

EDGER TROWEL INSTRUCTION MANUAL

EDGER TROWEL ASSEMBLY

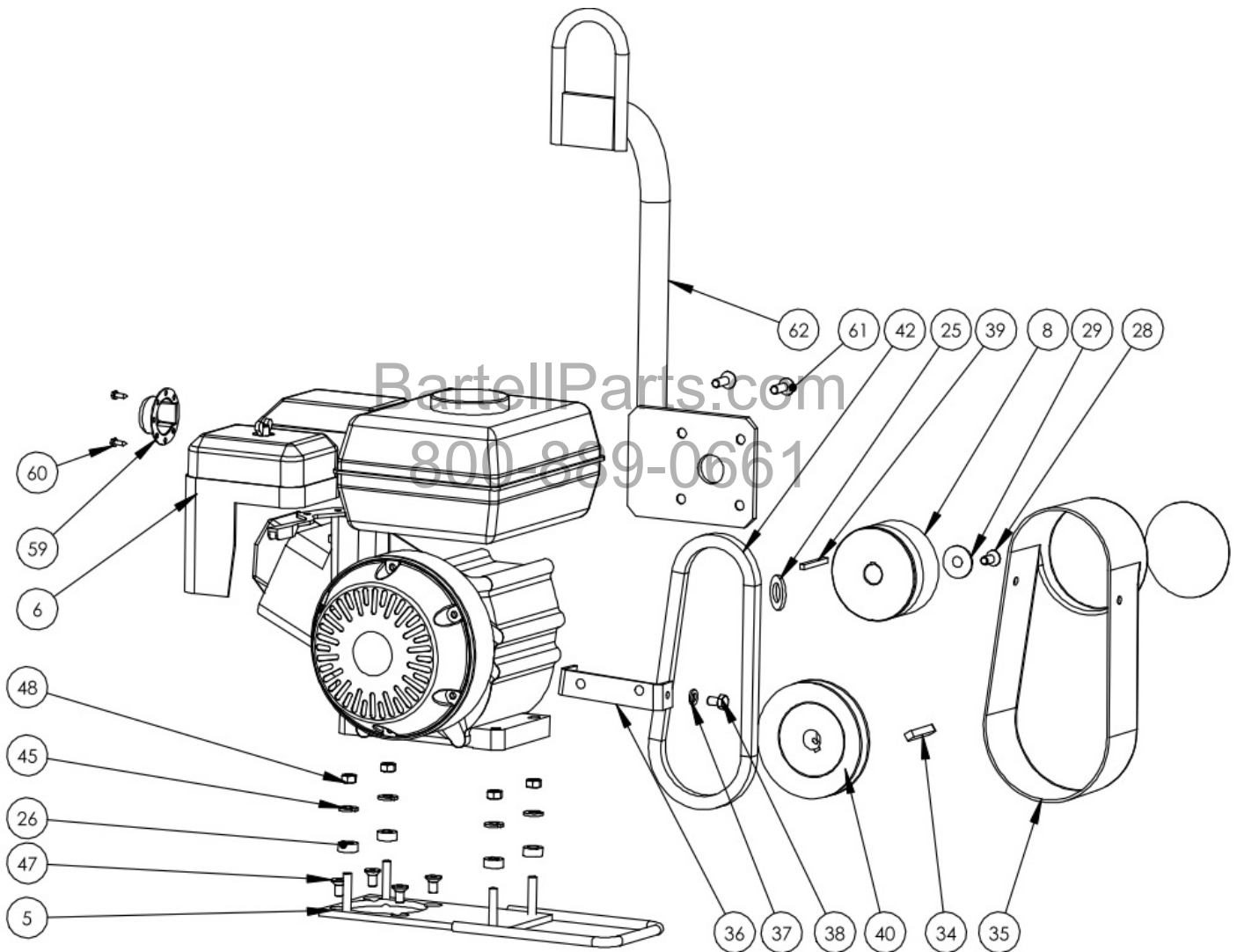


Figure 1 - Full Top Assembly

BartellParts.com
800-889-0661

EDGER TROWEL INSTRUCTION MANUAL

CUSTOMER PARTS LIST

Item #	B424	B430	Description	Qty.	Eff. Date
5	11752	11752	Engine Mounting Plate	1	6/8/2004
6	21333	21333	Honda Engine	1	6/8/2004
8	21006	21006	Clutch	1	6/8/2004
25	10306	10306	Washer	1	6/8/2004
26	10104	10104	Spacer	4	6/8/2004
28	11256	11256	FHSCS 5/16-24 UNF x 1"	2	6/8/2004
29	30042	30042	Clutch Retainer Washer	1	6/8/2004
34	11638	11638	Key, 6mm SQ vs 25mm LG	1	6/8/2004
35	11662	11662	Belt Guard	1	6/8/2004
36	11669	11669	Belt Guard Support Bracket	1	6/8/2004
37	10402	10402	Lock Washer, 5/16"	2	6/8/2004
38	10782	10782	HHCS M8-1.25 x M8	2	6/8/2004
39	10206	10206	Key, 3/16" Sq. x 1 7/8" LG	1	6/8/2004
40	11685	11685	Pulley, 4.5" DIA x 3/4" BORE	1	6/8/2004
42	11007	11007	V-Belt 4L-260	1	6/8/2004
46	11619	11619	HHCA M8-1.25 x 25mm, Zinc Plated	2	12/01/2004
47	11681	11681	FHSCS M8-1.25 x 16mm	4	12/01/2004
48	11615	11615	Hex Nut 8mm	4	12/01/2004
59	11112	11112	Muffler Cap	1	12/01/2004
60	11115	11115	Screw	2	12/01/2004
61	30041	30041	FHSCS 5/16-24 x 1" L	4	12/01/2004
62	20189	20189	Hoist Hook	1	12/01/2004

