



M18 ONEFHIWF1

SERVICE PARTS DIAGRAM

TTI Model Number: 018 315 008, 002, 024

M18™ FUEL 1" HIGH TORQUE IMPACT WRENCH

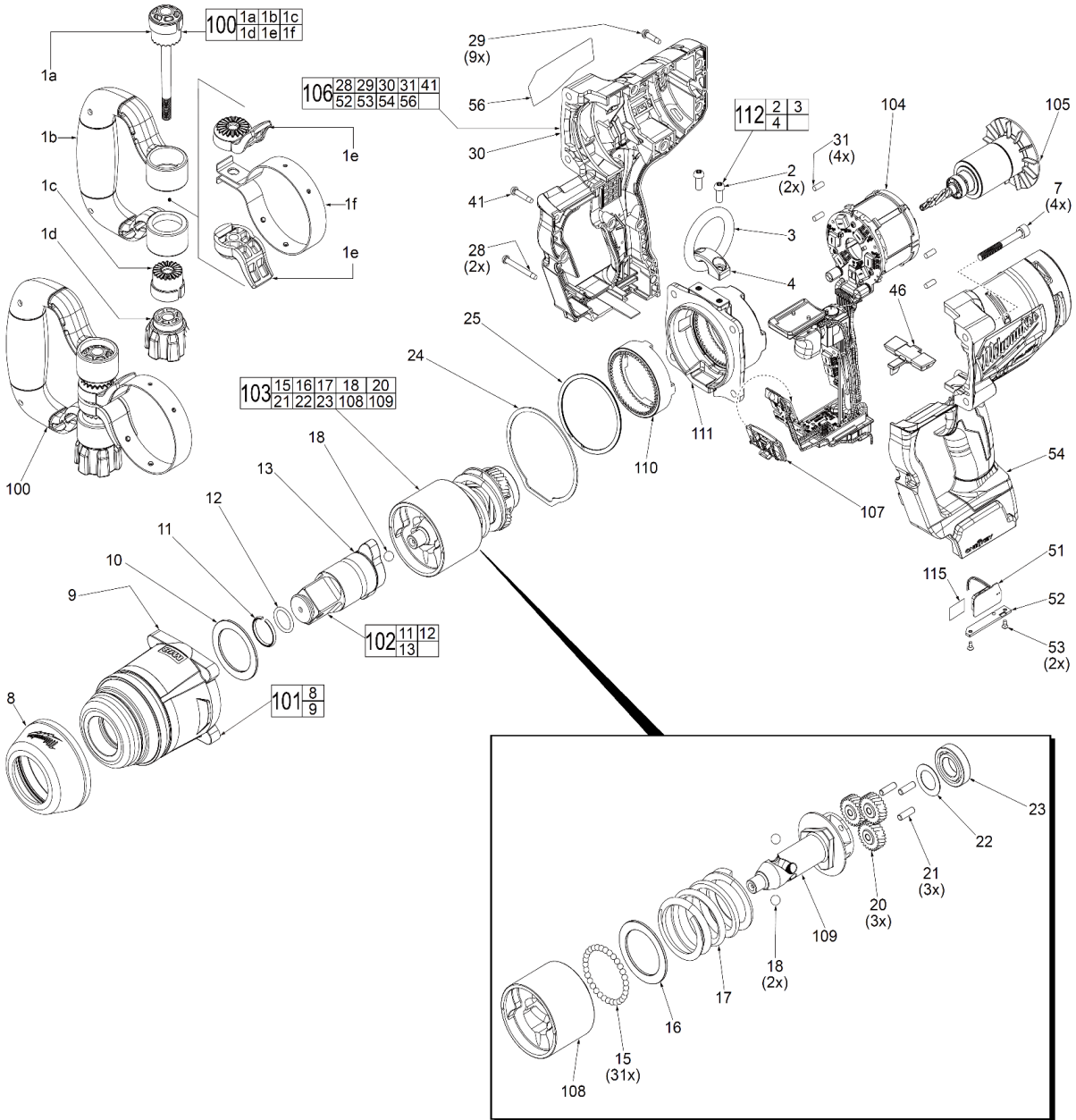
Bulletin Date:

Dec-20

Starting Serial Number:

