BIGBEAR POWER

WE BUILD TOOLS, NOT TOYS.

ASSEMBLY & OWNERSHIP MANUAL

TRENCHER

MODEL: BBT 618

GX COMMERCIAL LLC
GX
LAS VEGAS NV
OUTDOOR POWER

A COMPLETE OWNERSHIP SYSTEM™ FOR A NATION OF HARD WORKERS.

Corporate Offices 4301 S Valley View Blvd STE 10 11 12 Las Vegas, NV 89103

DO NOT RETURN TO THE STORE

5YR COVERAGE Warranty Policy included

Equipment with fuel is treated as hazardous material for D.O.T. transport and non-returnable per federal hazardous materials law (49 CFR § 173.220), including retailers' policies for gas outdoor power equipment.

Phone: 725-274-6171 EXT 1

Email: CUSTOMERSERVICE@BIGBEARPOWER.COM Website: www.BIGBEARPOWER.com CONTACT US

Thank you for choosing Big Bear Power.

If you have any problem with your equipment, do not return it to the retail store. Returning the machine to the store often triggers a lengthy, costly, and frustrating process that rarely resolves the problem—and can leave you without your equipment for weeks. Instead, we ask that you **contact a BigBear Power Specialist directly so we can help you**.

In the unlikely event that your machine needs attention or is missing a part, our team will:

- Diagnose the issue over the phone or via email – WE ANSWER OUR PHONES – M-F 8-4 PST

- Ship any necessary parts immediately from Las Vegas NV

- Guide you step-by-step. Our good ole USA Service is rated 5 stars by our most powerful customers

- Ensure your equipment performs as intended, getting you up and running.

We stand behind our products, and when an issue does occur, we move fast to make it right. Our goal is to minimize downtime for you—not create more. When you need help, we have your back.

Thank you for your trust in BigBear Power.

Gregory Neuer

Gregory Neuer - Owner - CEO

GX Commercial LLC – Bigbear Power

STEP 1

PART INSPECTION

1. REMOVE THE TOP AND SIDES AND PARTS FROM THE CRATE
2. UNPACK ALL PARTS AND CHECK THAT YOU HAVE EVERYTHING.
3. MISSING PARTS? CALL 725-274-6171 GX COMMERCIAL PARTS DEPT
4. ASSEMBLE THE MACHINE ON THE PALLET

Turn the knob CW to unlock the wheel brake to move the machine.

Turn the knob CCW to engage the reverse ratchet brake when trenching

ENGINE & CHASSIS

Chain and main link

Trolley Wheel

Helmet
Manual Cover
Tool bag,
Funnel
Gloves

Chain Bar, Auger Guard, Tools, Crank Handle, Chain safety bar

STEP 2 ASSEMBLE THE HANDLE

1. LOOSEN THE MAIN PIVOT BOLT
2. LINE UP THE HANDLE AS SHOWN
3. ADJUST TO THE ANGLE YOU LIKE AND TIGHTEN DOWN THE PIVOT BOLT

1

2

3

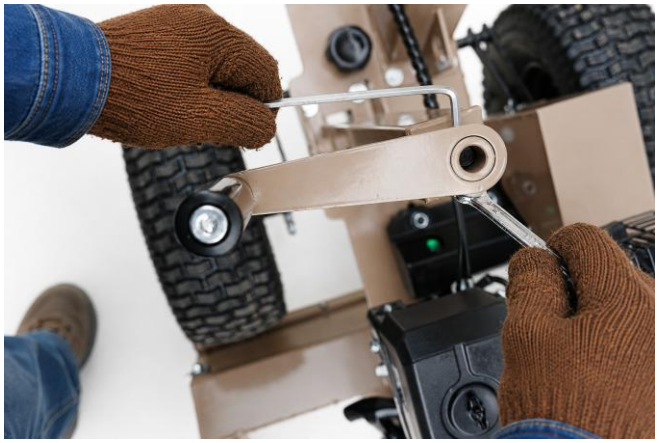
MISSING PARTS? CALL 725-274-6171 GX COMMERCIAL PARTS DEPT

STEP 3 INSTALL THE CRANK HANDLE

1. REMOVE THE MOUNTING HARDWARE. PLACE HANDLE AS SHOWN
2. TIGHTEN ALL HARDWARE
3. TURN THE HANDLE CLOCKWISE TO RAISE THE MACHINE FOR THE NEXT STEP: TIRE INSTALLATION

1

2



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MISSING PARTS? CALL 725-274-6171 GX COMMERCIAL PARTS DEPT

STEP 4 INSTALL TROLLEY WHEEL

1. INSTALL THE TROLLEY WHEEL AS SHOWN. DO NOT INSTALL UPSIDE DOWN. NOTE THE ANGLE ON THE SUPPORT BRACKET ORIENTATION.
2. INSTALL ALL THE HARDWARE
3. TIGHTEN ALL HARDWARE

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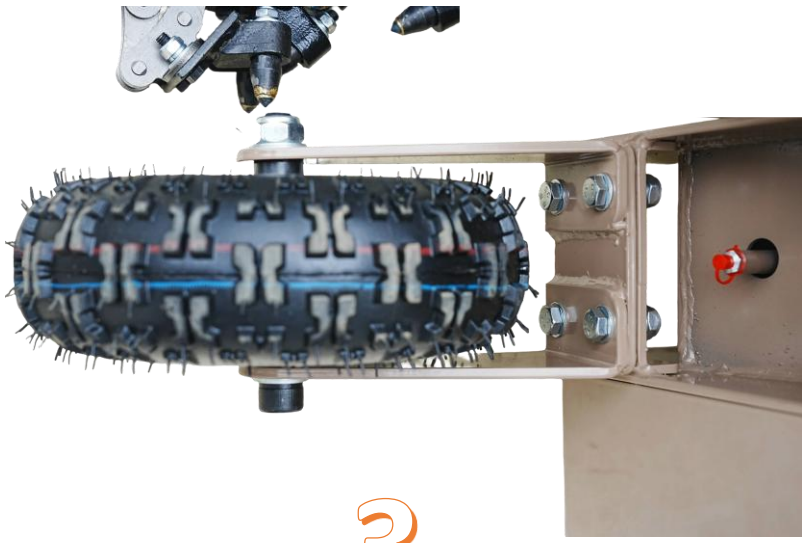

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MISSING PARTS? CALL 725-274-6171 GX COMMERCIAL PARTS DEPT

STEP 5 INSTALL CHAIN BAR

1. CRANK HANDLE COUNTERCLOCKWISE TO RAISE THE BAR SUPPORT LEVEL
2. SLIDE THE CHAIN BAR ONTO THE GUIDE RAIL
3. POSITION THE BAR FULLY INSERTED
4. DURING THE NEXT STEP YOU MAY NEED TO ADJUST THE BAR SIDE SPRINGS TO ALLOW THE CHAIN TO BE COUPLED. THESE SPRINGS ARE TO TENSION THE CHAIN BY MOVING THE BAR AWAY FROM THE MACHINE.

1

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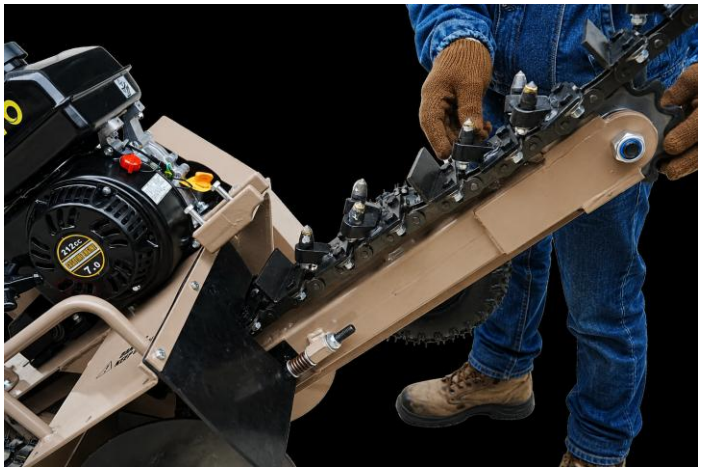
4

MISSING PARTS? CALL 725-274-6171 GX COMMERCIAL PARTS DEPT

STEP 6 INSTALL THE CHAIN

1. INSTALL CHAIN TO THE BAR
2. POSITION TEETH FACING AS SHOWN
3. INSERT THE MASTER LINK
4. INSTALL LINK PLATE, COTTER PINS AND HARDWARE AS SHOWN.

