Adjustment of Feedback Resistor

Feedback resistor R-102 is adjustable between 0 and 1 ohm. The adjustment depends upon the motor with which the electronic governor is used.

The resistor is equipped with a sliding band with a lead wire attached. This lead wire is connected to one end of the resistor. The resistor is installed so that this end is uppermost. The upper end of the resistor is connected to Lug 2 of Mounting Plate 92W41, (see Fig. 3). The bottom end of this resistor is connected to Lug 16 of Mounting Plate 92W41.

The following table indicates the adjusted value of R-102 for the various electric motors used in LINDE equipment.

<table>
<thead>
<tr>
<th>MOTOR</th>
<th>VALUE OF R-102</th>
<th>PHYSICAL LOCATION OF SLIDING BAND</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dumore Standard - Serial No. 6089, Part No. 57V28 ...............</td>
<td>1 ohm</td>
<td>Extreme upper end of resistor.</td>
</tr>
<tr>
<td>Dumore High-Speed - Serial No. 6090, Part No. 57V29 ...............</td>
<td>1/2 ohm</td>
<td>Half-way between top and bottom.</td>
</tr>
<tr>
<td>Dumore DEH Head - Serial No. 7026, Part No. 300757 ...............</td>
<td>1/4 ohm</td>
<td>Three-quarters from top, one-quarter from bottom.</td>
</tr>
</tbody>
</table>

Replacement Parts List

FOR
"LINDE" ELECTRONIC GOVERNOR TYPE EG-101
PART NO. 38V37

HOW TO ORDER REPLACEMENT PARTS

1. Replacement parts can be identified on the keyed illustrations which follow this parts list. Each part bears a name and a number. The majority of parts also show in parentheses the symbol number (R-101, C-103) which identifies the part on the circuit diagram. When ordering parts from LINDE, order by part number and part name as given on the illustrations. DO NOT ORDER BY PART NUMBER ALONE, OR BY SYMBOL NUMBER.

2. Be sure that your order specifies the quantity of each part needed.

3. Always state the series or serial number of the governor on which the part is to be used. When available, list the governor symbol also. (This information appears on the governor nameplate.)

(Continued on next page.)
HOW TO ORDER REPLACEMENT PARTS (Continued)

4. Indicate any special shipping instructions.

5. When ordering parts from LINDE, use the LINDE district office nearest you.

IMPORTANT: Almost all parts used in this governor are standard commercial parts. In an emergency you can order them from LINDE. However, it will save you time and money to purchase these parts from a local electronics outlet, or directly from the manufacturer. (Full descriptions of the parts are given in the list below.) When doing so, use the manufacturer’s part number or designations. The LINDE part number is for use only when ordering from LINDE.