VERSION A - H2019

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





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SERVICE PARTS LIST

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ITEM	PART NUMBER	PART DESCRIPTION	QTY (PCS)
1a	534909001	TOP HANDLE TOP CAP WITH INSERT BOLT	1
1b	534780001	SIDE HANDLE GRIP	1
1c	534907001	SIDE HANDLE JAW	1
1d	534908001	SIDE HANDLE KNOB WITH INSERT NUT	1
1e	534911001	SIDE HANDLE CLAMP	2
1f	635456001	SIDE HANDLE BAND	1
2	660410003	M5 X 13MM SCREW	2
3	697467001	RING	1
4	635963001	RING HOLDER	1
7	662910001	M6 X 50MM SCREW	4
8	564659001	GEARCASE BOOT	1
9	314857001	FRONT GEARCASE	1
10	536751001	WASHER	1
11	696779001	C RING	1
12	564658001	O-RING	1
13	621352174	1" SQUARE DRIVE ANVIL	1
15	680015001	3/16" STEEL BALL	31
16	680335116	WASHER	1
17	693164052	SPRING	1
18	681773003	5/16" STEEL BALL	3
20	610448038	PLANET GEAR	3
21	671565004	PLANET PIN	3
22	680335096	WASHER	1
23	681340014	BALL BEARING	1
24	564438002	GASKET	1
25	637995002	RETAINING RING	1
28	660436008	M4 X 35MM SCREW	2
29	660024064	M4 X 16MM SCREW	9
30	-	RIGHT HOUSING HALVE - COVER	1
31	560085001	RUBBER CUSHION	4
41	661947002	M4 X 22MM SCREW	1
46	534778001	FORWARD/REVERSE SHUTTLE	1
51	280353008	COIN CELL PCBA	1
52	528996001	COIN CELL COVER	1
53	660221008	M2.6 X 6MM SCREW	2
54	-	HOUSING HALVE LEFT - SUPPORT	1



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ITEM	PART NUMBER	PART DESCRIPTION	QTY (PCS)
56	941049424	RATING LABEL <i>018315008 ASIA, 024 JP VERSION</i>	1
56	941049857	RATING LABEL <i>018315002 ASIA VERSION</i>	1
100	204726004	SIDE HANDLE ASSEMBLY	1
101	204725003	FRONT GEARCASE ASSEMBLY	1
102	204600006	1" ANVIL ASSEMBLY	1
103	208312008	HAMMER ASSEMBLY	1
104	208330003	ELECTRONICS ASSY	1
105	208310003	ROTOR ASSEMBLY	1
105	208310009	ROTOR ASSEMBLY <i>018315024 ONLY JP VERSION</i>	1
106	204592012	HOUSING ASSEMBLY	1
107	204221002	MODE SELECTOR ASSEMBLY	1
108	204594003	HAMMER	1
109	204820002	CAMSHAFT	1
110	204603001	RING GEAR	1
111	204726003	REAR GEARCASE	1
112	204726005	RING HOLDER ASSEMBLY	1
114	307640091	DYNACASE ASS'Y WITH FOAM AND CLAMSHELL	1
115	565248001	FOAM PAD	1
1200	-	TYPE J GREASE	1



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SERVICE INSTRUCTION

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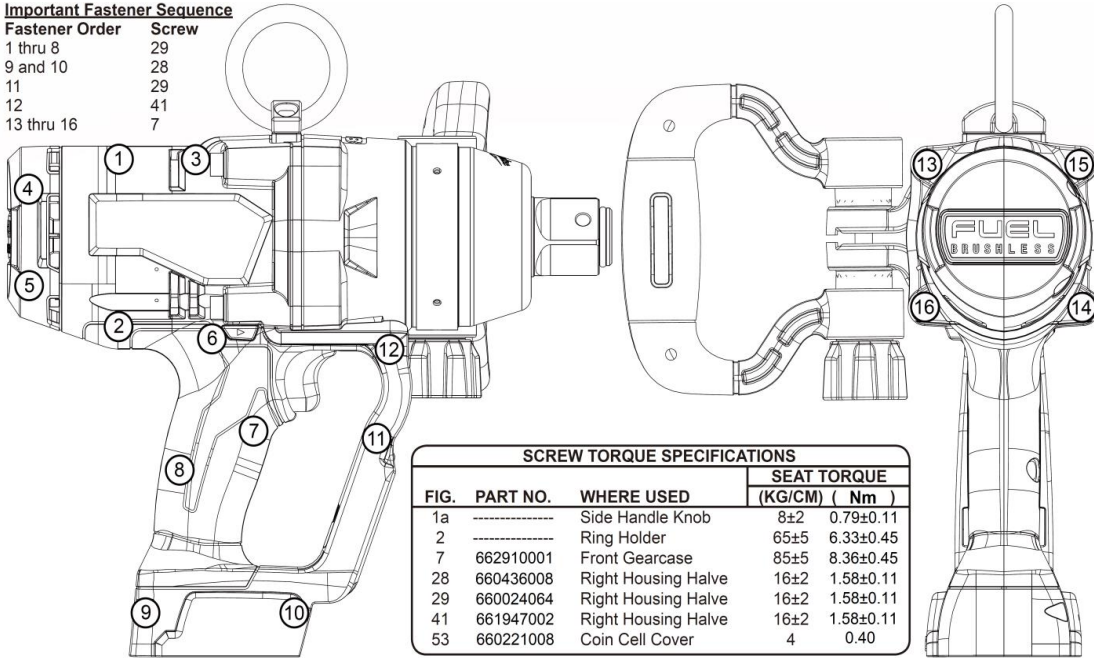
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Important Fastener Sequence