1



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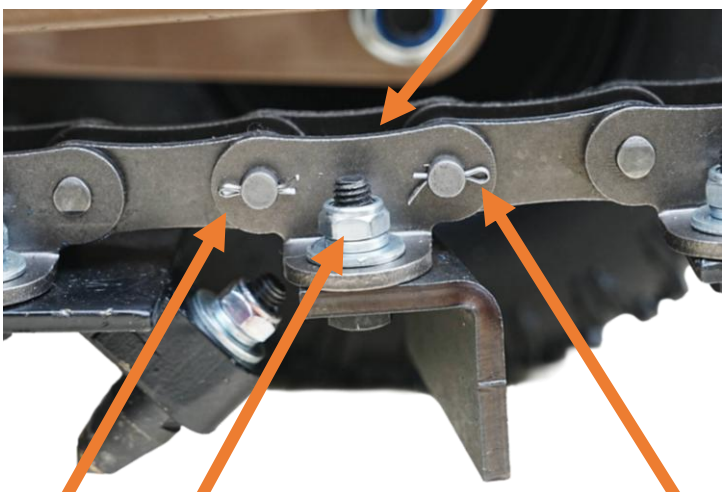

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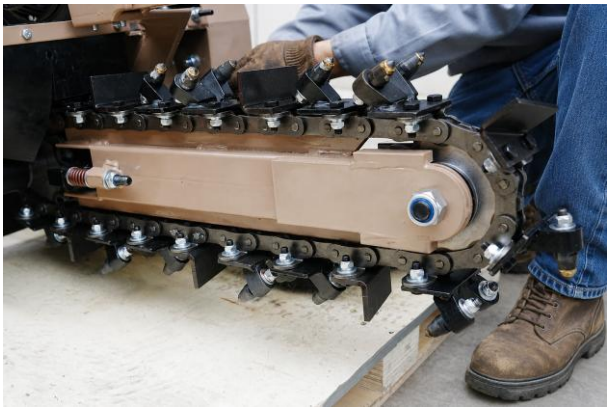
MISSING PARTS? CALL 725-274-6171 GX COMMERCIAL PARTS DEPT

STEP 7 ADJUST THE BAR AND CHAIN TENSION

1. ADJUST THE CURBSIDE BAR SPRING
2. ADJUST THE ROADSIDE BAR SPRING
3. ADJUST SPRINGS TOGETHER TO KEEP BAR STRAIGHT
4. LEAVE SLACK IN THE CHAIN SO THE CHAIN RUNS EASILY ON THE BAR

1

2



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MISSING PARTS? CALL 725-274-6171 GX COMMERCIAL PARTS DEPT

STEP 8 INSTALL BAR SHIELD

1. PREPARE TO MOUNT WITH HARDWARE PROVIDED
2. INSTALL SHIELD AS SHOWN AND TIGHTEN ALL HARDWARE

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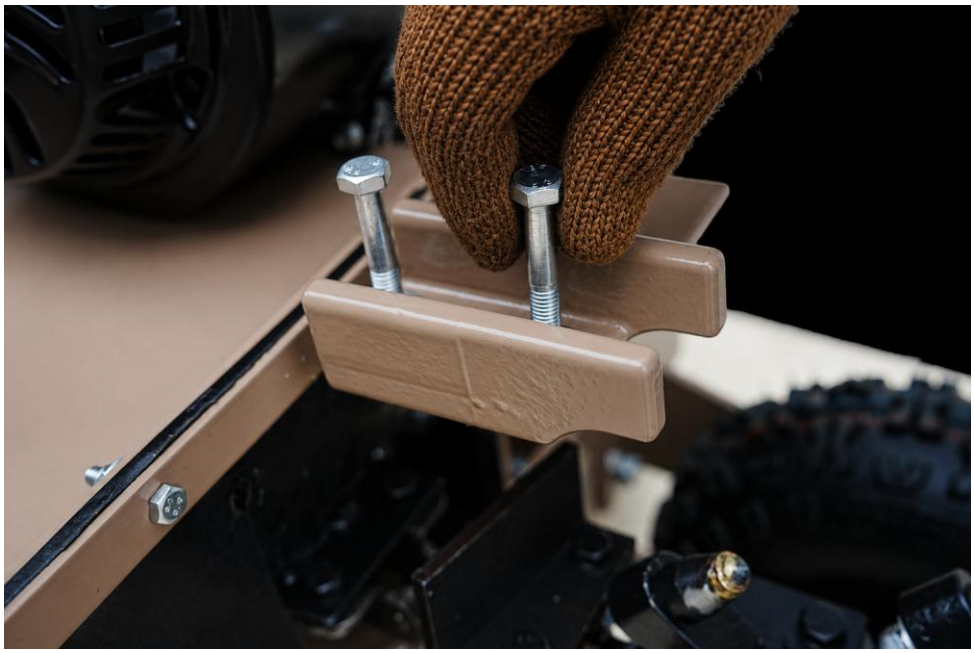

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MISSING PARTS? CALL 725-274-6171 GX COMMERCIAL PARTS DEPT

STEP 9 INSTALL AUGER GUARD

1. PREPARE TO MOUNT WITH HARDWARE PROVIDED
2. INSTALL GUARD AS SHOWN AND TIGHTEN ALL HARDWARE

1

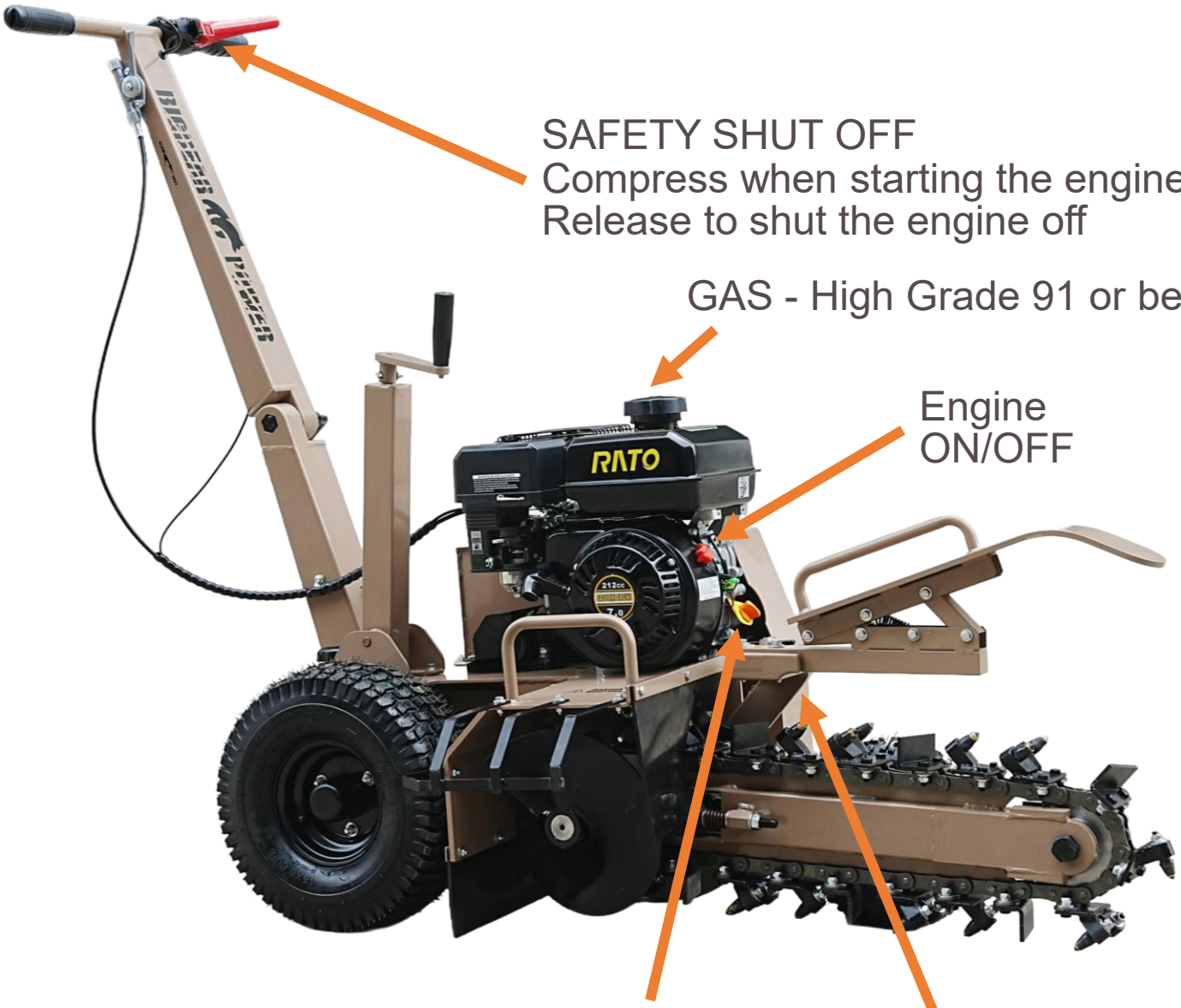
2

MISSING PARTS? CALL 725-274-6171 GX COMMERCIAL PARTS DEPT

STEP 10

ADDING GAS AND OIL

Your Trencher has low oil protection. Will not start if the oil is too low, and will protect the engine. ADD OIL DURING ASSEMBLY



Use conventional 10W30 for the break-in period during the first 20 hours.

