



OLYMPIC CYLINDER MOWERS 500 SERIES

Mower	Model	Spec	Engine	Shaft Dia	Start Year	From Serial #
019030	500 - PRR	"A"	Honda GX160	20	Dec 2007	7091921
019035	500 - PRR	"A"	B&S 3.5 I/C	19	Sep 2008	7154532
019040	500 - RRR	"A"	Honda GX160	20	Apr 2009	7201082
019042	500 - RRR	"A"	B&S 3.5 I/C	19	Apr 2009	7201892
019054	500 - RRR	"A"	B&S 6.0 I/C	19	Aug 2010	7361176
019071	500 - PRR	"A"	B&S 6.0 I/C	19	Nov 2010	7389447
019098	500 - RRR	"A" L/C	B&S 5.0 hp	19	May 2012	7599291
019100	500 - RRR	"A"	Honda GC160	19	Nov 2012	7689391
019101	500 - RRR	"A" L/C	Honda GC160	19	Nov 2012	7690470
019109	500 - RRR	"B"	B&S 3.5 I/C	19	Oct 2015	7978145
019110	500 - RRR	"B"	Honda GC160	19	July 2015	7923568
019112	500 - RRR	"B"	Honda GX160	20	July 2015	7939378
019113	500 - RRR	"B"	B&S 5.0 hp	19	July 2015	7923028
019115	500 - RRR	"B"	Loncin 196cc	19	Apr 2019	8357615

PRR = Cylinder Mowers fitted with a painted Rear Roller

RRR = Cylinder Mowers fitted with a Rubber Sleeve over the painted Rear Roller

L/C = Cylinder Mowers - Low Cut, these have a different backplate and Baseplate, refer to page 4



Photo shows 019042
B&S 3.5 I/C



Photo shows 019115
Loncin Engine 196cc
Pt No 502465

"A" Approx Ground Speed 5.5Kph

Where assembled parts differ,
These are shown as "A"

"B" Approx Ground Speed 4.5Kph

Where assembled parts differ,
These are shown as "B"



