 Put the right NAV switch in the FMC-R position.

b For aircraft 521AT only;

- 1 Put the left and right FMC switches in the NORM position.

c Left and right EHSIs:

- 1 Make sure that three horizontal lines and the letters NM show in the top left position.
- 2 Make sure that six horizontal lines and the letter Z show in the top right position.

_____ XXXXX 17 On the left EFIS control panel, set the HSI MODE control to the PLAN position.

A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 221M3401 (continued)

MECH: INSP:

a Left EHSI:

1 Make sure that the PLAN mode shows.

|____ XXXXX 18 Put the left and right EFI switches in the ALTN position.

a EICAS Display:

1 Make sure that the INSTR SWITCH message shows.

b Left and right EHSIs:

1 Make sure that the PLAN mode shows.

|____ XXXXX 19 Put the right EFI switch in the NORM position.

a EICAS Display:

1 Make sure that the INSTR SWITCH message does not show.

b Right EHSI:

1 Make sure that the MAP mode shows.

|____ XXXXX 20 Put the right EFI switch in the ALTN position.

a EICAS Display:

1 Make sure that the INSTR SWITCH message shows.

b Right EHSI:

1 Make sure that the PLAN mode shows.

|____ XXXXX 21 Put the left EFI switch in the NORM position.

a EICAS Display:

1 Make sure that the INSTR SWITCH message does not show.

b Right EHSI:

1 Make sure that the MAP mode shows.

|_____ XXXXX 22 Put the right EFI switch in the NORM position.

a Make sure that the displays do not change.

|_____ XXXXX 23 On the left EFIS control panel, set the HSI MODE control to the MAP position.

a Left EHSI:

1 Make sure that the MAP mode shows.

|_____ XXXXX 24 Test the IRS switches.

a For 757-200 A/C only;

1 Put the left and right IRS switches in the ALTN position.

a Left and right EADIs:

1 Make sure that the ATT flag shows.

b For 757-300 aircraft only;

1 Put the right IRS switch in the ALTN position.

a Right EADI:

1 Make sure that the ATT flag does not show.

2 On the IRMP, set the center mode control to the OFF position.

a Right EADI:

1 Make sure that the ATT flag show.

A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 221M3401 (continued)

MECH: INSP:

| 3 Put the left IRS switch in the ALTN position.

| a Left EADI:

| 1 Make sure that the ATT flag shows.

|_____ XXXXX 25 Put the left and right IRS switches in the NORM position.

| a For 757-200 aircraft only;

| 1 Left and right EADIs:

| a Make sure that the ATT flag does not show.

| b For 757-300 aircraft only;

| 1 Left EADI:

| a Make sure that the ATT flag does not show.

| c For 757-300 aircraft only;

| 1 Right EADI:

| a Make sure that the ATT flag shows.

|_____ XXXXX 26 Test the Air Data switches Alternate position.

| a For 757-200 aircraft only;

| 1 Set the left and right AIR DATA switches to the ALTN position.

| b For 757-300 aircraft only;

| 1 Set the left AIR DATA switch to the R position.

| 2 Set the right AIR DATA switch to the L postion.

| c Left altimeter and MASI:

A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 221M3401 (continued)

MECH: INSP:

| 1 Make sure that the failure flags show.

| d Right altimeter and MASI:

| 1 Make sure that the failure flags do not
| show.

| _____ XXXXX 27 Set the Air Data switches as follows:

| a For 757-200 aircraft only;

| 1 Set the left and right AIR DATA switches to the
| NORM position.

| b For 757-300 aircraft only;

| 1 Set the left AIR DATA switch to the L position.

| 2 Set the right AIR DATA switch to the R postion.

| c Left altimeter and MASI:

| 1 Make sure that the failure flags do not
| show.

| d Right altimeter and MASI:

| 1 Make sure that the failure flags show.

D Put the Airplane Back to Its Usual Condition.

| _____ XXXXX 1 Remove the DO-NOT-CLOSE tags and close these circuit
| breakers:

| a On the P11 panel:

| 1 11E20, FLT CONT CMPTR PWR CENTER.

| 2 11E21, FLT CONT CMPTR SERVO CENTER.

| 3 For 757-200 aircraft only;

INSTRUMENT SOURCE SELECT PANEL

A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 221M3401 (continued)

MECH: INSP:

- | a 11F30 AIR DATA CMPTR RIGHT.
- | 4 For 757-300 aircraft only;
- | a 11F30, ADIRU AC RIGHT.
- | b On the P6 panel:
- | 1 For 757-300 aircraft only;
- | a 6D5, ADIRS DC RIGHT
- _____ XXXXX 2 On the IRMP, set the left and right mode controls to the OFF positon.
- _____ XXXXX 3 On the AFDS mode control panel, set the two F/D switches to the OFF position.
- _____ XXXXX 4 Remove electrical power if it is not necessary (Ref 24-22-00).

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