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for

## PERPETUAL TROUBLE SHOOTER'S MANUAL

Volume XIV

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#### FOREWORD

Volume XIV is a continuation of the "Perpetual Trouble Shooter's Manual" series. In addition to this volume, Volumes I, II, III, IV, V, VI, VII, VIII, IX, X, XI, XII, and XIII have been published.

Inasmuch as owners of preceding volumes are familiar with the Manual and the nature of its contents, an elaborate description is not required. However, it might be said that the information presented in Volume XIV is condensed as much as possible in accordance with the requests of owners of previous volumes of this publication, but not at a sacrifice of any material. The attempt to condense the contents is based purely upon an effort to include the maximum amount of servicing data.

In a number of instances references are made to "conventional alignment." This term is used in conjunction with simple receivers which do not require elaborate alignment instructions. Such conventional alignment was described in the "How It Works" section of Volume VIII Index, and we feel that so many men are familiar with simple alignment operations that it would be a waste of space to include such alignment in conjunction with many of the receivers contained in Volume XIV.

It will be noted that this index covers Volume XIV only. This departure from our regular policy of combining the indexes of preceding volumes is because of the scarcity of paper due to the existing war-time restrictions. It is our intention to combine the Volume XIV index with the accumulative index of Volumes XI to XIII inclusive some time in the future when these restrictions on paper have been lifted.

As an accumulative index at the present is impossible, numerous references to other volumes of the Manual appear in this index. These were deemed necessary for the sake of clarity because the model numbers could not be inserted in their proper places, as they would be ordinarily.

Some record-changer and recorder data appear in Volume XIV, which supplement the service data on these devices published in Rider's "Automatic Record Changers and Recorders." This was done because it was felt that most of the owners of this book would desire all the latest data to bring their references up to date.

