DOCKET NO. **SA- 516**

EXHIBIT NO. **2E**

NATIONAL TRANSPORTATION SAFETY BOARD
WASHINGTON, D.C

FUELING PANEL, LEFT WING FUELING STATION

FUELING PANEL LEFT WING FUELING STATION

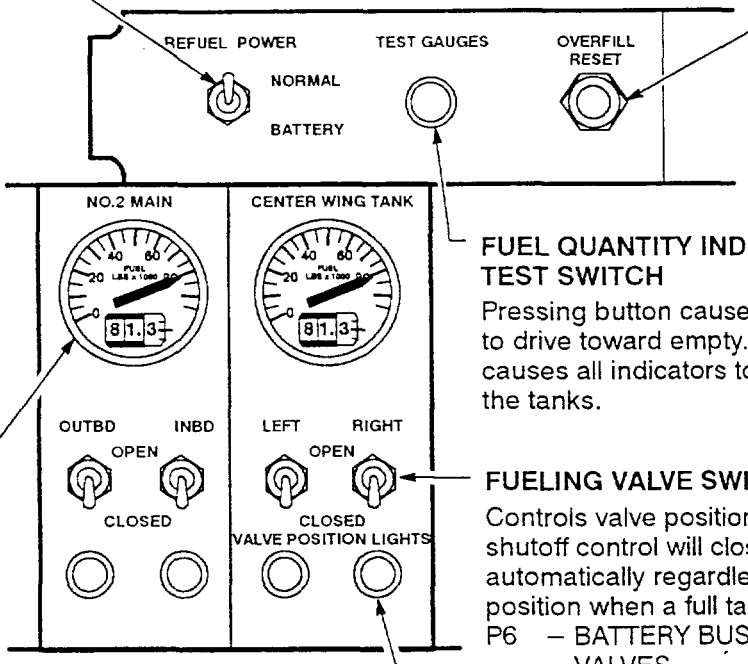
OVERFILL RESET SWITCH (Some airplanes)

A float switch in each surge tank closes all refuel valves when a tank is overfilled. When the fuel drains from the surge tank, the float switch opens. However, the fueling valves cannot be opened until the Overfill Reset Switch is pressed.

REFUEL POWER SWITCH

NORMAL – Both 115V and 28V DC power is supplied to fueling circuits. 115V AC is supplied to fuel quantity indicating and volumetric shutoff circuits. 28V DC power is supplied to fueling valves and position light circuits.

BATTERY – Activates static inverter when refueling without normal AC power. The Main Battery switch must be on.



FUEL QUANTITY INDICATOR TEST SWITCH

Pressing button causes all tank indicators to drive toward empty. Releasing button causes all indicators to indicate fuel in the tanks.

FUEL QUANTITY INDICATOR (TYPICAL)

Indicates fuel quantity remaining in the fuel tank. Indicators connected to corresponding indicators at the engineer's panel.

P6 – AC BUS 1 – FUEL QUANTITY REFUEL.

FUELING VALVE SWITCH

Controls valve position. Volumetric shutoff control will close fueling valve automatically regardless of switch position when a full tank is sensed.

P6 – BATTERY BUS – FUELING VALVES.

P14 – GROUND HANDLING BUS – FUELING VALVES.

VALVE POSITION LIGHT (BLUE)

Light on indicates the fueling valve is open.

COMPONENTS – PRESSURE FUELING SYSTEM

LEFT & RIGHT WING