

ATA AIRLINES, INC.

RUDDER POWER CONTROL ACTUATOR

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CHECK BEING PERFORMED: Custom

ZONES: 211 212
A/C NUMBER:
REV. DATE: 04/21/99
FREQUENCY: 1C

W/C NUMBER: 221M2709 DATE:
W/O:
JAC CODE:

MECH INSP

PERFORM SINGLE HYDRAULIC SYSTEM CHECK OF EACH RUDDER PCA
USING EACH HYDRAULIC SYSTEM IN SEQUENCE.

1 Single Hydraulic Source Test

NOTE: This is a scheduled maintenance task.

A References

- 1 24-22-00/201, Electrical Power - Control
- 2 29-11-00/201, Main (Left, Right, and Center)
Hydraulic Systems

B Access

- 1 Location Zones
 - 211/212 Control Cabin
 - 320 Vertical Stabilizer and Rudder

C Prepare for the Test

_____ XXXXX 1 Supply electrical power (Ref 24-22-00/201).

WARNING: KEEP PERSONS AND EQUIPMENT AWAY FROM ALL CONTROL SURFACES WHEN HYDRAULIC POWER IS SUPPLIED. AILERONS, ELEVATORS, RUDDER, FLAPS, SLATS, SPOILERS, AND STABILIZER ARE FULLY POWERED SURFACES. INJURY TO PERSONS OR DAMAGE TO EQUIPMENT CAN OCCUR WHEN HYDRAULIC POWER IS SUPPLIED.

_____ XXXXX 2 Supply pressure to the left, right, and center hydraulic systems (Ref 29-11-00/201).

D Single Hydraulic System - Rudder Control Test

_____ XXXXX 1 Move the FLT CONTROL SHUTOFF switches C and R on the

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right side panel, P61, to the OFF position. Attach DO-NOT-OPERATE tags and make sure the switch position lights come ON.

- _____ XXXXX 2 Open these circuit breakers on the P11 panel and attach DO-NOT-CLOSE tags:
 - a 11H18, FLT CONT SHUTOFF TAIL CTR
 - b 11H28, FLT CONT SHUTOFF TAIL RIGHT

- _____ XXXXX 3 Operate the rudder pedals through their full travel range and do this check:
 - a Make sure the rudder operates correctly and smoothly in each direction.

- _____ XXXXX 4 Remove the power from the left hydraulic system (Ref 29-11-00/201)

WARNING: KEEP PERSONS AND EQUIPMENT AWAY FROM ALL CONTROL SURFACES WHEN HYDRAULIC POWER IS SUPPLIED. AILERONS, ELEVATORS, RUDDER FLAPS, SLATS, SPOILERS, AND STABILIZERS ARE FULLY POWERED SURFACES. INJURY TO PERSONS OR DAMAGE TO EQUIPMENT CAN OCCUR WHEN HDYRAULIC POWER IS SUPPLIED.

- _____ XXXXX 5 Remove the DO-NOT-CLOSE tag and close this circuit breaker on the P11 Panel:
 - a 11H18, FLT CONT SHUTOFF TAIL CTR

- _____ XXXXX 6 Remove the DO-NOT-CLOSE tag and move the FLT CONTROL SHUTOFF switch C on the P61 panel to the ON position. Make sure the correct switch position light is OFF.

- _____ XXXXX 7 Move the rudder pedals through their full travel range and do this check:
 - a Make sure the rudder operated correctly and smoothly in each direction.

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CHECK BEING PERFORMED: Cust

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MECH: INSP:

_____ XXXXX 8 Remove the power from the center hydraulic system. (Ref 29-11-00/201).

WARNING: KEEP PERSONS AND EQUIPMENT AWAY FROM ALL CONTROL SURFACES WHEN HYDRAULIC POWER IS SUPPLIED. AILERONS, ELEVATORS, RUDDER, FLAPS, SLATS, SPOILERS, AND STABILIZER ARE FULLY POWERED SURFACES. INJURY TO PERSONS OR DAMAGE TO EQUIPMENT CAN OCCUR WHEN HYDRAULIC POWER IS SUPPLIED.

_____ XXXXX 9 Remove the DO-NOT-CLOSE tag and close this circuit breaker on the P11 panel:

a 11H28, FLT CONT SHUTOFF TAIL RIGHT

_____ XXXXX 10 Remove the DO-NOT-CLOSE tag and move the FLT CONTROL SHUTOFF switch R on the P61 panel to the ON position. Make sure the correct switch position light is OFF.

_____ XXXXX 11 Move the rudder pedals through their full travel range and do this check:

a Make sure the rudder operates correctly and smoothly in each direction.

E Put the Airplane back to Its Usual Condition

_____ XXXXX 1 Remove the power from the right hydraulic system (ref 29-11-00/201).

_____ XXXXX 2 Remove the electrical power if it is not necessary. (Ref 24-22-00/201)

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