Change oil after first 20 hours to 10W30 Mobil One or equivalent full synthetic oil and change after 150 hours. 7hp - 212cc requires 0.6L

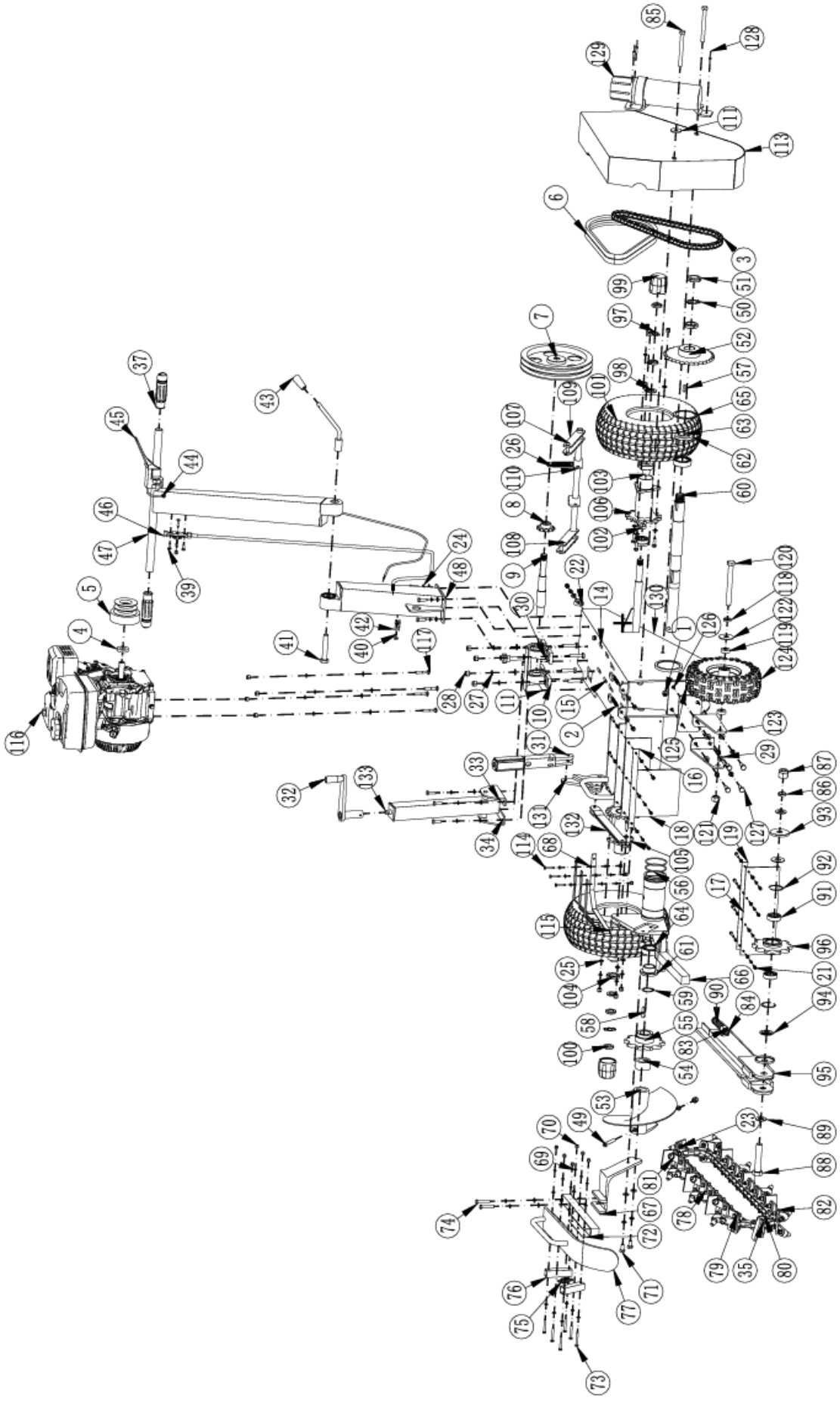
NLGI 3 grease is recommended for all grease zerks and shaft bearings

MISSING PARTS? CALL 725-274-6171 GX COMMERCIAL PARTS DEPT

STEP 11 READING THE OPERATION AND SAFETY

1. Wear protective clothing, face, ear, eye and glove protection at all times
2. Check the safety shutoff on every use to ensure your safety
3. Always stay clear of the cutter even when the machine is off; the teeth can be hazardous if you're not paying attention. (Aka ankle biter)
4. Other persons in the area should be clear of the machine when running
5. DO NOT TRENCH UNDER THE INFLUENCE OF ALCOHOL OR DRUGS
6. Machine is designed for Trenching earth only.
7. Make sure there are no underground utilities where you are trenching.
8. Be aware that you might find tree roots and rocks when trenching. Remove them before continuing to trench.
9. Always stand behind the machine when the engine is running.
10. If you need to shut down the trencher during operation, simply release the safety shut-off, and the engine will shut off.
11. Remember, the muffler is hot, don't lay your gloves on the muffler.
12. If the machine is shaking, you might have a broken tooth. Shut it down immediately and inspect it.
13. Before you store your trencher, drain the gas, run it dry, and then place cardboard under the teeth to protect them from concrete chipping.
14. Check all hardware regularly as vibration may loosen hardware
15. **NEVER START WITH TRENCHER TEETH ON HARD SURFACES. START ENGINE WITH TEETH ON YARD AND FOREST GROUND ONLY.**

