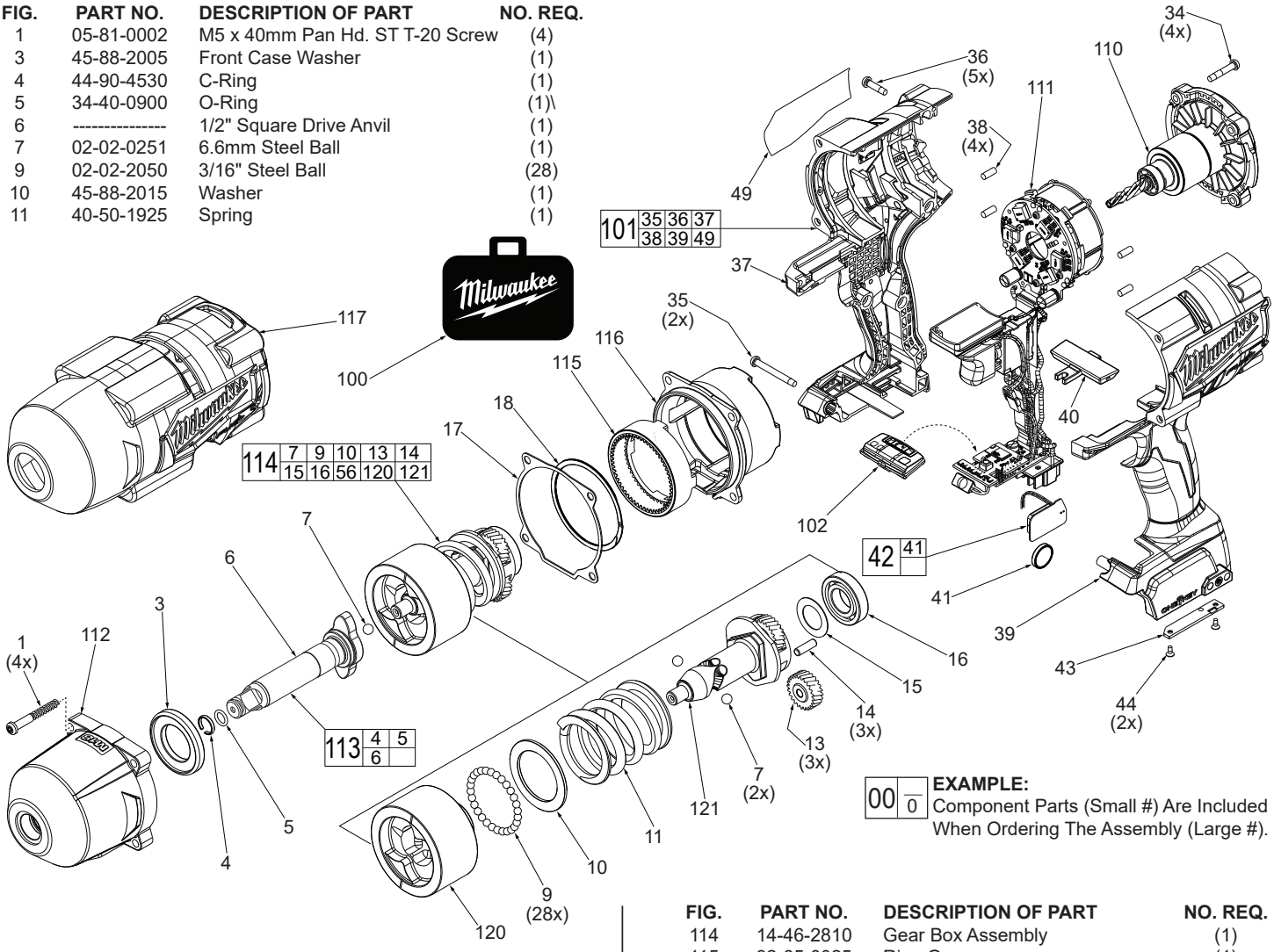
SERVICE PARTS LIST

BULLETIN NO. 54-26-2950

SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS		REVISED BULLETIN	DATE
M18™ FUEL™ ONE KEY™ 1/2" EXT. ANVIL HTIW			May 2019
CATALOG NO. 2769-20	STARTING SERIAL NO. **K94A**	WIRING INSTRUCTION	**See Pages 2 and 3**

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
1	05-81-0002	M5 x 40mm Pan Hd. ST T-20 Screw	(4)
3	45-88-2005	Front Case Washer	(1)
4	44-90-4530	C-Ring	(1)
5	34-40-0900	O-Ring	(1)\
6	----------	1/2" Square Drive Anvil	(1)
7	02-02-0251	6.6mm Steel Ball	(1)
9	02-02-2050	3/16" Steel Ball	(28)
10	45-88-2015	Washer	(1)
11	40-50-1925	Spring	(1)



EXAMPLE: 00 | 0
Component Parts (Small #) Are Included When Ordering The Assembly (Large #).

