

GrindLazer™

Patent Pending

3A0103E

EN

- *Designed to grind flat, horizontal concrete or asphalt surfaces -*
- *For removal of materials from concrete and asphalt surfaces -*
- *Professional outdoor use only -*

Model 571002 - Forward cut line removal / bump smoothing

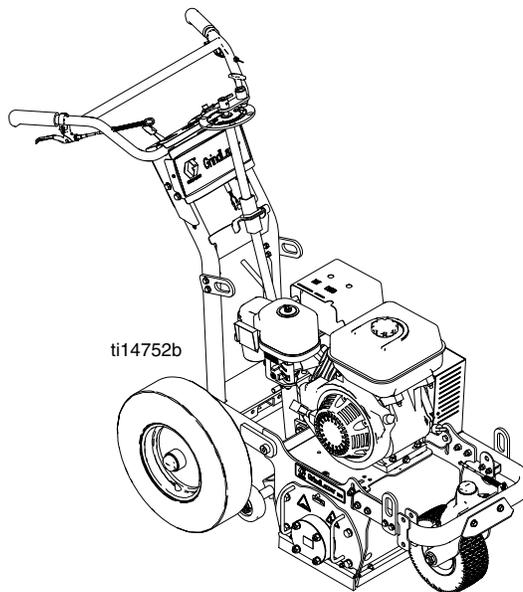
GrindLazer 270 (270 cc / 9 hp)

Model 571003 - Forward cut line removal / bump smoothing

GrindLazer 390 (390 cc / 13 hp)

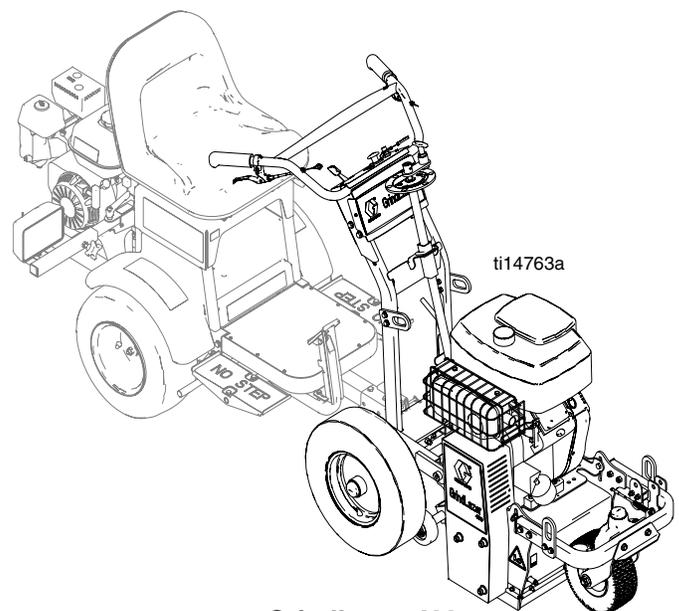
Model 571004 - Reverse (up cut) / inlay and grooving (Must be used with LineDriver™)

GrindLazer 480 (480 cc / 16 hp)



