

## 90, A90, B90, C90, C90A, E90 SERIES KING AIR

### **Ground Handling**

#### **Battery**

The electrical system utilizes one 24V, Ni-Cad battery, located in the wing between the right engine nacelle and the fuselage. Access is gained by opening a panel in the top of the wing.

#### **Emergency Exits**

Left rear cabin door. Rear cabin window on right side has emergency release.

#### **External Power**

A standard AN-type external power receptacle is located outboard on the right engine nacelle under the wing. This aircraft requires a 28V, DC, negative ground power unit.

**CAUTION: Battery switch must be ON and all electrical switches OFF prior to connecting ground power unit plug; assure that avionics power is OFF prior to turning the ground power unit ON. Battery must be ON anytime ground power unit is in use. Generator switch must be OFF while using external power.**

#### **Fueling**

The 90, A90, B90, C90 standard configuration incorporates one tank in each nacelle and a series of interconnected fuel cells in each wing. The filler caps are located on top of the nacelles, and midway between the nacelles and the wingtips. The nacelle tanks should be serviced first. E90 has a series of bladder fuel cells and an integral fuel tank which are interconnected in each wing with one filler cap at the extreme wingtip. There is one bladder cell in the center wing section between the fuselage and the nacelle on both sides of the fuselage; each cell has a filler cap. The wing cells and center section cell on each side of the airplane are independent of each other, and are not interconnected. Minimum grade: turbine; Maximum capacity: 386 gals. usable (90, A90, B90, C90), 474 gals. usable (E90)

**NOTE:** On E90 series, the nacelle filler point is for maintenance only.

#### **Grounding**

Static grounding requires the fuel dispenser be grounded to the landing gear.

#### **Hydraulic Reservoir**

The brake cylinder reservoir is located in the upper left corner of the nose radio compartment bulkhead. Access is gained through a panel on the left side of the nose. The fluid level should be maintained to within one inch of the top of the reservoir. Fluid type: MIL-H-5606 red hydraulic fluid. Hydraulic landing gear was incorporated in the King Air 90 series aircraft effective LJ-1063 and after. The main landing gear hydraulic power pack is located in the center of the center section, forward of the main spar, under the center aisle floorboard. The fill reservoir is located on top of the left wing, inboard of the engine nacelle. Refer to the Maintenance Manual, Chapter 12, for servicing. -

## **Hoist / Lifting**

Strap sling hoisting should be accomplished with a strap around the bulkhead at F.S. 107.0 and F.S. 266.5. Pick up point when spreader bar and single pick up is used should be at F.S. 147.0.

## **Engine Oil**

The filler neck and dipstick are located on the accessory case. The dipstick is marked to indicate the amount of oil required to fill the tank. Capacity: 2.3 gals. (each engine); Type: turbine.

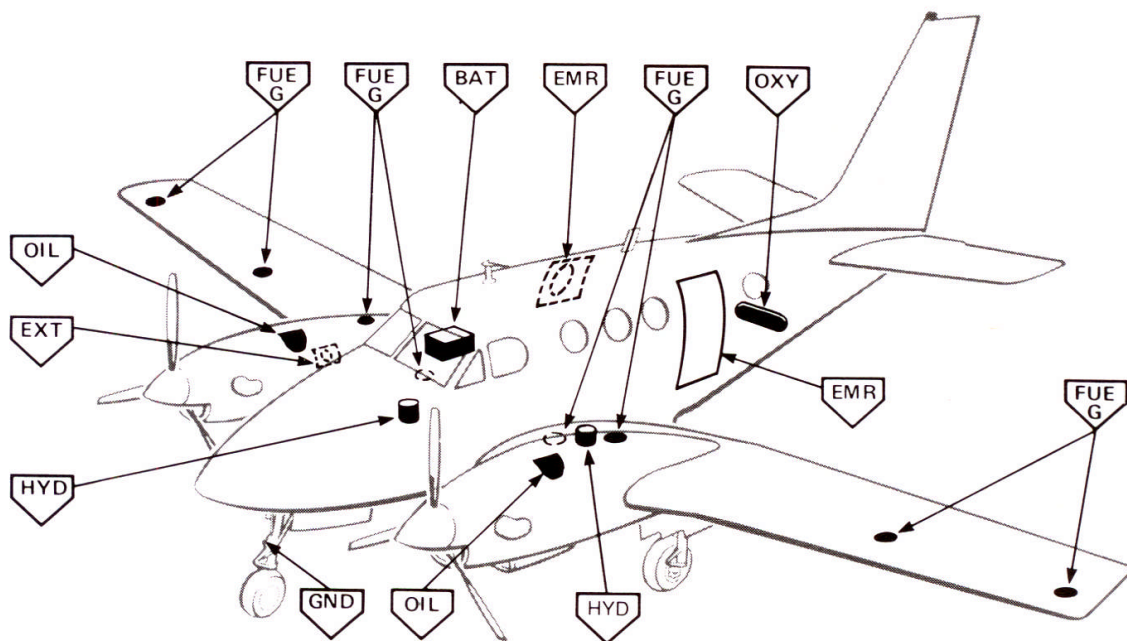
**CAUTION: The filler cap seal must be clean and the cap properly secured, or most of the oil will be pumped out when the engine is started.**

## **Oxygen Service**

Access to the oxygen fill point is gained by removing the protective cover on the right rear of the fuselage.

## **Parking Brake**

The parking brake is engaged by pulling out the parking brake control and depressing the pilot's brake pedals. The brake is released by depressing the pedals and pushing the control forward.



## SERVICING CODES

<b>AIR</b>	<b>Nitrogen Bottle Servicing</b>	<b>GND</b>	<b>Static Ground Points</b>
<b>ANI</b>	<b>Anti-Ice Fluid Reservoir</b>	<b>HYD</b>	<b>Hydraulic Reservoir</b>
<b>BAT</b>	<b>Battery</b>	<b>HOI</b>	<b>Hoisting / Lifting</b>
<b>EMR</b>	<b>Emergency Entrance Or Exits</b>	<b>OIL</b>	<b>Engine Oil</b>
<b>EXT</b>	<b>External Power Receptacle</b>	<b>OXY</b>	<b>Oxygen</b>
<b>FUE G</b>	<b>Fueling Filler Point (gravity)</b>	<b>PAR</b>	<b>Parking Brake</b>