Figure 1 - Full Top Assembly Parts List

BartellParts.com
800-889-0661

EDGER TROWEL INSTRUCTION MANUAL

EDGER TROWEL ASSEMBLY

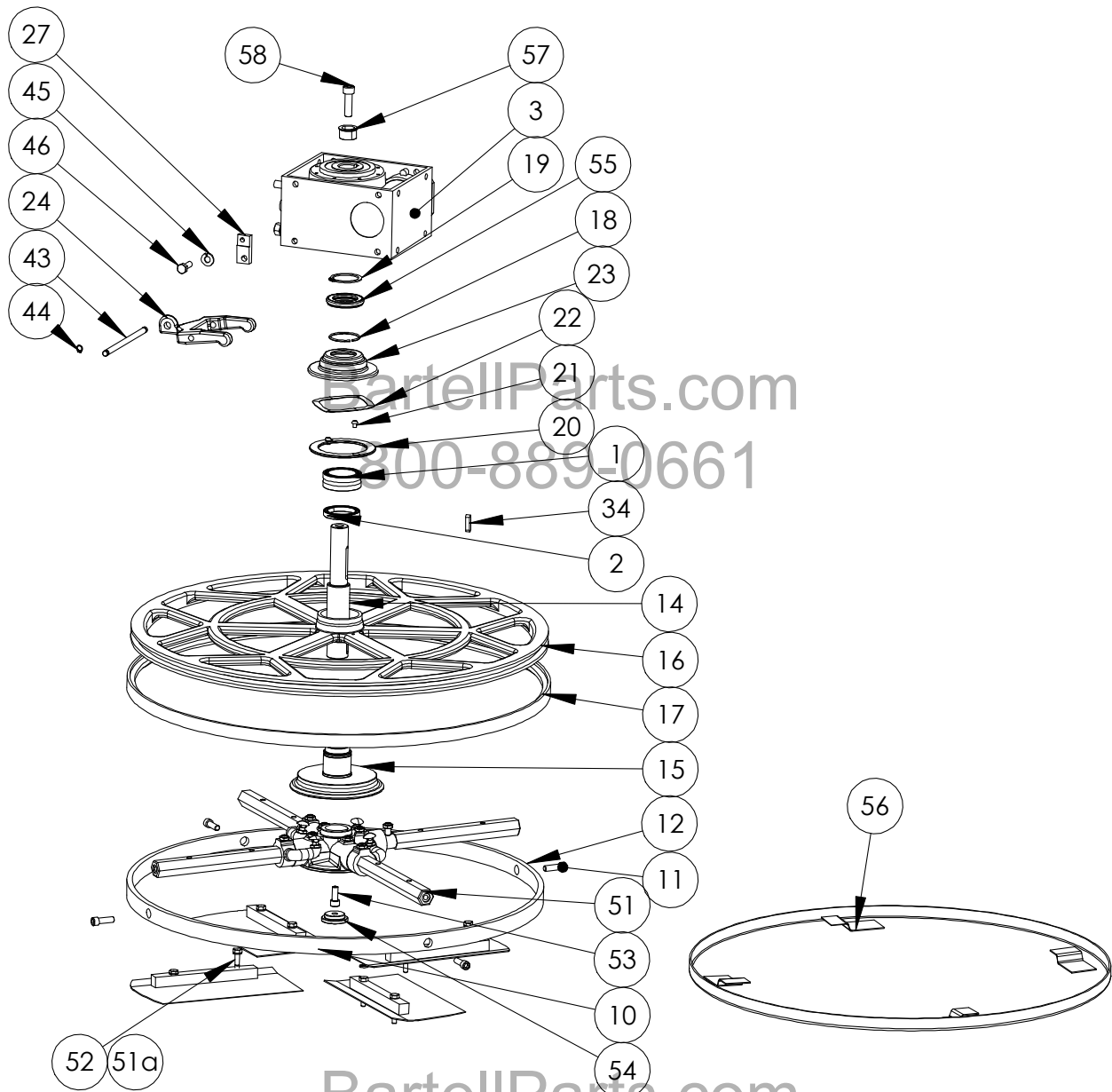


Figure 2 - Full Bottom Assembly

EDGER TROWEL INSTRUCTION MANUAL

CUSTOMER PARTS LIST

Item #	B424	B430	Description	Qty.	Eff. Date
1	11660	11660	Bearing, Needle Roller	1	6/8/2004
2	11628	11628	Bearing, Thrust	1	6/8/2004
3	11770	11770	Gearbox	1	6/8/2004
9	21616	11815	Spider Plate Assembly	1	6/8/2004
10	20455	20407	Trowel Blade, Combo	4	6/8/2004
11	11769	11769	SHCS M8 x 16mm	4	6/8/2004
12	11758	11813	Stabilizer Ring	1	6/8/2004
13	11755	11755	Main Shaft	1	6/8/2004
14	11639	11639	Key, 8mm x 7mm x 50mm LG	1	6/8/2004
15	11756	11756	Pressure Plate	1	6/8/2004
16	11652	11810	Rotating Ring	1	6/8/2004
17	11640	11812	Belt, Rotating Ring (T-Belt)	1	6/8/2004
18	11631	11631	Retaining Ring	1	6/8/2004
19	11632	11632	Retaining Ring	1	6/8/2004
