## SERVICE PARTS LIST

**M18 1/2" COMPACT HAMMER-DRILL**

### CATALOG NO. 2602-20

#### STARTING SERIAL NO. C15A

### REVISED BULLETIN

**DATE**

Aug. 2014

### WIRING INSTRUCTION

**SEE PAGE 3**

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<table>
<thead>
<tr>
<th>FIG.</th>
<th>PART NO.</th>
<th>DESCRIPTION OF PART</th>
<th>NO. REQ.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>05-88-1500</td>
<td>M6 x 1.0 LH Chuck Screw w/ locking patch</td>
<td>(1)</td>
</tr>
<tr>
<td>2</td>
<td>42-66-0785</td>
<td>1/2&quot; Keyless Chuck</td>
<td>(1)</td>
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<tr>
<td>3</td>
<td>06-82-6350</td>
<td>M3 x 16 Pan Hd. Plastite T-10 Screw</td>
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<tr>
<td>4</td>
<td>18-01-3016</td>
<td>Service Field</td>
<td>(1)</td>
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<td>5</td>
<td>16-01-3015</td>
<td>Service Armature Assembly</td>
<td>(1)</td>
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<tr>
<td>6</td>
<td></td>
<td>Brush Card</td>
<td>(1)</td>
</tr>
<tr>
<td>7</td>
<td>45-24-0250</td>
<td>High / Low Shifter</td>
<td>(1)</td>
</tr>
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<td>8</td>
<td>42-42-0850</td>
<td>Forward / Reverse Button</td>
<td>(1)</td>
</tr>
<tr>
<td>9</td>
<td>23-66-1235</td>
<td>Service Switch Assembly</td>
<td>(1)</td>
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<tr>
<td>10</td>
<td>40-50-1090</td>
<td>Compression Spring</td>
<td>(1)</td>
</tr>
<tr>
<td>11</td>
<td>10-20-2695</td>
<td>Warning Label</td>
<td>(1)</td>
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<tr>
<td>12</td>
<td>45-30-0270</td>
<td>Rubber Slug</td>
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<tr>
<td>13</td>
<td>05-88-0675</td>
<td>M3.0 x 20mm End Cap/Gearcase Scr T-10</td>
<td>(9)</td>
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<tr>
<td>14</td>
<td>16-01-3016</td>
<td>Service Armature Assembly</td>
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<tr>
<td>15</td>
<td></td>
<td>Left Handle</td>
<td>(1)</td>
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<tr>
<td>16</td>
<td></td>
<td>Right Handle</td>
<td>(1)</td>
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<tr>
<td>17</td>
<td>42-50-1060</td>
<td>End Cap</td>
<td>(1)</td>
</tr>
<tr>
<td>18</td>
<td></td>
<td>LED Assembly</td>
<td>(1)</td>
</tr>
<tr>
<td>19</td>
<td></td>
<td>Terminal Block Assembly</td>
<td>(1)</td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>Service Nameplate Kit</td>
<td>(1)</td>
</tr>
<tr>
<td>21</td>
<td></td>
<td>Service Gearcase Assembly</td>
<td>(1)</td>
</tr>
<tr>
<td>22</td>
<td>12-20-2602</td>
<td>Carrying Case, Optional</td>
<td>(1)</td>
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<td>23</td>
<td>14-29-0375</td>
<td>Switch and Housing Kit</td>
<td>(1)</td>
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<td>24</td>
<td>31-44-2635</td>
<td>Service Housing Kit</td>
<td>(1)</td>
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<td>25</td>
<td>42-55-2603</td>
<td>(1)</td>
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<td>26</td>
<td>42-62-0526</td>
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<td>27</td>
<td>05-88-0075</td>
<td>M3 x 20mm End Cap/Gearcase Scr T-10</td>
<td>(9)</td>
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<td>28</td>
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<td>(1)</td>
<td></td>
</tr>
<tr>
<td>29</td>
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<td>(1)</td>
<td></td>
</tr>
</tbody>
</table>

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### EXAMPLE:

Component Parts (Small #) Are Included When Ordering The Assembly (Large #).