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51K22, 61K23         51L11, 61L12         51X11, 61X12, 61X13,         61X15, 61X16, 61X17         71A         72C         91F22         901F21, 101F22         96BT1         GAMBI         (6D11, Series B         6D13, Series A	<ul> <li>See Model 61K21 in Vol. XIII</li> <li>Schematic, voltage, socket, trimmers</li> <li>Voltage, drive cord</li> <li>14-17</li> <li>Schematic, socket, trimmers, voltage, drive cord</li> <li>14-16</li> <li>Alignment, sensitivity, gain</li> <li>14-17</li> <li>Schematic</li> <li>Schematic, socket, trimmers, voltage, drive cord</li> <li>14-16</li> <li>Alignment, sensitivity, gain</li> <li>14-17</li> <li>Schematic</li> <li>Schematic, socket, trimmers, voltage, drive cord</li> <li>14-18</li> <li>Alignment, trimmers, colls</li> <li>14-20</li> <li>Sensitivity, gain, voltage</li> <li>14-21</li> <li>Parts list, dial cord</li> <li>14-22</li> <li>Schematic, socket, voltage</li> <li>14-27, 28</li> <li>Alignment, trimmers</li> <li>14-26</li> <li>Schematic, socket, voltage</li> <li>14-27, 28</li> <li>Alignment, trimmers</li> <li>14-26</li> <li>Schematic, socket, voltage</li> <li>14-27, 28</li> <li>Alignment, trimmers</li> <li>14-28, 24</li> <li>Alignment, trimmers</li> <li>14-29, 30</li> <li>Sensitivity, gain, alignment, 14-29, 30</li> <li>Sensitivity, gain, alignment, 14-31, 32</li> <li>Alignment, socket, trimmers</li> <li>14-34</li> <li>Schematic, voltage, socket</li> <li>14-34</li> <li>Schematic, voltage,</li> <li>14-35</li> <li>Alignment, socket, trimmers</li> <li>14-36</li> <li><b>LE-SKOGMO INC.</b></li> <li>CORONADO)</li> <li>Schematic, voltage, alignment,</li> <li>alignment, socket</li> <li>14-16</li> </ul>
51K22, 61K23         51L11, 61L12         51X11, 61X12, 61X13,         61X15, 61X16, 61X17         71A         72C         91F22         901F21, 101F22         96BT1         GAMBI         (6D11, Series B         6D13, Series A	<ul> <li>See Model 61K21 in Vol. XIII</li> <li>Schematic, voltage, socket, trimmers</li> <li>Yoltage, drive cord</li> <li>Schematic, socket, trimmers, voltage, drive cord</li> <li>14-17</li> <li>Schematic, socket, trimmers, voltage, drive cord</li> <li>14-16</li> <li>Alignment, sensitivity, gain</li> <li>14-17</li> <li>Schematic</li> <li>Schematic</li> <li>Schematic</li> <li>Schematic, socket, trimmers, socket, trimmers, coils</li> <li>Schematic</li> <li>Schematic, socket, voltage</li> <li>Schematic, voltage, socket</li> <li>Schematic, voltage, socket</li> <li>Schematic, voltage, socket</li> <li>Schematic, voltage,</li> <li>Schematic, voltage,</li></ul>
51K22, 61K23         51L11, 61L12         51X11, 61X12, 61X13, 61X17         61X15, 61X16, 61X17         71A         71A         72C         91F22         01F21, 101F22         01R21         96BT1         6D11, Series B         6D16, Series A	<ul> <li>See Model 61121 in Vol. XIII</li> <li>Schematic, voltage, socket, trimmers</li> <li>Yoltage, drive cord</li> <li>Schematic, socket, trimmers, voltage, drive cord</li> <li>14-17</li> <li>Schematic, sensitivity, gain</li> <li>14-17</li> <li>Schematic, trimmers, coils</li> <li>14-20</li> <li>Sensitivity, gain, voltage</li> <li>14-23</li> <li>Schematic, coils</li> <li>14-23, 24</li> <li>Alignment, trimmers</li> <li>14-20</li> <li>Sensitivity, gain, voltage</li> <li>14-21</li> <li>Parts list, dial cord</li> <li>14-23, 24</li> <li>Alignment, trimmers</li> <li>14-26</li> <li>Schematic, socket, voltage</li> <li>14-27, 28</li> <li>Alignment, trimmers</li> <li>14-26</li> <li>Schematic, voltage, socket</li> <li>14-27, 28</li> <li>Alignment, trimmers</li> <li>14-26</li> <li>Schematic, voltage, socket</li> <li>14-34</li> <li>Schematic, voltage, socket</li> <li>14-34</li> <li>Schematic, voltage</li> <li>Schematic, voltage</li> <li>14-34</li> <li>Schematic, voltage, socket</li> <li>14-34</li> <li>Schematic, voltage, socket</li> <li>14-35</li> <li>Alignment, socket, trimmers</li> <li>14-36</li> <li><b>LT-SKOGMO INC.</b></li> <li>CORONADO)</li> <li>Schematic, voltage, alignment, socket, trimmers</li> <li>14-36</li> <li>Schematic, voltage, alignment, socket, trimmers</li> <li>14-36</li> <li>Schematic, voltage, socket</li> <li>14-1</li> <li>Schematic, voltage, socket</li> <li>14-14</li> </ul>
51K22, 61K23         51L11, 61L12         51X11, 61X12, 61X13, 61X17         61X15, 61X16, 61X17         71A         71A         72C         91F22         01F21, 101F22         01R21         96BT1         6D11, Series B         6D16, Series A	<ul> <li>See Model 61F21 in Vol. XIII</li> <li>Schematic, voltage, socket, trimmers</li> <li>Yoltage, drive cord</li> <li>Schematic, socket, trimmers, voltage, drive cord</li> <li>14-17</li> <li>Schematic, socket, trimmers, voltage, drive cord</li> <li>14-17</li> <li>Schematic, socket, trimmers, voltage, drive cord</li> <li>14-17</li> <li>Schematic, socket, trimmers, socket, trimmers, coils</li> <li>14-20</li> <li>Sensitivity, gain, voltage</li> <li>14-21</li> <li>Parts list, dial cord</li> <li>14-23, 24</li> <li>Alignment, trimmers</li> <li>14-20</li> <li>Schematic, coils</li> <li>14-23, 24</li> <li>Alignment, trimmers</li> <li>14-26</li> <li>Schematic, socket, voltage</li> <li>14-27, 28</li> <li>Alignment, trimmers</li> <li>14-26</li> <li>Schematic, voltage, socket</li> <li>14-27, 28</li> <li>Alignment, sensitivity, gain, dial cord, at</li> <li>14-31, 32</li> <li>Alignment, socket, trimmers</li> <li>14-36</li> <li>Schematic, voltage, socket</li> <li>14-34</li> <li>Schematic, voltage, alignment, dial cord, trimmers</li> <li>14-36</li> <li><b>LE-SKOGMO INC.</b></li> <li>CORONADO)</li> <li>Schematic, voltage, alignment, socket, trimmers</li> <li>14-36</li> <li>Schematic, voltage, alignment, socket, trimmers</li> <li>14-37</li> <li>Alignment, socket, voltage, alignment, socket, voltage,</li> <li>Schematic, voltage, socket, voltage,</li></ul>
