

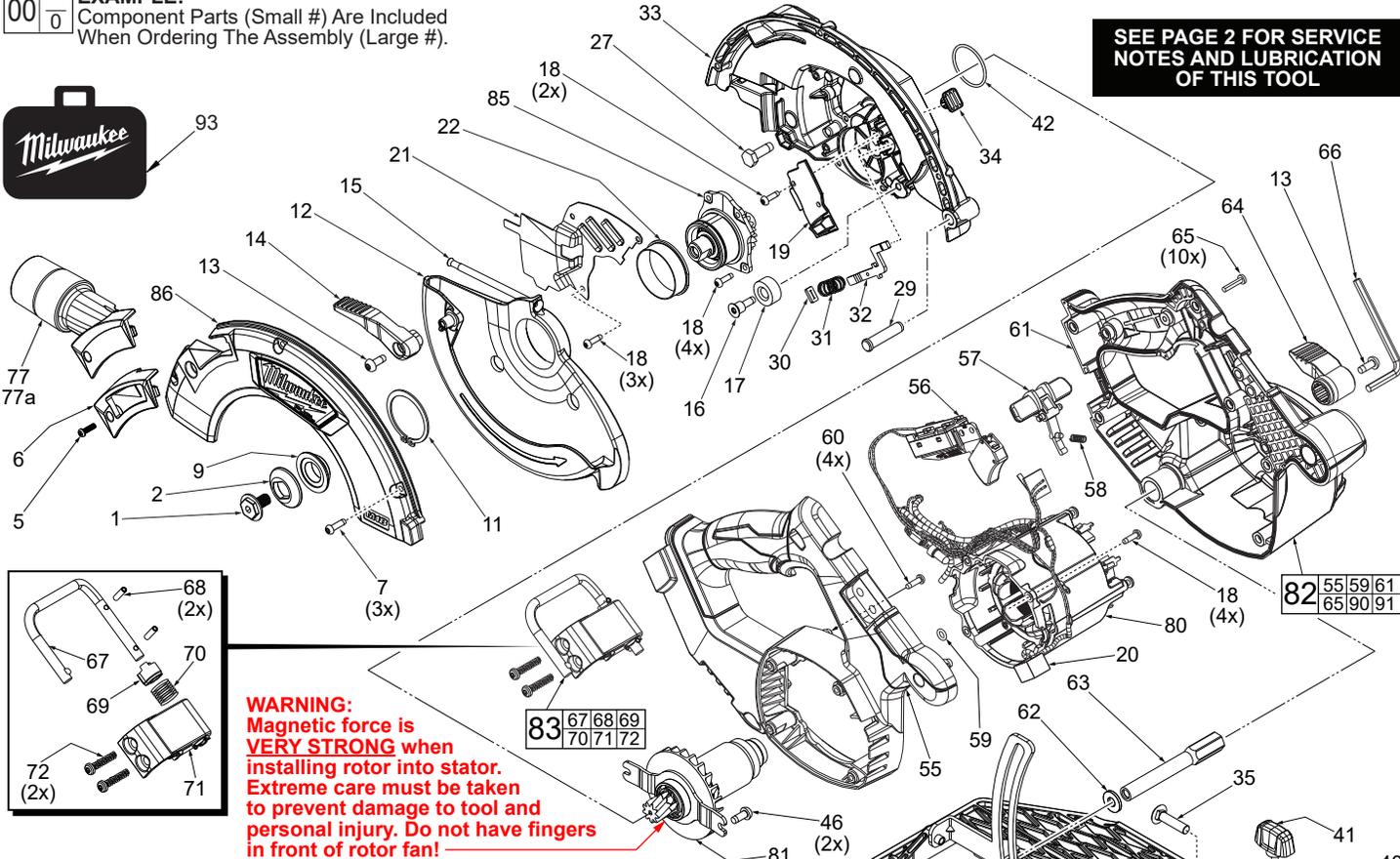


# SERVICE PARTS LIST

**BULLETIN NO.  
54-40-2790**

|  |         |   |           |
|--|---------|---|-----------|
| SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS |         | REVISED BULLETIN                            | DATE      |
| <b>M18 FUEL™ HP 7-1/4" Circular Saw</b>                |         |   | June 2018 |
| CATALOG NO.  | 2732-20 | STARTING SERIAL NO.                         | J72A      |
|  |         | WIRING INSTRUCTION<br><b>See Page Three</b> |           |

