



# SERVICE PARTS LIST

BULLETIN NO.  
54-26-2880

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS		REVISED BULLETIN	DATE
<b>M18™ Brushless 1/4" Hex Impact Driver (3 Speed)</b>			May 2019
CATALOG NO. <b>2851-20</b>	STARTING SERIAL NO. <b>J56A</b>	WIRING INSTRUCTION <b>See Pages 2 &amp; 3</b>	

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

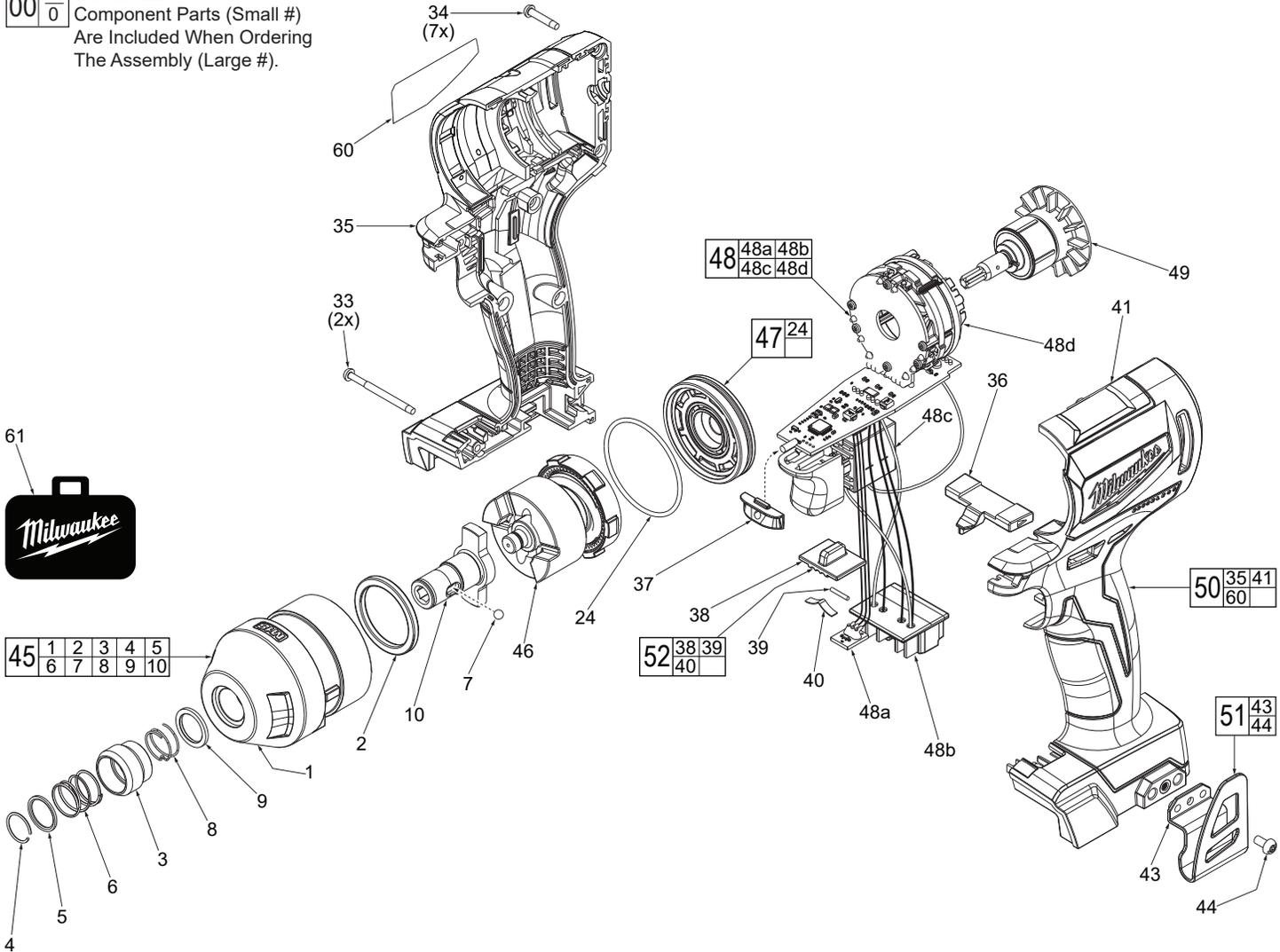


FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	-----	Front Gear Case	(1)
2	45-88-2653	Front Gear Case Washer	(1)
3	42-76-0019	Sleeve	(1)
4	34-60-0005	Retaining Ring	(1)
5	45-88-2026	Washer	(1)
6	40-50-0056	Spring	(1)
7	02-02-1100	Steel Ball	(1)
8	40-50-0057	Spring	(1)
9	45-88-1547	Washer	(1)
10	42-06-2800	Anvil	(1)
24	34-40-0595	O-Ring	(1)
33	06-82-2367	M3 x 38mm Pan Hd. ST T-10 Screw	(2)
34	06-82-6351	M3 x 16mm Pan Hd. ST T-10 Screw	(7)
35	-----	Right Handle Halve - Cover	(1)
36	45-24-0260	Shuttle	(1)
