

Electrical Maintenance Hints

Index

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**Westinghouse Electric Corporation
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Trafford, Pennsylvania**

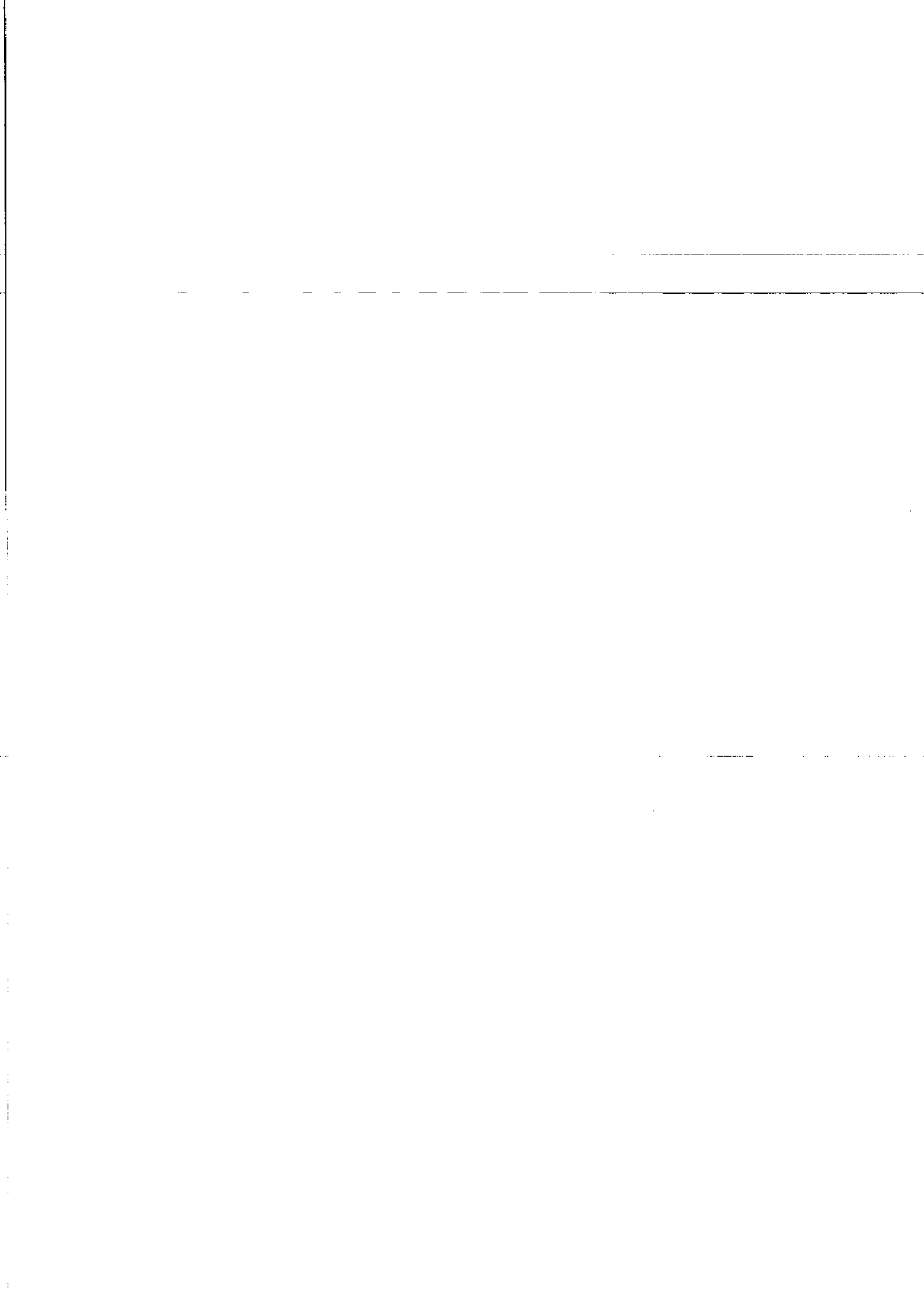
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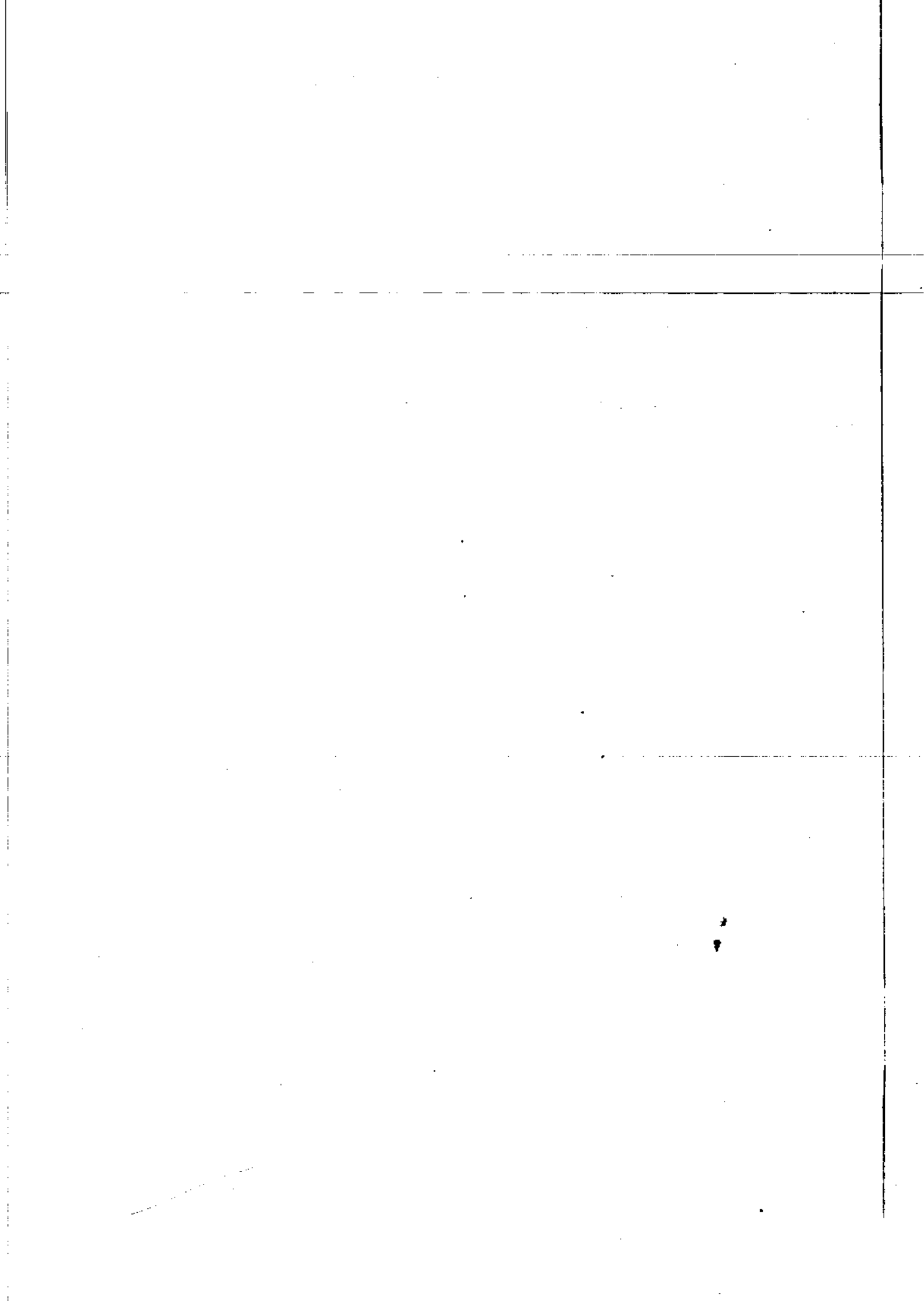


Electrical Maintenance Hints

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Notice to the user of this book

The safe maintenance or repair of any electrical apparatus requires a thorough knowledge of engineering safety and repair techniques, and familiarity with the particular features of the apparatus involved. This book cannot, and does not deal with the numerous details of every manufacturer's apparatus necessary for safe repair or maintenance. The inexperienced electrician or unqualified layman should not expect this book to provide sufficient instructions to permit him to safely repair any electrical apparatus. Use only qualified electrical repair personnel to do any work required, and refer those workers to the manufacturers' warnings and instructions before starting any work.