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GrindLazer 270 and 390



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GrindLazer 480

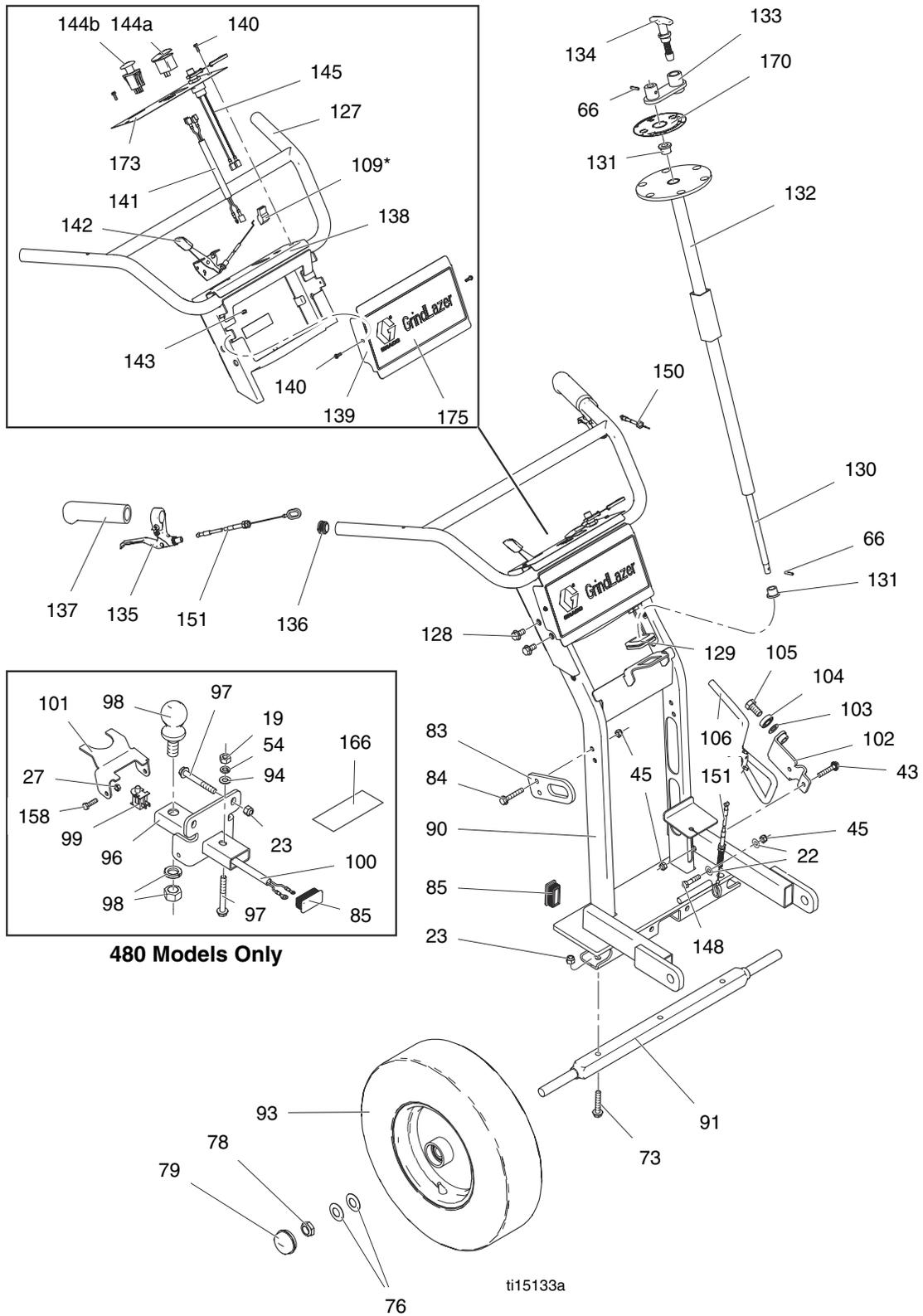
Related Manuals:

Operation - 3A0101

Repair - 3A0102

(Drums, cutters, and LineDriver™ sold separately)