37	23-28-0400	LED Lens	(1)
38	-----	Speed Selector	(1)
39	-----	Shuttle	(1)
40	40-50-0027	Spring Plate	(1)
41	-----	Left Handle Halve - Support	(1)
43	-----	Belt Clip	(1)
44	06-82-2500	6-32 x 5/16 St. Pan Hd. T-15 Mach. Sc.	(1)
45	14-30-2800	Gearcase/Anvil Assembly	(1)
46	14-30-2805	Gear Box Impacting Assembly	(1)
47	44-66-2680	End Cap Assembly	(1)
48	14-20-2820	Electronics Assembly	(1)
48a	-----	Hall Sensor PCBA	(1)
48b	-----	Battery Terminal Connector Block	(1)
48c	-----	On-Off Switch	(1)
48d	-----	Stator/Main PCBA	(1)

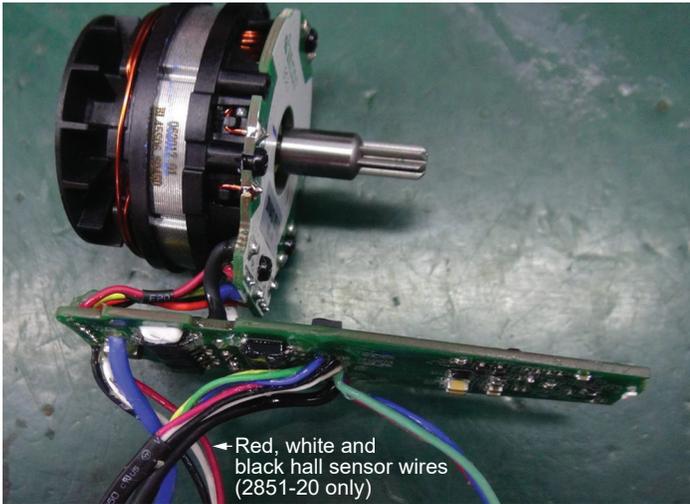
FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
49	16-01-2830	Rotor Assembly	(1)
50	31-44-2864	Handle Housing Kit	(1)
51	42-70-0950	Belt Clip Kit	(1)
52	45-24-1300	Speed Selector Kit	(1)
60	12-20-4107	Service Nameplate	(1)
61	42-55-4002	Carrying Case, Optional Equipment	(1)
62	10-20-4107	Warning Label (Not Shown)	(1)

