

power unit connected to the primary system on the same side as the engine being started (No. 1 system left side, No. 2 system right side) or from an operating engine on the same side. (Refer to "Engine Starting System" in this section.)

#### HYDRAULIC PRESSURE GAGES.

The pressure in each of the four hydraulic systems is indicated on four individual gages (11 and 12, figure 1-5) on the center instrument panel. The pressure gages are powered by the essential ac bus. The gages are calibrated in 500 psi increments from 0 to 6000 psi.

#### HYDRAULIC RESERVOIR FLUID LEVEL INDICATORS AND INDICATOR SELECTOR SWITCHES.

Two hydraulic reservoir fluid level indicators and indicator selector switches (10A, and 10B, figure 1-5) are on the center instrument panel. Each indicator shows the fluid level in either of two hydraulic reservoirs according to the setting of the adjacent indicator selector switch. The left indicator shows the primary system No. 1 reservoir fluid level when the left selector switch is at PRI 1, and shows the utility system No. 1 reservoir level when the switch is at UT 1. The right indicator shows reservoir fluid level in the primary system No. 2 or utility system No. 2 when the right selector switch is at PRI 2 or UT 2, respectively. A bezel on each indicator is graduated in 10-percent increments, from 0 to 200. The 100-percent (FULL) reading indicates a fully-serviced system during static, on-the-ground conditions. Indicator readings above or below the 100 percent mark can occur as the result of normal operational demands on the respective system. A center-pivoted bar joins the two selector switches and causes a diagonal movement of both switches when either is moved. This prevents simultaneous selection of fluid level indications for both primary or both utility systems. However, if such a selection is necessary, the switch bar can be pulled off its pivot pin to permit unrestricted movement of the selector switches. The hydraulic reservoir fluid

level indicator system is powered by the right primary ac bus.

#### HYDRAULIC SYSTEM SELECTOR SWITCH.

The hydraulic system selector switch (19, figure 1-12) is on the ground test panel in the electronic equipment compartment. The 8-position selector switch is used to check hydraulic reservoir fluid level\*, hydraulic reservoir nitrogen head pressure\*, and engine hydraulic-accessory drive system gaseous nitrogen quantity. The PRI SYS NO. 1, PRI SYS NO. 2, UT SYS NO. 1, and UT SYS NO. 2 positions are used for checking the hydraulic systems\*; the NO. 1 ADS BOTTLE, NO. 2 ADS BOTTLE, and NO. 3 ADS BOTTLE positions are used for checking ADS gaseous nitrogen quantity. The selector switch receives power from the essential and right primary ac busses. When the selector switch is moved to OFF, the hydraulic reservoir fluid level indicator\* and the gaseous nitrogen quantity indicator stay at the last setting, and the reservoir nitrogen head pressure gage\* goes to 0.

#### GASEOUS NITROGEN QUANTITY INDICATOR TEST SWITCH.

Refer to "Nitrogen Systems" in this section.

#### HYDRAULIC RESERVOIR FLUID LEVEL INDICATOR.\*

The hydraulic reservoir fluid level indicator (1, figure 1-12), on the ground test panel in the electronic equipment compartment, is powered by the right primary ac bus. The indicator shows the fluid level in each of the four hydraulic reservoirs, depending on the setting of the hydraulic systems selector switch.

\*Airplane AF52-001