BBT618 PARTS DRAWING



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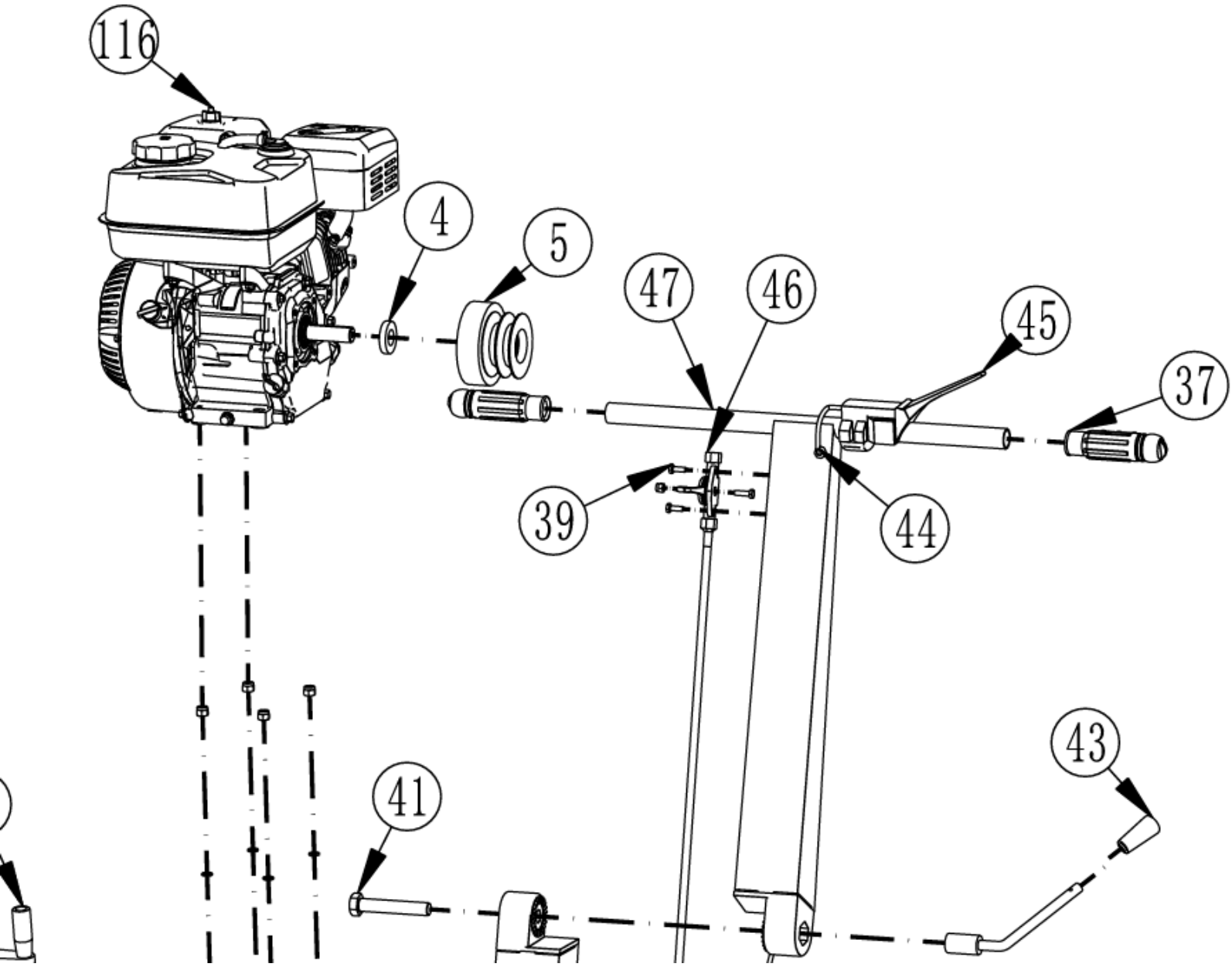

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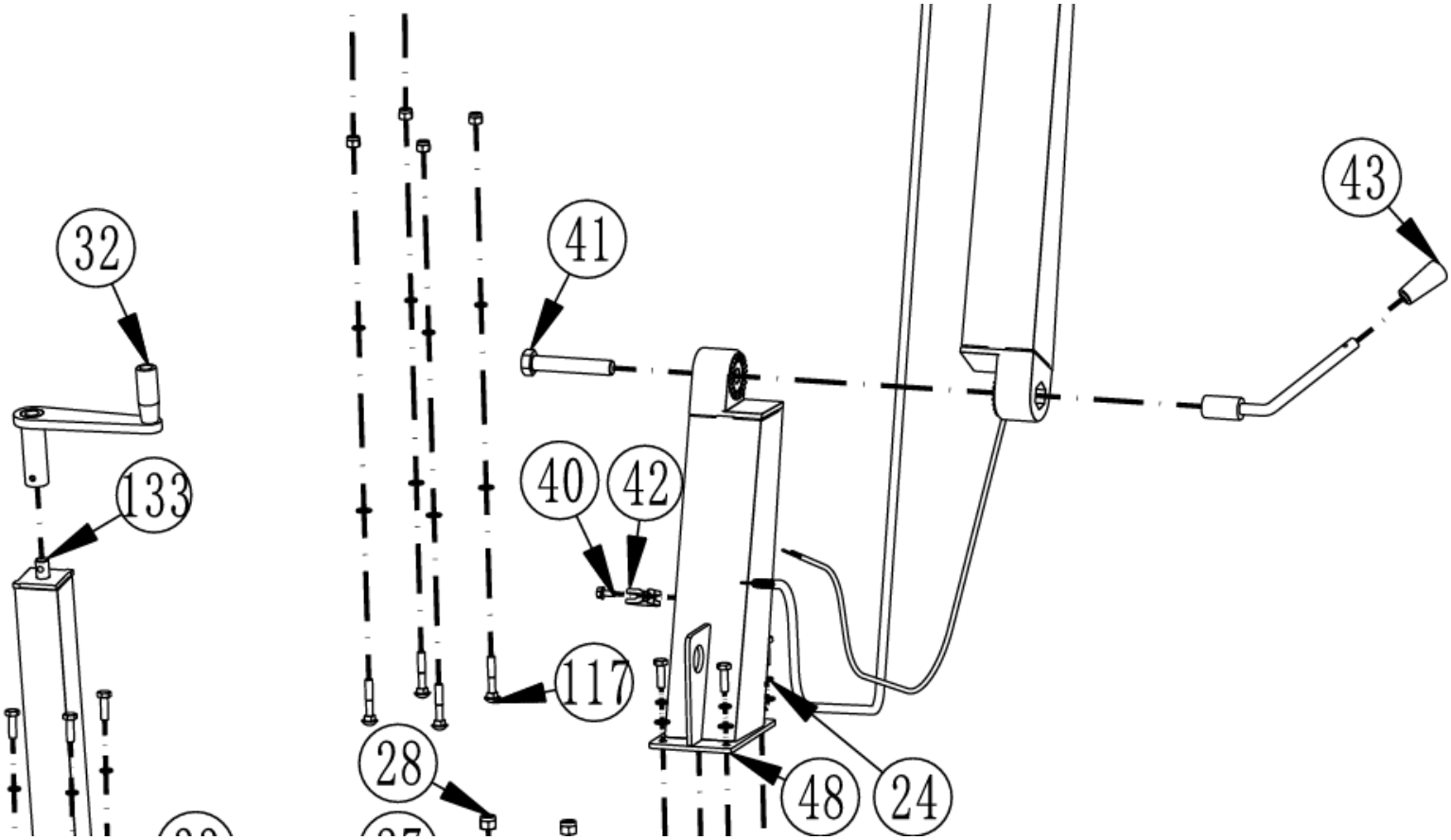

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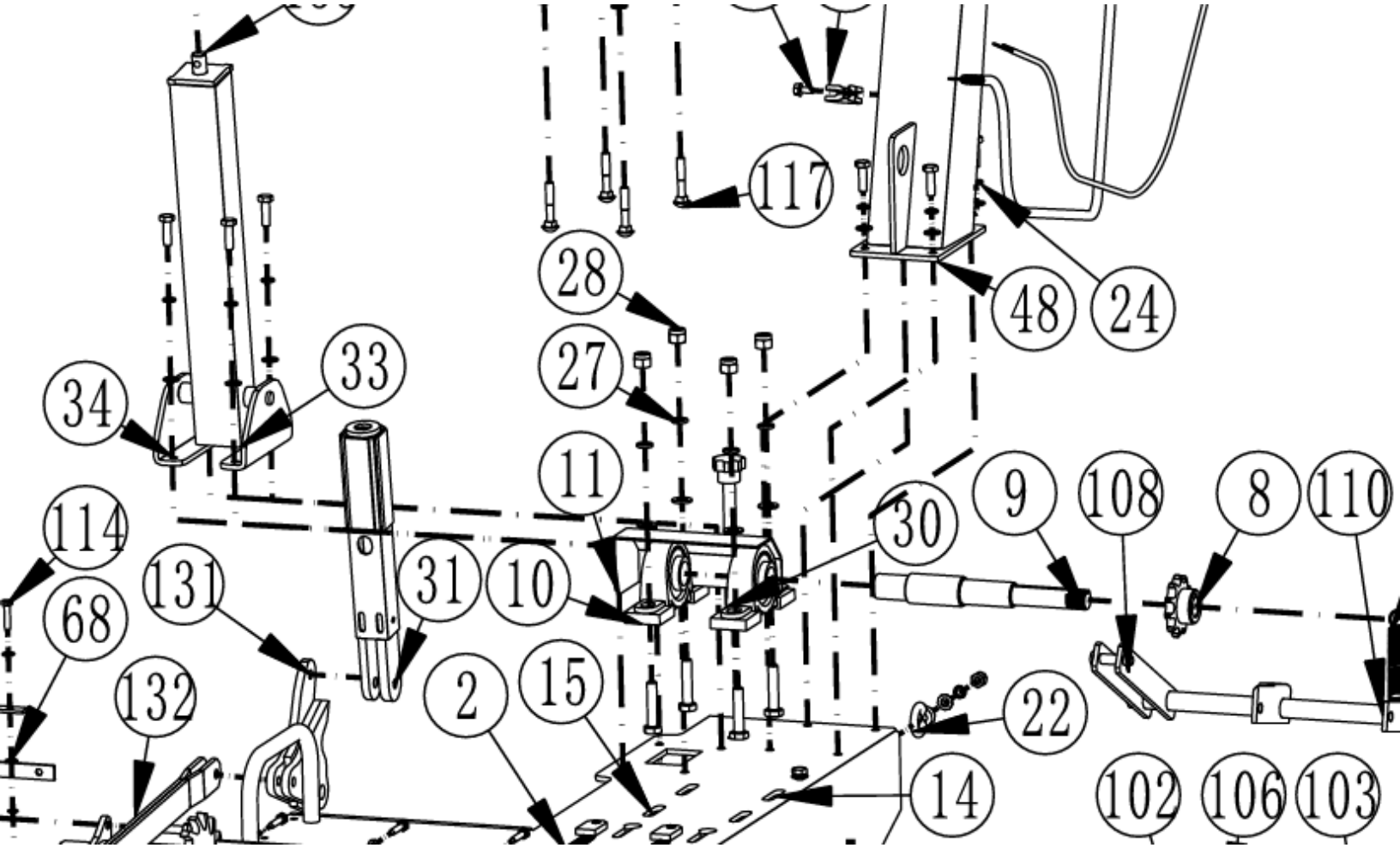