**FIG. LUBRICATION**

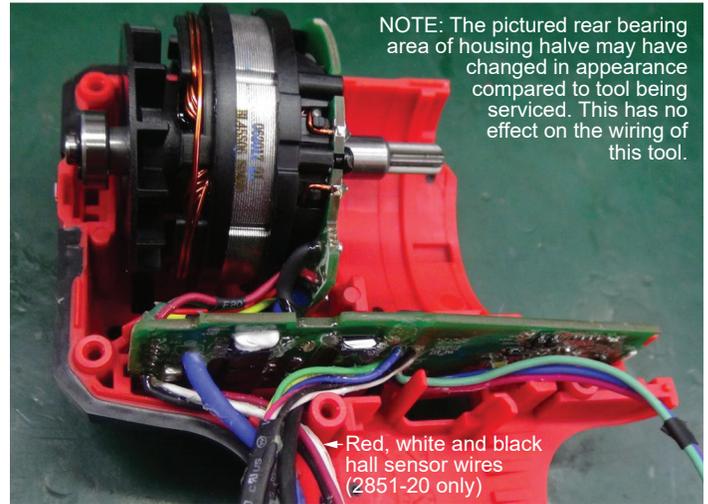
**Use Type 'J' Grease, No. 49-08-4220 (1 lb. can)**  
Service grease may not be compatible with grease used during manufacturing. 90-95% of the old grease must be removed prior to any new grease being added.

- 10 Lightly coat front washer surface of anvil with grease, place a dab in the ball cavities of anvil.
- 45 Coat inside of bushing inside front gearcase with grease.
- 46 **NOTE:** Do not wash impact assembly. Use a clean, dry cloth to wipe away any excess grease or contamination.
- 46 Lightly coat the I.D. of the ring gear and the center of the planet gears of impacting assembly with grease.
- 49 Coat pinion of rotor assembly with grease.

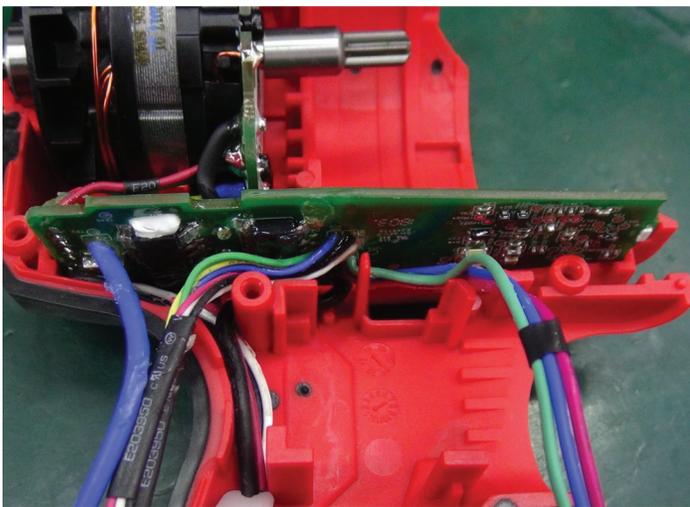
**WIRING INSTRUCTIONS- one of two**



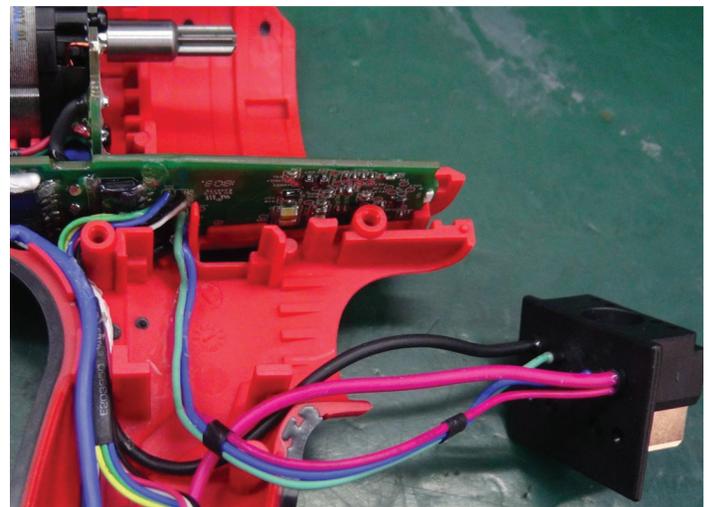
**STEP 1:** Carefully insert rotor into stator. Arrange wires as shown above. Note the red, white and black wires to the back of PCBA are connected to the hall sensor, model 2851-20 only. 2850-20 won't have the hall sensor.