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
13	32-62-0700	Planet Gear	(3)
14	44-60-1960	Planet Gear Pin	(3)
15	45-88-2020	Washer	(1)
16	02-04-0375	Ball Bearing	(1)
17	43-44-0011	Gasket	(1)
18	34-60-5002	Retaining Ring	(1)
34	06-82-4001	M4 x 22mm Pan Hd. ST T-20 Screw	(4)
35	06-82-4002	M4 x 35mm Pan Hd. ST T-20 Screw	(2)
36	06-82-4003	M4 x 16mm Pan Hd. ST T-20 Screw	(5)
37	----------	Right Housing Halve - Cover	(1)
38	45-30-0255	Rubber Slug	(4)
39	----------	Left Housing Halve - Support	(1)
40	45-24-0022	Forward/Reverse Shuttle	(1)
41	50-11-0020	3V Coin Cell Battery (CR 2032)	(1)
42	22-09-2757	Coin Cell Board Assembly w/Battery	(1)
43	31-15-0011	Coin Cell Cover	(1)
44	05-81-1100	M2.6 x 6mm ST Phillips Screw	(2)
49	12-20-2810	Service Nameplate	(1)
100	42-55-2866	Contractor Bag	(1)
101	31-44-0053	Housing Assembly	(1)
102	45-24-0310	Speed Selector Assembly	(1)
110	16-01-0400	Rotor/End Cap Assembly	(1)
111	14-20-0122	Electronics Assembly	(1)
112	14-30-0017	Front Gear Case Assembly	(1)
113	42-06-0131	1/2" Square Drive Anvil Assembly	(1)

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
114	14-46-2810	Gear Box Assembly	(1)
115	32-65-0025	Ring Gear	(1)
116	44-66-0004	Rear Gear Case	(1)
117	49-16-2767	Rubber Boot, Accessory	(1)
120	43-81-0305	Hammer	(1)
121	36-10-0905	Camshaft	(1)

LUBRICATION

Use Type 'J' Grease, No. 49-08-4220 (1 lb. can)

NOTE: Service grease may not be compatable with grease used during manufacturing. 90-95% of the old grease must be removed prior to any new grease being added. *See grease application to gear and hammering mechanism on page two.*

SCREW TORQUE SPECIFICATIONS

FIG.	PART NO.	WHERE USED	SEAT TORQUE (KG/CM)	SEAT TORQUE (IN/LBS)
1	06-82-4000	Front Gear Case	36±3	31±2
34	06-82-4004	Rotor/End Cap Assy.	16±2	14±1
35	06-82-4002	Right Housing Halve	16±2	14±1
36	06-82-4003	Right Housing Halve	16±2	14±1
44	05-81-1100	Coin Cell Cover	2.5-3.5	2-3

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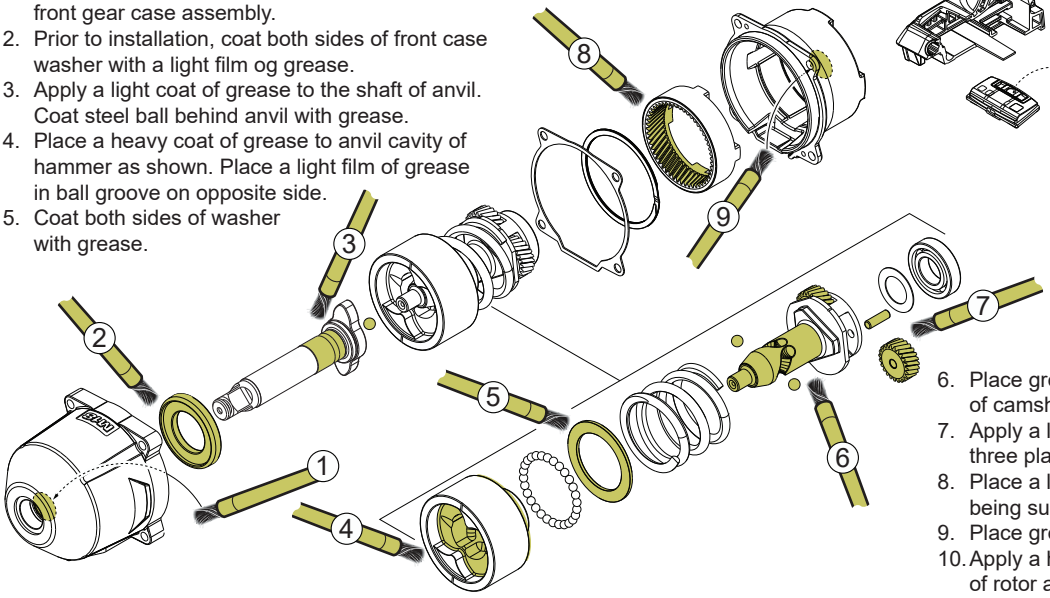
LUBRICATION