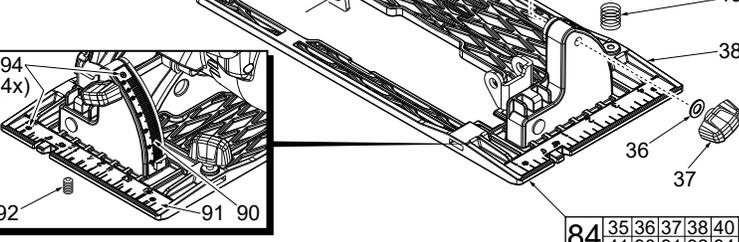
**EXAMPLE:**  
Component Parts (Small #) Are Included  
When Ordering The Assembly (Large #).



**SEE PAGE 2 FOR SERVICE NOTES AND LUBRICATION OF THIS TOOL**

**WARNING:**  
Magnetic force is **VERY STRONG** when installing rotor into stator. Extreme care must be taken to prevent damage to tool and personal injury. Do not have fingers in front of rotor fan!

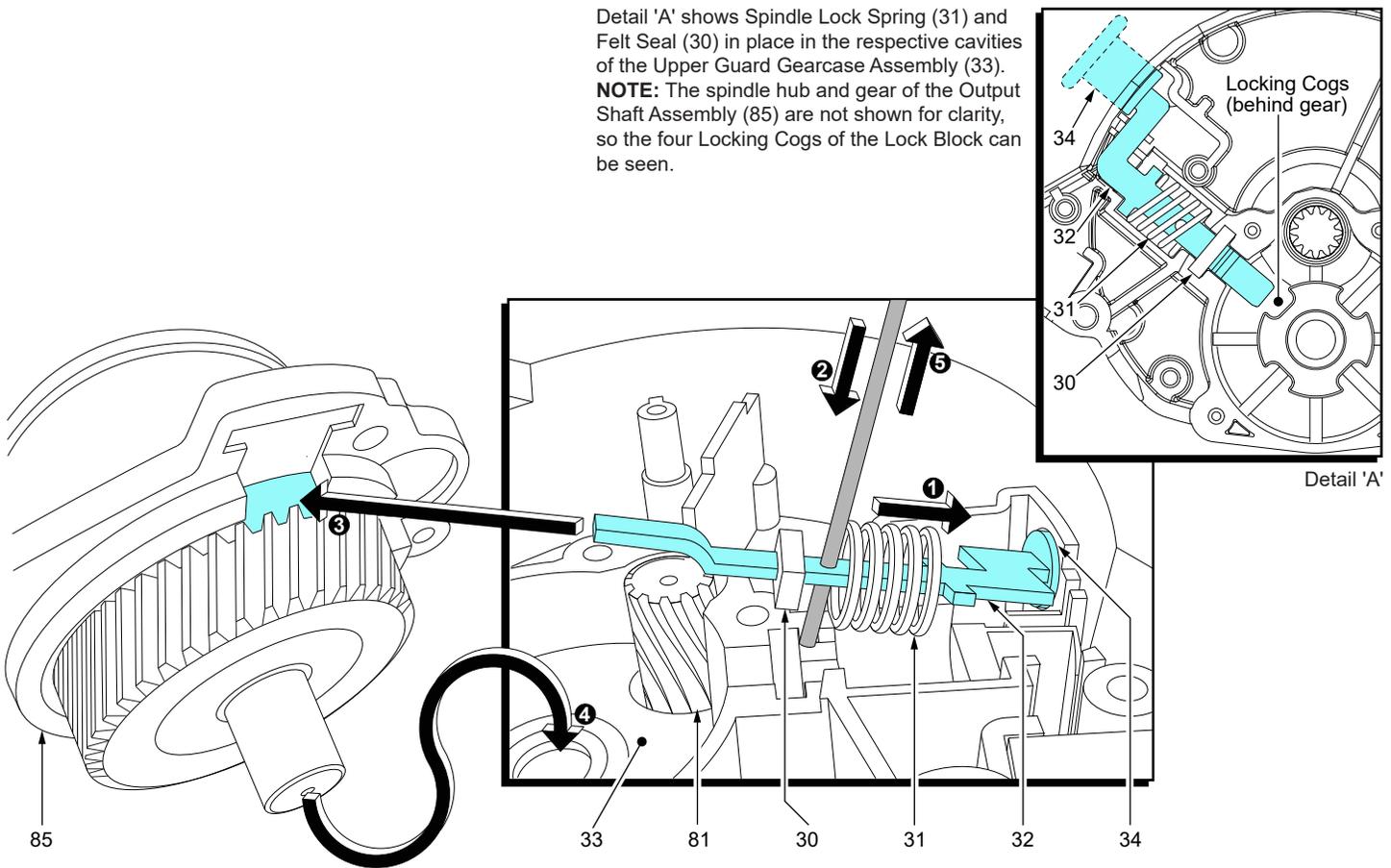
| FIG. | PART NO.   | DESCRIPTION OF PART                          | NO. REQ. |
|------|------------|--|----------|
| 1    | 06-75-1012 | Blade Screw                                  | 1        |
| 2    | 43-34-0795 | Outer Blade Flange                           | 1        |
| 5    | 05-78-1005 | M3.5 x 12mm Pan Hd. Phillips Machine Screw   | 1        |
| 6    | 49-90-4001 | Dust Chute (Accessory)                       | 1        |
| 7    | 05-78-5316 | M4 x 14mm Pan Hd. Taptite T-20 Screw         | 3        |
| 9    | 43-34-0790 | Inner Blade Flange                           | 1        |
| 11   | 34-60-0860 | Retaining Ring                               | 1        |
| 12   | 28-41-1001 | Lower Guard                                  | 1        |
| 13   | 06-82-5314 | 10-24 x 1/2" Pan Hd. Tapt. T-25 Screw        | 2        |
| 14   | 44-10-1008 | Lower Guard Lever                            | 1        |
| 15   | 40-50-0045 | Lower Guard Spring                           | 1        |
| 16   | 45-04-0485 | 10-32 x 13/16" Bumper Screw                  | 1        |
| 17   | 42-38-0222 | Rubber Bumper                                | 1        |
| 18   | 06-82-5285 | 6-32 x 1/2" Pan Hd. ST T-15 Screw            | 13       |
| 19   | 31-15-6002 | LED Cover                                    | 1        |
| 20   | 22-44-4140 | LED Assembly                                 | 1        |
| 21   | 44-46-9001 | Retaining Plate                              | 1        |
| 22   | 45-14-0015 | Spindle Hub Sleeve                           | 1        |
| 27   | 06-75-5860 | 1/4-20 x 3/4" Hex Head Bolt                  | 1        |