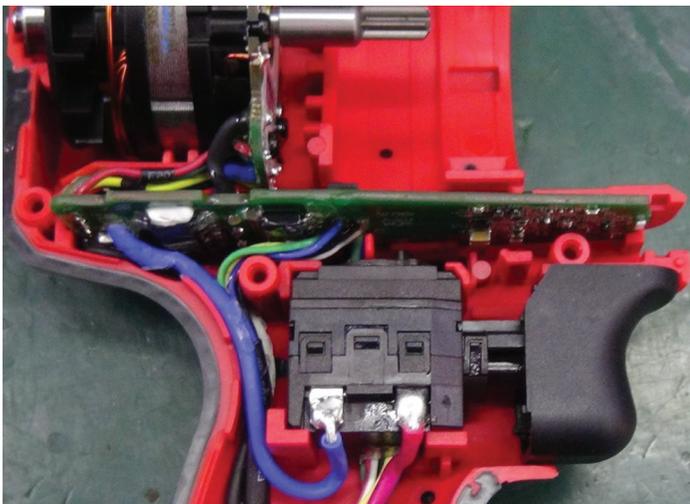
**STEP 2:** Place rotor/stator and PCBA firmly and squarely in cavities of left housing half. Arrange wires as shown above.



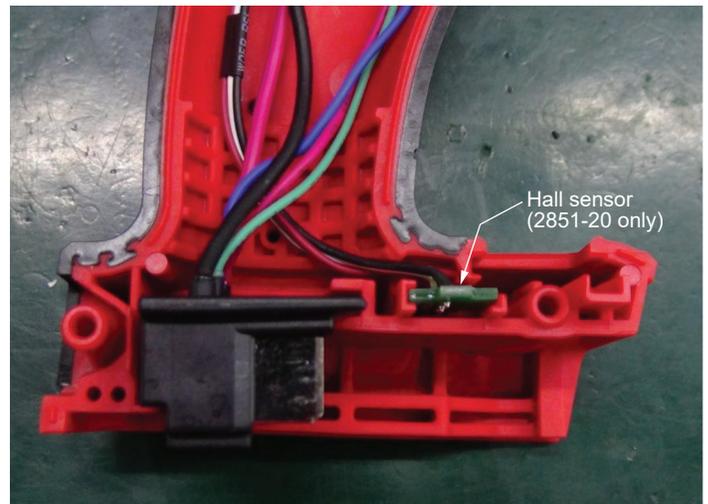
**STEP 3:** Separate and organize wires as shown above. For the 2851-20, place three hall sensor wires in bottom of housing half behind on-off switch cavity. Place black battery terminal wire over those three wires.



**STEP 4:** Route remaining wires as shown, over the wires from step 3 behind the switch cavity and through the bottom of switch cavity prior to installing on-off switch.



**STEP 5:** Place on-off switch firmly and squarely in cavity of left housing half. Be sure all previously placed wires are still captured in properly in wire traps and channels.

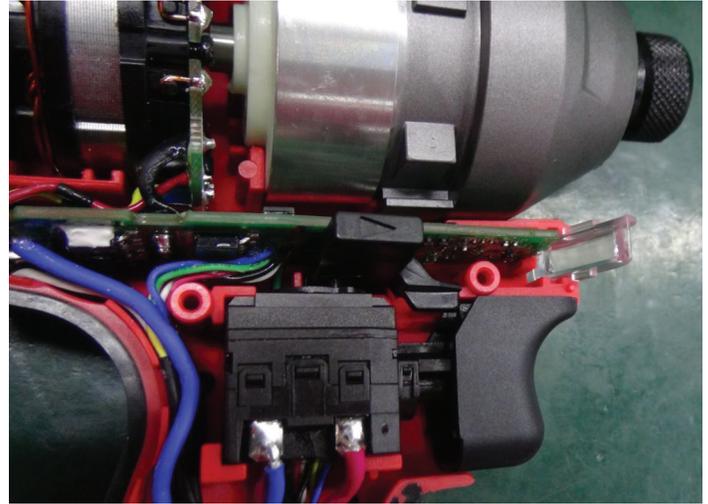


**STEP 6:** Place battery terminal block and hall sensor firmly and squarely in cavity of left housing half. Be sure to capture hall sensor wires in trap as shown, model 2851-20 only.