20	11774	11774	Friction Washer	1	6/8/2004
21	11836	52180	FHMS 10-24 x 3/8" LG	2	6/8/2004
22	11775	11775	Wave Washer	1	6/8/2004
23	11655	11655	Thrust Bearing Cap	1	6/8/2004
24	11672	11672	Yoke Arm	1	6/8/2004
27	11659	11659	Set, Pin Support LH + RH	1	30/4/2007
34	11638	11638	Key, 6mm SQ vs 25mm LG	1	6/8/2004
43	11646	11646	Yoke Pin	1	6/8/2004
44	11645	11645	Retaining Ring, 5100-0031	2	6/8/2004
45	11614	11614	Lockwasher, M8, Split, Din 127, Zinc Plated		12/01/2004
46	11619	11619	HHCA M8-1.25 x 25mm, Zinc Plated	2	12/01/2004
51	10521	10521	Lock Washer, 1/4"	8	12/01/2004
51a	14446	14447	Washer, 6mm	1	12/01/2004
52	12532	10523	HHCS 1/4-20 x 1-1/2"LG / M6-1.00 x 35mm	8	12/01/2004
53	11765	11765	Retainer Plate	1	12/01/2004
54	11772	11772	SHCS M8-1.25 x 25mm	1	12/01/2004
55	11627	11627	Bearing 61808 2RS	1	12/01/2004
56	11766	11811	Float Plan	1	12/01/2004
57	11767	11767	Retainer	1	12/01/2004
58	11753	11752	SHCS M10 x 1.5 x 35mm	1	12/01/2004