Fastener Order	Screw
1 thru 8	29
9 and 10	28
11	29
12	41
13 thru 16	7



SCREW TORQUE SPECIFICATIONS

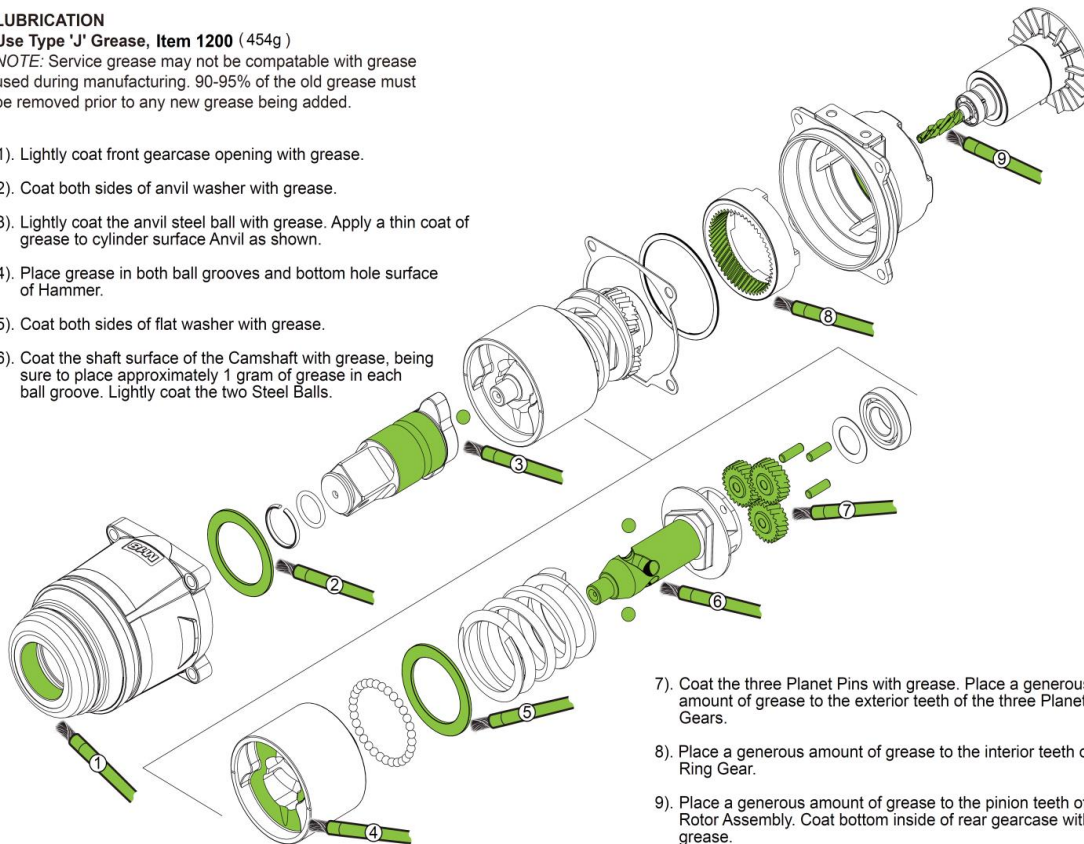
FIG.	PART NO.	WHERE USED	SEAT TORQUE	
			(KG/CM)	(Nm)
1a	-----	Side Handle Knob	8±2	0.79±0.11
2	-----	Ring Holder	65±5	6.33±0.45
7	662910001	Front Gearcase	85±5	8.36±0.45
28	660436008	Right Housing Halve	16±2	1.58±0.11
29	660024064	Right Housing Halve	16±2	1.58±0.11
41	661947002	Right Housing Halve	16±2	1.58±0.11
53	660221008	Coin Cell Cover	4	0.40

LUBRICATION

Use Type 'J' Grease, Item 1200 (454g)

NOTE: 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.

- 1). Lightly coat front gearcase opening with grease.
- 2). Coat both sides of anvil washer with grease.
- 3). Lightly coat the anvil steel ball with grease. Apply a thin coat of grease to cylinder surface Anvil as shown.
- 4). Place grease in both ball grooves and bottom hole surface of Hammer.
- 5). Coat both sides of flat washer with grease.
- 6). Coat the shaft surface of the Camshaft with grease, being sure to place approximately 1 gram of grease in each ball groove. Lightly coat the two Steel Balls.