| 29   | 44-60-0741 | Pivot Pin                                    | 1        |
| 30   | 45-06-0720 | Felt Seal                                    | 1        |
| 31   | 40-50-8046 | Spindle Lock Spring                          | 1        |
| 32   | 44-20-1001 | Spindle Lock                                 | 1        |
| 33   | 28-14-7004 | Upper Guard Gear Case with Needle Bearing    | 1        |
| 34   | 42-42-1030 | Spindle Lock Button                          | 1        |
| 35   | 06-10-0110 | M6 x 28mm Carriage Bolt                      | 1        |
| 36   | 45-88-1560 | Washer                                       | 1        |
| 37   | 43-98-0705 | Bevel Adjustment Knob                        | 1        |
| 38   | -----      | Shoe Assembly                                | 1        |
| 40   | 40-50-0650 | Rip Fence Spring                             | 1        |
| 41   | 43-98-0605 | Rip Fence Knob                               | 1        |
| 42   | 34-40-8001 | O-Ring                                       | 1        |
| 46   | 05-74-1030 | M5 x 8mm Pan Hd. Taptite T-25 Screw          | 2        |
| 51   | 22-56-0150 | Closed End Connector (See Wiring Diagram)    | 1        |
| 52   | 23-94-2731 | High Voltage Wire Assy. (See Wiring Diagram) | 1        |
| 55   | 31-44-7002 | Handle/Housing Halve - Right                 | 1        |
| 56   | 23-66-5027 | On-Off Switch                                | 1        |
| 57   | 42-42-0345 | Lock-Off Button                              | 1        |
| 58   | 40-50-1760 | Lock-Off Button Spring                       | 1        |
| 59   | 34-40-4480 | O-Ring                                       | 1        |
| 60   | 05-78-1010 | M3.5 x 12mm Pan Hd. T-10 Machine Screw       | 4        |
| 61   | 31-44-6002 | Handle/Housing Halve - Left                  | 1        |
| 62   | 45-88-1515 | Washer                                       | 1        |
| 63   | 45-08-0395 | Depth Shaft                                  | 1        |