Photo shows 019110
Honda GC 160

Spares Version

Issue F.4
Oct 2023 PB
ECN # 04490
IPL Ref # 719030

731969 Catcher Assembly- 500 Green

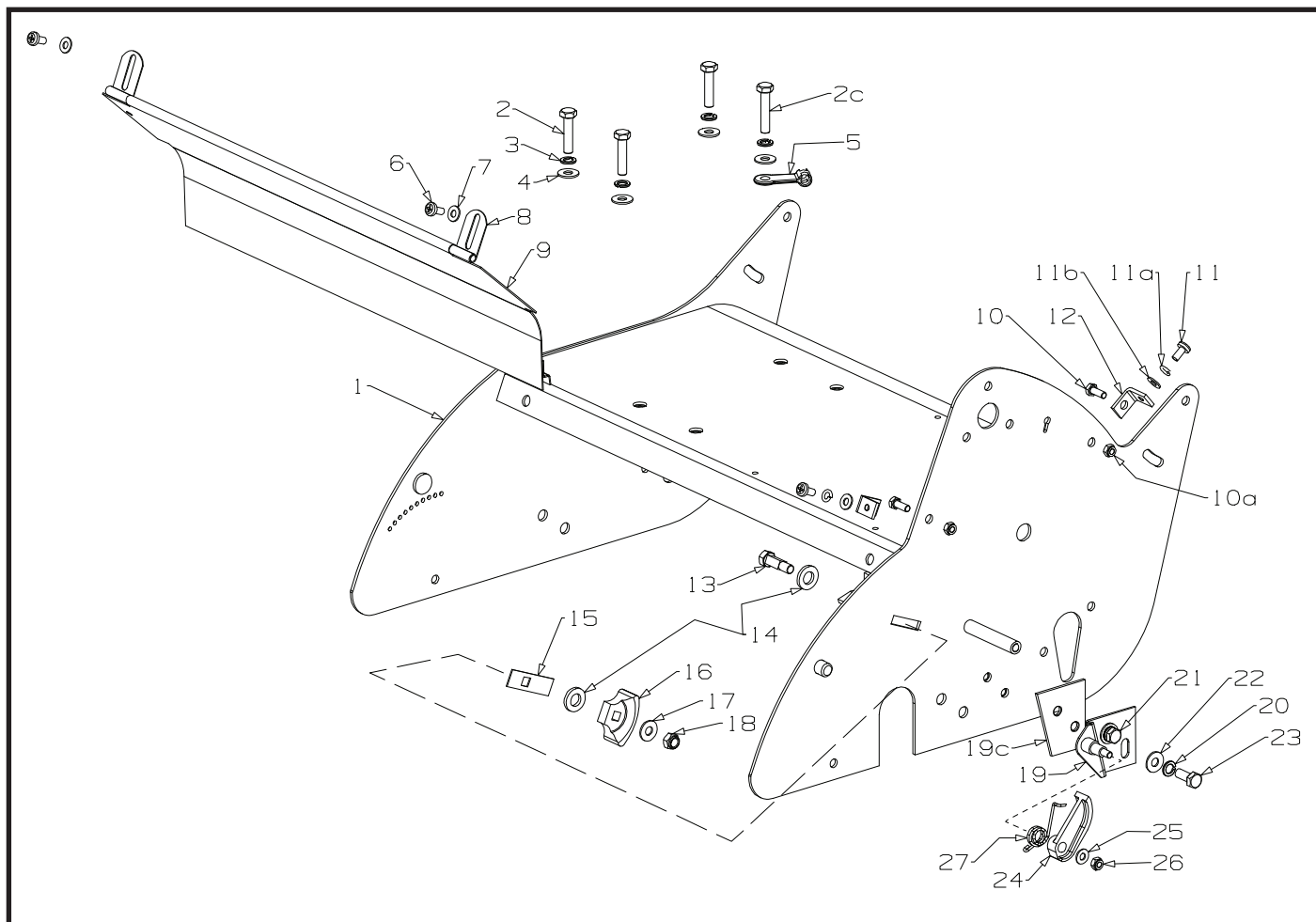


Not Illustrated

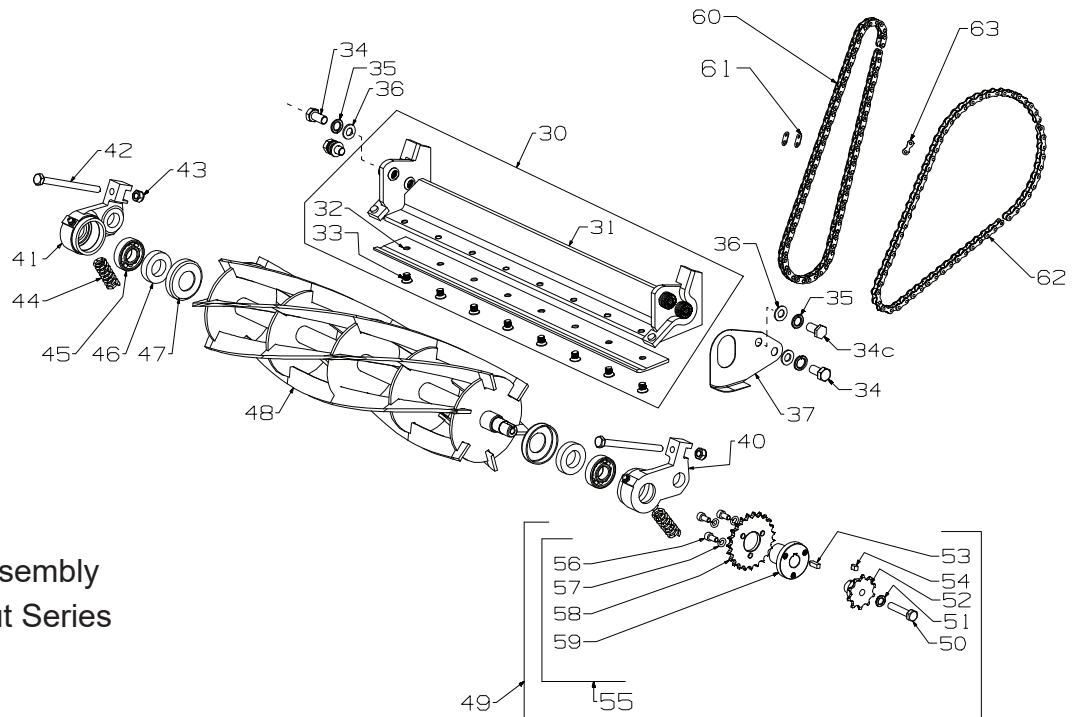
031888	Decal, Caution S/N & dB 500	1
031891	Decal, Trans Cover 5/660	1
031894	Decal, G/Catcher 500	1
031900	Decal, Caution, Feet & Hands	1
031992	Owner Manual, Reel Mower	1
537967	Washer-Rear Axle (If required)	3
Honda Engine's require		
503630	Screw, S/T 10x.4	2
503950	Deflector-Honda Engine	1
Honda- Throttle Cable Routing Change TB129 (Released December 2012)		
503489	Screw, Set M5 x 16 Tap/C	1
550500	Cable- Clamp, Throttle Adaptor	1

