

# ATA AIRLINES, INC.

STANDBY RUDDER SYSTEM

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CHECK BEING PERFORMED: Custom

ZONES: 133 134 211 212 W/C NUMBER: 390F2901 DATE:  
A/C NUMBER:  
REV. DATE: 03/17/05  
FREQUENCY: 2A

## REFERENCES

AMM 24-22-00, 29-11-00, 29-11-01, 32-09-00

MECH INSP

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MPD Items: 27-052-00, 29-200-00, 29-230-00

1. Operational Test of the Standby Hydraulic Actuation System.

XXXXX A. Prepare for the Test.

- (1) Do this task: Supply Electrical Power  
(AMM TASK 24-22-00-860-811 p201).

WARNING: BE CAREFUL WHEN YOU OPEN/CLOSE CIRCUIT BREAKERS  
INSIDE THE P91 AND P92 PANELS AND POWER IS SUPPLIED  
TO THE PANELS. THERE IS A POTENTIAL FOR ELECTRIC  
SHOCK HAZARD. POSSIBLE INJURY TO PERSONNEL AND  
DAMAGE TO EQUIPMENT CAN OCCUR.

- (2) Open this circuit breaker and attach a DO-NOT-CLOSE tag:

NOTE: The Standby Hydraulic Pump circuit breaker is  
located behind the P92 front panel.

- (a) Power Distribution Panel Number 2, P92:

1) 92F2 STANDBY HYDRAULIC PUMP

- (3) Open these circuit breakers and attach DO-NOT-CLOSE  
tags:

- (a) Circuit Breaker Panel, P6-1:

1) 6B6 STICK SHAKER RIGHT

- (b) Circuit Breaker Panel, P18-2:

1) 18E4 STICK SHAKER LEFT

- (4) Pressurize the hydraulic system B reservoir. To  
pressurize it, do this task: Hydraulic Reservoirs  
Pressurization (AMM TASK 29-11-01-860-801 p201).

WARNING: MAKE SURE THAT PERSONS AND EQUIPMENT ARE CLEAR OF

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REVISION DATE: 03/17/05

ATA AIRLINES, INC. B737-800 FLEET

W/C #: 390F2901

DATE WORK CARD COMPLETE \_\_\_/\_\_\_/\_\_\_

STANDBY RUDDER SYSTEM

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A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 390F2901 (continued)

MECH: INSP:

ALL CONTROL SURFACE BEFORE YOU SUPPLY HYDRAULIC POWER. AILERONS, RUDDERS, ELEVATORS, FLAPS, SPOILERS, SLATS, AND THRUST REVERSERS CAN MOVE QUICKLY WHEN YOU SUPPLY HYDRAULIC POWER. THIS CAN CAUSE INJURY TO PERSONS AND DAMAGE TO EQUIPMENT.

- (5) Pressurize the hydraulic system B. To pressurize it, do this task: Hydraulic System A or B Pressurization (AMM TASK 29-11-00-860-801 p201).
- (6) Set the flap control lever to the one-unit position.
- (7) Remove pressure from hydraulic system B. To remove it, do this task: Hydraulic System A or B Power Removal (AMM TASK 29-11-00-860-805 p201).

XXXXX B. Operational Test of the Standby Hydraulic System.

- (1) Do the operational test of the standby hydraulic system:
  - (a) Set the FLT CONTROL A (B) switch on the forward overhead panel, P5, to the STDBY RUD position.
    - 1) Make sure the STANDBY HYD LOW PRESSURE light on the forward overhead panel, P5, comes on.
  - (b) Set the FLT CONTROL A(B) Switch on the forward overhead panel, P5, to the OFF position.
    - 1) Make sure the STANDBY HYD LOW PRESSURE light on the forward overhead panel, P5, goes off.
  - (c) Set the ALTERNATE FLAPS switch on the forward overhead panel, P5, to the ARM position.
    - 1) Make sure the STANDBY HYD LOW PRESSURE light comes on.
    - 2) If it is necessary, operate the rudder to remove the pressure from the standby hydraulic system.
  - (d) Set the ALTERNATE FLAPS switch on the forward overhead panel, P5, to the OFF position.

- 1) Make sure the STANDBY HYD LOW PRESSURE light on the forward overhead panel, P5, goes off.

WARNING: MAKE SURE THAT PERSONS AND EQUIPMENT ARE CLEAR OF RUDDER, THRUST REVERSERS, AND LEADING EDGE SLATS BEFORE YOU SUPPLY HYDRAULIC POWER. RUDDER, THRUST REVERSERS, AND LEADING EDGE SLATS CAN MOVE QUICKLY WHEN YOU SUPPLY HYDRAULIC POWER. THIS CAN CAUSE INJURY TO PERSONS AND DAMAGE TO EQUIPMENT.

WARNING: BE CAREFUL WHEN YOU OPEN/CLOSE CIRCUIT BREAKERS INSIDE THE P91 AND P92 PANELS AND POWER IS SUPPLIED TO THE PANELS. THERE IS A POTENTIAL FOR ELECTRIC SHOCK HAZARD. POSSIBLE INJURY TO PERSONNEL AND DAMAGE TO EQUIPMENT CAN OCCUR.

- (e) Remove the DO-NOT-CLOSE tag and close this circuit breaker:

NOTE: The Standby Hydraulic Pump circuit breaker is located behind the P92 front panel.

- 1) Power Distribution Panel Number 2, P92:

- a) 92F2 STANDBY HYDRAULIC PUMP

- (f) Set the FLT CONTROL A (B) switch on the forward overhead panel, P5, to the STDBY RUD position.

- 1) Make sure the standby electric motor-driven pump (EMDP) operates.

- 2) Make sure the STANDBY HYD LOW PRESSURE light on the forward overhead panel, P5, momentarily comes on then goes off.

- 3) Move the rudder pedals.

- a) Make sure that the rudder moves.

- (g) Set the FLT CONTROL A(B) switch on the forward

overhead panel, P5, to the OFF position.

1) Make sure the standby EMDP stops.

(h) Set the ALTERNATE FLAPS switch on the forward overhead panel, P5, to the ARM position.

1) Make sure the standby EMDP operates.

2) Make sure the STANDBY HYD LOW PRESSURE light on the forward overhead panel, P5, momentarily comes on then goes off.

(i) Set the ALTERNATE FLAPS switch on the forward overhead panel, P5. to the OFF position.

1) Make sure the standby EMDP stops.

(j) Set the FLT CONTROL A(B) switch to ON position.

WARNING: MAKE SURE THAT PERSONS AND EQUIPMENT ARE CLEAR OF LEADING EDGE SLATS BEFORE YOU SUPPLY HYDRAULIC POWER. LEADING EDGE SLATS CAN MOVE QUICKLY WHEN YOU PUSH THE AIR SENSING SWITCH. THIS CAN CAUSE INJURY TO PERSONS AND DAMAGE TO EQUIPMENT.

(k) Put the airplane in the air mode. To put the airplane in the air mode, do this task: Put the Airplane in the Air Mode (AMM TASK 32-09-00-860-801 p201)

(l) Put the airplane in the air mode.

1) Make sure the standby EMDP operates.

(m) Put the airplane in ground mode.

1) Make sure the standby EMDP stops.

(n) Set the FLT CONTROL A(B) switch to the OFF position.

\_\_\_\_\_ XXXXX C. Put the Airplane Back to Its Usual Condition.

