

ATA AIRLINES, INC.

ELEVATOR AUTOPILOT SERVO PRESSURE REGULATOR

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CHECK BEING PERFORMED: Custom

ZONES: 211 212
A/C NUMBER:
REV. DATE: 01/23/06
FREQUENCY: 1C

W/C NUMBER: 321F2707 DATE:

REFERENCES

AMM 24-22-00, 29-11-00

MECH INSP

MPD Item: 27-094-00

PERFORM A BITE CHECK OF THE ELEVATOR AUTOPILOT SERVO PRESSURE REGULATOR.

1. Autopilot Elevator Actuator Test

_____ XXXXX A. Prepare for the Test

- (1) Do this task: Supply Electrical Power (AMM TASK 24-22-00-860-811 p201).
- (2) Set the autopilot stab trim cutout switch, on the control stand, to the CUTOUT position.
- (3) Make sure that the VHF NAV and IRS switches, on the P5 forward overhead panel, are in the NORMAL positions.
- (4) Set the left and right IRS select switches, on the P5 aft overhead panel, to the ALIGN or NAV position.

WARNING: KEEP PERSONS AND EQUIPMENT AWAY FROM THE FLIGHT CONTROL SURFACES. THE AILERONS, ELEVATORS, RUDDER, FLAPS, SLATS, SPOILERS, STABILIZER AND NOSE GEAR CAN MOVE SUDDENLY WHEN YOU SUPPLY HYDRAULIC POWER. THIS CAN CAUSE INJURY TO PERSONS AND DAMAGE TO EQUIPMENT.

- (5) Supply hydraulic power to hydraulic systems A and B. To supply hydraulic power, do this task: Hydraulic System A or B Pressurization (AMM TASK 29-11-00-860-801 p201).

B. Procedure

_____ XXXXX (1) BITE test Channel A:

- (a) Push the INIT REF key on the CDU keyboard.

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(b) Push the Line Select Key (LSK) that is adjacent to each selection:

NOTE: If the CONTINUE shows during the BITE test, then do the instructions that show on the CDU display before you push the LSK that is adjacent to CONTINUE. Use the NEXT PAGE or PREV PAGE key to change page if it is necessary.

- 1) INDEX
- 2) MAINT
- 3) DFCS
- 4) EXTENDED MAINTENANCE
- 5) BITE LIBRARY TEST
- 6) CHANNEL A

NOTE: A/P elevator actuator A has interface with the Flight Control Computer A (Channel A). A/P elevator actuator B has interface with the Flight Control Computer B (Channel B).

- 7) RUN SELECT LIBRARY TESTS
- 8) 30 ELEV CONTROL
- 9) EXECUTE
- 10) Do the instructions that show on the CDU display to complete the test.

NOTE: Set Stab Position at 4 units and VAC to 0.00

- 11) Make sure that the test is completed

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with no failure or the "TEST FAILED" message does not show.

_____ XXXXX (2) BITE test Channel B:

(a) Push the INIT REF key on the CDU keyboard.

(b) Push the Line Select Key (LSK) that is adjacent to each selection:

NOTE: If the CONTINUE shows during the BITE test, then do the instructions that show on the CDU display before you push the LSK that is adjacent to CONTINUE. Use the NEXT PAGE or PREV PAGE key to change page if it is necessary.

- 1) INDEX
- 2) MAINT
- 3) DFCS
- 4) EXTENDED MAINTENANCE
- 5) BITE LIBRARY TEST
- 6) CHANNEL B

NOTE: A/P elevator actuator A has interface with the Flight Control Computer A (Channel A). A/P elevator actuator B has interface with the Flight Control Computer B (Channel B).

- 7) RUN SELECT LIBRARY TESTS
- 8) 30 ELEV CONTROL
- 9) EXECUTE

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10) Do the instructions that show on the CDU display to complete the test.

NOTE: Set Stab Position at 4 units and VAC to 0.00

11) Make sure that the test is completed with no failure or the "TEST FAILED" message does not show.

_____ XXXXX (3) BITE test Channels A and B:

(a) Push the INIT REF key on the CDU keyboard.

(b) Push the Line Select Key (LSK) that is adjacent to each selection:

NOTE: If the CONTINUE shows during the BITE test, then do the instructions that show on the CDU display before you push the LSK that is adjacent to CONTINUE. Use the NEXT PAGE or PREV PAGE key to change page if it is necessary.

- 1) INDEX
- 2) MAINT
- 3) DFCS
- 4) EXTENDED MAINTENANCE
- 5) BITE LIBRARY TEST
- 6) CHANNEL A and B

NOTE: A/P elevator actuator A has interface with the Flight Control Computer A (Channel A). A/P elevator actuator B has interface with the Flight Control Computer B

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(Channel B).

7) RUN SELECT LIBRARY TESTS

8) 30 ELEV CONTROL

9) EXECUTE

10) Do the instructions that show on the CDU display to complete the test.

NOTE: Set Stab Position at 4 units and VAC to 0.00

11) Make sure that the test is completed with no failure or the "TEST FAILED" message does not show.

XXXXX C. Put the Airplane Back to Its Usual Condition

(1) Push the captain's or first officer's autopilot disengage switch, on the control wheel, to make sure that the autopilot is disengaged.

(2) Make sure that this circuit breaker is closed:

(a) Circuit Breaker Panel, P6-3:

1) 6D18 LANDING GEAR AURAL WARN

(3) Set the autopilot stab trim cutout switch, on the control stand, to the NORMAL position.

(4) Remove hydraulic power from hydraulic systems A and B. To remove hydraulic power, do this task: Hydraulic System A or B Power Removal (AMM TASK 29-11-00-860-805 p201).

(5) Remove electrical power as required (AMM TASK 24-22-00-860-812 p201).

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