SERVICE PARTS

M18™ FUEL™ 7/16" Hex Super-Hawg®

CATALOG NO. 2811-20 STARTING SERIAL NO. K58A

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

REVISED BULLETIN DATE
July 2019

WIRING INSTRUCTION
See pages 4 & 5

FIG. PART NO. DESCRIPTION OF PART NO. REQ.
26 06-82-0044 M4 x 18mm Pan Hd. ST T-20 Screw (8)
50 43-44-0705 Gasket (1)
57 06-82-5324 10-24 x 1/2" Pan Hd. Tapt. T-25 Screw (2)
65 ---------------- Right Handle Halve (Cover) (1)
66 12-20-0233 Service Nameplate (1)
67 ---------------- Left Handle Halve (Support) (1)
68 06-82-1060 M3 x 14mm T-10 ST Screw (6)
69 06-82-5285 6-32 x .5 Pan Hd. Tapt. T-15 Screw (4)
70 ---------------- Motor Cage Support - Right (1)
71 ---------------- Motor Cage Cover - Left (1)
76 42-42-0013 Forward/Reverse Shuttle (1)
77 44-60-2210 Pin (1)
90 31-44-0094 Handle Assembly (1)
91 16-01-0037 Rotor Assembly (1)
92 14-20-0113 Electronics Assembly (1)
93 23-16-0012 Motor Cage Assembly (1)
95 14-13-0015 Diaphragm Assembly with Needle Bearings (1)
100 48-55-3565 FUEL™ Contractor Bag - Large (1)

SCREW TORQUE CHART

<table>
<thead>
<tr>
<th>Item</th>
<th>Part Number</th>
<th>Seat Torque (Kg./cm.) (In./lbs.)</th>
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<td>5</td>
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<td>06-82-0130</td>
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<td>06-82-2368</td>
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IMPORTANT!
To prevent damage to the High Voltage Wire Assembly, a component in the Electronics Assembly #92, see service note on page 4 prior to removing the Motor Cage Cover #71.
Secure Top Handle (4) to the Gear Case (97) with two Screws (5) only after Insulated Boot (3) is installed.

See page three for assembly details.
Extra/Old Diaphragm
(with needle bearings).

Mounting Base
(Approx. 6” x 6” x 1”)

**As an aid to reinstalling the gearing/clutch mechanism into a FUEL™ Super-Hawg®, a fixture can be made with an old used diaphragm (with the needle bearings) and a piece of mounting stock such as a piece of wood. A fixture such as this will free both hands for assembling.**

1. Use Type ‘Y’ Grease, No. 49-08-5275 to lubricate parts 44, 45, 46, 47, 48 and assemble together. Install onto the diaphragm service fixture as shown.

2. Use Type ‘Y’ Grease, No. 49-08-5275 to lubricate parts 27, 28, 29, 31, 32, 33, 35, 43 and 94. Assemble together and contain with E-Ring 43. Install onto the diaphragm service fixture as shown. Use a Shifting Rod, 72 to properly align the holes in the Bearing Retaining Plate with the holes in the service fixture. Remove the Shifting Rod.

3. Use Type ‘Y’ Grease, No. 49-08-5275 to lubricate parts 73, 74 and 75. Assemble parts together as shown. Install onto Shifting Ring 34, lining up the Shifting Rod holes of 29, 74 and 75.

4. Carefully feed both Shifting Rods through the holes in the Bearing Retaining Plate and the Long and Short Shift Plates down into the corresponding holes in the service fixture. Carefully place the Gearcase Assembly over the gearing and onto the service fixture. Turn the assembly over and remove the diaphragm service fixture.

5. Secure gear/clutch mechanism into Gearcase Assembly (97) by using a long T-30 bit to drive two 06-82-5360 Screws.
LUBRICATION NOTES:
Type ‘Y’ Grease No. 49-08-5270, 6oz./170g tube
The entire amount of two tubes will be needed.
or
Type ‘Y’ Grease No. 49-08-5275, 14oz./396g tub (can)

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’.

DO NOT wash Clutch Hub Assembly #94. Prior to reinstalling, clean gear assemblies with a clean, dry cloth.

WIRING

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.

Step 1.
Place the LED into the slot as picture shows.

Step 2.
Place the ribbon cable and wires in traps and make sure they are below the ribs.
Step 3.
Place the SSD Board.

Step 4.
Place the Switch and Switch Wire where shown in the picture above.

Step 5.
Place the Forward/Reverse Shuttle in handle as picture shows above.

Step 6.
Assemble Handle Halves and secure with screws in the sequence shown above.