| FIG. | PART NO.   | DESCRIPTION OF PART                    | NO. REQ. |
|------|------------|--|----------|
| 64   | 44-10-0018 | Depth Lever                            | 1        |
| 65   | 06-82-7470 | 6 x 11/16" Pan Hd. Plastite T-15 Screw | 10       |
| 66   | 49-96-0600 | Hex Key                                | 1        |
| 67   | 43-74-0065 | Rafter Hook Bar                        | 1        |
| 68   | 44-60-0585 | Coil Pin                               | 2        |
| 69   | 45-22-1005 | Detent Sleeve                          | 1        |
| 70   | 40-50-0985 | Spring                                 | 1        |
| 71   | 43-74-8001 | Rafter Hook Housing                    | 1        |
| 72   | 06-82-0052 | M6 x 32mm Pan Hd. PT T-25 Screw        | 2        |
| 75   | 05-81-1195 | M3 x 8mm Pan Hd. ST T-10 Screw         | 2        |
| 77   | 49-90-3001 | Dust Adapter (Standard Equipment)      | 1        |
| 77a  | 49-90-3002 | Dust Adapter (Optional)                | 1        |
| 80   | 14-20-7007 | Electronics Assembly                   | 1        |
| 81   | 16-01-7009 | Rotor Assembly                         | 1        |
| 82   | 14-38-7008 | Handle/Housing Kit                     | 1        |
| 83   | 14-34-7006 | Rafter Hook Assembly                   | 1        |
| 84   | 14-74-7005 | Shoe Assembly                          | 1        |
| 85   | 38-50-7003 | Output Shaft Assembly                  | 1        |
| 86   | 28-20-7002 | Upper Guard Cover Assembly             | 1        |
| 87   | 12-20-8397 | Service Nameplate (Not Shown)          | 1        |
| 88   | 10-20-2032 | Warning Label (Not Shown)              | 1        |
| 89   | 49-22-2731 | Rip Fence (Not Shown)                  | 1        |
| 90   | 31-51-0137 | Bevel Scale                            | 1        |
| 91   | 31-51-0132 | Front Scale                            | 1        |
| 92   | 06-83-1600 | Set Screw                              | 1        |
| 93   | 42-55-2743 | Medium FUEL Contractor Bag             | 1        |
| 94   | 06-81-0015 | M2.5 x 3.175 Phillips Screw            | 4        |

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Drwg. 1

Detail 'A' shows Spindle Lock Spring (31) and Felt Seal (30) in place in the respective cavities of the Upper Guard Gearcase Assembly (33).  
**NOTE:** The spindle hub and gear of the Output Shaft Assembly (85) are not shown for clarity, so the four Locking Cogs of the Lock Block can be seen.



**ASSEMBLING OUTPUT SHAFT ASSEMBLY (85) INTO UPPER GUARD GEARCASE ASSEMBLY (33)**

To prevent damage to the Felt Seal (30) it is recommended to temporarily remove the felt seal until steps 1 and 2 are completed.