- 7). Coat the three Planet Pins with grease. Place a generous amount of grease to the exterior teeth of the three Planet Gears.
- 8). Place a generous amount of grease to the interior teeth of Ring Gear.
- 9). Place a generous amount of grease to the pinion teeth of Rotor Assembly. Coat bottom inside of rear gearcase with grease.



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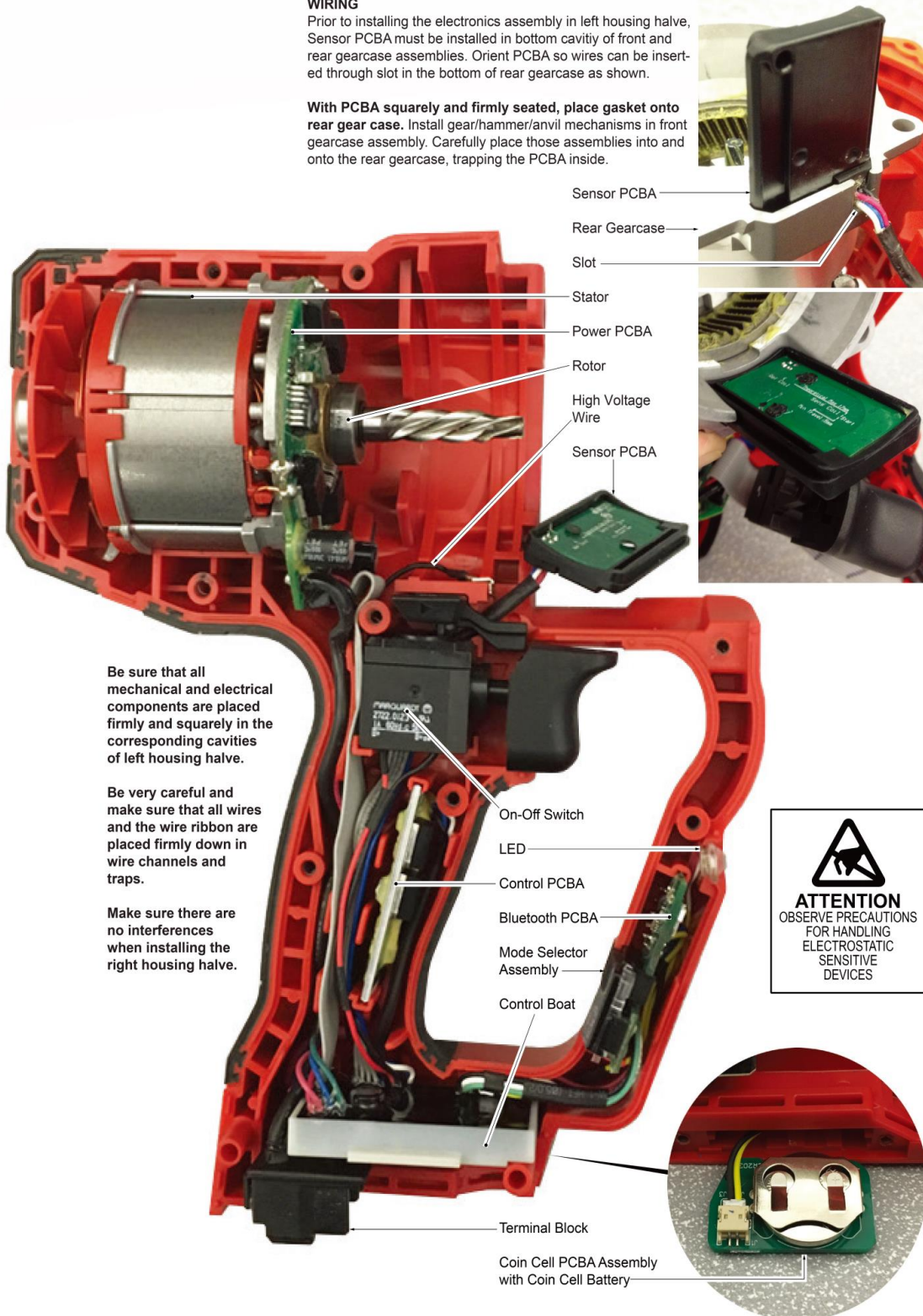
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WIRING

Prior to installing the electronics assembly in left housing half, Sensor PCBA must be installed in bottom cavity of front and rear gearcase assemblies. Orient PCBA so wires can be inserted through slot in the bottom of rear gearcase as shown.

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



Be sure that all mechanical and electrical components are placed firmly and squarely in the corresponding cavities of left housing half.

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 half.