Severe or fatal electrical shock or burn can result from failure to properly service or repair equipment.

Safety

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There are no understandings, agreements, representations, or warranties, express or implied, including warranties of merchantability or fitness for a particular purpose.

The information, recommendations, descriptions, and safety notations in this document are based on Westinghouse experience and judgment with respect to maintenance hints. **This information must not be considered to be all inclusive or covering all contingencies.** If further information is required, the equipment or material manufacturer must be consulted.

This document is furnished in "as is" condition. **No warranties, express or implied, including warranties of fitness for a particular purpose, of merchantability, or warranties arising from course or dealing or usage of trade, are made regarding the information, recommendations, descriptions, and safety notations contained herein.** In no event will Westinghouse be responsible to the user in contract, in tort (including negligence), strict liability or otherwise for any direct, special, indirect, incidental, or consequential damage or loss whatsoever, including but not limited damage or loss of use of equipment, plant or power system, cost of capital, loss of profits or revenues, cost of replacement power, additional expenses in the use of existing power facilities, or claims against the user by its customers resulting from the use of the information, recommendations, descriptions, and safety notations contained herein.

Warning

Warnings, recommendations, and instructions contained in this book may not apply to equipment designed and built after the book was written. The manufacturers' applicable instructions should be consulted in all instances.

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Warning: Hazardous voltage, vapor, hot oil, and other hazardous conditions can be present in electrical equipment and related systems. Competent trained personnel are required to handle, store, install, use, or service any equipment. Failure to follow this warning can result in severe personal injury, death, or damage to property.

Warning: Follow the safety instructions given in Volume 1 Chapter 5 and throughout the book. Failure to do so can result in severe personal injury, death, or damage to property.

Preface

This set of books is intended to provide a condensed treatment of acceptable maintenance practice on the most commonly used types of electrical equipment. Where specific references or examples were required, products manufactured by the Westinghouse Electric Corporation or components used in such products have been used.

Since this book is directed to the maintenance of electrical equipment an attempt has been made to make it applicable to older as well as new apparatus and devices.

For the user's convenience the book has been bound in four volumes, 1 General Maintenance, 2 Industrial Equipment Maintenance, 3 Power Apparatus Maintenance, 4 Reference Material and Tables and Formulas. An additional volume entitled Index, is supplied to help you locate specific topics. It consists of a volume/chapter listing, followed by a detailed index.

