

**ELECTRIC ELEVATOR TRIM - INSPECTION/CHECK****1. General**

A. This section has the inspections and checks necessary to keep the electric elevator trim in a serviceable condition.

**TASK 27-30-03-720****2. Electric Elevator Trim Operational Check**

## A. General

(1) This task gives the procedures to do a operational check for the electric elevator trim.

## B. Special Tools

(1) None

## C. Do an Electric Elevator Trim Operational Check

(1) Connect external electrical power to the airplane.

(2) Set the External Power Switch to BUS.

(3) Set the Battery switch to ON.

(4) Do a check to make sure that the left and the right elevator trim switch halves operate correctly.

(a) Move the right switch half forward to the DN position momentarily, then release it to the center position.

1 Make sure that the elevator trim wheel does not move.

(b) Move the right switch half aft to the UP position momentarily, then release it to the center position.

1 Make sure that the elevator trim wheel does not move.

(c) Move the left switch half forward to the DN position momentarily, then release it to the center position.

1 Make sure that the elevator trim wheel does not move.

(d) Move the left switch half aft to the UP position momentarily, then release it to the center position.

1 Make sure that the elevator trim wheel does not move.

(e) Move and hold the left and the right switch halves forward to the DN position and do the following before the elevators reach the full down position.

1 Make sure that the elevator travel direction is correct.

2 Push and release the A/P Trim Disconnect push button.

a Make sure that the trim wheel moved in proper direction and that it stopped movement when the A/P Trim Disconnect push button is pushed and held.

(f) Move and hold the left and the right switch halves aft to the UP position and do the following before the elevators reach the full up position.

1 Make sure that the elevator travel direction is correct.

2 Push and release the A/P Trim Disconnect push button.

a Make sure that the trim wheel moved in proper direction and that it stopped movement when the A/P Trim Disconnect push button is pushed and held.

(g) Release the left and the right switch halves to the center OFF position.

(h) Operate the system through the full range of travel and examine for binding, jerking movements, and sluggish operation.

(i) Examine the operating time for the full range of motion.

1 Airplanes equipped with King KFC-150 or -250 autopilot must complete the full range of travel from 26 to 38 seconds.

2 Airplanes equipped with King KFC-225 autopilot must complete the full range of travel from 16 to 24 seconds.

(5) Set the Battery switch to OFF.

(6) Set the External Power Switch to OFF.

(7) Disconnect the external electrical power unit from the airplane.

**END OF TASK**