

G550 OVERHEAD PANEL SWITCHES

ENGINE START

CRANK MASTER: Enables alternate start mode and wet/dry crank mode. EEC cannot control ignition in this mode. You must select CONTINUOUS IGNITION. Load control valve opens and RIGHT ECS PACK shuts down when pressed. (WOW wheels only).

START MASTER: Initiates the EEC controlled Start mode. EEC controls ignition through HPSOV. APU load control valve opens and RIGHT ECS PACK shuts down. (WOW wheels only).

L/R ENG START: With CRANK master ON, initiates crank cycle. With START master ON, it initiates the start sequence. Either way, the LEFT ECS PACK shuts down and the Starter Air Valve opens. During AUTO start, Master turns OFF at 47%HP RPM (REF QRH), closes the SAV and turns the LEFT ECS PACK ON. During CRANK cycle, you must select the MASTER OFF first – otherwise START MASTER CONFIG CAS.

HYDRAULIC CONTROL

PTU-ARM: Automatic operation if:

- 1) Left Sys Pressure <1500 psi
- 2) Left Sys QTY > 1.5 gallons
- 3) Right Sys Temp < 104.4°C
- 4) Right Sys Pressure Available

PTU-ON: Automatic operation if Right Sys has pressure available regardless of temp.

AUX-ARM: Automatic operation if:

- 1) Left Sys & PTU <1500 psi
- 2) Brake pedals depressed > 10⁰

AUX PUMP: Also operates if:

- 1) Main Entrance Door closing
- 2) STBY Rudder ON
- 3) GND SVC Lever used-gear doors

ANN LIGHTS: All 244 (?) lights with the exception of 5. Fire Handles (2), Fuel Control Switches (2) & PAX O2 (1)

FUEL SYSTEM TEST: Amber 7000 – 7000 – 14000 (Inverse Video) + L/R Fuel Level Low (AMBER).

DOOR SAFETY: When activated, door electrical system cannot function.

DUMP VALVE: Dump valve has been activated; means the shuttle valves have been positioned to allow nitrogen into the sys. Select off and the valves reposition to allow hydraulic fluid back to retract the landing gear in case of emergency.

FDR/MDAU EVENT: SNAPSHOT. 30 seconds prior to 1 minute after event (for maintenance info').

MAIN BATTS ON: Lights on if:

- 1) Batteries are powering the ESS DC Bus
- 2) AUX Pump ON
- 3) APU Start
- 4) Chargers are in the TR Mode

GND SVC LIGHT: GND SVC Bus is powered by:

- 1) Right Main DC (only source in the air)
- 2) External DC Power cart
- 3) Right Main Battery

Can be selected on with:

- 1) Electrical Gnd SVC Panel (tail compartment)
- 2) FWD Ext SVC Panel (nose compartment)
- 3) Systems Monitor Test Panel (cockpit)