Figure 2 - Full Bottom Assembly Parts List

EDGER TROWEL INSTRUCTION MANUAL

SPIDER PLATE ASSEMBLY

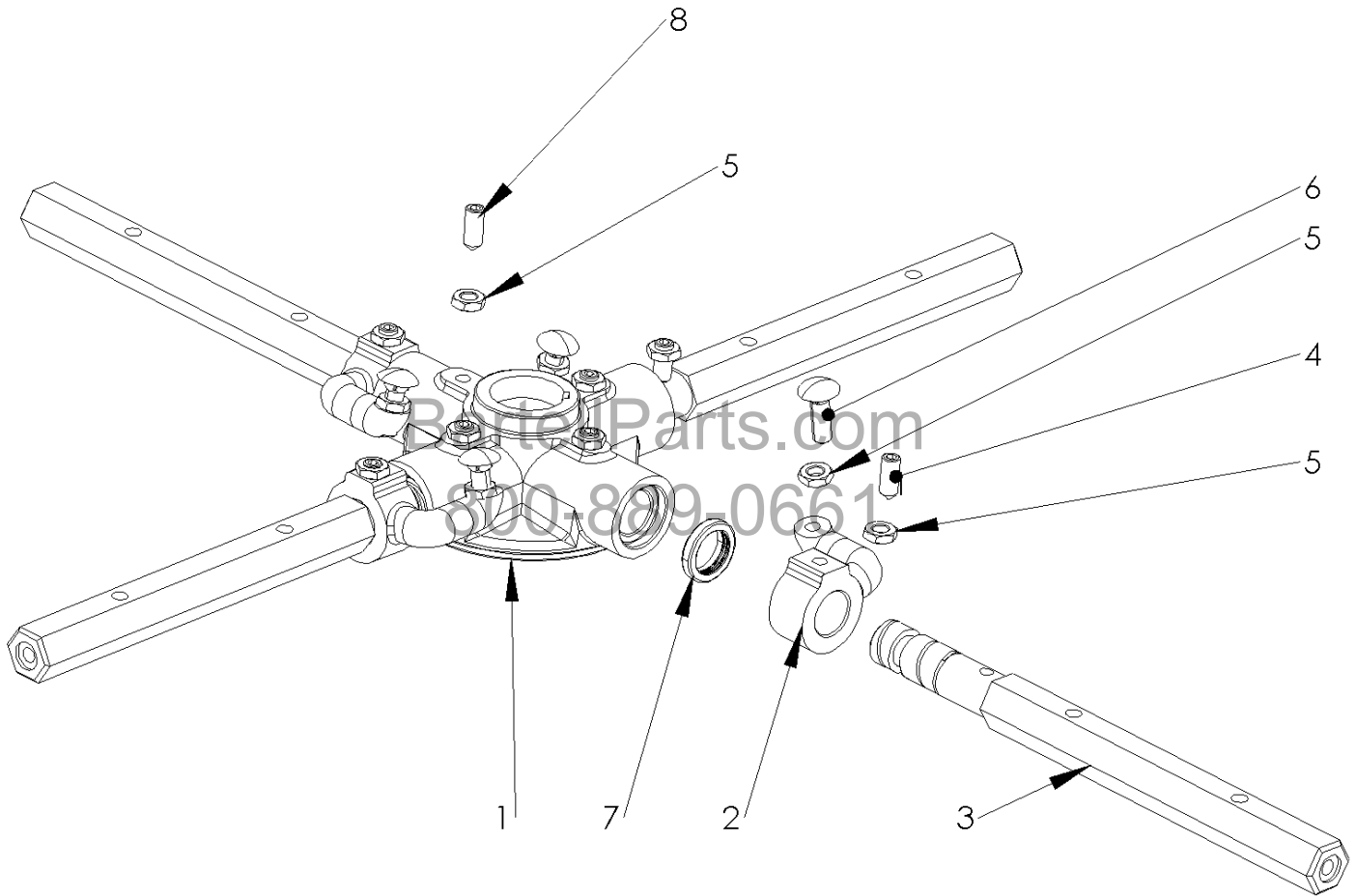


Figure 3 - Oil-Bath Spider Plate Assembly

Assembly # **Spider Plate Assembly**
B424 - 21616, B430 - 11815

Item #	B424	B430	Description	Qty.	Eff. Date
1	11757	11757	Oil Lubricated Spider Plate	1	1/1/1997
2	11754	11754	Lift Lever, Small	4	1/1/1997
3	11759	11817	Trowel Arm	4	1/1/1997
4	11762	11762	Set Screw, M8x20mm	8	9/5/2000
5	11760	11760	Jam Nut, M8	12	1/1/1997
6	11763	11763	Carriage Bolt, M8x20mm	4	1/1/1997
7	11761	11761	Oil Seal	4	1/1/1997
8	11764	11764	Dog Screw	4	1/1/1997