51K22, 61K23         51L11, 61L12         51X11, 61X12, 61X13,         61X15, 61X16, 61X17         71A         71A         72C         90B2         01F21, 101F22         01R21         96BT1         6D11, Series B         6D13, Series A         6D16, Series A	<ul> <li>See Model 61K21 in Vol. XIII</li> <li>Schematic, voltage, socket, trimmers</li> <li>Yoltage, drive cord</li> <li>Schematic, socket, trimmers, voltage, drive cord</li> <li>14-17</li> <li>Schematic, socket, trimmers, voltage, drive cord</li> <li>14-16</li> <li>Alignment, sensitivity, gain</li> <li>14-17</li> <li>Schematic</li> <li>Schematic</li> <li>Schematic</li> <li>Schematic, socket, trimmers, voltage, drive cord</li> <li>14-17</li> <li>Schematic</li> <li>Schematic, socket, trimmers, voltage, drive cord</li> <li>14-17</li> <li>Schematic, socket, voltage</li> <li>Schematic, socket, voltage</li> <li>Schematic, socket, voltage</li> <li>Schematic, socket, voltage</li> <li>Schematic, voltage, socket</li> <li>Schematic, voltage, socket</li> <li>Schematic, voltage</li> <li>Schematic, voltage, socket</li> <li>Schematic, voltage</li> <li>Schematic, voltage, socket</li> <li>Schematic, voltage, socket</li> <li>Schematic, voltage</li> <li>Schematic, voltage</li> <li>Schematic, voltage</li> <li>Schematic, voltage, socket</li> <li>Schematic, voltage, socket, trimmers</li> <li>Schematic, voltage, socket, socket, socket, socket, trimmers, socke</li></ul>
51K22, 61K23         51L11, 61L12         51X11, 61X12, 61X13,         61X15, 61X16, 61X17         71A         71A         72C         90B2         01F21, 101F22         01R21         96BT1         6D11, Series B         6D13, Series A         6D16, Series A	<ul> <li>See Model 61K21 in Vol. XIII</li> <li>Schematic, voltage, socket, trimmers</li> <li>Yoltage, drive cord</li> <li>Schematic, socket, trimmers, voltage, drive cord</li> <li>14-17</li> <li>Schematic, socket, voltage</li> <li>14-20</li> <li>Sensitivity, gain, voltage</li> <li>14-23, 24</li> <li>Alignment, trimmers</li> <li>Cols</li> <li>Schematic, colts</li> <li>14-23, 24</li> <li>Alignment, trimmers</li> <li>Al23, 24</li> <li>Alignment, trimmers</li> <li>Al23, 24</li> <li>Alignment, trimmers</li> <li>Al23, 24</li> <li>Alignment, trimmers</li> <li>Schematic, socket, voltage</li> <li>14-29, 30</li> <li>Sensitivity, gain, alignment, trimmers, parts list</li> <li>Alignment, socket, voltage</li> <li>Alignment, socket, trimmers</li> <li>Schematic, voltage, alignment, socket, trimmers</li> <li>Schematic, voltage, socket, trimmers, push button</li> <li>Schematic, voltage, socket, schematic, voltage, socket,</li> <li>Schematic, voltag</li></ul>
51K22, 61K23         51L11, 61L12         51X11, 61X12, 61X13,         61X15, 61X16, 61X17         71A         71A         72C         90B2         01F21, 101F22         01R21         96BT1         6D11, Series B         6D13, Series A         6D16, Series A	<ul> <li>See Model 61K21 in Vol. XIII</li> <li>Schematic, voltage, socket, trimmers</li> <li>Yoltage, drive cord</li> <li>Schematic, socket, trimmers, voltage, drive cord</li> <li>14-17</li> <li>Schematic, socket, trimmers, voltage, drive cord</li> <li>14-17</li> <li>Schematic, socket, trimmers, voltage, drive cord</li> <li>14-17</li> <li>Schematic</li> <li>Schematic</li> <li>Schematic</li> <li>Schematic, socket, voltage</li> <li>Schematic, voltage, socket</li> <li>Schematic, voltage, socket, socket, trimmers</li> <li>Schematic, voltage, socket, socket, socket, trimmers, socket, trimmers, socket, trimmers, socket, trimmers, socket, trimmers, socket, socket, socket, trimmers, socket, trimmers, socket, trimmers, socket, trimmers, socket, trimmers, socket, socket, socket, trimmers, socket, trimmers, socket, trimmers, socket, socket,</li></ul>
51K22, 61K23         51L11, 61L12         51X11, 61X12, 61X13, 61X17         61X15, 61X16, 61X17         71A         71A         72C         11F22         01F21, 101F22         01R21         96BT1         6D11, Series B         6D13, Series A         6D16, Series A         6D18, Series A         11A54, C11A55, Series A	<ul> <li>See Model 61K21 in Vol. XIII</li> <li>Schematic, voltage, socket, trimmers</li> <li>Yoltage, drive cord</li> <li>Schematic, socket, trimmers, voltage, drive cord</li> <li>14-17</li> <li>Schematic, socket, trimmers, voltage, drive cord</li> <li>14-17</li> <li>Schematic, socket, trimmers, voltage, drive cord</li> <li>14-17</li> <li>Schematic</li> <li>Schematic</li> <li>Schematic</li> <li>Schematic, socket, trimmers, voltage, drive cord</li> <li>14-17</li> <li>Schematic</li> <li>Schematic</li> <li>Schematic, socket, voltage</li> <li>Schematic, voltage, socket</li> <li>Schematic, voltage, socket, socket, socket, trimmers</li> <li>Schematic, voltage, socket, socket, socket, socket, trimmers, socket, trimmers</li> <li>Schematic, voltage, socket, socket, socket, socket, trimmers, socket, trimmers</li> <li>Schematic, voltage, socket, socket, socket, trimmers, push button</li> <li>Schematic, voltage, socket, socket, trimmers, socket, trimmers, socket, trimmers, socket, socket, socket, socket, trimmers, socket, trimmers, socket, socket</li></ul>
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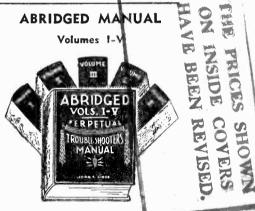
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