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>SYMBOL</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>04N32</td>
<td></td>
<td>Cabinet</td>
</tr>
<tr>
<td>04N33</td>
<td></td>
<td>Chassis</td>
</tr>
<tr>
<td>04N34</td>
<td></td>
<td>Terminal Strip Mounting Plate</td>
</tr>
<tr>
<td>04N42</td>
<td></td>
<td>Battery Cover</td>
</tr>
<tr>
<td>04N46</td>
<td></td>
<td>Governor Guard</td>
</tr>
<tr>
<td>80W65</td>
<td></td>
<td>Grommet - 3/8-in. S.A.E. Std Rubber</td>
</tr>
<tr>
<td>88W70</td>
<td></td>
<td>Connector - Steel City Electric, Pitts., Pa., Cat. 522</td>
</tr>
<tr>
<td>89W60</td>
<td>R106</td>
<td>Resistor - Ohmite 25 Watt, 25 Ohm Resistor No. 0365</td>
</tr>
<tr>
<td>92W23</td>
<td></td>
<td>Bottom Plate - Bud Radio, Inc. No. BP-667</td>
</tr>
<tr>
<td>92W26</td>
<td>TR101</td>
<td>Transformer - Standard Transformer Co. No. P-3024</td>
</tr>
<tr>
<td>92W27</td>
<td>C103, C104, C105</td>
<td>Condenser - Mallory No. FF-357</td>
</tr>
<tr>
<td>92W28</td>
<td>TR102</td>
<td>Transformer - United Transformer Co. No. FT-2</td>
</tr>
<tr>
<td>92W29</td>
<td></td>
<td>Socket - American Phenolic Corp. No. 78RS8 (2 used)</td>
</tr>
<tr>
<td>92W30</td>
<td></td>
<td>Socket - Johnson No. 123-209-100</td>
</tr>
<tr>
<td>92W31</td>
<td></td>
<td>Tube Clip - National Radio Products Type 12</td>
</tr>
<tr>
<td>92W32</td>
<td>SR101</td>
<td>Rectifier - Federal Selenium Rectifier No. 439D4200 500</td>
</tr>
<tr>
<td>92W33</td>
<td>Bias Battery†</td>
<td>Battery - EVEREADY 4-1/2 V No. 761</td>
</tr>
<tr>
<td>92W34</td>
<td>R101</td>
<td>Resistor - International Resistance Co. BTA-56,000 Ohms</td>
</tr>
<tr>
<td>92W35</td>
<td>R104</td>
<td>Resistor - International Resistance Co. BTA-510,000 Ohms</td>
</tr>
<tr>
<td>92W36</td>
<td>R103</td>
<td>Resistor - International Resistance Co. BTA-1,800 Ohms</td>
</tr>
<tr>
<td>92W37</td>
<td>R105</td>
<td>Resistor - International Resistance Co. BT2-1,000 Ohms</td>
</tr>
<tr>
<td>92W39</td>
<td>C102</td>
<td>Condenser - Mallory No. TP-408 - .005 MFD 600 WVDC</td>
</tr>
<tr>
<td>92W40</td>
<td>C101</td>
<td>Condenser - Mallory No. TP-426 - .05 MFD 400 WVDC</td>
</tr>
<tr>
<td>92W41</td>
<td></td>
<td>Terminal Plate - Miller Mfg. Co. No. 450</td>
</tr>
<tr>
<td>92W42</td>
<td>TD101</td>
<td>Time-Delay Relay - Amperite Co. No. 2N030</td>
</tr>
<tr>
<td>92W43</td>
<td>T102</td>
<td>Voltage Regulator Tube - RCA No. 0C3VR105</td>
</tr>
<tr>
<td>92W44</td>
<td></td>
<td>Battery Clamp, Weston Part No. 72001</td>
</tr>
<tr>
<td>92W46</td>
<td>T101</td>
<td>Thyatron Tube - Electrons, Inc. No. EL C3J</td>
</tr>
<tr>
<td>92W47</td>
<td></td>
<td>Terminal Strip - H. B. Jones Co. No. 12-140</td>
</tr>
<tr>
<td>92W50</td>
<td></td>
<td>Grommet - Atlantic India Rubber Works Cat. No. 1070</td>
</tr>
<tr>
<td>92W63</td>
<td></td>
<td>Dial Plate - Mallory #369</td>
</tr>
<tr>
<td>92W64</td>
<td>P101</td>
<td>Potentiometer - Allen-Bradley, Molded Composition, 100,000 Ohms, Cat. No. JU1041</td>
</tr>
<tr>
<td>92W65</td>
<td></td>
<td>Knob - Mallory #366</td>
</tr>
<tr>
<td>92W76</td>
<td>SW102</td>
<td>Reversing Switch - Cutler Hammer, Inc. #7612-K3, Complete with Dust Cap</td>
</tr>
<tr>
<td>92W77</td>
<td></td>
<td>Speed Indicator - Weston Model #301 D. C. BAKELITE Case, Flush Mounting</td>
</tr>
<tr>
<td>93W31</td>
<td></td>
<td>Condenser Socket - P. R. Mallory &amp; Co., Plug-In Socket for FP Condenser Cat. No. PS4</td>
</tr>
<tr>
<td>94W46</td>
<td>R107</td>
<td>Resistor - International Resistance Co. BTA, 82,000 Ohms, 5% Total</td>
</tr>
<tr>
<td>94W99</td>
<td>SW101</td>
<td>Switch - Double Pole, Single Throw Hart Mfg. Co., Cat. No. 2160A</td>
</tr>
<tr>
<td>or</td>
<td></td>
<td>Governors contain single or double pole switches. For replacement purpose, order the type of switch originally supplied with the unit.</td>
</tr>
<tr>
<td>96W58</td>
<td>R102</td>
<td>Resistor - Ohmite Cat. No. 0360 25 Watt, 1 Ohm, Adjustable</td>
</tr>
<tr>
<td>97W06</td>
<td>F101, F102</td>
<td>Fuse - 5 Amp. No. 3 AG &quot;Slo-Bio&quot; Littelfuse Co. Cat. No. 313005, 125 V. Max.</td>
</tr>
</tbody>
</table>

† To ensure trouble-free performance, the bias battery, Part No. 92W33, should be replaced every six months.

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FIG. 1 – Front View

FIG. 2 – Rear View with Cabinet Removed
NOTE 1:
The control includes only the parts enclosed by dashed lines.

NOTE 2:
Connect ground to T-101 socket mtg screw.

Circuit Diagram EG-101 (38V37)
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