Spares Option

732181	Slow Down Kit	1	Converts from A to B
732226	Speed Up Kit	1	Converts from B to A

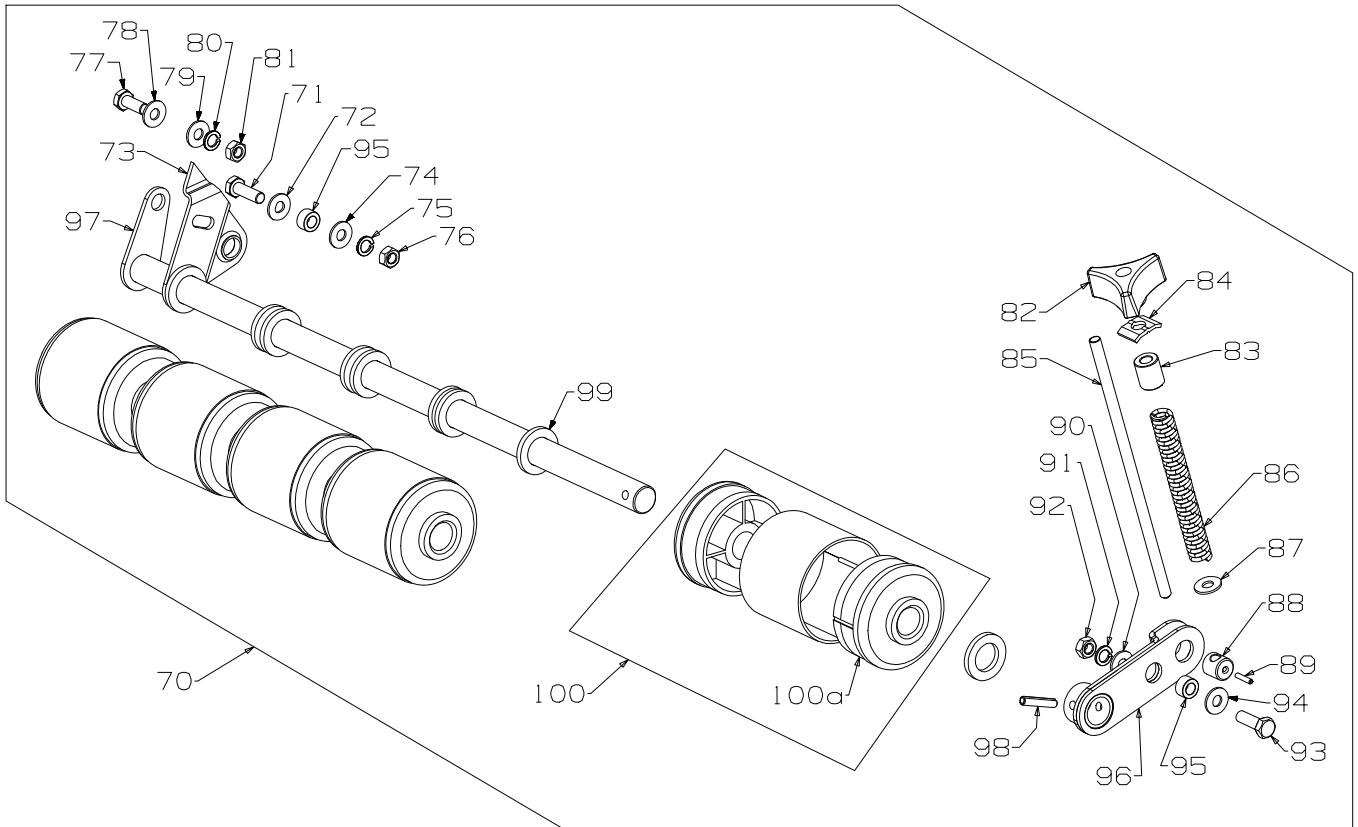


Item	Part No	Description	Qty	Item	Part No	Description	Qty
1	031590	Chassis Assy- 500 Green	1	19	004942	Plate Assy, Mounting	1
2	501716	Set Screw, M8 x 35 Hex HT	3	19c	032250	Plate- Spacer, Chain Align	1
2c	501843	Set Screw, M8 x 40 Hex	1	20	503747	Washer Spg 8	2
3	503747	Washer, Spg 8	4	21	501571	Set Screw, M8 x 16 Hex	1
4	501606	Washer, Flat 8 x 19 x 1.6	4	22	501606	Washer, Flat 8 x 19 x 1.6	2
5	581527	Retainer, Clutch Cable	1	23	501571	Set Screw, M8 x 16 Hex	1
6	503591	Screw, Pan M6 x 12	2	24	004963	Adjuster- Chain, Tension Nylon	1
7	501703	Washer, Flat 6 x 14 x 1.2	2	25	501703	Washer, Flat 6 x 14 x 1.2	1
8	002589	Bracket, Grass Chute	2	26	501764	Nut, M6 Hex Nyloc x 6mm thick	1
9	008901	Deflector, Grass- 500	1	27	004945	Spring	1
10	501702	Set Screw, M6 x 16 Hex	2				
10a	501764	Nut, M6 Hex Nyloc x 6mm thick	2				
11	503591	Screw, Pan M6 x 12	2				
11a	500201	Washer, Spg 6	2				
11b	501703	Washer, Flat 6 x 14 x 1.2	2				
12	031915	Bracket- Chain Cover	2				
13	002848	Bolt- Adjuster, Chain	1				
14	006028	Washer, Flat 12 x 22 x 3.0	2				
15	002845	Sealplate- Chain Adjuster	1				
16	002844	Adjuster- Chain, Fixed Nylon	1				
17	501606	Washer, Flat 8 x 19 x 1.6	1				
18	501793	Nut, M8 Hex Nyloc x 8mm thick	1				