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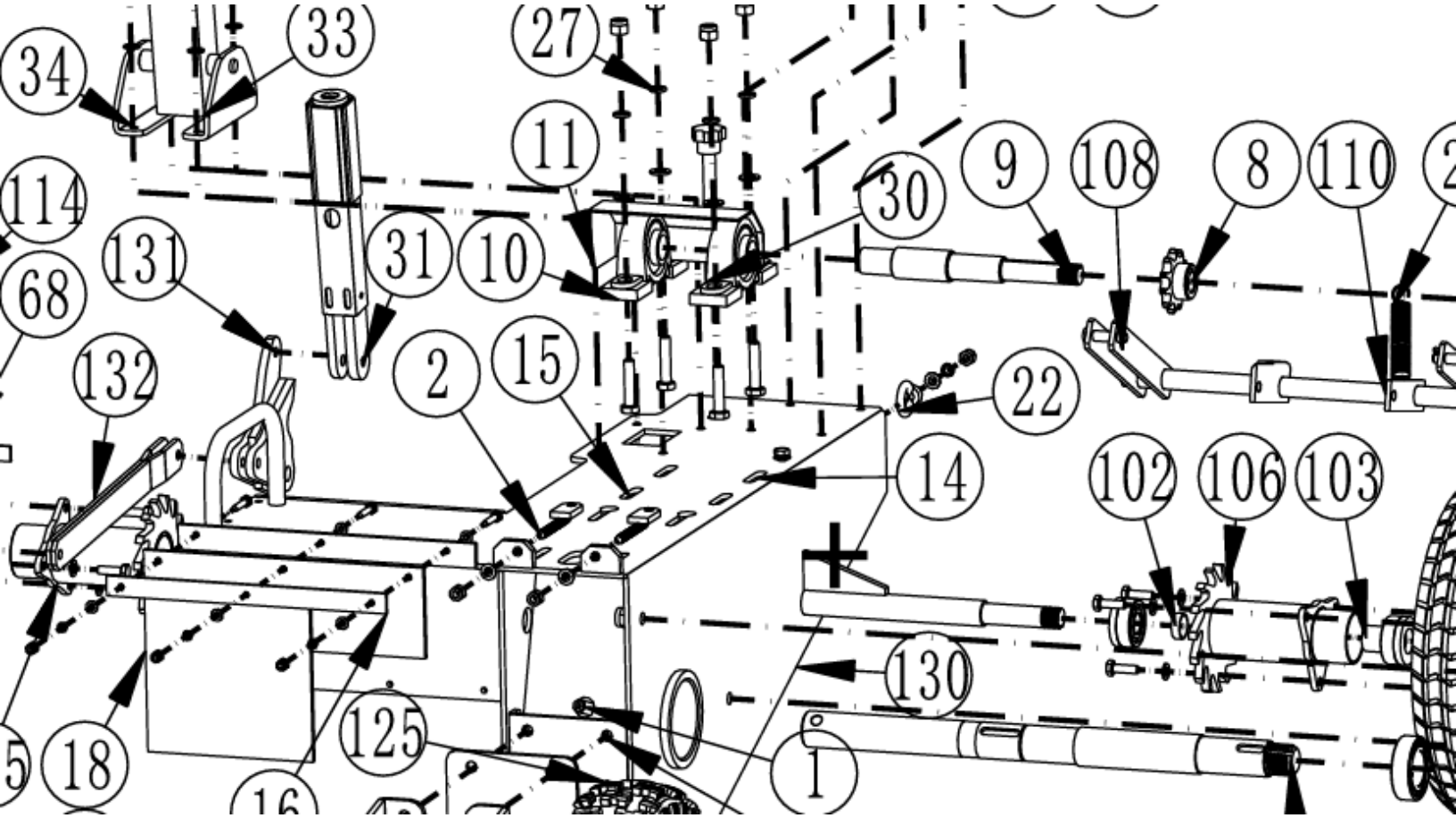

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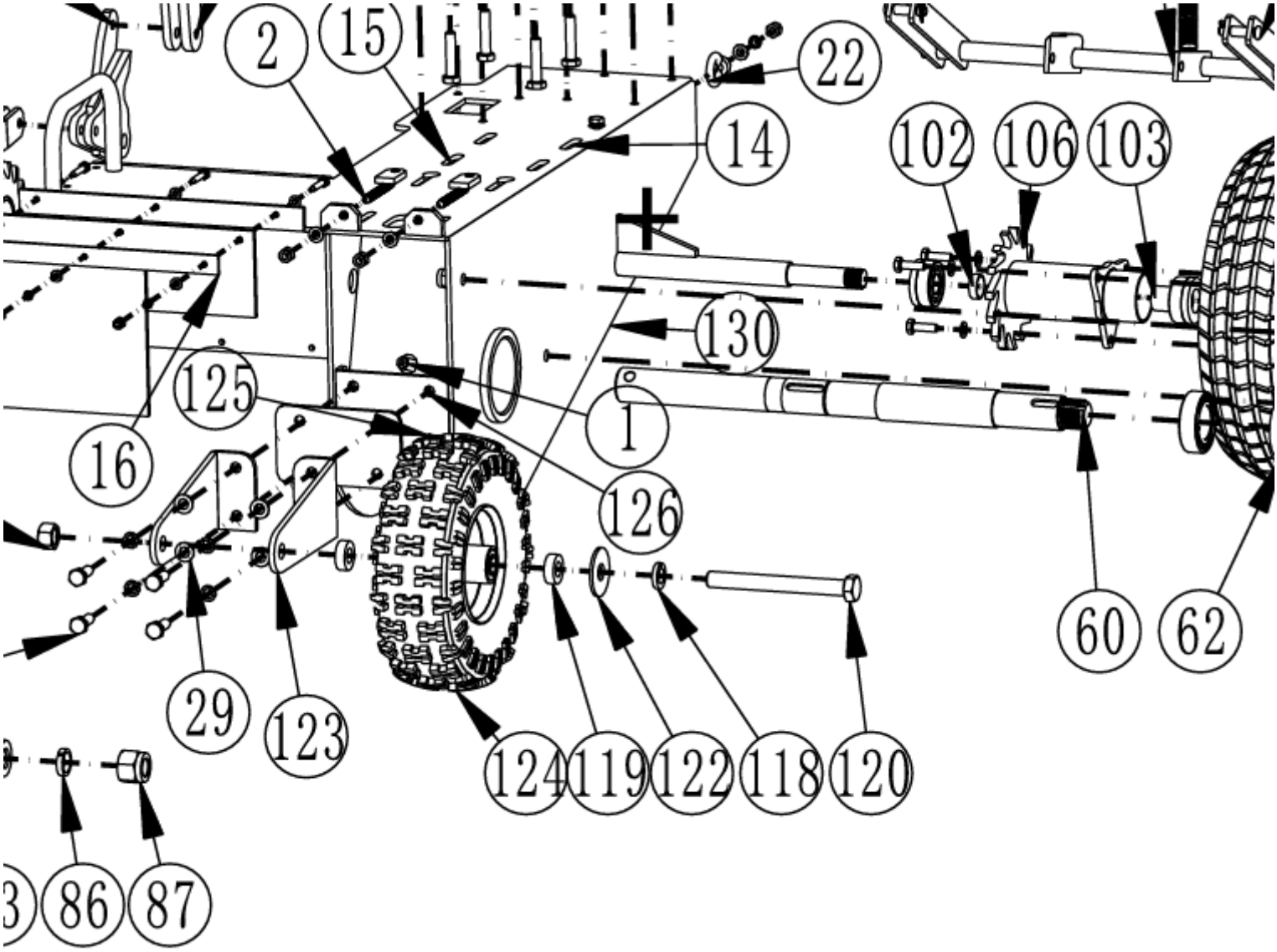

