**SERVICE PARTS LIST**

**M18 FUEL™ HP Grinder w/ Paddle Switch & Lock-Off**

**CATALOG NO.** 2980-20 **STARTING SERIAL NO.** K02A

**REVISED BULLETIN**

**DATE** Aug. 2019

**SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS**

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

1 05-59-0016 5/8"-11 Fixtec Nut 1
2 43-54-1240 6" Type 27 Guard Assembly 1
3 43-34-0937 Flange Disc 1
4 05-81-0020 M3 x 5mm Pan Hd. T-8 Screw 1
5 44-20-0155 Guard Locking Tang 1
6 05-90-0225 Spring Washer 6
7 14-73-0491 5/8"-11 Spindle Hub Assembly 1
8 14-73-0491 5/8"-11 Spindle Hub Assembly 1
9 (4x) 05-88-1300 M4 x 28mm Pan Hd. ST T-20 Screw 4
12 (4x) 05-55-0620 M5 Hex Nut 1
13 (4x) 05-59-0016 5/8"-11 Fixtec Nut 1
14 05-90-0225 Spring Washer 6
15 44-66-0450 Bearing Retainer 1
16 05-78-0105 M4 x 10mm Pan Hd. T-20 Screw 2
18 14-78-0535 Paddle Trigger Assembly 1
19 42-62-0125 Side Handle Assembly 1
20 44-86-0195 Bearing Retaining Plate Assembly 1
21 45-88-0406 Washer 1
22 16-07-2980 Rotor Assembly 1
22a (4x) 14-73-0491, make sure to use new #15 Pinion Gear associated in the assembly.
22b 02-04-0034 Ball Bearing 1
23 14-20-2980 Electronics Assembly Consisting of: Stator, Switch, PCBA and Battery Terminal Connector Block 1
24 12-20-0139 Service Nameplate 1
25 06-82-2025 M3.5 x 16mm Pan Hd. ST T-10 Screw 7
27 06-82-2025 M3.5 x 16mm Pan Hd. ST T-10 Screw 7
28 14-78-0535 Paddle Trigger Assembly 1
29 (7x) Right Housing Halve - Cover 1
30 (7x) Left Housing Halve - Support 1
31 42-62-0125 Side Handle Assembly 1
32 44-86-0195 Bearing Retaining Plate Assembly 1
34 43-14-0040 Baffle Assembly 1
35 44-86-0195 Bearing Retaining Plate Assembly 1
37 05-78-0105 M4 x 10mm Pan Hd. T-20 Screw 2
38 06-82-2025 M3.5 x 16mm Pan Hd. ST T-10 Screw 7
40 42-14-0040 Baffle Assembly 1
41 31-15-0277 Dust Cover 1
42 43-84-0207 Rapid Stop Plate 1
43 12-20-0139 Service Nameplate 1
44 31-44-2980 Housing Kit 1
45 44-34-2980 Housing Kit 1
46 46-99-0014 Spanner Wrench 1
47 23-38-0065 Resistor Assembly 1

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**LUBRICATION NOTE:**

When servicing the Gear Case Assembly, 90-95% of the old grease must be removed prior to new grease being added.

**FIG. LUBRICATION**

8, 15 Type "Y" Grease, No. 49-08-5270, Must Be Applied To All Gear Teeth.

12 Place 19g ± 0.5 (approx. 5/8 oz) of "Y" grease in gear cavity of gearcase.

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**EXAMPLE:**

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

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**WIRING INSTRUCTION**

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NOTE: Prior to installing a new Electronics Assembly (23), the front gearcase assembly (12) must be removed. Pay very close attention to the wire routing and wire placement in traps and channels in the left housing halve-support (30). As an aid, it is recommended that a cell phone photograph be taken of the unit with the right housing halve-cover (29) removed for reference. The electronics assembly is offered as one entire unit (several major components joined together by wires and a ribbon cable) and must be carefully installed into the left housing halve.

*The voltage protection ground wire must be installed before the electronics assembly is placed into the left housing halve-support. Place the wavy ring terminal over the top screw boss in front of left housing halve. Route the wire through the wire traps, pushing the wire to the bottom as you go along.

Try to route wires and ribbon cable in traps as illustrated and place electronic components firmly and squarely in the corresponding cavities of left housing halve. With components properly in place, make sure all wires and the ribbon cable are secured in the wire traps and channels. Be sure there will not be interferences prior to installing the right housing halve-cover.

Carefully place right housing halve-cover over the electronics assembly and onto the left housing halve. Lightly secure the two housing halves together with seven screws (27). Check for the proper functionality of the paddle trigger (28).

Carefully install front gearing mechanism and secure with four screws (13). Go back and hand tighten the seven housing screws. Install a battery and actuate paddle trigger to assure the proper operation of tool.