Cutting Cylinder Assembly
Standard & Low Cut Series

Item	Part No	Description	Qty	Item	Part No	Description	Qty
Low Cut Series				49 A	032006	Sprocket Assy-10/23	1
30	032035	B/Plate Brkt, Blade Assy L/Cut	1			(includes items 50,51,52,53,54 and 55A)	
		(includes items,31,32,33)		49 B	032223	Sprocket Assy-10/23	1
31	009862	*Bracket Assy Back plate 500	1			(includes items 50,51,52,53,54 and 55B)	
32	032021	*Blade- Baseplate 500, L/Cut	1	50	301345	*Set Screw, M8 x 45HT	1
33	008611	*Screw, CSK M8x10 Allen Head	8	51	503747	*Washer Spg 8	1
30	009855	Back Plate Brkt, Blade Assy 500	1	52	032002	*Sprocket 10T	1
		(includes items,31,32,33)		53	032005	*Key 5 x 5 x 16	1
31	009862	*Bracket Assy Back plate 500	1	54	032004	*Key 5 x 5 x 10	1
32	009873	*Blade, Baseplate 500	1	55 A	032045	*Sprocket Assy - 23 Key	1
33	008611	*Screw, CSK M8x10 Allen Head	8			(includes items 56,57,58A and 59)	
==				55 B	032222	*Sprocket Assy - 26 Key	1
						(includes items 56,57,58B and 59)	
34	501760	Set Screw, M10x20 Hex	3	56	502004	*Screw, Cap M6 x 12	3
34c A	501760	Set Screw, M10x20 Hex	1	57	500201	*Washer, Spg 6	3
34c B	502207	Set Screw, M10x20 (Short Head)	1	58 A	032003	*Sprocket 23T	1
35	503897	Washer, Spg 10	4	58 B	032174	*Sprocket 26T	1
36	501704	Washer, Flt 10x19x1.6	4	59	032001	*Boss Sprocket Key	1
37	002561	Plate- Seal, Chain case	1	60 A	002835	Chain- 0.23xP 3/8", 75P	1
40	032023	Housing- Assy Bearing, LH	1	61	731972	*Link- Chain 3/8"	1
41	032024	Housing- Assy Bearing, RH	1	60 B	032187	Chain- 0.23xP 3/8", 77P	1
42	006282	Bolt, Set NF 5/16"x4" Hex	2	61	731972	*Link- Chain 3/8"	1
43	007240	Nut, NF 5/16 Hex Nyloc Type "P"	2	62	004299	Chain- 0.205x P 1/2", 59P	1
44	002581	Spring- Baseplate	2	63	731971	*Link- Chain 1/2"	1
45	503273	Bearing, Ball 17x40x12 6203 2S	2	932088 Cylinder & Sprocket Assembly 500			1
46	002583	Seal- Felt	2				(Includes items 48 & 49A)
47	005211	Cover- Dust, Cylinder Bearing	2	This assembly is designed to replace the style of Cutting Cylinder that used a 5/8 UNF LH thread to attach the sprocket assembly.			
48	032014	Cylinder Assy Cutting-500, Keyed	1				

