SERVICE PARTS LIST



SPECIFY CATALOG NO. AND SERIAL NO. WHEN ORDERING PARTS M18™ CORDLESS HACKZALL™ Reciprocating Saw

54-40-2614 WIRING INSTRUCTION

REVISED BULLETIN

DATE Nov. 2022

CATALOG NO.

2625-20

STARTING SERIAL NO

C41F

SEE PAGE 3

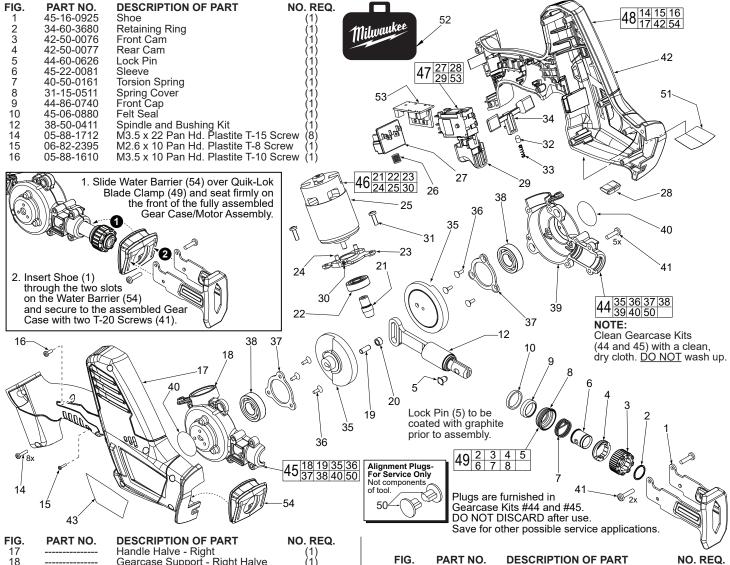


FIG . 17	PART NO.	Handle Halve - Right	NO. REQ. (1)
18		Gearcase Support - Right Halve	(1)
19		Drive Pin	(1)
20	44-86-0800	Drive Pin Sleeve	(1)
21		Spiral Bevel Pinion	(1)
22		Ball Bearing	(1)
23		Motor Mount Plate	(1)
24		Shoulder Pin	(2)
25		Motor	(1)
26	40-50-1090	Terminal Block Spring	(1)
27		Terminal Block	(1)
28		LED Assembly	(1)
29		Switch	(1)
30		Set Screws	(2)
★ 31	06-82-2380	8-32 x 1/2" Pan Hd. Taptite T-20 Scre	
32	43-72-0430	Detent Holder	(1)
33	40-50-1475	Detent Spring	(1)
34	45-24-0680	Locking Shuttle	(1)
35		Spiral Bevel Gear	(2)
★ 36		Bearing Plate Screws	(3)
★ 37		Bearing Plate	(1)
★ 38		Ball Bearing	(1)
39		Gearcase Cover- Left Halve	(1)
40	23-70-3350	Aluminum Tape	(1)
★ 41	06-82-5320	8-32 x 5/8" Pan Hd. Tapt. T-20 Screw	<i>i</i> (6)
42		Handle Halve - Left	(1)
43	12-20-2625	Service Nameplate	(1)
★ 44	14-30-1051	Gearcase Cover Kit - Left Halve	(1)
45		Gearcase Support Kit - Right Halve	(1)
46		Motor Assembly Kit	(1)
47	23-66-2977	Switch Kit	(1)

FIG.	PART NO.	DESCRIPTION OF PART	NO. REQ.
48	31-44-2499	Handle Kit	(1)
49	14-46-1011	Steel Quik-Lok® Blade Clamp Kit	(1)
★ 50	44-68-0021	Alignment Plug - Service Tool	` '
		(Not component of tool - one per in kits 44	& 45)
51	10-15-1090	Warning Label	´(1)
52	48-55-3500	Contractor Tool Bag	(1)
53		VASMO PCBA	(1)
★ 54	45-06-0017	Water Barrier	(1)
★ 55	05-88-1200	M4 x 16mm Pan Hd. ST T-20 Screv	v (1)
★ 56	06-82-1020	M4 x 14mm Pan Hd, ST T-20 Screv	

FIG. **LUBRICATION**

(Type 'L' Grease, No. 49-08-4175):

Saturate Felt (10) with lightweight oil prior to assembly with 9 10

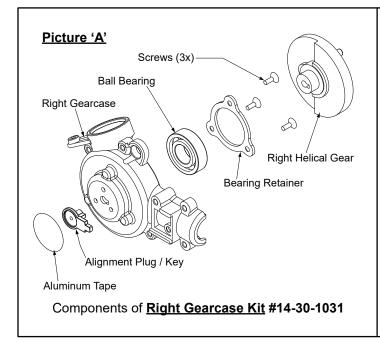
Cap (9) onto Bushing (11) and Spindle (12). Lightly coat the O.D. of Spindle Shaft (12) and I.D. of Bushing 11,12 (11) with grease.

