

ZONES: 213
 A/C NUMBER:
 REV. DATE: 06/07/07
 FREQUENCY: 1A

W/C NUMBER: 721F3101 DATE:

REFERENCES

AMM 29-00-00

MECH INSP

MRB ITEM: 31-51-00-02

OPERATIONALLY CHECK THE TAKE-OFF WARNING SYSTEM

- _____ XXXXX 1. Make sure electrical power is available and all necessary circuit breakers are closed.
- _____ XXXXX 2. Chock the main landing gear wheels, if not already done.
3. Do an Operational Check of the Take-Off Warning System.
- WARNING: BEFORE OPERATING SPOILERS, MAKE CERTAIN THAT AREAS AROUND SPOILERS ARE CLEAR OF PERSONNEL AND EQUIPMENT.
- WARNING: BEFORE OPERATING FLAPS, MAKE CERTAIN THAT ENGINE 1 AND ENGINE 3 FAN REVERSER AND FAN COWL DOORS ARE CLOSED AND THAT AREAS AROUND FLAPS AND SLATS ARE CLEAR OF PERSONNEL AND EQUIPMENT.
- WARNING: BEFORE OPERATING HORIZONTAL STABILIZER, MAKE CERTAIN THAT AREAS AROUND STABILIZER AND ELEVATORS ARE CLEAR OF PERSONNEL AND EQUIPMENT AND THAT UPPER TAIL CONE DOORS ARE CLOSED.
- _____ XXXXX A. Pressurize all three hydraulic systems (Ref. AMM 29-00-00).
- _____ XXXXX B. Place thrust levers against idle stops.
- _____ XXXXX C. Place flat/slats handle to 15 degrees.
- _____ XXXXX D. Make sure speedbrake handle is unarmed and in RET position.
- _____ XXXXX E. Make sure horizontal stabilizer is positioned at 6 (+/-1/2) degrees.
- _____ XXXXX F. With parking brakes set to "ON", push all throttle levers forward approximately 2 inches, takeoff warning horn should sound. (Applicable only to airplanes with SB 32-86 incorporated).

WARNING: ENSURE AIRCRAFT MAIN WHEELS ARE CHOCKED. FAILURE TO DO SO COULD LEAD TO INJURY OF PERSONNEL OR DAMAGE TO EQUIPMENT.

TAKE-OFF WARNING SYSTEM

A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 721F3101 (continued)

MECH: INSP:

- _____ XXXXX G. Release parking brake, horn should stop sounding.
(Applicable only to airplanes with SB 32-86 incorporated).

- _____ XXXXX H. Place thrust levers to idle stop.

- _____ XXXXX I. Place flap/slat handle in 50 degree detent.

- _____ XXXXX J. Place No. 1 thrust lever 2 inches forward of idle stop.
(1) Takeoff warning horn should sound.

- _____ XXXXX K. Pull No. 1 thrust lever aft until horn stops sounding.

(1) Thrust lever should be at least .90 inch from idle stop.

(2) Pull thrust lever to idle position.

- _____ XXXXX L. Place No. 2 thrust lever 2 inches forward of idle stop.

(1) Takeoff warning should sound.

- _____ XXXXX M. Pull No. 2 thrust lever aft until horn stops.

(1) Thrust lever should be at least .90 inch from stop.

- _____ XXXXX N. Push all thrust levers forward 2 inches.

(1) Takeoff warning horn sounds.

- _____ XXXXX O. Slowly retract flap/slat handle to 22 degree detent.

(1) Takeoff warning horn should sound prior to flaps reaching 25 degrees.

- _____ XXXXX P. Place flap/slat handle in 0 degree detent.

(1) Horn should remain silent.

- _____ XXXXX Q. Place flap/slat handle in UP detent.

(1) Takeoff warning horn should sound.

- _____ XXXXX R. Lower flaps to 15 degrees indicated on flap position indicator.

A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 721F3101 (continued)

MECH: INSP:

(1) Horn should be silent.

_____ XXXXX S. Move speedbrake handle aft 1 1/4 (+/-1/2) inch.

(1) Takeoff warning horn should sound.

_____ XXXXX T. Move speedbrake handle to SPD BRK FULL and back to ground spoiler position.

(1) Horn should continue sounding.

WARNING: NORMAL ELECTRICAL POWER SUPPLY TO VARIOUS SYSTEMS IS INTERRUPTED WHEN GROUND SENSING CIRCUIT BREAKERS ARE OPENED. MAKE CERTAIN THAT SWITCHES AND CONTROLS OF AFFECTED SYSTEMS ARE IN CORRECT POSITIONS TO PREVENT INADVERTENT OPERATION OR SHUTDOWN OF EQUIPMENT.

_____ XXXXX U. Open L GROUND SENSING circuit breaker located on MISC area of upper main circuit breaker panel.

(1) Takeoff warning horn should stop sounding.

_____ XXXXX V. Close L GROUND SENSING CIRCUIT BREAKER.

(1) Takeoff warning horn should sound.

_____ XXXXX W. Move speed brake lever to retract position.

(1) Horn should stop sounding.

_____ XXXXX X. Operate horizontal stabilizer to full nose down position then to full nose up position.

(1) Takeoff warning horn should sound in all positions other than between 2 (+0-1) and 10 (+0.75-0) degrees nose up.

_____ XXXXX Y. Position stabilizer to neutral.

_____ XXXXX Z. Retract flaps/slats.

_____ XXXXX AA. Shut off hydraulic source.

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