SERVICE PARTS LIST

M18™ FUEL™ 5Kg SDS-Max Rotary Hammer

CATALOG NO. 2717-20

STARTING SERIAL NO. G89A

REVISED BULLETIN DATE
54-24-2760 Nov. 2015

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

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

EXAMPLE:

FIG. PART NO. DESCRIPTION OF PART NO. REQ.
21 43-62-5316 Side Handle Assembly (1)
21a 42-68-5316 Clamping Band (1)
21b 06-54-5316 M8 x 6.5mm Square Nut (1)

WIRING INSTRUCTION
SEE PAGE 4

= Component of the
14-46-0064 Service Maintenance Kit

FIG. PART NO. DESCRIPTION OF PART NO. REQ.
21c 44-40-5316 Clamp Holder (1)
21d 43-98-5316 Side Handle (1)
22a 05-78-5316 M4 x 14mm Pan Hd. Taptite T-20 (1)
23 42-36-0019 Belly Shroud (1)
24 14-29-0028 Gearcase Assembly (1)
32 34-40-5308 O-Ring (2)
40 34-40-5320 O-Ring (1)
41 02-04-0009 Ball Bearing (1)
42 45-88-5313 Snap Ring (1)
43 16-10-0045 Service Rotor Assembly (1)
43a _________ Retaining Ring (1)
43b _________ Rotor (1)
43c 02-04-5382 Ball Bearing (1)
45 14-20-0235 Electronics Assembly (1)
45a _________ On-Off Switch (1)
45b _________ Stator Assembly (1)
45c _________ LED Assembly (1)
45d _________ Terminal Block (See Item 55) (1)
45e _________ PCBA (1)
46 31-44-0046 Motor Housing Insulator Assembly (1)
46a _________ Motor Housing Insulator Halve - Left (1)
46b _________ Motor Housing Insulator Halve - Right (1)
46c 06-82-2025 M3.5 x 16mm Pan Hd. ST T-10 Screw (6)
47 06-82-0026 M6.0 x 27mm Pan Hd. Tapt. T-30 Screw (4)
48 42-42-0019 Locking Shuttle (1)
49 31-44-0068 Housing/FUEL™ Logo Assembly (1)
49a 05-78-5311 M5 x 18mm Pan Hd. ST T-20 Screw (9)
49b _________ Housing Halve - Right (Cover) (1)
49c _________ Housing Halve - Left (Support) (1)
49d _________ FUEL™ Logo Plate (1)
50 12-20-0072 Service Nameplate (1)
51 42-55-2717 Blow Molded Carrying case (1)
54 45-06-0052 Rotary Seal (1)
55 22-56-0014 Terminal Block/Housing Service Kit (1)

FIG. NOTE:

Terminal Block (45d) is not available individually and must be ordered in a Terminal Block/Housing Service Kit (55). The service kit contains the following parts:

1 _________ Housing Support
1 _________ Housing Cover
1 _________ Service Terminal Block
2 _________ 4mm dia. x 20mm Shrink Tube
2 _________ 2mm dia. x 20mm Shrink Tube
1 12-20-0072 Service Nameplate
1 58-22-0114 Service Instruction Sheet

It is recommended that this kit be installed at a Milwaukee Authorized Service Station or Factory Service Center.

- See page 2 for the exploded view and parts listing of the mechanical portion of the tool and service fixtures.
- See page 3 for lubrication instructions, torques chart, maintenance instructions and service kits.
- See Page 4 for wiring instructions.
There are slightly smaller teeth on one side of drive sleeve #34 that are to face the spindle bevel gear #33.

Be sure to orient front notches of bearing shield #14a at the 12:00/6:00 position or at the 9:00/3:00 position prior to installing in gearcase #24. Doing so will allow tabs in rear of bearing shield to seat in corresponding notches in gear case cavity. This must be done to allow for proper seating of retaining ring #13.
Pack the rear of the piston with grease. There is to be no lubrication on the face of the part.

Place 2-3/16 oz. (62g) of grease in the bottom of the gearcase.

Place 5/8 oz. (18g) of grease in the rear of the barrel before installing the striker.

Coat the inside of the spindle driver prior to assembly.

Coat teeth of clutch assembly with grease.

Coat o-ring and o-ring groove prior to installing o-ring on ram. Coat the assembled ram and o-ring with grease prior to installing o-ring on ram.

With o-ring installed, coat around entire side of ram.

With o-ring installed, coat around entire side of ram.

With o-ring installed, coat around entire side of ram.

Washer #20 is located here on barrel #17h.

LUBRICATION NOTES:
Type ‘Q2’ Grease, No. 49-08-5355 (2.8oz, 80g tube)
Prior to reinstalling, clean gear assemblies with a clean, dry cloth. Lightly coat all individual parts highlighted here with grease. Apply a greater amount of grease to all internal and external gear teeth. Place 18 grams of grease in the rear of the barrel prior to inserting the ram. Place the remaining grease in the bottom of the gearcase.

FASTENER TORQUE SPECIFICATIONS (IN./LBS.)

<table>
<thead>
<tr>
<th>FIG. NO.</th>
<th>WHERE USED</th>
<th>SEATING TORQUE</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>In/Lbs</td>
</tr>
<tr>
<td>22a</td>
<td>Belly Shroud - 1x</td>
<td>22</td>
</tr>
<tr>
<td>22b</td>
<td>Selector Bracket Clamp Plate - 2x</td>
<td>22</td>
</tr>
<tr>
<td>29a</td>
<td>Gearcase Cover (middle &amp; front positions - 4x)</td>
<td>52</td>
</tr>
<tr>
<td>29b</td>
<td>Gearcase Cover (rear position - 2x)</td>
<td>38</td>
</tr>
<tr>
<td>46c</td>
<td>Motor Housing Insulator - 6x</td>
<td>10</td>
</tr>
<tr>
<td>47</td>
<td>Motor Housing Insulator - 4x</td>
<td>50</td>
</tr>
<tr>
<td>49a</td>
<td>Housing Halve - Right (Cover) - 9x</td>
<td>25</td>
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</tbody>
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Lubrication Note: MILWAUKEE recommends that scheduled maintenance of this Rotary Hammer include lubrication replacement, and replacement of vital O-rings and gaskets at each carbon brush change. Doing so will prolong the life of the hammer by reducing wear to gears and mechanism parts. The carbon brushes and armature commutator in this MILWAUKEE Rotary Hammer are designed and matched for many hours of reliable performance.
AS AN AID TO REASSEMBLY, TAKE NOTICE OF WIRE ROUTING AND POSITION IN WIRE GUIDES AND TRAPS WHILE Dismantling Tool.

BE CAREFUL AND AVOID PINCHING WIRES BETWEEN HANDLE HALVES WHEN ASSEMBLING.