MASTER WARNING AND ANNUNCIATOR PANEL - DESCRIPTION AND OPERATION

1. General

A. The annunciator panel is located in the upper portion of the instrument panel and provides emergency and normal operational information to the flight crew.

2. Description and Operation

A. The annunciator panel is has three different colored lenses.

(1) The red lenses include the ENGINE FIRE, OIL PRESS LOW, GENERATOR OFF, EMERGENCY PWR LEVER, VOLTAGE LOW, VACUUM LOW, RESERVOIR FUEL LOW, DOOR WARNING, BATTERY OVERHEAT (optional) and FUEL SELECT OFF.

(2) The amber lenses include the AUX FUEL PUMP ON, FUEL PRESS LOW, STARTER ENERGIZED, LEFT FUEL LOW, RIGHT FUEL FLOW LOW, STBY ELEC PWR ON (optional), INVERTER INOP, BATTERY HOT (optional), CHIP DETECTOR, STBY ELEC PWR INOP (optional), A/P B.C.

(3) The green lenses include the IGNITION ON, WINDSHIELD ANTI-ICE (optional), and DE-ICE PRESSURE (optional).

B. Protection for annunciator panel is given by two circuit breakers attached on the left sidewall circuit breaker panel ANNUN PANEL. When the Standby Alternator is installed, one annunciator circuit breaker is removed and this annunciator supply comes from the Keep Alive #2 circuit breaker in the Electrical Power Box through the Standby Power Switch. The annunciator panel will stay on until the Master Switch and Standby Power Switches are turned off. This is a reminder to turn the Standby Power Switch to OFF, this removes the annunciator and Alternator Control Unit drain from the battery.

C. There is an annunciator panel day/night selector switch, a press-to-test annunciator lamp switch, and a press-to-test fire detect switch installed adjacent to the left end of the annunciator panel. When in the NIGHT position, the day/night switch gives variable intensity down to a preset minimum dim level for the green lamps and some of the amber lamps (non-dimmable amber lamps are: AUX FUEL PUMP ON, FUEL PRESS LOW, and BATTERY HOT). This variable intensity is controlled by the ENG INST light rheostat.

D. The annunciator lamp test switch is used to test the annunciator lights. The fire detect switch will illuminate the Engine Fire annunciator light and also cause the fire warning horn to sound if the system is operational.

E. The Altair ADAS+ Engine Trend Monitoring System uses a divided switch-light installed at the top of the left instrument panel to indicate when the system senses an unwanted condition. The switch-light has a white half and an amber half. The Altair ADAS$_d$ Engine Trend Monitoring System uses a CAS message to display system conditions. For more information on the Altair ADAS+ Engine Trend Monitoring System, refer to Chapter 77 Altair ADAS+ Engine Trend Monitoring System - Description and Operation. For more information on the Altair ADAS$_d$ Engine Trend Monitoring System, refer to Chapter 77 Altair ADAS$_d$ Engine Trend Monitoring System - Description and Operation