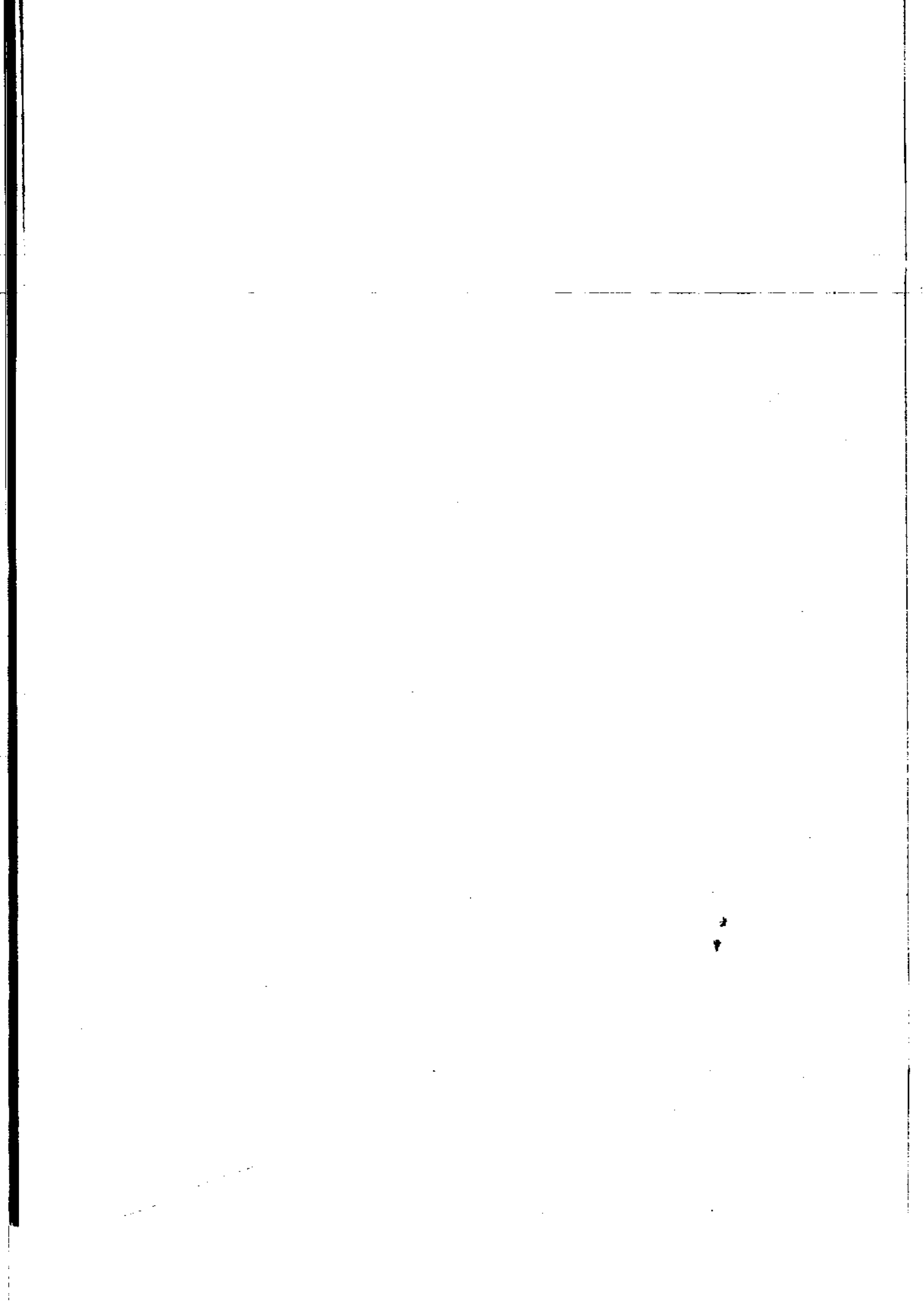
Page numbering reflects this organization.

1:1.1

The first digit indicates the volume

The second digit the chapter

The third digit the page



Volume and Chapter Listing

Volume 1. General Maintenance

Chapter 1. Maintenance – Plan For Reliability

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Chapter 3. Maintenance of Installed Equipment

Chapter 4. Fundamentals of System Design

Chapter 5. Safety

Chapter 6. Insulating Materials

Chapter 7. Cable Construction and Application

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Chapter 4. Molded Case Circuit Breakers

Chapter 5. Panelboards and Switch Boards

Chapter 6. Motor Control Centers

Chapter 7. Alternating-Current Motors

Chapter 8. Large Rotating Apparatus

Chapter 9. Parallel Operation of Direct-Current Generators and Direct Current Motors

Chapter 10. D-C Machines and Regulated Drives

Chapter 11. Rotating Equipment Vibration, Alignment, and Noise

Chapter 12. Capacitors

Chapter 13. Regulated Thyristor Drive Systems

Chapter 14. Commutator Care and Maintenance

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Chapter 5. Outdoor Condenser Bushings