Parts



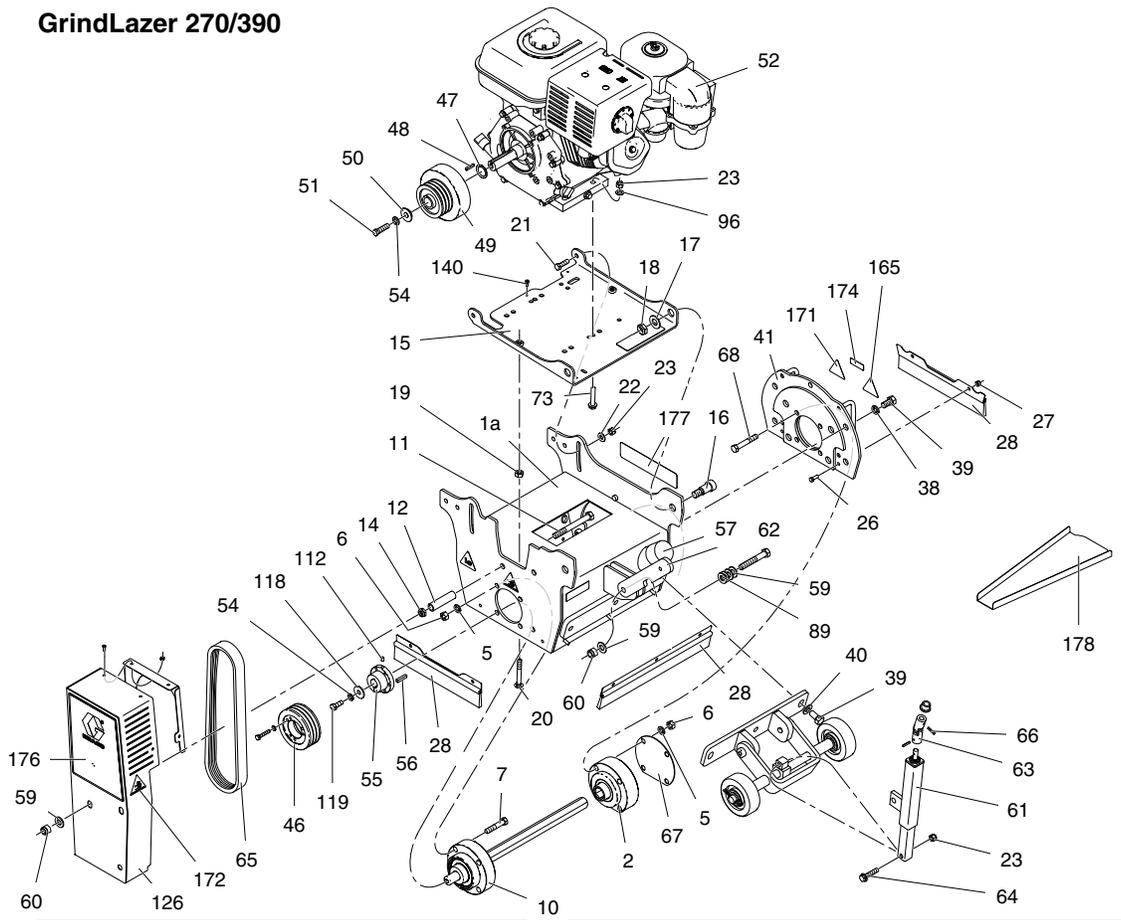
Parts List

Ref.	Part	Description	Qty.	Ref.	Part	Description	Qty.
19	100131	NUT, full hex	2	128	112395	SCREW, cap, flng HD	4
22	100023	WASHER, flat	5	129	16C278	GROMMET, square	1
23	101566	NUT, lock	13	130	16C986	SHAFT, adjustment, cutter height	1
43	112960	SCREW, cap, flng HD	6	131	115104	BEARING, flange	2
45	111040	NUT, lock, insert, nylock, 5/16	15	132	24D072	SHAFT, crank, adjustment	1
54	100133	WASHER, lock	1	133	24C982	BRACKET, crankshaft	1
66	123984	PIN, spring	3	134	24D618	PIN, handle, scarifier	1
73	114982	SCREW, cap, flng HD	4	135	194310	LEVER, actuator	2
76	112825	SPRING, belleville	6	136	120151	RETAINER, plug	2
78	112405	NUT, lock	3	137	114659	GRIP, handle	2
79	114648	CAP, dust	3	138	16C808	PLATE, control	1
83	16C781	PLATE, lift, scarifier	4	139	16D440	COVER, control	1
84	114653	SCREW, cap, flange head	6	140	117501	SCREW, mach, slot hex wash HD	5
85	115087	PLUG, tubing	6	141	16C789	HARNESS, wire (270/390 only)	1
90	24D135	FRAME, rear	1		16C788	HARNESS, wire (480 only)	1
91	193405	AXLE	1	142	24E296	CONTROL, throttle cable	1
93	111020	WHEEL, pneumatic	2	143	109466	NUT, lock, hex	2
94	100731	WASHER	1	144a	114954	SWITCH, power (270/390 only)	1
96	24D544	HITCH, mount	1	114b	123682	SWITCH, power (480 only)	1
97	116935	SCREW, cap, flng HD	3	145	16D097	SWITCH, safety, tether, terminated	1
98	116913	BALL, trailer	1		124081	CORD, lanyard, switch safety	1
99	123885	SWITCH, safety	1	148	102547	SCREW, cap, hex HD	1
100	16C790	HARNESS, wire	1	150	123816	CABLE	1
101	16D497	ACTUATOR, switch, hitch	1	151	16A717	CABLE with spring	1
102	198891	BRACKET	1	166▲	16D005	LABEL, 16 hp control (480 only)	1
103	195134	SPACER, ball, guide	1	170	16D076	LABEL, scarifier cutter position	1
104	198931	BEARING	1	173▲	16C395	LABEL, ISO hazards & prevent	1
105	113961	SCREW, cap, hex HD	1	175	16D391	LABEL, brand, grindlazer	1
106	198930	ROD, brake	1				
109	114956	TERMINAL, wire, tap (270/390 only)	1				
127	24C911	BAR, handle	1				