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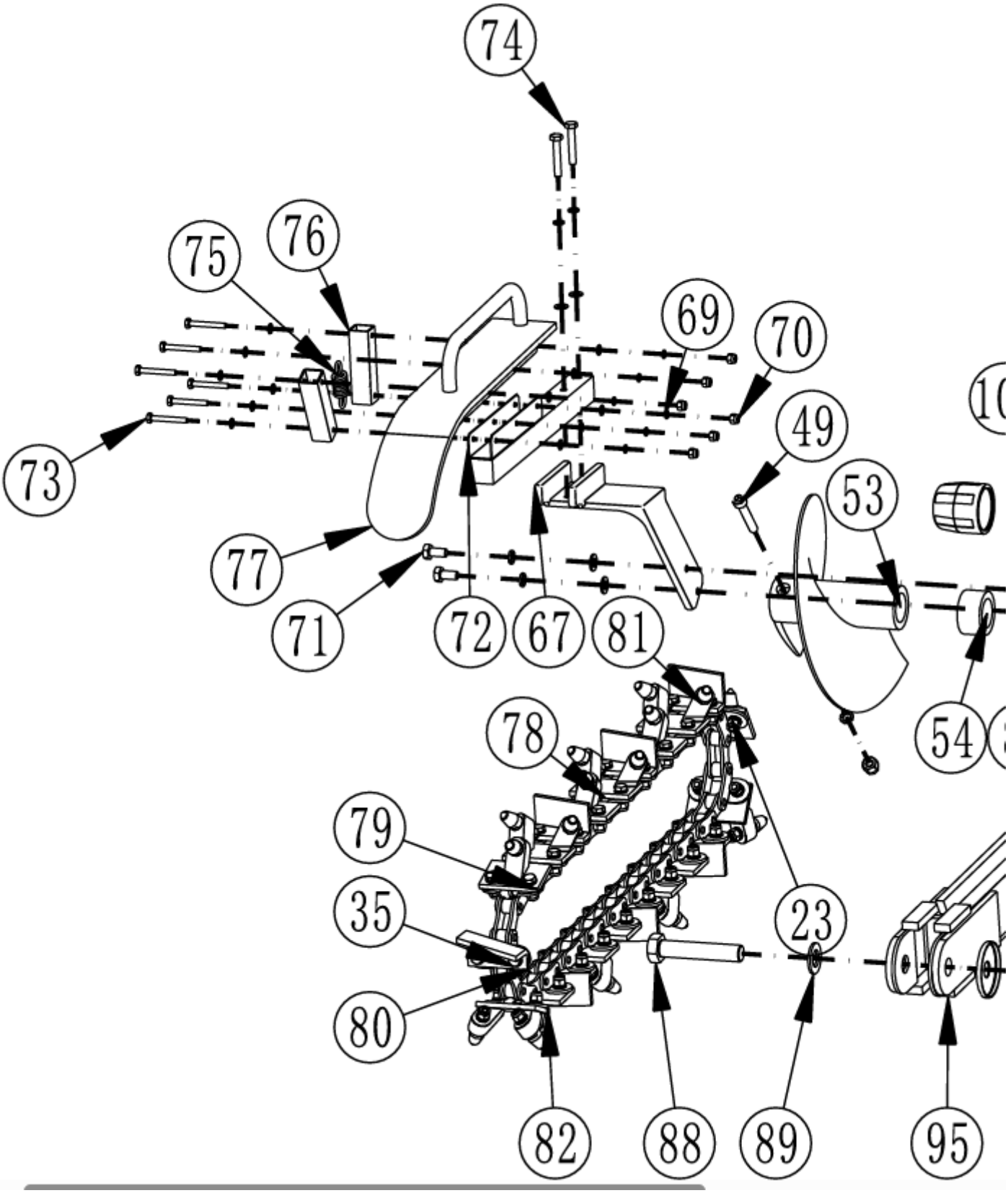

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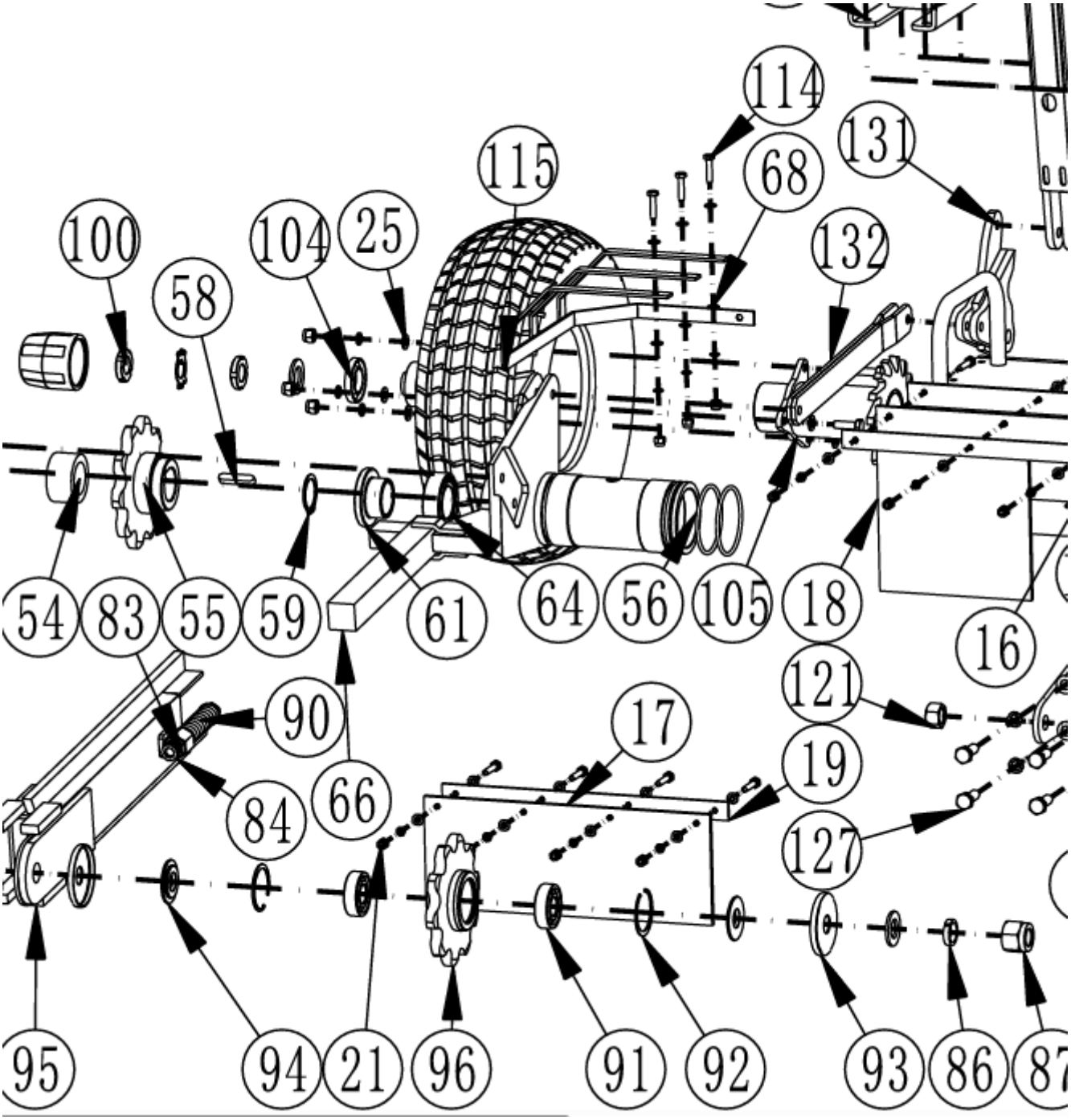