Chapter 6. Dry-Type Power Center Transformers

Chapter 7. Distribution Transformers

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Volume 4. Reference Material and Tables and Formulas

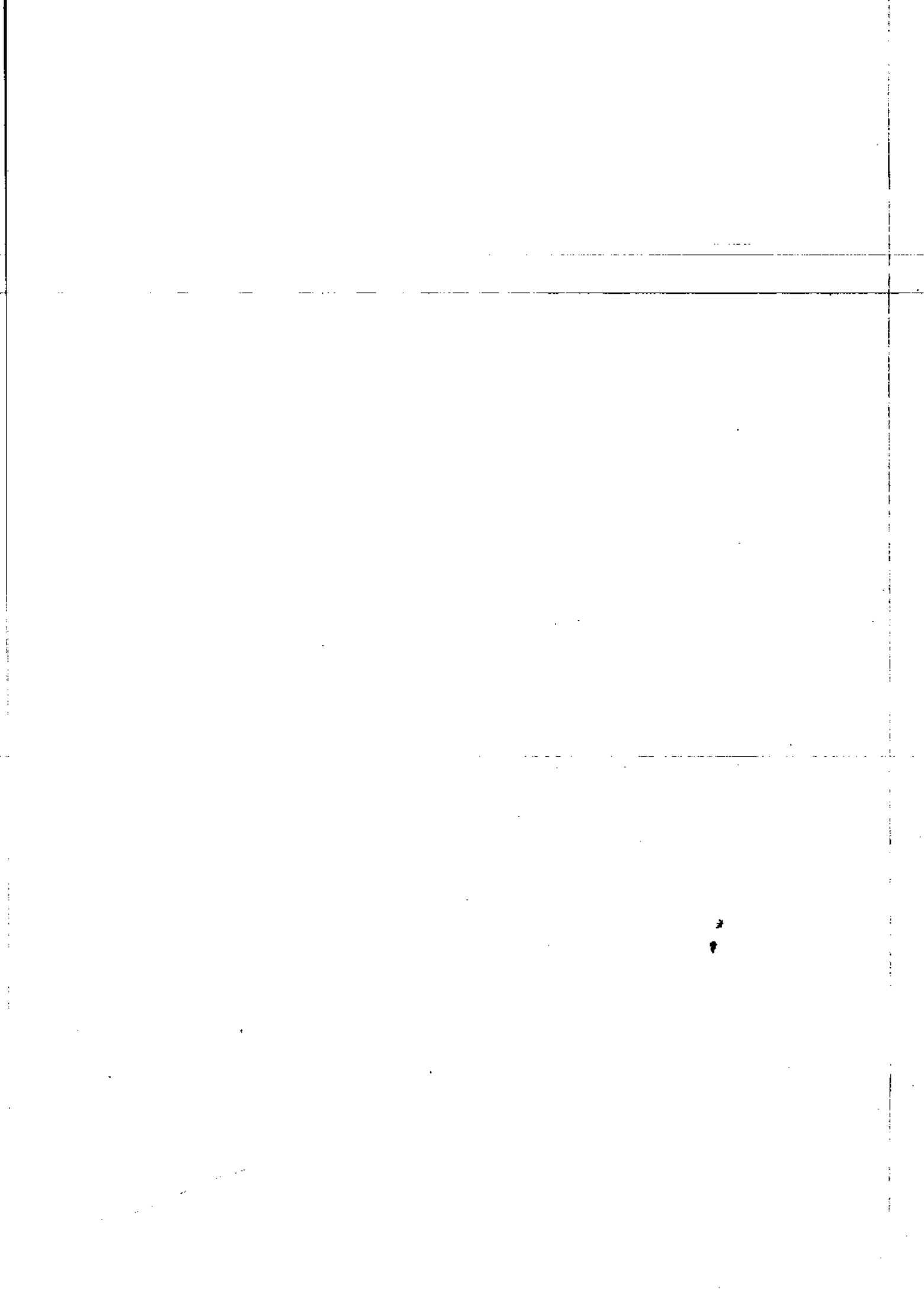
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