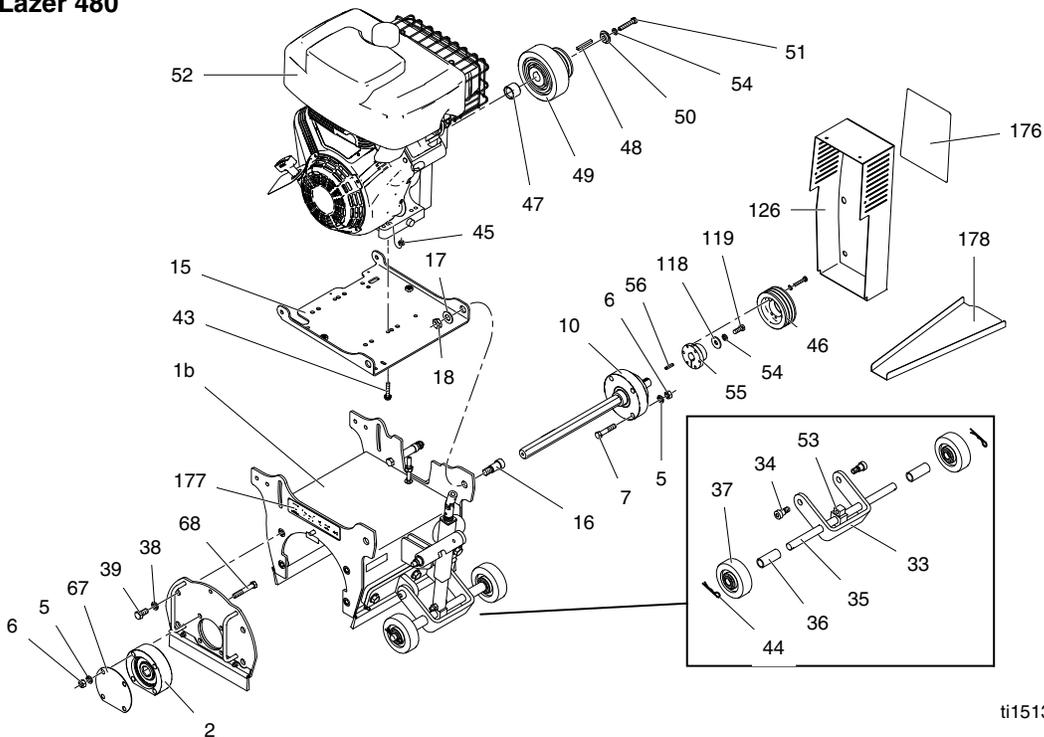
▲ Replacement Danger and Warning labels, tags, and cards are available at no cost.

