**SERVICE PARTS LIST**

**M18 FUEL™ 7/16" Hex Hole-Hawg®**

**CATALOG NO.** 2708-20  **STARTING SERIAL NO.** G03A

**REVISED BULLETIN**  **DATE** Jan. 2015

**SEE PAGE 3**

---

**FIG.**  **PART NO.**  **DESCRIPTION OF PART**  **NO. REQ.**

1  06-75-3150  1/4-20 x 1" Left Hand Thread Chuck Screw  1
2  06-82-5411  10-24 x .625" Pan Hd. Tapt. T-25 Screw  6
3  06-82-7290  Retaining Ring  1
4  06-82-7261  Output Shaft  1
5  06-82-7240  Ball Bearing  1
6  06-82-7255  Output Mount Hub  1
7  34-40-2700  O-Ring  1
8  42-42-0375  Bevel Gear  1
9  06-82-7290  Needle Bearing  1
10  06-82-7240  Gearcase  1
11  34-60-0610  Insulated Boot  1
12  31-44-2717  Top Handle  1
13  05-88-9915  M5 x 25mm DG Pan Hd. T-25 Screw  1
14  43-44-0115  Gasket Seal  1
15  06-82-7240  Needle Bearing  1
16  45-12-0050  Diaphragm  1
17  34-40-2717  High Voltage Wire (Not Shown, see wiring diagram)  1
18  06-82-0165  M2.5 x 0.45 Tapt. Screw (Not shown, see wiring dia.)  1
19  35-46-0000  Snap Ring  2
20  02-04-1204  Ball Bearing  1
21  06-82-5314  Pinion Bearing Plate  1
22  06-82-7255  10-24 x .5" Pan Hd. Taptite T-25 Screw  2
23  02-04-0645  Rotor  1
24  02-04-0645  Ball Bearing  1
25  06-82-7255  Stator Assembly with PCBA  1
26  06-82-7240  LED Assembly  1
27  06-82-7261  Battery Terminal Connector Block  1

---

**EXAMPLE:**
Component Parts (Small #) Are Included When Ordering the Assembly (Large #).

---

**FIG.**  **PART NO.**  **DESCRIPTION OF PART**  **NO. REQ.**

36  00-00-0000  Fwd./Rev. Switch  1
37  42-42-0375  Forward/Reverse Shuttle  1
41  06-82-7290  6-19 x 1-1/8" Pan Hd. Plastite T-15 Screw  2
42  06-82-7261  Motor Cage Cover - Right  1
43  06-82-7240  Handle Cover - Right Housing Halve  1
44  06-82-7240  6-19 x 1/2" Pan Hd. Plastite T-15 Screw  2
45  06-82-7261  6-19 x 11/16" Pan Hd. Plastite T-15 Screw  9
46  06-82-7240  M5 x 35mm Pan Hd. PT T-20 Screw  4
47  06-82-7261  Motor Cage Support - Left  1
48  06-82-7240  Handle Support - Left Housing Halve  1
49  12-20-2717  Service Nameplate (Not Shown)  1
50  14-30-1005  Gearcase Assembly  1
51  14-29-2000  Intermediate Gear Assembly  1

---

**EXAMPLE:**
Component Parts (Small #) Are Included When Ordering the Assembly (Large #).

---

**FIG.**  **PART NO.**  **DESCRIPTION OF PART**  **NO. REQ.**

62  14-13-0030  Diaphragm Assembly  1
63  16-01-2400  Rotor Assembly  1
64  14-20-2717  Electronics Assembly  1
65  31-44-2718  Housing Assembly  1
66  23-16-0285  Motor Cage Assembly  1
67  14-29-0125  Output Assembly  1
68  42-66-0050  7/16" Hex Chuck Assembly  1
69  48-55-3565  FUEL™ Contractor Bag - Large  1
70  45-30-1000  Rubber Slug  2

---

**IMPORTANT!**
To prevent damage to the High Voltage Wire Assembly #23, see service note on page 3 prior to removing the Motor Cage Cover #42.