1. With the use of both hands, compress the Spindle Lock Spring (31) back on the Spindle Lock Plate (32) past the small hole on the plate.
2. While holding the spring back with one hand, quickly insert a thin metal instrument into the small hole on the plate. The metal instrument should capture the entire spring (all coils should be behind that tool).

With the spindle lock spring trapped behind the small hole on the spindle lock plate, slide the felt seal back onto the spindle lock plate. Position the felt seal above the corresponding cavity in the Upper Guard Gearcase (33).

3. Insert the open end of the spindle lock plate (32) into the opening of the Output Shaft Assembly (85) behind the gear, as shown.

4. Insert the bearing shaft portion of the output shaft assembly into the needle bearing of the upper guard gearcase assembly. Carefully wiggle the entire output shaft assembly until the gearing of the output shaft assembly engages with the pinion gearing of the Rotor (81) and the output shaft assembly slides into place.

Secure the output shaft assembly to the upper guard gearcase assembly with the use of four screws (18), not shown. It is recommended to alternate the tightening of the screws.

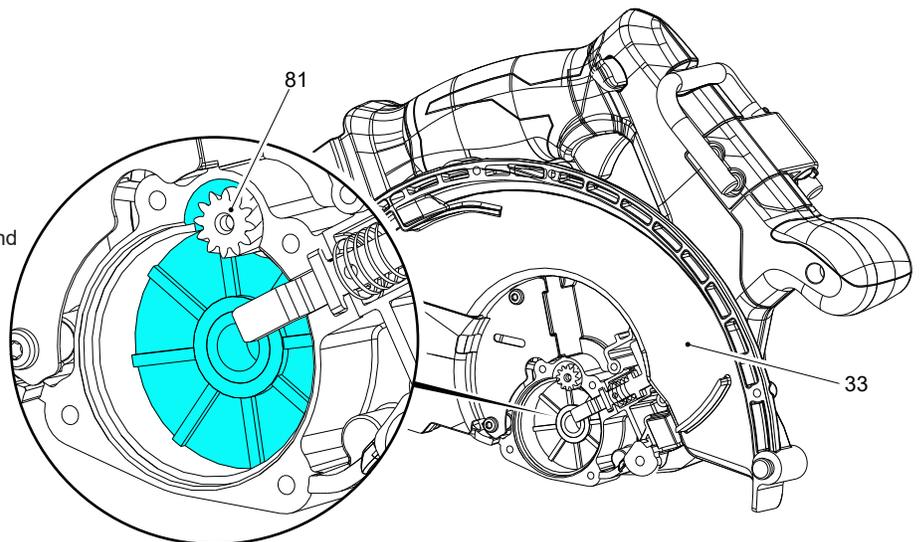
5. Remove the thin metal instrument. Check for the proper functioning of the spindle locking mechanism. Rotate the spindle shaft and depress the Spindle Lock Button (34) at the same time. The spindle lock plate should drop into one of four cogs that lock the spindle. Spindle lock mechanism must return briskly when released from engagement in the lock block cog.

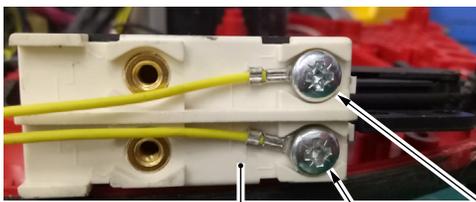
**LUBRICATION**

**Type 'J' Grease, No. 49-08-4220**

Apply 3.0 grams (.10 oz) of 'J' Grease to the gear bore in Upper Guard Gearcase (33). The grease should be directed toward the pinion end of the rotor (81).

