

## ELECTRIC ELEVATOR TRIM - DESCRIPTION AND OPERATION

### 1. General

- A. Elevator trim on the Model 208 may be accomplished by a remote mounted electric motor that drives the elevator trim tab actuator.

### 2. Description and Operation

- A. Electric elevator trim system consists of two trim switches, and a disconnect switch located on pilot's control wheel, circuit breaker, electric trim actuator, and associated wiring. The electric trim actuator and clutch are located on a support on the control pedestal. A chain attaches the motor and clutch to elevator trim wheel. The electric trim clutch is disengaged from trim motor at all times except when motor is operating and, except when trim motor is operating, has no effect on manual trim operation. However, the electric elevator trim system is inoperative, whenever the autopilot system is turned on. If an unwanted power signal activates the trim disconnect switch, the clutch will disengage. In operation, one of the two trim switches provides power to run the trim motor up or down. The other trim switch provides power to the trim clutch. The clutch is grounded through the normally closed trim disconnect relay. If a fault occurs to cause power to keep the clutch on, the trim disconnect switch momentarily connects the clutch relay to ground. Then the clutch relay latches on until power is removed from the clutch.