Parts

GrindLazer 270/390



GrindLazer 480



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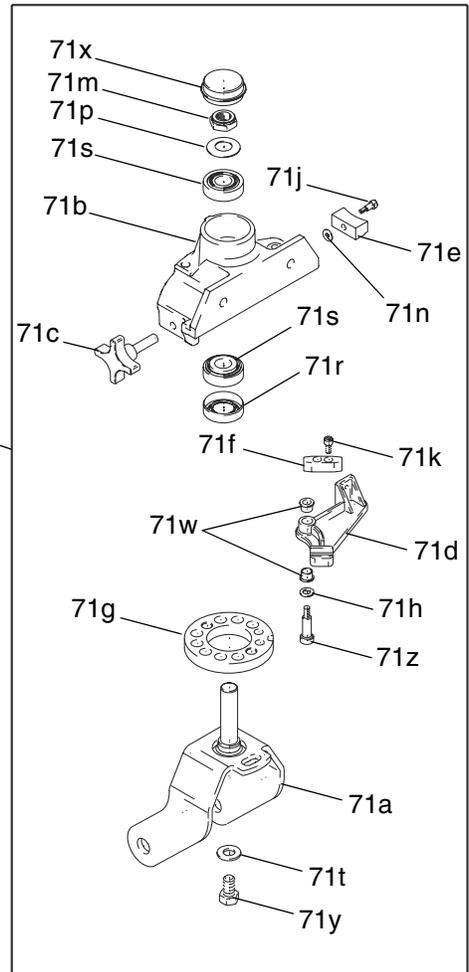
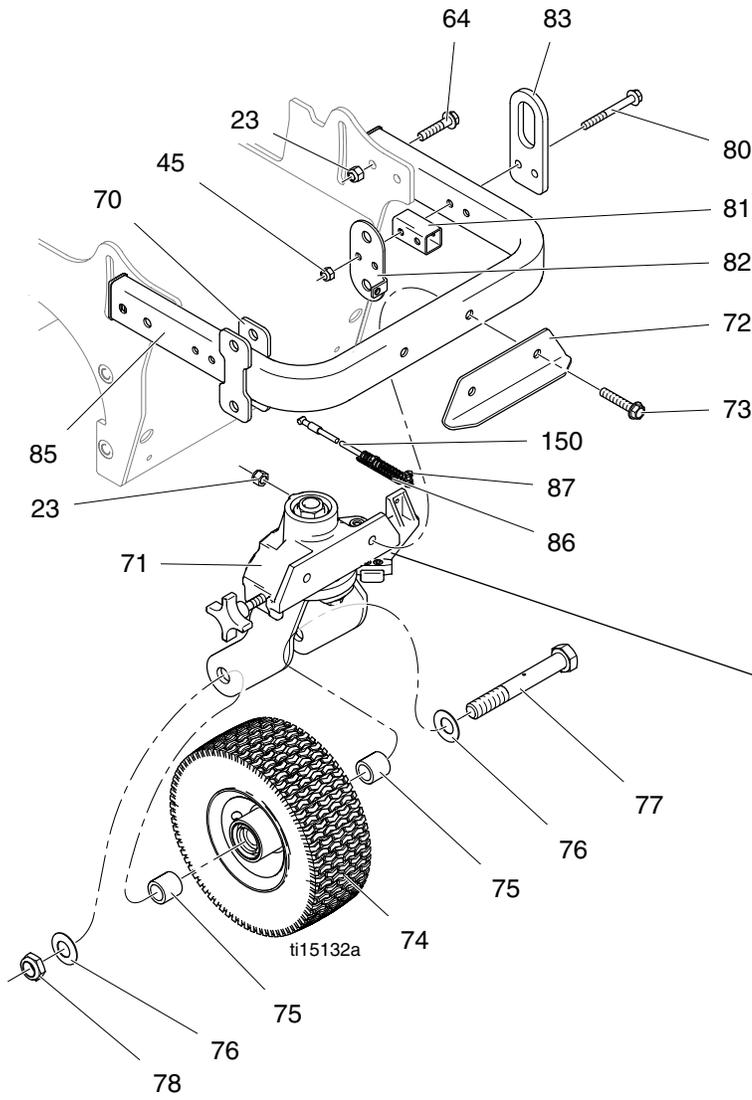
Parts List