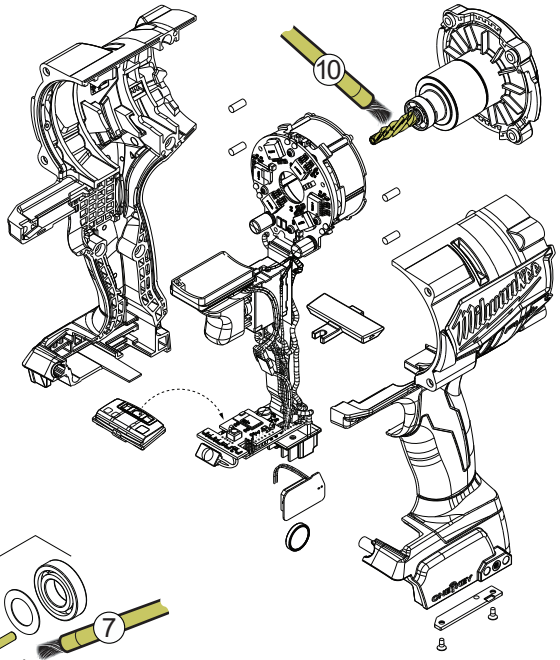
Use Type 'J' Grease, No. 49-08-4220 (1 lb. can)

NOTE: Service grease may not be compatable with grease used during manufacturing. 90-95% of the old grease must be removed prior to any new grease being added. *See grease application to gear and hammering mechanism on page two.*

NOTE
Regarding parts to be lubricated:
Apply a light coating of grease to all highlighted parts shown prior to installation. Reference key above for grease types.

1. Apply a light coat of grease to bushing surface of front gear case assembly.
2. Prior to installation, coat both sides of front case washer with a light film og grease.
3. Apply a light coat of grease to the shaft of anvil. Coat steel ball behind anvil with grease.
4. Place a heavy coat of grease to anvil cavity of hammer as shown. Place a light film of grease in ball groove on opposite side.
5. Coat both sides of washer with grease.

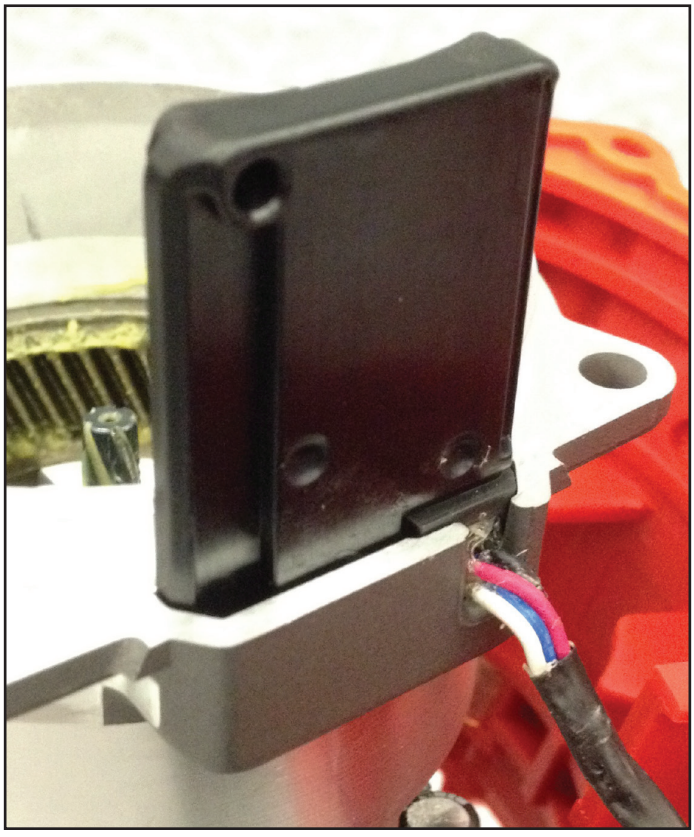




6. Place grease around shaft and in ball groove of camshaft.
7. Apply a liberal amount of grease to teeth of the three planet gears. Coat corresponding three pins.
8. Place a liberal amount of grease in the ring gear being sure all teeth are coated.
9. Place grease in back cavity of rear gear case.
10. Apply a heavy coat of grease to pinion gear teeth of rotor assembly.

