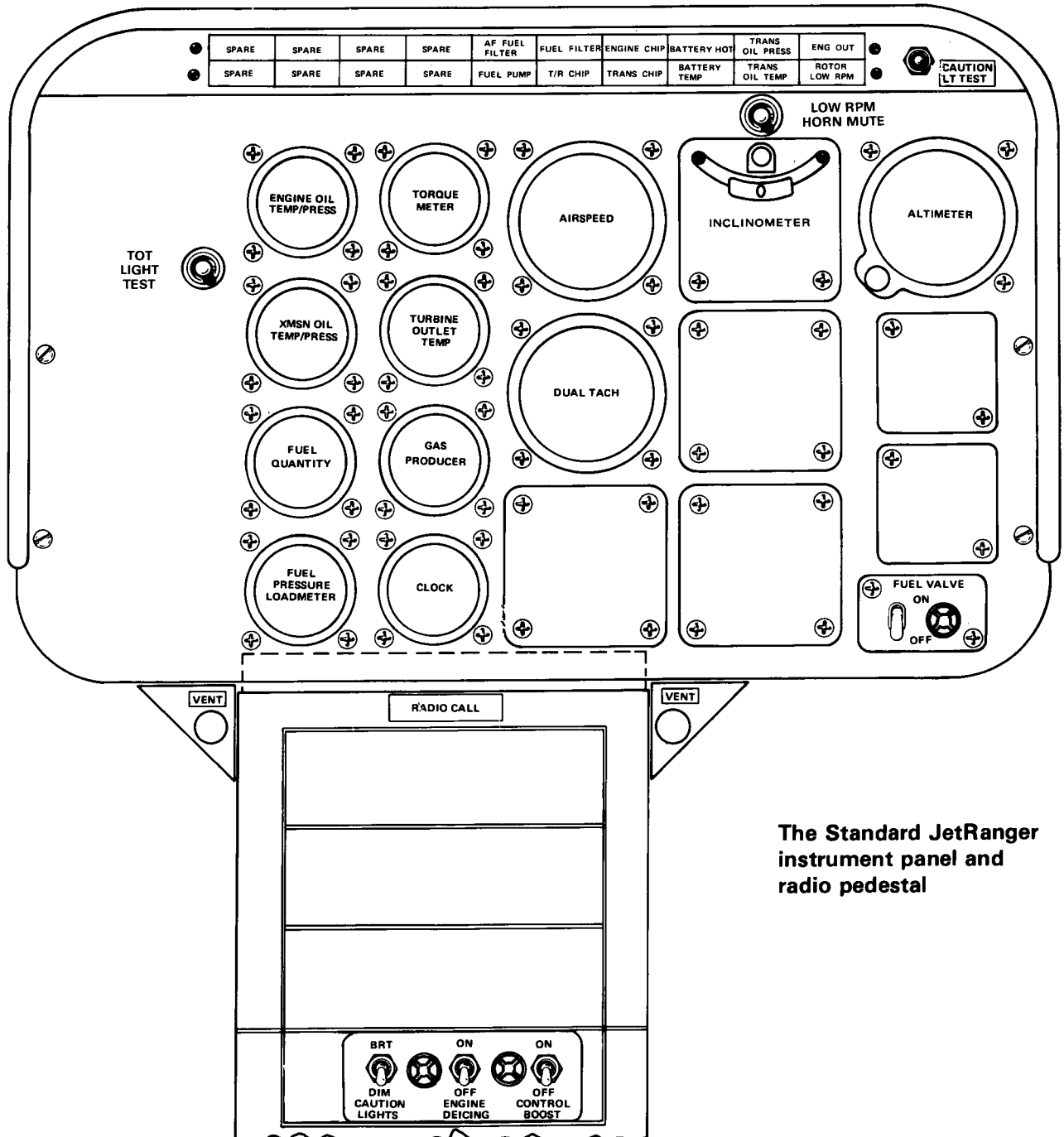




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BELL 206B JETRANGER III



The Standard JetRanger
instrument panel and
radio pedestal



The inclinometer is a curved glass tube and ball indicating level flight and coordinated turns.

The altimeter is a static air-vented system indicating altitude from minus 1000 to plus 20,000 feet. It is calibrated in inches of mercury and is 7.6 cm (3 inches) in size.

The 8-day clock shows the time. It has a sweep-second pointer.

The fuel quantity gauge indicates in U.S. gallons.

The fuel pressure and loadmeter gauge indicates the fuel pressure to the engine in pounds per square inch and the electrical load on the dc generator.

Space saving in the panel is obtained by using small engine and transmission gauges, by combining instruments, and by substituting caution lights for gauges.

The engine instruments are as follows:

Dual tachometer	Indicates engine power turbine rpm and main rotor rpm (in percentage of power turbine and rotor rpm).
Torquemeter	A wet-line type indicator displays torque output of engine in percentage of maximum allowable torque.
Transmission oil pressure and temperature	A wet-line type dual indicator indicates pressure (psig) and temperature (°C) of transmission oil.
Engine oil pressure	A wet-line type dual indicator indicates engine oil pressure and and temperature (psig) and temperature (°C).
Gas producer tachometer	Indicates gas producer speed in percentage of rpm.
Turbine outlet temperature (TOT)	A servo type with an expanded scale. It indicates the turbine outlet temperature in degrees Celsius sensed by thermocouples mounted at the gas producer turbine outlet of the engine. The needle goes to zero when power is shut off. A red warning light is incorporated on the face of the TOT indicator. It will illuminate if the red line temperature of 810 to 927 degrees is exceeded for 10 seconds; 927 degree or higher for 1 second. It will remain illuminated until power is removed or the circuit is reset by the technician. If not reset, the light will come on any time power is applied. The TOTLT TEST button is to aid in the adjustment of the temperature that activates the light, and provides assurance that the sensing circuit is functional.