SERVICE PARTS LIST

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS

M12™ FUEL™ 3/8" Impact Wrench w/ Friction Ring

CATALOG NO. 2554-20
STARTING SERIAL NO. J61A

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

FIG. PART NO. DESCRIPTION OF PART NO. REQ.
1 05-88-1255 M4 x 22mm Pan Hd. ST T-20 Screw (4)
2 28-50-2554 3/8" Gear Case (1)
3 45-88-2554 Front Gear Case Washer (1)
4 44-90-1050 3/8" Friction Ring (1)
5 34-40-1885 O-Ring (1)
6 --------------- 3/8" Anvil (1)
19 34-40-2554 O-Ring (1)
30 06-82-6351 M3 x 16mm Pan Hd. ST T-10 Screw (9)
31 --------------- Belt Clip (1)
32 05-88-1015 M2.5 x 6mm Pan Hd. Phil. Mach. Scr. (1)
33 23-28-0320 Light Pipe (1)
34 45-24-2554 Forward/Reverse Shuttle (1)
35 42-70-0058 Housing Clip (1)
36 --------------- Right Housing Halve - Cover (1)
37 --------------- Left Housing Halve - Support (1)
49 49-16-2554 Rubber Boot (Optional, Accessory) (1)
50 42-55-0300 Zippered Canvas Tool Bag (1)
51 10-20-2553 Warning Label (1)
53 12-20-2554 Service Nameplate (1)
54 14-30-2554 Impacting Assembly (1)
55 44-66-2554 End Cap Assembly (1)
56 14-20-2554 Electronics Assembly (1)
57 16-01-2554 Rotor/Back Cap Assembly (1)
58 42-70-0495 Belt Clip Assembly (1)
59 31-44-2554 Housing Assembly (1)
60 42-06-2554 3/8" Friction Ring Anvil Assembly (1)
63 --------------- O-Ring (1)

FIG. LUBRICATION
(Type 'J' Grease, No. 49-08-4220):

When servicing, remove 90-95% of the existing grease prior to installing Type 'J'. Original grease maybe similar in color but not compatible with 'J'.

2 Coat anvil opening in the front of the gear case with grease.
3 Coat gear case washer with grease.
6 Lightly coat round shaft surface of anvil with grease. Place a dab of grease in cavity at rear of anvil.
54 Lightly coat the inside gear teeth of ring gear and the gear teeth of the planet gears of impacting assembly with grease.
57 Coat pinion of rotor/back cap assembly with grease.

SCREW TORQUE SPECIFICATIONS

FIG. PART NO. WHERE USED SEAT TORQUE

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<th>FIG.</th>
<th>PART NO.</th>
<th>WHERE USED</th>
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<td>Front Gear Case</td>
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Drwg. 1
STEP 1: Insert light pipe in cavity of left housing half-support.

STEP 2: Assemble HV terminal over screw boss and route HV terminal wire through channels and traps as shown.

STEP 3: Assemble PCBA into corresponding housing cavity as shown.

STEP 4: Install LED lens and tuck LED wires down in housing cavity, over HV terminal wire.

STEP 5: Install the pop switch into housing half as shown. Route wires through traps being sure wires are tucked completely down.

STEP 6: Assemble stator over pop switch wires. Be sure stator is seated firmly and squarely in housing half.
WIRING INSTRUCTIONS- two of two

STEP 7: Install forward/reverse shuttle and on-off switch into left housing halve-support. Be sure shuttle is properly seated over the forward/reverse tab on top of on-off switch.

STEP 8: Route the PCBA wires connected with battery terminal into the wire channel of left housing as shown.

STEP 9: Use a plastic/nylon instrument to carefully press blue wire into housing cavity, over the battery terminal wires.

STEP 10: Install battery terminal block into the housing halve being sure that it is firmly and squarely seated in the cavity.

STEP 11: Assemble the gear case assembly onto the left housing halve and secure with two gear case screws.

Check that all elements of electronics assembly are seated properly and that all wires are pressed completely down in wire traps and channels.

Carefully install right housing halve-cover onto left housing halve-support. Secure with five housing halve screws and the two remaining gear case screws. Install rotor back cap assembly and secure with four screws.

Check functionality of shuttle and on-off switch before installing battery.