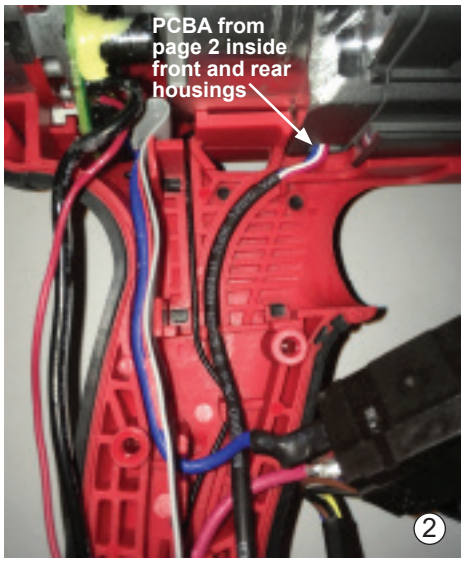
WIRING

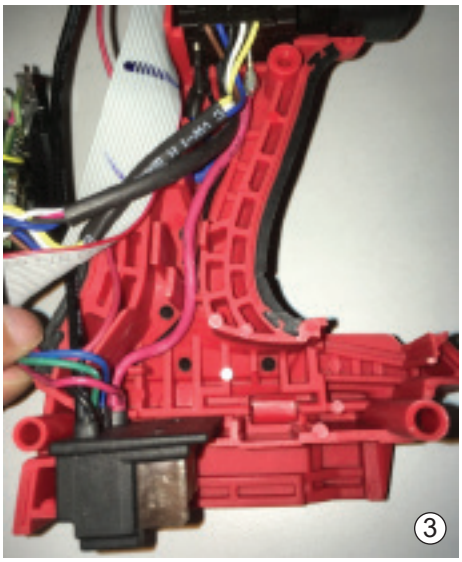
Prior to installing the electronics assembly in left housing halve, PCBA Assembly must be installed in bottom cavitiy of front and rear gear case assemblies. Orient PCBA so wires can be inserted through slot in the bottom of rear gear case as shown.



With PCBA squarely and firmly seated, place gasket onto rear gear case. Install gear/hammer/anvil mechanisms in front gear case assembly. Carefully place those assemblies into and onto the rear gear case, trapping the PCBA inside.