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



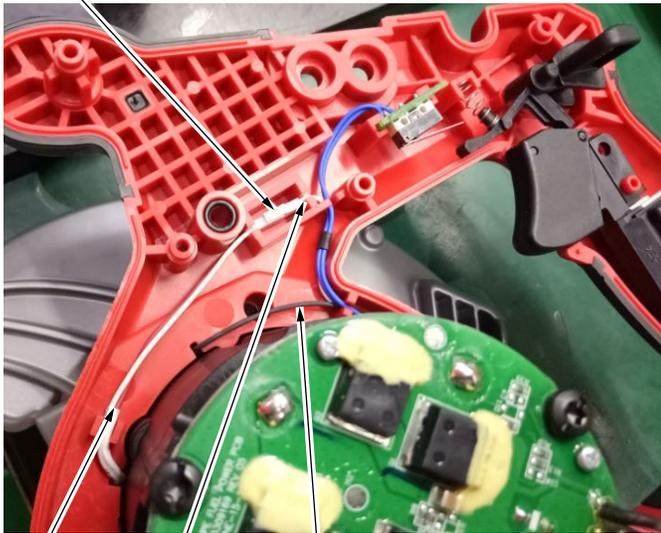


CONNECTOR SWITCH SW, Yellow SW, Yellow

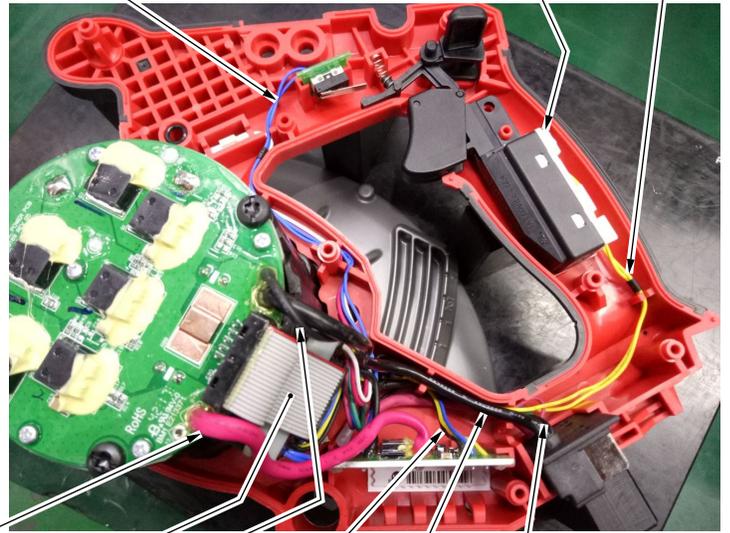
BNT-IN,BNT-OUT

SWITCH

SW,SW\_S



W9/W10 W7/W8 HV\_GND 2



B+SW RIBBON CABLE B-PW GND,R-,SSen BAT+,B+ BAT-,HV\_GND 1,DP,DC

| WIRE     | WIRE COLOR | WIRE DESTINATION                |
|----------|------------|---------------------------------|
| SW       | YELLOW     | SWITCH TO CONTROL BOARD         |
| SW_S     | YELLOW     | SWITCH TO CONTROL BOARD         |
| RIBBON   | WHITE      | CONTROL BOARD TO POWER BOARD    |
| BAT+     | RED        | TERMINAL TO SSD BOARD           |
| B+       | RED        | TERMINAL TO CONTROL BOARD       |
| DP       | BLUE       | TERMINAL TO CONTROL BOARD       |
| DC       | GREEN      | TERMINAL TO CONTROL BOARD       |
| BAT-     | BLACK      | TERMINAL TO POWER BOARD         |
| HV_GND 1 | BLACK      | TERMINAL TO CLOSE END CONNECTOR |
| B+SW     | RED        | SSD BOARD TO POWER BOARD        |
| B-PW     | BLACK      | SSD BOARD TO POWER BOARD        |
| HV_GND 2 | BLACK      | TERMINAL TO CLOSE END CONNECTOR |
| GND_     | BLACK      | CONTROL BOARD TO SSD BOARD      |
| R-       | YELLOW     | CONTROL BOARD TO SSD BOARD      |
| SSen     | BLUE       | CONTROL BOARD TO SSD BOARD      |
| BTN-IN   | BLUE       | CONTROL BOARD TO MICRO SWITCH   |
| BTN-OUT  | BLUE       | CONTROL BOARD TO MICRO SWITCH   |
| W7/W8    | RED,WHITE  | CONTROL BOARD TO CONNECTOR      |
| W9/W10   | RED,WHITE  | WORKLIGHT TO CONNECTOR          |