FOLDING HANDLE ASSEMBLY - 21632

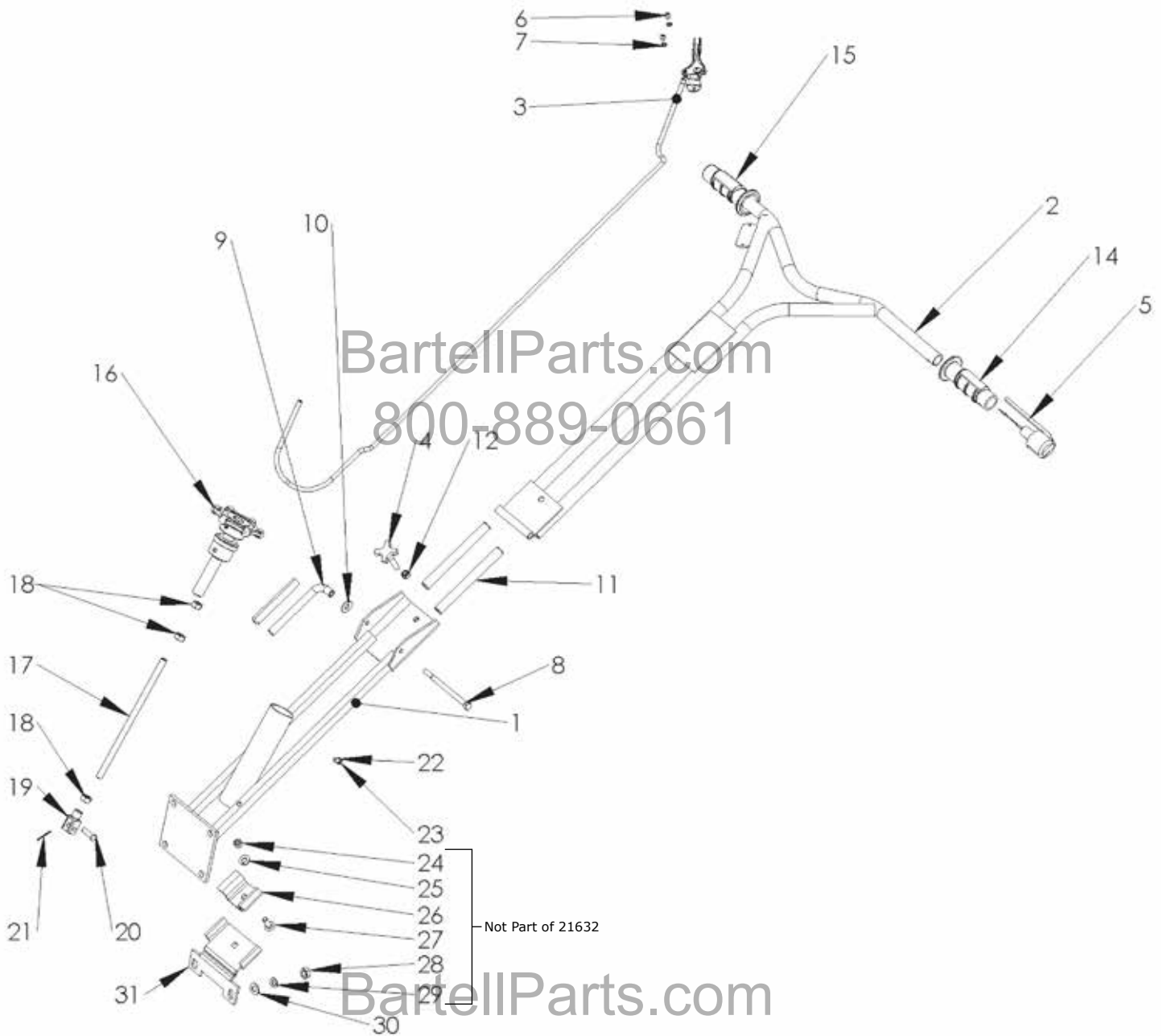


Figure 4 - Folding Handle Assembly

EDGER TROWEL INSTRUCTION MANUAL

CUSTOMER PARTS LIST

Figure 4 - Folding Handle Assembly Parts List (21632)