1


PCBA from page 2 inside front and rear housings
2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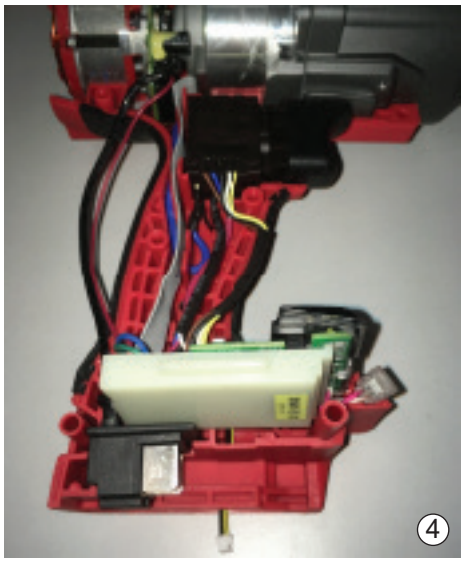
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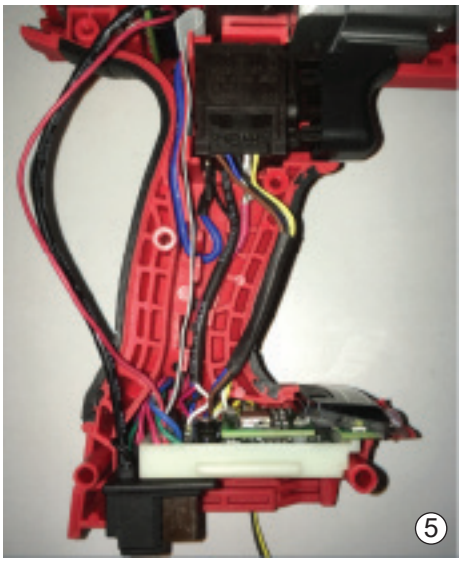
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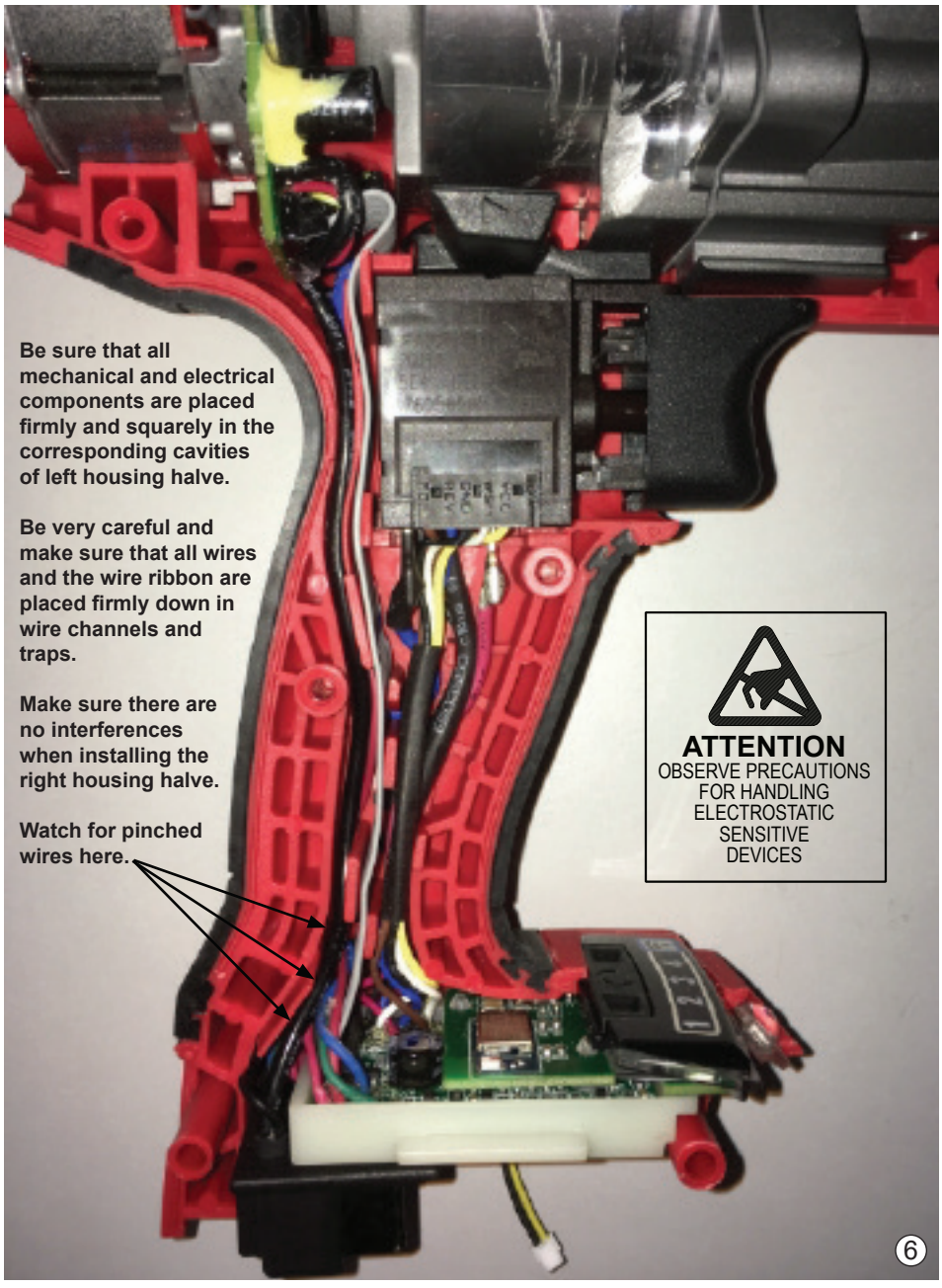
Be sure that all mechanical and electrical components are placed firmly and squarely in the corresponding cavities of left housing halve.
Be very careful and make sure that all wires and the wire ribbon are placed firmly down in wire channels and traps.
Make sure there are no interferences when installing the right housing halve.
Watch for pinched wires here.
ATTENTION
OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES
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