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### Bit Holder, Optional

- **31**
- **32**

**#77 Two styles of Brush Card Assemblies See Page Two**

**S** = Optional, Not Standard Equipment

There are 2 belt clip designs for this tool. The initial design, Belt Clip #34, 42-70-5150 is being discontinued and replaced by Belt Clip Assembly #80, 42-70-2653.

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### FIG. PART NO. DESCRIPTION OF PART NO. REQ.

| 31 | 43-72-0550 | Bit Holder, Optional | (1) |
| 32 | 45-88-1935 | Washer, Optional     | (1) |
| 33 | 06-82-5275 | 6-32 x 5/16" Pan Hd. T-15 Screw, Optional | (2) |
| 34 | 42-70-5150 | Belt Hook, Optional  | (1) |
| 71 | 05-88-0928 | M3 x 5mm Pan Hd. T10 Screw | (2) |
| 73 | 45-88-1980 | Spring Washer        | (2) |
| 74 |            | Leadwire Assembly - Red | (1) |
| 75 |            | Leadwire Assembly - Black | (1) |
| 76 | 14-46-2399 | Leadwire/Screw/Brush Card Assembly | (1) |
| 77 | 14-46-2012 | Brush Card Assembly  | (1) |
| 78 | 42-70-2653 | Belt Clip Assembly   | (1) |
| 79 |            | Belt Clip            | (1) |
| 80 |            | Belt Clip            | (1) |

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**MILWAUKEE ELECTRIC TOOL CORPORATION**

13135 W. Lisbon Road, Brookfield, WI 53005

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**DRAW**
NOTE:
There are two Brush Card Assembly designs.

On the original brush card design the red and black wires that go to the switch are soldered on the brush card.

On the new brush card design the red and black wires that go to the switch are secured to the brush card with spring washers and screws.

The new brush card design is directly interchangeable in tools that have the old brush card design.

NOTE:
As an aid to prevent damage to the armature commutator or the brushes when removing and installing the armature assembly, it is recommended to pull the carbon brushes partially back into the brush tube. The carbon brushes will be held in place with the brush spring moving from the rear of the brush to the side of the brush.

In the unlikely event that the spring pops off follow the instructions below.
**NOTE:** Compression spring (10) is positioned between the bottom/back of the left housing half (15) and the back of the terminal block assembly (19) as shown.

- **BRUSH CARD**
- **LED ASSEMBLY**
- **TERMINAL BLOCK**
- **SWITCH**

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**WIRING SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Wire No.</th>
<th>Wire Color</th>
<th>Origin or Gauge</th>
<th>Length</th>
<th>Terminals, Connectors and 1 or 2 End Wire Preparation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Black</td>
<td>-----</td>
<td>-----</td>
<td>Component of the Brush Card Assembly.</td>
</tr>
<tr>
<td>2</td>
<td>Red</td>
<td>-----</td>
<td>-----</td>
<td>Component of the Brush Card Assembly.</td>
</tr>
<tr>
<td>3</td>
<td>Green</td>
<td>-----</td>
<td>-----</td>
<td>Component of the LED Assy./Switch Assembly</td>
</tr>
<tr>
<td>4</td>
<td>Gray</td>
<td>-----</td>
<td>-----</td>
<td>Component of the LED Assy./Switch Assembly</td>
</tr>
<tr>
<td>5</td>
<td>Red</td>
<td>-----</td>
<td>-----</td>
<td>Component of the LED Assy./Switch Assembly</td>
</tr>
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<td>6</td>
<td>Black</td>
<td>-----</td>
<td>-----</td>
<td>Component of the LED Assy./Switch Assembly</td>
</tr>
<tr>
<td>7</td>
<td>White</td>
<td>-----</td>
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<td>Component of the LED Assy./Switch Assembly</td>
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<tr>
<td>8</td>
<td>Black</td>
<td>-----</td>
<td>-----</td>
<td>Component of the Switch Assembly.</td>
</tr>
<tr>
<td>9</td>
<td>Red</td>
<td>-----</td>
<td>-----</td>
<td>Component of the Switch Assembly.</td>
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**BULK LEAD WIRE - BULLETIN NO. 58-01-0003**

*Watch for pinched wires in this area.*

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</tr>
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<td>Component of the Switch Assembly.</td>
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<td>Red</td>
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<td>-----</td>
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