

170X

Figure 2. Interference photomicrograph showing misalignment of the high-pressure surface of the piston diamond.

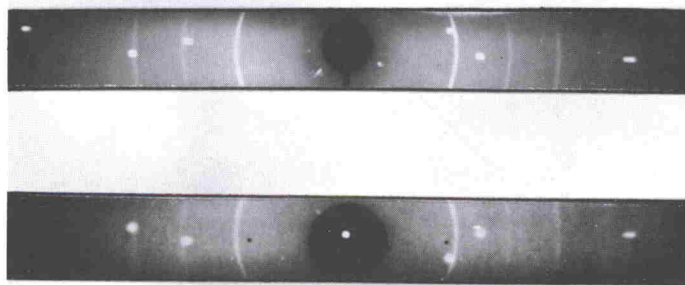


Figure 3. Diffraction patterns obtained from a powdered iron sample at ambient pressure. Upper pattern is a 44-hr exposure on high-contrast, high-speed wet x-ray film. Lower pattern is an 8-hr exposure on Polaroid Type 57-3000 speed film.

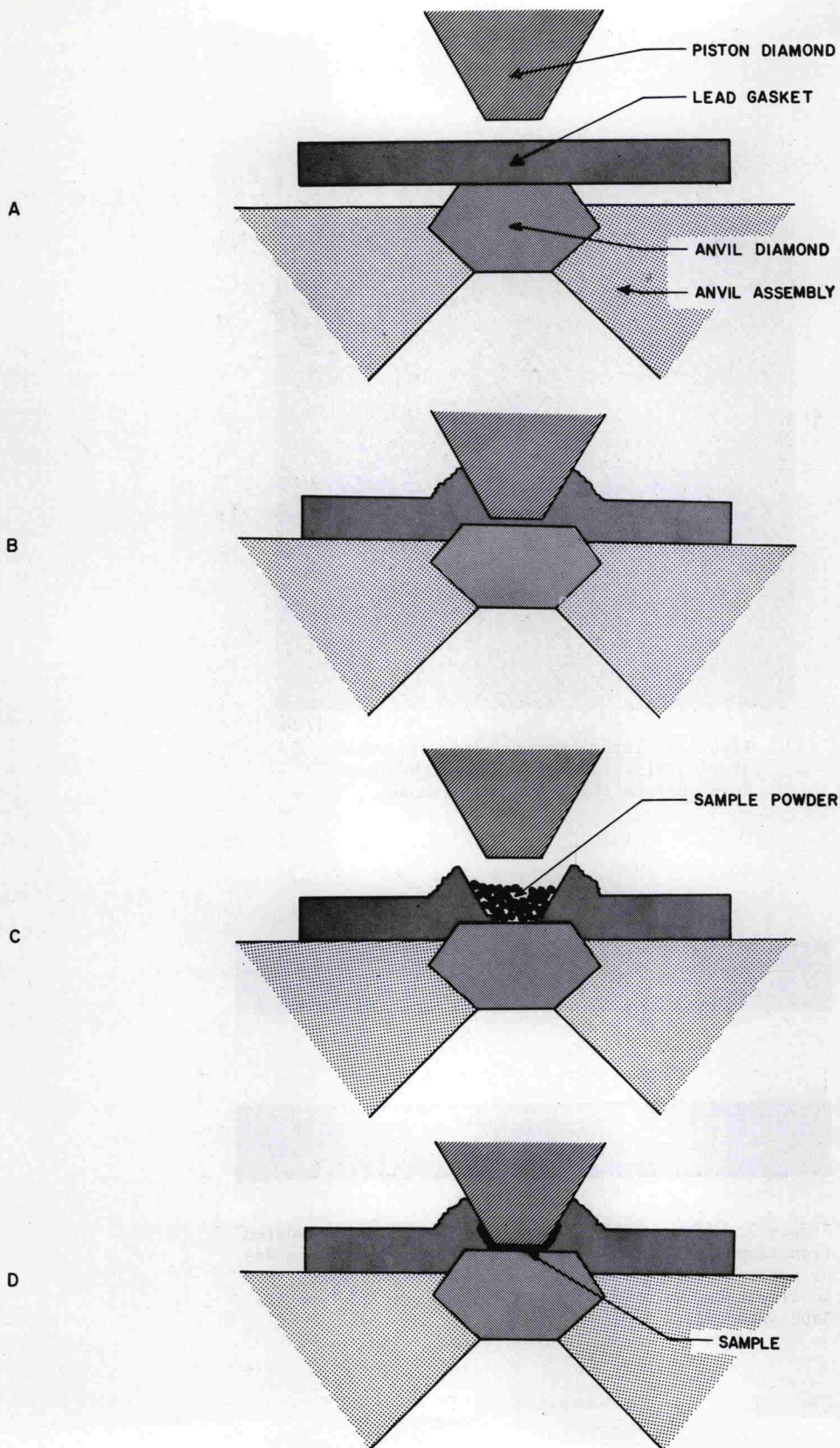


Figure 4. Series of schematic drawings showing procedures used to mount powder sample between the diamond surfaces.