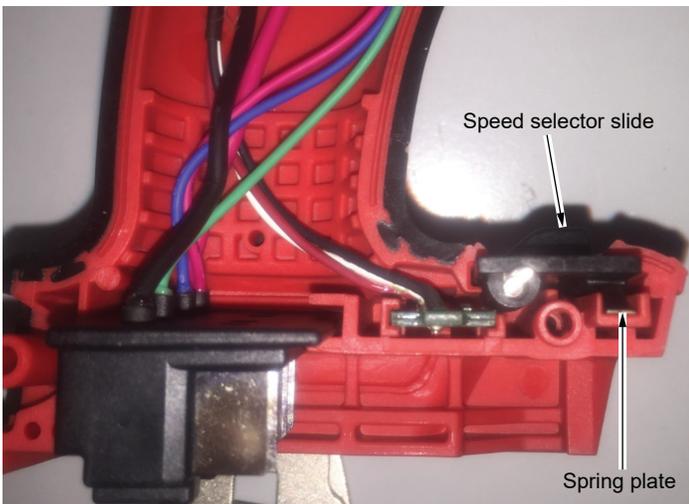
**WIRING INSTRUCTIONS- two of two**



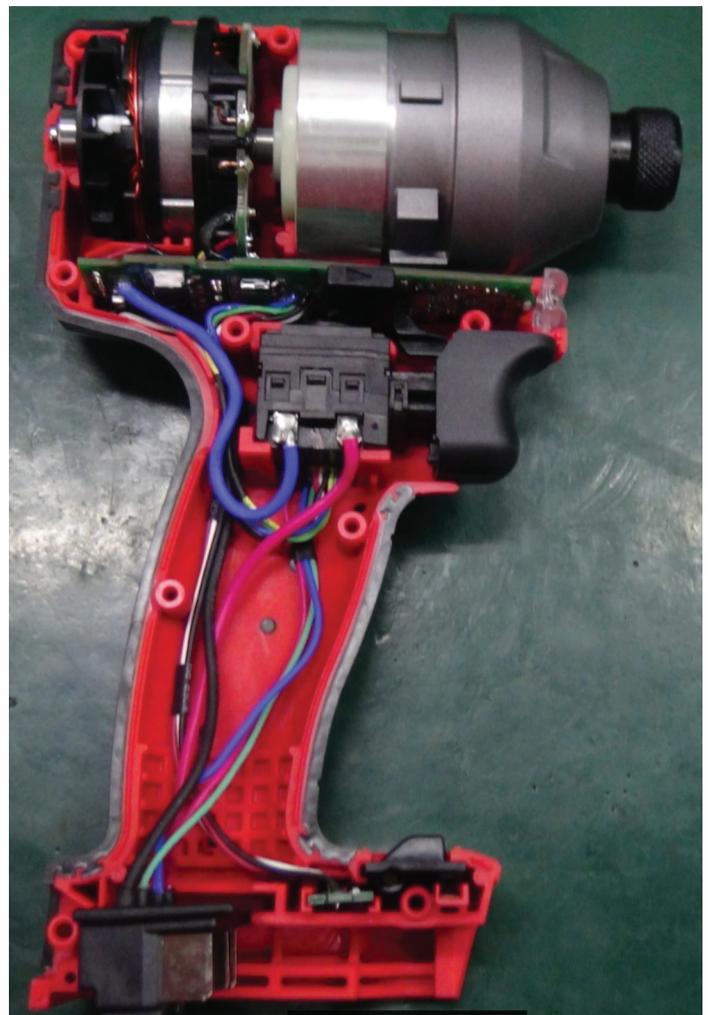
**STEP 7:** Assemble gear box/impact assembly onto rotor pinion. Be sure gear box, rotor and stator are firmly and squarely seated in left housing half and that the rotor fan has movement.



**STEP 8:** Install shuttle onto on-off switch being sure that top switch tab is captured in the bottom cavity of shuttle. Check for proper shuttle and switch functionality. Install LED lens into housing half recess.



**STEP 9:** Install spring plate and speed selector slide into left housing half.



**STEP 10:** 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 half-cover onto left housing half-support. Watch for pinched wires. Secure with nine housing half screws.

Check functionality of shuttle and on-off switch (and speed selector slide on the 2851-20) before installing battery.