Ref.	Part	Description	Qty.	Ref.	Part	Description	Qty.
1a	24D185	ENCLOSURE, 9 and 13 HP	1		123814	ENGINE, gasoline, 13 HP (390 Models)	1
1b	24D186	ENCLOSURE, 16 HP	1		123663	ENGINE, gasoline, 16 HP (480 Models)	1
2	24E291	BEARING, mount	1	53	16C492	ADAPTER, shaft, height adjustment	1
5	100052	WASHER, lock	8	54	100133	WASHER, lock (390/480 only)	1
6	101213	NUT, full, hex	8		100052	WASHER, lock (270 only)	1
7	123770	SCREW, cap, hex HD	4	55	123799	BUSHING, QD, sheave, pulley	1
10	24E290	KIT, bearing, shaft, drive	1	56	16D410	KEY, square	1
11	123643	SCREW, cap, hex HD	3	57	123811	CAP, plug, tube, red, 2 inch	1
12	16C409	SPACER, guard, belt	3	59	109570	WASHER, plain	9
13	100054	FITTING, lubtn, ST	2	60	101580	NUT, lock	4
14	100321	NUT	3	61	24D150	ACTUATOR, cutter height, assembly	1
15	24D168	PLATE, mount, motor	1	62	16C667	ROD, lock, transport	1
16	123644	SCREW, shoulder, socket head	2	63	123681	SWIVEL, universal, joint	1
17	111841	WASHER, plain 5/8	2	64	116780	SCREW, hex, hd, flanged	5
18	119554	NUT, lock, nylon, thin pattern	2	*65	123794	BELT, 3VX375, series A	1
19	100131	NUT, full hex	2		124994	BELT, 3VX355, series B, C, D	1
20	124258	BOLT, carriage	1	66	123984	PIN, spring	3
21	100004	SCREW, cap, hex HD	2	67	16D443	COVER, dust, bearing	2
22	100023	WASHER, flat	2	68	123982	SCREW, cap, hex head	4
23	101566	NUT, lock	13	69	16D649	SEAL, dust, felt	2
24	123800	FITTING, nipple, pipe, 4.5 long	1	73	114982	SCREW, cap	8
25	100451	COUPLING	1	89	119547	NUT, hex, lock, nylon, thin	1
26	100022	SCREW, cap, hex HD	9	112	108851	WASHER, plain	2
27	102040	NUT, lock, hex	12	118	100133	WASHER, lock	2
28	24D584	KIT, brush, scarifier	2	119	116596	SCREW, cap, hex head	2
32	24D170	BRACKET, arm, pivot	1	126	24D075	COVER, belt	1
33	16C666	BRACKET, pivot, wheel	1	140	117501	SCREW, mach, slot hex wash HD	5
34	123746	SCREW, shoulder, socket head	2	165	15K616	LABEL	1
35	16C054	AXLE, pivot, drum, wheel	1	171▲	16C393	LABEL, ISO cut foot icon	2
36	16C055	SPACER, wheel, pivot	2	172▲	16C394	LABEL, ISO pinch hazard icon	2
37	123613	WHEEL	2	174	16C396	LABEL, grease equipment 50 hours	2
38	100018	WASHER, lock, spring	4	176	16D397	LABEL, brand, Grindlazer 480 (480 only)	1
39	123664	SCREW, cap, hex head	7		16D395	LABEL, brand, Grindlazer 390 (390 only)	1
40	113962	WASHER, hardened, SAE	3		16D393	LABEL, brand, Grindlazer 270 (270 only)	1
41	24D173	COVER, cage, drum	1	177	16D398	LABEL, brand, Grindlazer 480 (480 only)	1
43	112960	SCREW, cap, flng HD	6		16D396	LABEL, brand, Grindlazer 390 (390 only)	1
44	123906	PIN, cotter, hair pin	2		16D394	LABEL, brand, Grindlazer 270 (270 only)	1
45	111040	NUT, lock, insert, nylock, 5/16	15	178	15F354	FUNNEL, oil	1
46	123697	PULLEY, sheave, QD, 3V	1				
47	16P716	SPACER, clutch (480 only)	1				
	16E053	SPACER, clutch (270/390 only)	1				
48	801137	KEY, square	1				
49	24H323	CLUTCH, centrifugal (480 only)	1				
	24H324	CLUTCH, centrifugal (270/390 only)	1				
50	16C708	SPACER, engine (390/480 only)	1				
	16D067	SPACER, engine (270 only)	1				
51	123940	SCREW, cap, hex head (480 only)	1				
	123939	SCREW, cap, hex, head (390 only)	1				
	123941	SCREW, cap, hex, head (270 only)	1				
52	123966	ENGINE, gasoline, 9 HP (270 Models)	1				

* KIT includes belt 65

▲ Replacement Danger and Warning labels, tags, and cards are available at no cost.

Parts

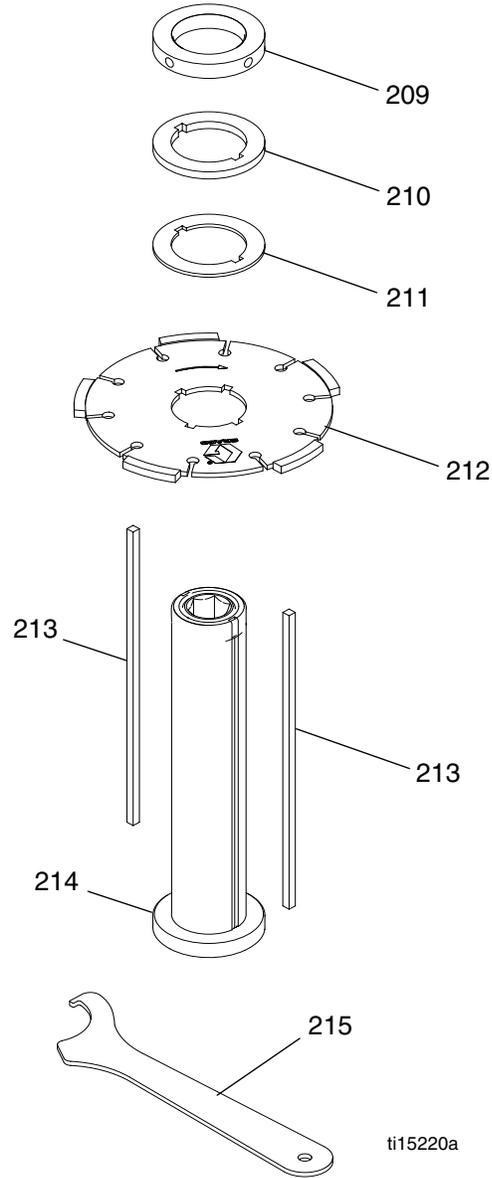
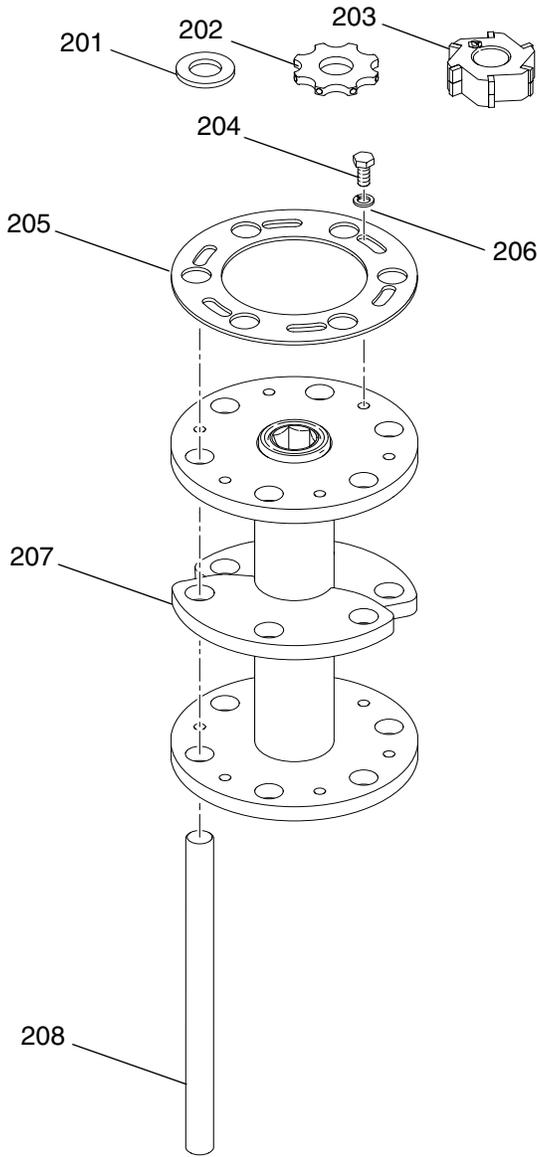