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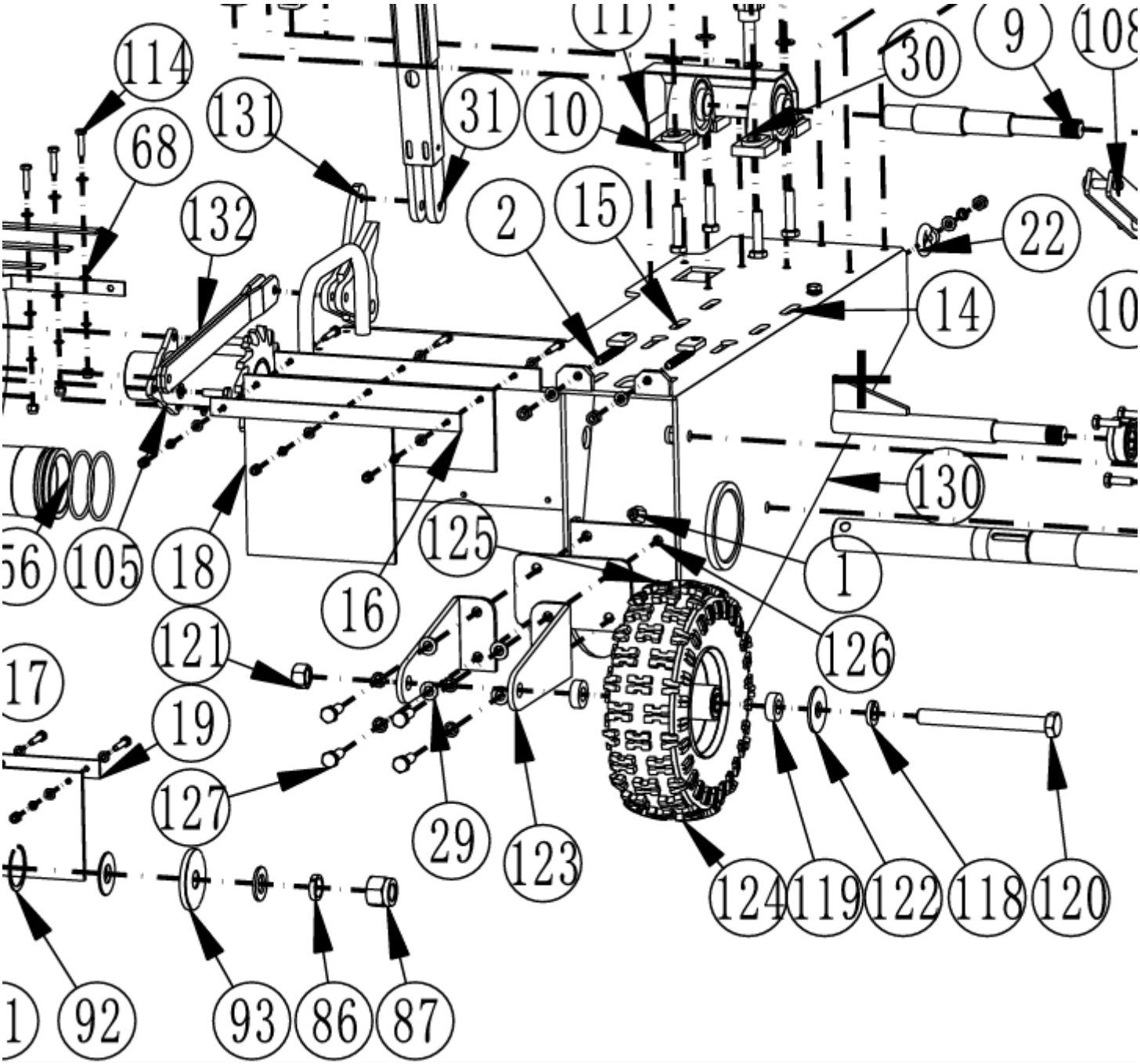

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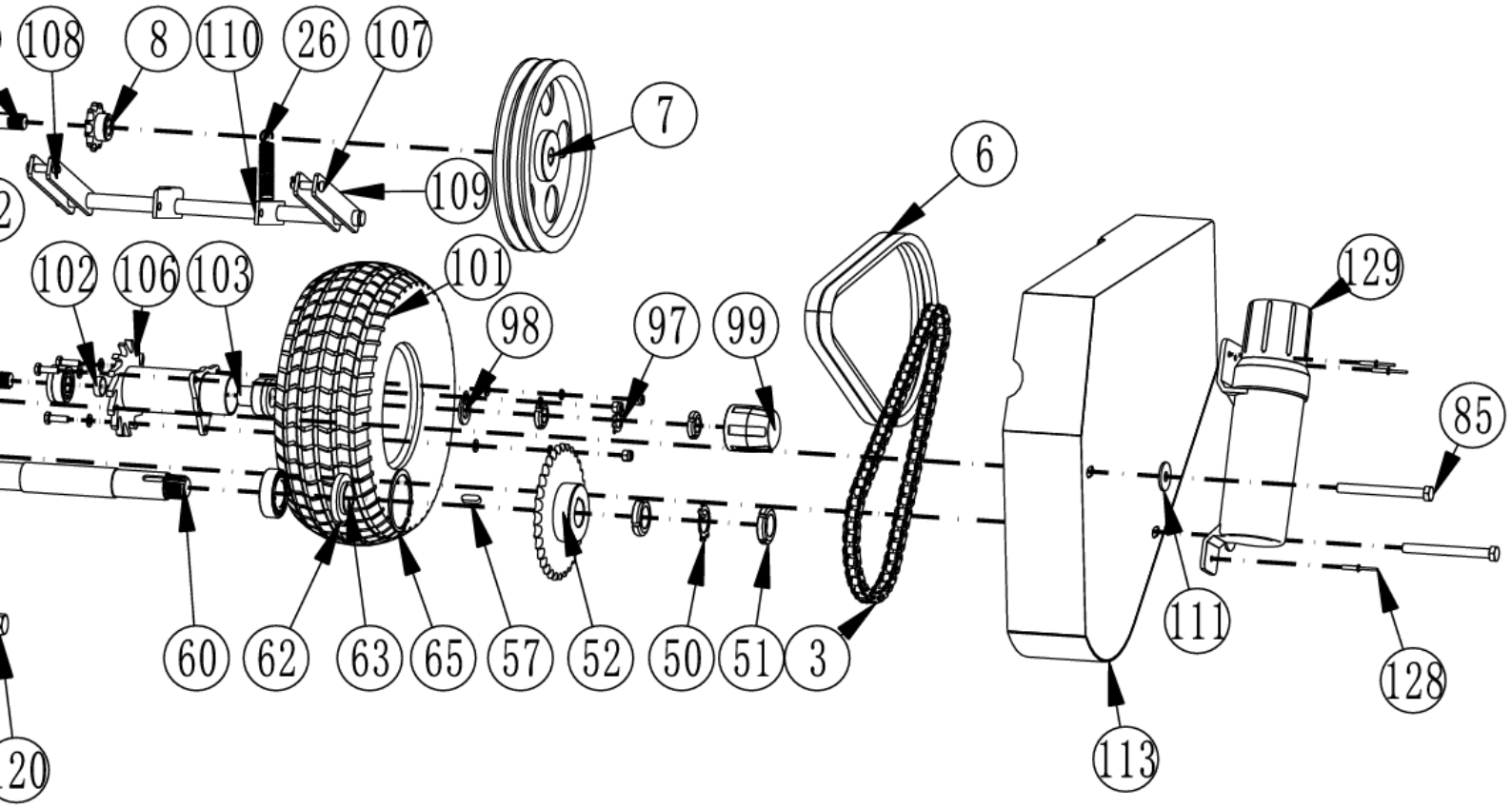

