DC-3 Airways

R4D VERSION 4 for FS2000 And VERSION 3.5 for FS98

PANEL DIAGRAMS

by Bill Rambow

The following diagrams and text are excerpted from the Mid Atlantic Air Museum Donation-ware CD, second edition. The second edition was issued when Jan Visser released the Visual Model Upgrade for the R4D to include it, along with the CFS package. I took the opportunity to revamp the v4 manual while I was producing the new CD to incorporate some new features, make some corrections (not too many;-), and replace the exterior screen captures with a wonderful array of new ones by Jan. You will have to buy the new CD to see it all, but I thought freeware users, and especially owners of the first version of the CD should get the benefit of these diagrams and instructions. The Quadrant diagram is not new, but is included here since the Main Panel diagram refers to it.

Figure 1, attached, shows the Composite Diagram of Captain's and First Officer's Panels.

Figure 2, attached, show	ws the Power Quadrant.

PHOTO-REAL OVERHEAD ELECTRICAL PANELS

Versions 4 and 3.5 feature completely new Overhead Electrical Panels, taken from the actual aircraft. The radios have been moved up where they belong, eliminating the need for the pop-up radio stack in the previous versions. You no longer have to sacrifice the Sperry when tuning radios. The NAV 1 and NAV 2 radios are located on the same side as their respective OBI's, too. The modern auto-pilot is located in the center section, so it appears in both the Captain's and First Officer's O.E.P.s, and the same is true of the Ignition and Starting Switches. Users should note the exact mouse points shown in the attached diagrams.

See Figure 3 for a diagram of the Captain's Overhead Electrical Panel.

NOTES ON OPERATION OF CAPTAIN'S O.E.P.

COCKPIT SPOT LIGHTS - FS98 does not support these or the white gauge lights. The familiar, if rather ghastly red or "pink" night lighting will appear in the FS98 panel.

LANDING LIGHTS - The switches operate as one. FS2000 does not support landing lights. The Visual Model Upgrade does feature landing light lamps which light in response to the switches, but they don't cast any light. Maybe in FS2002?

BATTERY SWITCH - The Cart position is inoperable. The switch must be on in order to start the engines or use the radios.

GENERATOR - Both switches operate as one in FS2000. Always run the generators to keep your batteries charged in flight.

IGNITION - MAGNETO LEVERS - Mouse points for the Magneto Levers are not on the labels and letters, as you might suppose, but outboard and below the switch hubs. Clicking once moves the lever one position at a time toward that point.

PRIME / START / VIB SWITCHES - These three position switches are not self-centering. You must move them back to their center positions after engaging either Right or Left.

See Figure 4 for a diagram of the First Officer's Overhead Electrical Panel.

NOTES ON OPERATION OF FIRST OFFICER'S O.E.P.

SUPERCHARGER SWITCHES - The switches are dummies, but for realism's sake should be turned to HI at altitudes over 10,000 feet.

OIL DILUTION SWITCHES - These are used in cold weather starting, but FS does not support the actual function.

RADIO MASTER SWITCH - This switch will control power to the radios on the Captain's O.E.P., only.

AIRSHOW SMOKE SWITCH - This controls the FS smoke (I key function) - and yes, #819 does indeed have this switch and function.

See the appropriate section of the version 4 manual for operating instructions on features and items not covered by these notes. Additional information on individual gauges and controls can be found in the manuals for versions 1 through 3, available on the Donation-Ware CD (both editions). Also on it are three, complete, genuine operating manuals for the DC-3 (C-47) from the World War II era, one British and two U.S.. All proceeds from sale of the MAAM CD go to buy a P&W 1830-94 engine needed to get R4D #819 back in the air.









