

ZONES: 100 200
 A/C NUMBER:
 REV. DATE: 11/01/07
 FREQUENCY: 2C

W/C NUMBER: 317F2701 DATE:

| TOOLS | DESCRIPTION | QTY |
|----------|--------------------------------|-----|
| C27066-1 | Aileron/Elevator PCU Input Rod | 1 |

REFERENCES

AMM 29-11-00, 32-00-01

MECH INSP

MPD ITEM:27-022-00

FUNCTIONALLY CHECK THE FORCE REQUIRED TO EXTEND AND COLLAPSE THE A AND B SYSTEM AILERON POWER CONTROL UNIT INPUT POGO'S.

A. Equipment

- (1) C27066-1 Tool -Lock Equipment,Aileron/Elevator PCU Input Rod (POGO)

B. References

- (1) AMM TASK 29-11-00-860-805 p201, Hydraulic System A or B Power Removal
- (2) AMM TASK 32-00-01-080-801 p201, Landing Gear Downlock Pins Removal
- (3) AMM TASK 32-00-01-480-801 p201, Landing Gear Downlock Pins Installation

1. Aileron Power Control Unit (PCU) Pogos -Functional Test

A. Procedure

WARNING: MAKE SURE THE DOWNLOCK PINS ARE INSTALLED ON ALL THE LANDING GEARS. WITHOUT THE DOWNLOCK PINS, THE LANDING GEARS COULD RETRACT AND CAUSE INJURIES TO PERSONS AND DAMAGE TO EQUIPMENT.

- | _____ XXXXX (1) If the downlock pins are not installed on all the landing gears, do this task: Landing Gear Downlock Pins Installation (AMM TASK 32-00-01-480-801 p201).
- | _____ XXXXX (2) Make sure you can freely install and remove rig pin A/S-15 in the aileron trim actuator.
- | _____ XXXXX (3) To remove power from hydraulic systems A and B, do this task: Hydraulic System A or B Power Removal (AMM TASK 29-11-00-860-805 p201).

A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 317F2701 (continued)

MECH: INSP:

(4) Do a functional test of the system A (lower) pogo:

(a) Install the tool, C27066-1 on system A (lower) aileron PCU piston.

NOTE: Make sure that tool, C27066-1 is installed correctly to prevent damage to the lockwire.

(b) Turn the Captain's control wheel clockwise from the neutral position until system A (lower) pogo's extend.

NOTE: Approximately 100 pounds force is necessary to turn the control wheel.

(c) Make sure the pogos extend approximately 0.20 inches minimum.

NOTE: Approximately 7 units of wheel required.

(d) Return the Captains' control wheel to the neutral position.

(e) Make sure that all four pogos retract to the original position.

(f) Remove the tool, C27066-1 from the system A (lower) aileron PCU piston and install on system B (upper) aileron PCU piston.

NOTE: Make sure that tool, C27066-1 is installed correctly to prevent damage to the lockwire.

(5) Do a functional test of the system B (upper) pogo:

(a) Turn the Captains' control wheel clockwise from the neutral position until system B (upper) pogo's extend.

NOTE: Approximately 100 pounds force is necessary to turn the control wheel.

(b) Make sure that the pogo's extent approximately 0.20 inches minimum.

AILERON POWER CONTROL UNITS

PAGE:3 /3

A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 317F2701 (continued)

MECH: INSP:

NOTE: Approximately 7 units of wheel required.

- (c) Return the Captain's control wheel to the neutral position.
- (d) Make sure that the pogo's retract to the original position.
- (e) Remove the tool, C27066-1 from the system B (upper) aileron PCU piston.
- (f) Do this task, do this task: Landing Gear Downlock Pins Removal (AMM TASK 32-00-01-080-801 p201).

_____ XXXXX

- (6) Put the airplane back to its usual condition.

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