BBT618 PARTS DRAWING

PC NO	Part Name (EN)	QTY
1	Grease Nipple	1
2	Gasoline Engine Tensioning Pull Tab Weldment	2
3	Transmission Chain	1
4	Clutch Spacer	1
5	Clutch 80 19 Type B	1
6	B 965 V-Belt	2
7	Pulley	1
8	Drive Sprocket	1
9	Pulley Shaft	1
10	P205 Pillow Block Bearing	2
11	Bearing Housing Cover Weldment	1
12	GB-T6182-2000, M12X1.75	2
13	GB-T97_1-2002, M12	2
14	Pillow Block Bearing Tensioning Left Block	1
15	Pillow Block Bearing Tensioning Right Block Weldment	1
16	3-Hole Rubber Bead	1
17	Ridger Lower Mud Flap	1
18	Ridger Upper Mud Flap	1
19	4-Hole Rubber Bead	1
20	Rotating Block Spacer	1
21	Frame Weldment	1
22	GB825_A-88, M8 Lifting Ring	1
23	GB-T6182-2000, M8X1.25 Lock Nut	76
24	GB93-87, 8 Spring Washer	85
25	GB-T95-2002, M8 Flat Washer	135
26	2 18 105 Backstop Frame Tension Spring	1
27	GB93-87, 10 Spring Washer	11
28	GB-T6182-2000, M10X1.5 Lock Nut	5
29	GB-T95-2002, M10 Flat Washer	12
30	M12 130 Bakelite Bolt	1
31	Lifting Rod Weldment	1
32	Rocker Arm Assembly	1
33	Height Adjusting Frame Weldment	1

BBT618 PARTS LIST

34	Bearing Bushing Support Plate	2
35	GB-T5783-2000, M8X25 Hexagon Bolt	57
36	M6 Rivet Nut	2
37	Handle Grip	2
38	Cable Grommet	1
39	GB-T5783-2000, M6X16 Hexagon Bolt	2
40	GB5789-86, M6X12 Hexagon Flange Bolt	1
41	GB-T5780-2000, M16X90 Hexagon Bolt	1
42	Steel Cable Tie	1
43	Angle Adjusting Handle Assembly	1
44	11 Cable Grommet	1
45	Flameout Switch	1
46	Throttle Switch	1
47	Upper Handrail Weldment	1
48	Lower Handrail Weldment	1
49	GB-T70.1-2000, M10X60 Hexagon Socket Head Cap Screw	1
50	M30 Round Nut Lock Washer	1
51	GB812-88, M30X1.5 Round Nut	2
52	Driven Sprocket	1
53	Ridger Weldment	1
54	Ridger Spacer	1
55	Drive Ditching Sprocket	1
56	O-Ring Seal 70	2
57	8 7 25 Flat Key	1
58	8 7 40 Flat Key	1
59	35 External Circlip	1
60	Large Sprocket Shaft	1
61	Tapered Bearing Flange Spacer	1
62	42 Sealing Ring	2
63	Large Sprocket Spacer	1
64	32007 Tapered Roller Bearing	2
65	76 External Circlip	1
66	Sprocket Shaft Plate Weldment	1
67	Ditching Chain Cover Support Frame	1

BBT618 PARTS LIST

PC NO	Part Name (EN)	QTY
67	Ditching Chain Cover Support Frame	1
68	GB-T95-2002, M6 Flat Washer	20
69	GB93-87, 6 Spring Washer	10
70	GB-T6182-2000, M6X1 Lock Nut	10
71	GB-T5783-2000, M10X20 Hexagon Bolt	2
72	Chain Cover Support Base Weldment	1
73	GB-T5783-2000, M6X45 Hexagon Bolt	6
74	GB-T5783-2000, M8X45 Hexagon Bolt	2
75	3 9 Coils 18 Chain Cover Tension Spring	1
76	Ditching Chain Cover Connecting Square Tube	2
77	Ditching Chain Cover Weldment	1
78	Double Blade Holder Weldment	7
79	Single Blade Holder Weldment	7
80	Steel Plate Blade Tip	7
81	Blade Tip Weldment	21
82	Ditching Chain	1
83	GB-T95-2002, M12 Flat Washer	7
84	GB-T6182-2000, M12X1.75 Lock Nut	4
85	GB-T5783-2000, M12X120 Hexagon Bolt	4
86	GB7244-87, 20 Spring Washer	1
87	GB-T6182-2000, M20X2.5 Lock Nut	1
88	GB-T5781-2000, M20X100 Hexagon Bolt	1
89	GB-T97_1-2002, M20 Flat Washer	2
90	14 22 76 Chain Frame Compression Spring	2
91	GB-T292_AC-1994, 6204_AC Deep Groove Ball Bearing	6
92	47 Internal Circlip	2
93	Driven Ditching Sprocket Outer Cover	2
94	Driven Ditching Sprocket Spacer	2
95	Chain Frame Weldment	1
96	Driven Ditching Sprocket	1
97	M20 Round Nut Lock Washer	2
98	GB-T95-2002, M20 Flat Washer	2
99	Wheel Hub Rubber Cover	2
100	GB812-88, M20X1.5 Round Nut	4

BBT618 PARTS LIST

101	15 6 6 Tire	2
102	Tire Bearing Outer Spacer	2
103	Tire Bearing Inner Spacer	2
104	47 Sealing Ring	4
105	Right Ratchet Weldment	1
106	Left Ratchet Weldment	1
107	GB882_B-86, 10X40	2
108	GB-T91-2000, 2.9X16	2
109	Backstop Frame Weldment	1
110	GB-T91-2000, 3.7X28 Split Cotter Pin	1
111	GB-T96_1-2002, M12 Large Flat Washer	2
112	GB93-87 12 Spring Washer	2
113	Outer Cover Weldment	1
114	GB-T5783-2000, M6X25 Hexagon Bolt	4
115	Ridger Protective Cover Weldment	1
116	Dajiang DH212 Gasoline Engine	1
117	GB12-88, M8X45 Cup Head Square Neck Bolt	4
118	GB/T7244-1987 Heavy Duty Spring Washer_Assembly_16×4.8_STEP	1
119	16 30 10 Spacer	2
120	GB/T5781-2000 Hexagon Head Bolt Full Thread Grade C M16×150_STEP	1
121	GB/T6185-2000 Type 2 All-Metal Hexagon Lock Nut M16_STEP	1
122	GB/T96.2-2002 Large Washer Grade C 16×3_STEP	1
123	Front Wheel Fixing Frame Weldment	1
124	4.1-4 Tire	1
125	Front Wheel Fixing Base 1	1
126	GB39-1988, M10 Weld Nut	4
127	Hexagon Head Bolt Full Thread Grade C M10×30_STEP	4
128	Diameter 5 Aluminum Rivet	3
129	Tool Cup	1
130	Main Frame Large Plate	1
131	Swing Arm Weldment	1
132	Gear Shift Extension Rod Short Piece Weldment	1
133	Trapezoidal Screw	1

BIG BEAR POWER

WE BUILD TOOLS, NOT TOYS,
FOR HARDWORKING AMERICANS.

We stand behind every machine we build with warranties that have your back. Our customer service is rated #1 in the country because we answer the phone, we listen, and we take care of our customers.

When you call, you're not just a number—you're part of the Big Bear family. If you ever have an issue, big or small, call us anytime. We're here to help and we'll make it right.

WE BUILD IT. WE STAND BEHIND IT. WE'VE GOT YOUR BACK.

EXTENDED 5-YR LIMITED GAS-POWERED WARRANTY

ENGINES:	**RATO ENGINES** – GX Commercial LLC will provide OEM parts or replace the engine at our discretion for 5 years from the purchase date, at no cost to the original owner, with proof of purchase receipt. The warranty is not transferable. **OTHER ENGINE BRANDS** – are covered under their original OEM warranty. The warranty is not transferable.
CHASSIS:	GX Commercial LLC will provide replacement parts to the original purchaser for 5 years for defective chassis components.

WARRANTY EXCLUSIONS:	Tires, Cutting Blades, Cutting Teeth, Labor, Anvils, Belts, Hardware, 12V Batteries, wiring, damage, misuse, accessories, shipping damage, including minor scratches and dents.
FOREST READY KITS:	Promotional accessories, when provided, including Oil funnels, hand tools, files, ear protection, safety glasses, gloves, helmets, and Lithium chainsaws, are excluded from warranty.

CHAINSAWS:	2 yr warranty when purchased separately. GX Commercial LLC will provide, at our discretion, parts or replacements, at no cost for the original owner, with proof of purchase. The warranty is not transferable.

REAL PEOPLE. REAL SERVICE. REAL SUPPORT.
CALL US ANYTIME. WE'RE READY TO HELP.

CUSTOMER SERVICE
725-274-6171
EXTENSION 1 • PST 9-4

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