Parts List

Ref.	Part	Description	Qty.	Ref.	Part	Description	Qty.
23	101566	NUT, lock	13	71w	114548	BEARING, bronze	2
45	111040	NUT, lock, insert, nylock, 5/16	15	71x	114648	CAP, dust	3
64	116780	SCREW, hex, HD, flanged	5	71y	114681	SCREW	1
70	24D184	FRAME, front	1	71z	120476	BOLT	1
71	287881	CASTER, LineLazer	1	72	240991	BRACKET, caster, front	1
71a	240942	SHAFT, fork	1	73	114982	SCREW, cap, flng HD	4
71b*	15G952	BRACKET	1	74	114549	WHEEL, pneumatic	1
71c	181818	KNOB	1	75	193658	SPACER, seal	2
71d	193528	ARM, detent	1	76	112825	SPRING, belleville	6
71e	193661	JAW	1	77	113471	SCREW, cap, hex HD	1
71f	193662	STOP, wedge	1	78	112405	NUT, lock	3
71g	198606	DISK, adjuster	1	80	120229	SCREW, hex flange	2
71h	15J603	WASHER	1	81	16C111	SPACER, support, cable	1
71j	108483	SCREW, shoulder, sch	1	82	15F910	BRACKET, cable	1
71k	110754	SCREW, cap	2	83	16C781	PLATE, lift, scarifier	4
71m	112405	NUT, lock	4	85	115087	PLUG, tubing	6
71n	112776	WASHER	1	86	114682	SPRING, compression	1
71p	119563	SPRING, belleville	2	87	114802	STOP, wire	1
71r	113484	SEAL	1	150	123816	CABLE	1
71s*	113485	BEARING	2				
71t	113962	WASHER	1				

* Included in Bracket Repair Kit 240940.

Drum and Cutter Parts



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Drum and Cutter Parts List

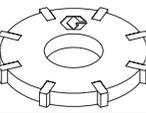
Ref.	Part	Description	Qty.	Ref.	Part	Description	Qty.
201	24D981	SPACER, 20 pack	◆	210	16A257	SPACER, 1/4 in.	◆
202	24D612	CUTTER, 20 pack	◆	211	16A258	SPACER, 1/8 in.	◆
203	24D613	MILLER, 6 pack	◆	212	24E289	BLADE, diamond	◆
204	123791	SCREW	12	213	123252	SQUARE KEY	2
205	24D980	PLATE, 2 pack	2	214	24D982	DRUM	◆
206	100186	WASHER, lock	12	215	16E065	WRENCH, spanner	1
207	16A654	DRUM	1				
208	24D979	ROD, 6 pack	6				
209	16A259	CAP, end, threaded	◆				

◆ Quantities will vary. See chart on page 9.