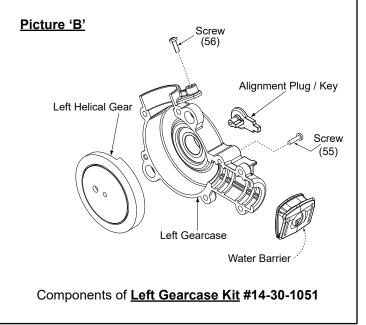
Place a dab of grease in the rear slot of Spindle Shaft (12) 12 Place .25 ounce grease in gear cavity of Gearcases (18,39). Coat the spindle shaft pocket in Gearcases (18,39). 18,39

19,20 Lightly coat the Drive Pin (19) and I.D. and O.D. of Bearing

Sleeve (20) with grease. Completely coat all of the teeth of the Spiral Bevel Pinion (21) 21.35 and Spiral Bevel Bevel Gears (35) with grease.

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Picture "A and B" show the components that make-up the Right and Left Gearcase kits for M18 Cordless Hackzall 2625-20. Each kit contains one [1] Alignment Plug / Key. The right gearcase kit has an aluminum adhesive backed disc (not sold separately) which will be needed when servicing / replacing the right gearcase assembly.

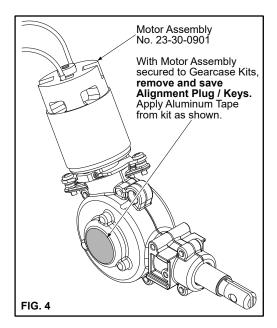
The Right and Left helical gear assemblies are supported independently in their respective gearcase assembly and turn independently. Each of the helical gears have a counter weight and when the two gearcase halves are assembled together **gearing must be synchronized to eliminate excessive vibration.**

Synchronization of the two gear case halves can be accomplished by using the Alignment Plug / Key supplied with each gearcase kit. <u>Anytime</u> motor assembly 23-30-0901 has to be removed from the gearcase halves, helical gears <u>will need to be resynchronized using the alignment plug / keys.</u>

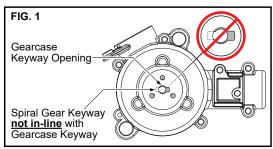
Synchronizing / Assembling Gearcase Kit Assemblies 14-30-1031 – 14-30-1051

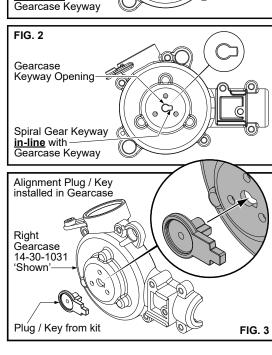
Once the **motor assembly** has been removed from the gearcase assembly the keyway cut into each **helical gear** will no longer be aligned with the **gearcase keyway** (fig. 1) due to the counter balance of the helical gear.

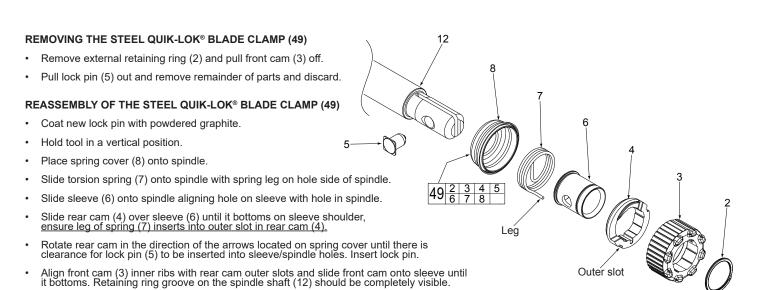
- 1. Rotate (by hand) **helical gear** in right gearcase (picture "A") until **helical gear keyway** is in-line with the **gearcase keyway** (fig. 2).
- 2. Install **plug / key** from kit into gearcase / helical gear keyway (fig. 3).
- 3. Install drive pin sleeve onto pin located on right helical gear (coat with type "L" grease).



- Install spindle / gearcase bushing assembly into right gearcase (coat components with type "L" grease and make sure spindle lock pin hole faces right gearcase).
 - Note: If new felt seal is being installed saturate seal with a lightweight oil.
- Place approximately 1/8oz. Type "L" grease onto teeth of right helical gear. (Set assembly aside).
- Rotate (by hand) helical gear in left gearcase (picture "B") until helical gear keyway is in-line with the gearcase keyway (fig. 2).
- 7. Install plug / key from kit into gearcase / helical gear keyway (fig. 3).
- 8. Place approximately 1/8oz. Type "L" grease onto teeth of left helical gear.
- Assemble lubricated left gearcase assembly onto lubricated right gearcase assembly and install five [5] gearcase screws.
- 10. Install motor assembly 23-30-0901 and secure to gearcase assembly.
- 11. Remove left and right alignment plug (s) and apply aluminum tape disc from kit to the right of gearcase (fig.4). **SAVE PLUGS** incase motor needs servicing or replacing.







Attach retaining ring (2) by separating coils and inserting end of ring into groove, then wind remainder of ring into groove. Ensure ring is seated in groove.