---

**MILWAUKEE TOOL • www.milwaukeetool.com**

13135 W. LISBON RD., BROOKFIELD, WI 53005

Drwg. 2
**LUBRICATION NOTES:**

**Type ‘Y’ Grease No. 49-08-5271, 6oz./170g tube**

**NOTE:** The entire contents of the grease tube will not be used. Use a total of approximately 2.29 oz./65g.

When servicing, remove 90-95% of the existing grease prior to installing Type ‘Y’. Original grease may be similar in color but not compatible with ‘Y’.

Prior to reinstalling, clean gear assemblies with a clean, dry cloth. Lightly coat all parts highlighted here with ‘Y’ grease. Apply a greater amount of grease to all gear teeth.

---

**SCREW TORQUE SPECIFICATIONS**

<table>
<thead>
<tr>
<th>FIG.</th>
<th>PART NO.</th>
<th>WHERE USED</th>
<th>SEAT TORQUE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>(KG/CM)</td>
</tr>
<tr>
<td>1</td>
<td>06-75-3150</td>
<td>Chuck Screw</td>
<td>103-115</td>
</tr>
<tr>
<td>2</td>
<td>48-66-1381</td>
<td>1/2&quot; Chuck (2707-20 only)</td>
<td>1100-1250</td>
</tr>
<tr>
<td>3</td>
<td>06-82-5411</td>
<td>Output Assembly</td>
<td>35-50</td>
</tr>
<tr>
<td>14</td>
<td>05-88-9915</td>
<td>Top Handle</td>
<td>60-65</td>
</tr>
<tr>
<td>24</td>
<td>06-82-0165</td>
<td>High Voltage Terminal</td>
<td>5-9</td>
</tr>
<tr>
<td>28</td>
<td>06-82-5314</td>
<td>Pinion Bearing Plate</td>
<td>46-58</td>
</tr>
<tr>
<td>41</td>
<td>06-82-7290</td>
<td>Motor Cage Assembly</td>
<td>12-17</td>
</tr>
<tr>
<td>44</td>
<td>06-82-7240</td>
<td>Handle Cover</td>
<td>12-17</td>
</tr>
<tr>
<td>45</td>
<td>06-82-7261</td>
<td>Handle Cover/Motor Cage</td>
<td>12-17</td>
</tr>
<tr>
<td>46</td>
<td>06-82-2700</td>
<td>Gearcase Assembly</td>
<td>38-45</td>
</tr>
<tr>
<td>50</td>
<td>06-82-0130</td>
<td>Chuck Key Holder (2707-20 only)</td>
<td>10-14</td>
</tr>
<tr>
<td>68</td>
<td>42-66-0050</td>
<td>7/16&quot; Hex Chuck (2708-20 only)</td>
<td>1100-1250</td>
</tr>
</tbody>
</table>

Chuck Tightening Fixture No. 61-40-1115

Place a 7/16" Hex Bit Socket in chuck (be sure that most of the hex shaft is inserted and that shaft is in the chuck squarely). Use the chuck key to tighten at all three chuck hole positions! Place a torque wrench in socket and tighten to approximately 80-90 ft-lbs. (108.5-122 Nm). Install chuck screw and torque to value in chart.
IMPORTANT!
Prior to opening the Motor Cage Cover #42, be sure to disconnect the female wire connector (component of #23 High Voltage Wire Assembly) from the male wire connector that comes from the terminal connector block. Remove the high voltage wire from the wire traps to create the slack needed to properly remove the motor cage cover and access the Rotor and Stator. Failure to do so will result in the wire pulling out of the ground terminal.

16 Wire Ribblon Cable from Terminal Connector Block to the PCBA is not shown for clarity. Ribbon Cable is routed over the LED Assembly wires using the same traps.

AS AN AID TO REASSEMBLY, TAKE NOTICE OF WIRE ROUTING AND POSITION IN WIRE GUIDES AND TRAPS WHILE DISMANTLING TOOL.

BE SURE THAT ALL COMPONENTS OF THE ELECTRONICS KIT ARE SEATED FIRMLY AND SQUARELY IN THE HANDLE RECESSES.

AVOID PINCHED WIRES, BE SURE THAT ALL WIRES AND SLEEVES ARE PRESSED COMPLETELY DOWN IN WIRE GUIDES AND TRAPS.

PRIOR TO INSTALLING THE HANDLE COVER ONTO THE HANDLE SUPPORT, BE SURE THAT THERE ARE NO INTERFERENCES.