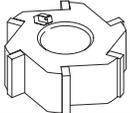
GrindLazer™ Cutter Assemblies

8-Point Flail: Tungsten Carbide Cutter		Application: All purpose removal of paint, epoxy, and thermoplastic markings, bump-smoothing, and anti-slip grooving					
Ref.	Part	Description	Cut Width	Cutters	Spacers	Rods	End Plates
202	24D612	Replacement 8pt Flail, Tungsten Carbide Cutters (20 per pack)		20			
	24D182	Completely assembled drum for general purpose	*6 in. / 15.25 cm	84	234	6	2
	24D180	Completely assembled drum for general purpose	*8 in. / 20.5 cm	114	186	6	2
	24B957	Completely assembled drum for general purpose	*10 in. / 25.5 cm	138	150	6	2
	24E854	Completely assembled drum for Fine Finish	*6 in. / 15.25 cm	108	198	6	2
	24E855	Completely assembled drum for Fine Finish	*8 in. / 20.5 cm	144	138	6	2
	24E856	Completely assembled drum for Fine Finish	*10 in. / 25.5 cm	174	90	6	2

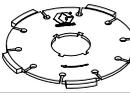
See Repair manual for additional **Cutter Stacking Recommendations**.

8-Point FullCut™ Flail: Tungsten Carbide Cutter		Application: All purpose removal of paint, epoxy, thermoplastic markings, bump-smoothing, anti-slip grooving, and inlay applications for a smooth finish					
Ref.	Part	Description	Cut Width	Cutters	Spacers	Rods	End Plates
216	24F213	Replacement 8pt FullCut, Tungsten Carbide Cutters (20pack)		20			
	24F184	Completely assembled drum for Ultra Fine Finish	6 in. / 15.25 cm	84	258	6	2
	24F185	Completely assembled drum for Ultra Fine Finish	8 in. / 20.5 cm	108	210	6	2
	24F186	Completely assembled drum for Ultra Fine Finish	10 in. / 25.5 cm	138	162	6	2

See Repair manual for additional **Cutter Stacking Recommendations**.

6-Point Miller: Tungsten Carbide Cutter		Application: Specifically used for thermoplastic, tape removal, and built-up paint					
Ref.	Part	Description	Cut Width	Cutters	Spacers	Rods	End Plates
203	24D613	Replacement 6pt Miller, Tungsten Carbide Cutters (6 pack)		6			
	24E214	Completely assembled drum with cutters	6 in. / 15.25 cm	30	204	6	2
	24D585	Completely assembled drum with cutters	8 in. / 20.5 cm	42	132	6	2
	24D183	Completely assembled drum with cutters	10 in. / 25.5 cm	54	66	6	2

See Repair manual for additional **Cutter Stacking Recommendations**.

Diamond Blades		Applications: Specifically used to inlay and groove concrete and asphalt pavement					
Ref.	Part	Description	Cut Width	Blades	1/8 in. Blade Spacers	1/4 in. End Spacers	Square Key
212	24E289	Replacement Diamond Blade	1/4 in. / 6.35 cm	1			
	24B965	Completely assembled drum for pavement grooving/inlay	5 in. / 12.75 cm	30	204	21	2
	24D583	Completely assembled drum for pavement grooving/inlay	10 in. / 25.5 cm	42	132	2	2

See Repair manual for additional **Cutter Stacking Recommendations**.

Drum Components			
Ref.	Part	Description	Application
	24D610	Completely assembled drum without cutters and spacers	For use with all Tungsten Carbide Cutters
208	24D979	Replacement Drum Rods	For use with all Tungsten Carbide Cutters (6 pack)
205	24D980	Replacement Drum End Plates	For use with all Tungsten Carbide Cutters (2 pack)
201	24D981	Replacement Steel Spacers	For use with all Tungsten Carbide Cutters (20 pack)
209	16A259	Threaded End Cap	For use with all Diamond Blade Cutters
210	16A257	1/4 in. Spacer	For use with all Diamond Blade Cutters
211	16A258	1/8 in. Spacer	For use with all Diamond Blade Cutters
213	123252	Square Key	For use with all Diamond Blade Cutters
214	24D982	Assembled Diamond Blade drum without blades and spacers	For use with all Diamond Blade Cutters

Graco Standard Warranty

Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

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Original instructions. This manual contains English. MM 3A0103

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