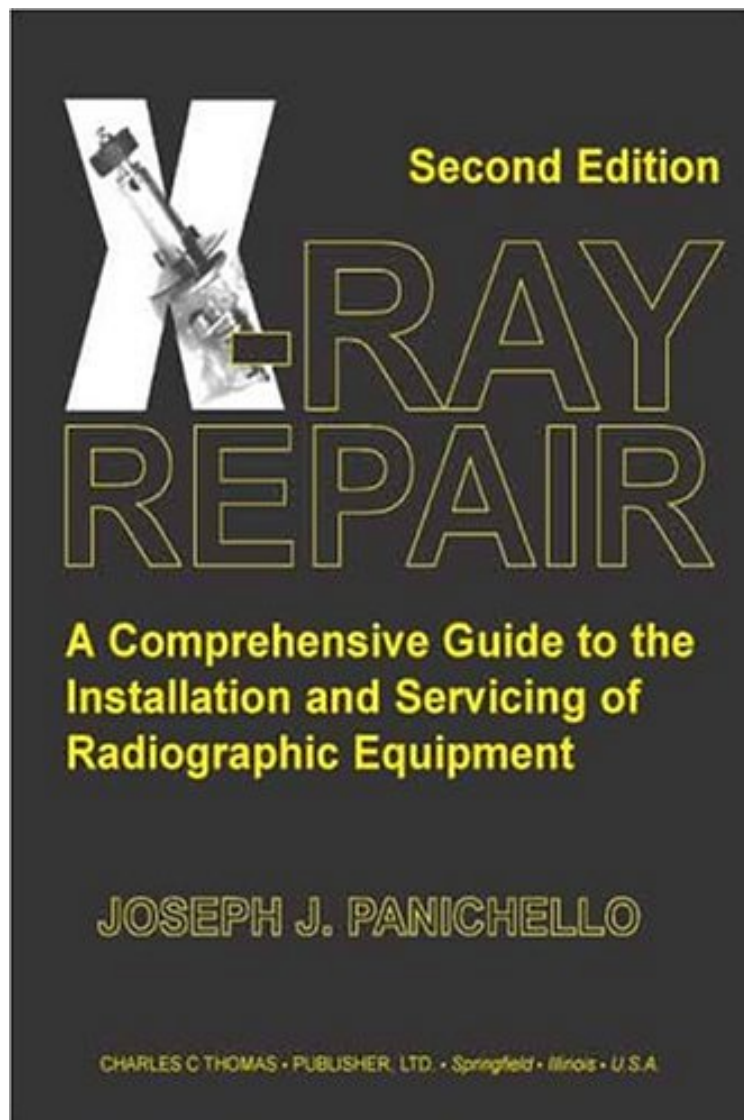


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## X-ray Repair: A Comprehensive Guide To The Installation And Servicing Of Radiographic Equipment

Joseph J. Panichello

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This unique book is intended to be used as a field guide and reference manual for field service engineers and in-house biomedical engineers when servicing radiographic equipment. The text includes chapters on the history and development of radiographic equipment, types of equipment found in the general radiographic room, fundamentals of radiography, safety practices in servicing, mobile x-ray units, installation processes, preventive maintenance, image quality, troubleshooting and repair, and customer relations. New to this edition are chapters on tomography and mammography. The chapter on tomography presents the essentials required to operate and service a tomographic unit and also discusses tomographic theory as well as required maintenance and calibration procedures. The chapter on mammography provides the basics of breast imaging and includes a detailed description of a mammographic unit, including electronic calibrations, troubleshooting techniques, and an overview of digital mammography. Another new chapter, 'The Seasoned Engineer,' describes practices that will allow engineers relatively new to the field to advance in their careers. The text is further enhanced with many helpful illustrations and charts. In addition to serving as a universal manual for x-ray service and biomedical engineers, the book will also be valuable to radiologists and radiology administrators.