Installation of Pratt & Whitney Aircraft JT-3D-1 turbofan engines has given a "new look" to the Series 50 Douglas DC-8. This shows the nacelle, cowling and P&WA's thrust reversing device for the 17,000-pound static-thrust power plant in the normal take-off and cruise position, with cascades for both primary and fan stream reversers covered. A portion of air from the two-stage forward fan is discharged through ducts on both sides of each nacelle, the remainder aft through the engine.

The DC-8 equipped with turbofans is now undergoing development tests following a successful first flight late in December. Douglas reports aircraft and engine performance highly satisfactory. Overall length of the nacelle is 230 inches, compared with 198 inches of the JT-3 and 210½ inches of the JT-4 nacelles and sound suppressors. The JT-3D air inlet is an elipse measuring 46 inches and 45 inches in its major axes. Largest cross section of nacelle is 73½ inches high and 68½ inches wide.