Item #	Part Number	Description	Qty.	Eff. Date
1	21611	Lower Handle	1	1/1/1997
	21625	Lower Handle (CE Spec.)	1	1/1/1997
2	21601	Upper Handle	1	8/1/2007
3	10508	Throttle Assembly, Cable c/w Lever	1	8/1/2007
4	11848	Hand Knob	1	1/1/1997
5	11852	Safety Switch	1	1/1/1997
6	11836	RHMS M5 - 0.8 x 10mm	2	1/1/1997
7	10703	Lock Washer, Internal Tooth, #10 Dia	2	1/1/1997
8	11483	HHCS M8 - 1.25 x 110mm	1	1/1/1997
9	21631	Lever Nut	1	1/1/1997
10	11667	Flat Washer, M8	2	1/1/1997
11	20552	Tube w/Spring	2	1/1/1997
12	11617	Nylock Nut, M8	1	1/1/1997
14	11641	Handle Grip, Left	1	2/1/2008
15	11642	Handle Grip, Right	1	2/1/2008
16	21628	Hand Knob Assembly	1	2/1/2008
17	11771	Rod	1	2/1/2008
18	11622	Hex Nut, 10mm	3	2/1/2008
19	11633	Yoke	1	2/1/2008
20	11818	Clevis Pin	1	2/1/2008
21	11819	Cotter Pin	1	2/1/2008
22	10521	Lock Washer, 1/4"	1	2/1/2008
23	14446	HHCS, M6-1x12mm	1	2/1/2008

Figure 4 - Handle Assembly Parts List (not part of 21632)

24	11615	Hex Nut, M8-1.25	1	2/1/2008
25	11614	Lock Washer, M8	1	2/1/2008
26	11854	Bracket, Upper	1	2/1/2008
27	11763	Carriage Bolt, M8-1.25x25mm	1	2/1/2008
28	11622	Hex Nut, 10mm	1	2/1/2008
29	11621	Lock Washer, M10	1	2/1/2008
30	41516	Flat Washer, M10	1	2/1/2008
31	11853	Bracket, Lower	1	2/1/2008

EDGER TROWEL INSTRUCTION MANUAL

TROUBLESHOOTING

WON'T START

- Throttle fully open
- Hand lever wire broken
- No gas
- Dirty gas
- No oil
- Gas filter plugged
- Gas line plugged
- Hole in gas line
- Gas supply valve turned off
- Dead-man safety switch is off
- Safety switch wire or connectors not making good contact
- Other engine problems (Refer to engine manual)

STARTS BUT NO HIGH SPEED

- Engine problems
- Throttle cable broken or seized
- Throttle lever and connectors loose or out of adjustment
- Clutch shoes worn

STARTS AT HIGH SPEED, WON'T SLOW DOWN

- Same as above

ENGINE WON'T STOP

- Safety switch, wire or connectors not making good contact
- Micro-switch burnt out

ENGINE STARTS BUT WON'T TURN TROWELS AT ANY SPEED

- Clutch seized
- No weights or broken clutch
- Wrong belt
- Broken or missing key
 - Clutch
 - Pulley
 - Worm gear (countershaft)
 - Main gear
 - Spider plate
- Gearbox seized

TROWELS TURN, ENGINE AT IDLE

- Idle too fast
- Belt too tight
- Clutch seized
- Pulley out of alignment

TROWELS BLADES WEARING UNEVENLY

- Spider plate seized
- Arms bent
- Adjusting screws (carriage bolts) incorrectly set
- Floating disc not evenly attached to the blades

MACHINE JUMPS ON FLOOR

- Concrete hardened on bottom of spider plate
- Trowels unevenly worn/bent
- Spider plate seized
- Spider plate loose
- Trowel arms bent
- Adjusting screws (carriage bolts) incorrectly set
- Mainshaft bent

PITCH CONTROLS WILL NOT OPERATE BLADES

- Cable broken or out of adjustment
- Pressure plate assembly contaminated with concrete debris
- Slot screw missing (under-side of handle)
- Spider plate seized
- Pressure plate and/or yoke arm broken or badly worn
- Hand crank adjuster malfunctioning

BELT WEARING RAPIDLY

- Belt is too tight
- Pulley out of alignment
- Wrong belt/defective belt
- Clutch sticking
- Gearbox seizing

OIL LEAKS

- a) Top of gearbox
 - Gearbox seal worn
 - Engine leaks
 - Too much oil in gearbox
- b) At mainshaft or countershaft
 - Shaft and/or seal worn
 - Retaining screw(s) loose

TROWEL BLADES WILL NOT TURN

- Yoke arm broken
- Key sheared
- Gearbox malfunction