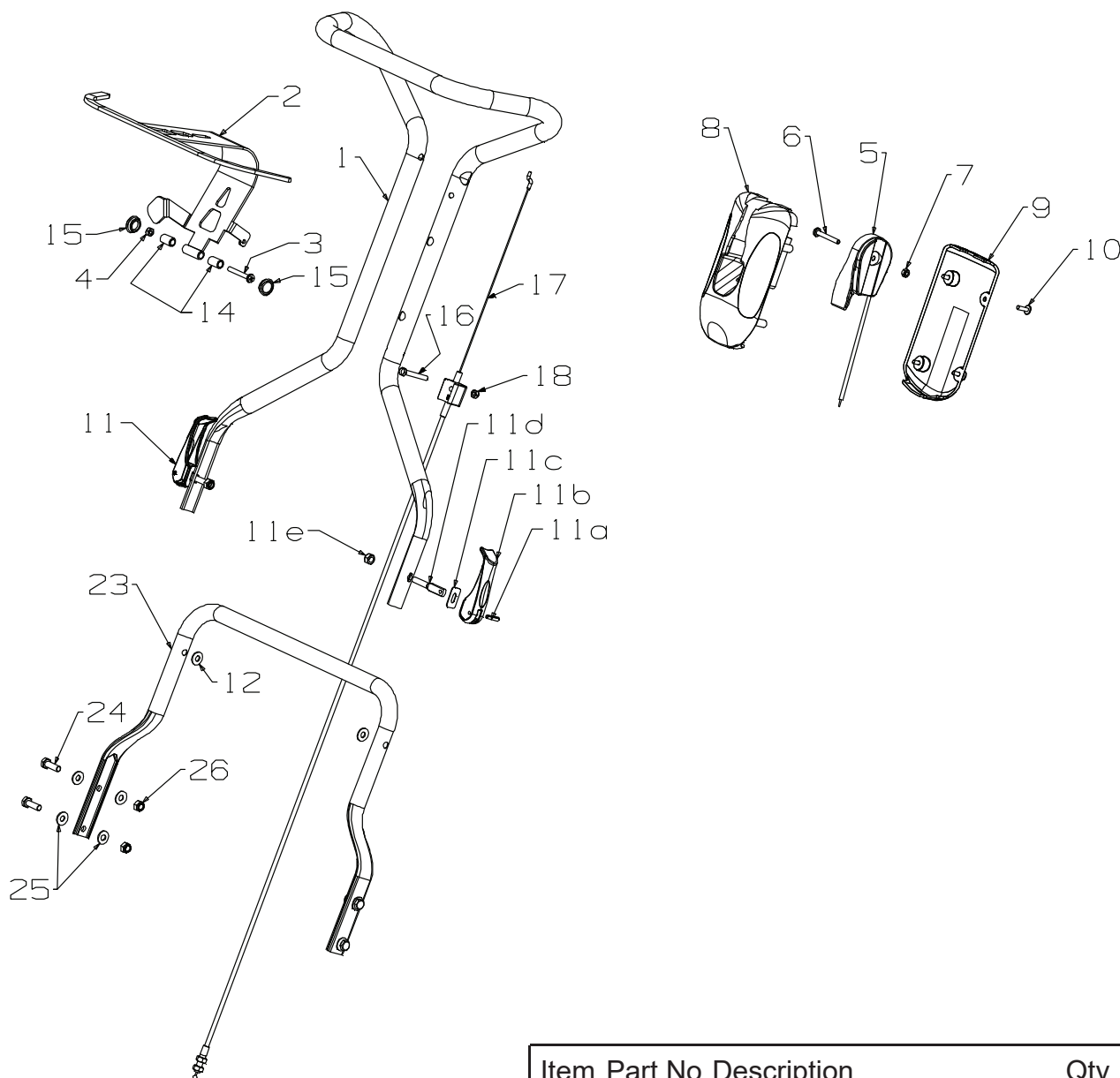


Item	Part No	Description	Qty	Item	Part No	Description	Qty
70	005014	Spindle & Bracket Assy 500	1	96	004984	*Bracket Assy- Adj, Front Roller	1
71	501598	*Set Screw, M8 x 25 Hex	1	97	004977	*Spindle Assy Front 500	1
72	501606	*Washer, Flat 8 x 19 x 1.6	1	98	007496	*Pin, Tension 6.0 x 30	1
73	004983	*Bracket- Front Roller, RH	1	99	501432	*Washer, Flat 20 x 33 x 4.0	9
74	501606	*Washer, Flat 8 x 19 x 1.6	1	100	031911	*Roller- Front Assy (1 Only)	5
75	503747	*Washer, Spg 8	1	100a	005478	**Cap- End 72.3	2
76	501602	*Nut, M8 Hex	1				
77	501597	*Set Screw, M8 x 20 Hex	1				
78	501606	*Washer, Flat 8 x 19 x 1.6	1				
79	501606	*Washer, Flat 8 x 19 x 1.6	1				
80	503747	*Washer, Spg 8	1				
81	501602	*Nut, M8 Hex	1				
82	574230	*Knob- Plastic, M8 Insert	1				
83	031910	*Spacer- Knob	1				
84	004973	*Plate- Slipper	1				
85	004988	*Spindle- Adj, Front Roller	1				
86	004691	*Spring- Height Adjust	1				
87	501606	*Washer, Flat 8 x 19 x 1.6	1				
88	004990	*Spindle, Trunnion	1				
89	032087	*Pin, Tension 3.0 x 16	1				
90	501606	*Washer, Flat 8 x 19 x 1.6	1				
91	503747	*Washer, Spg 8	1				
92	501602	*Nut, M8 Hex	1				
93	501598	*Set Screw, M8 x 25 Hex	1				
94	501606	*Washer, Flat 8 x 19 x 1.6	1				
95	004991	*Bush- Pivot, Front Roller	2				

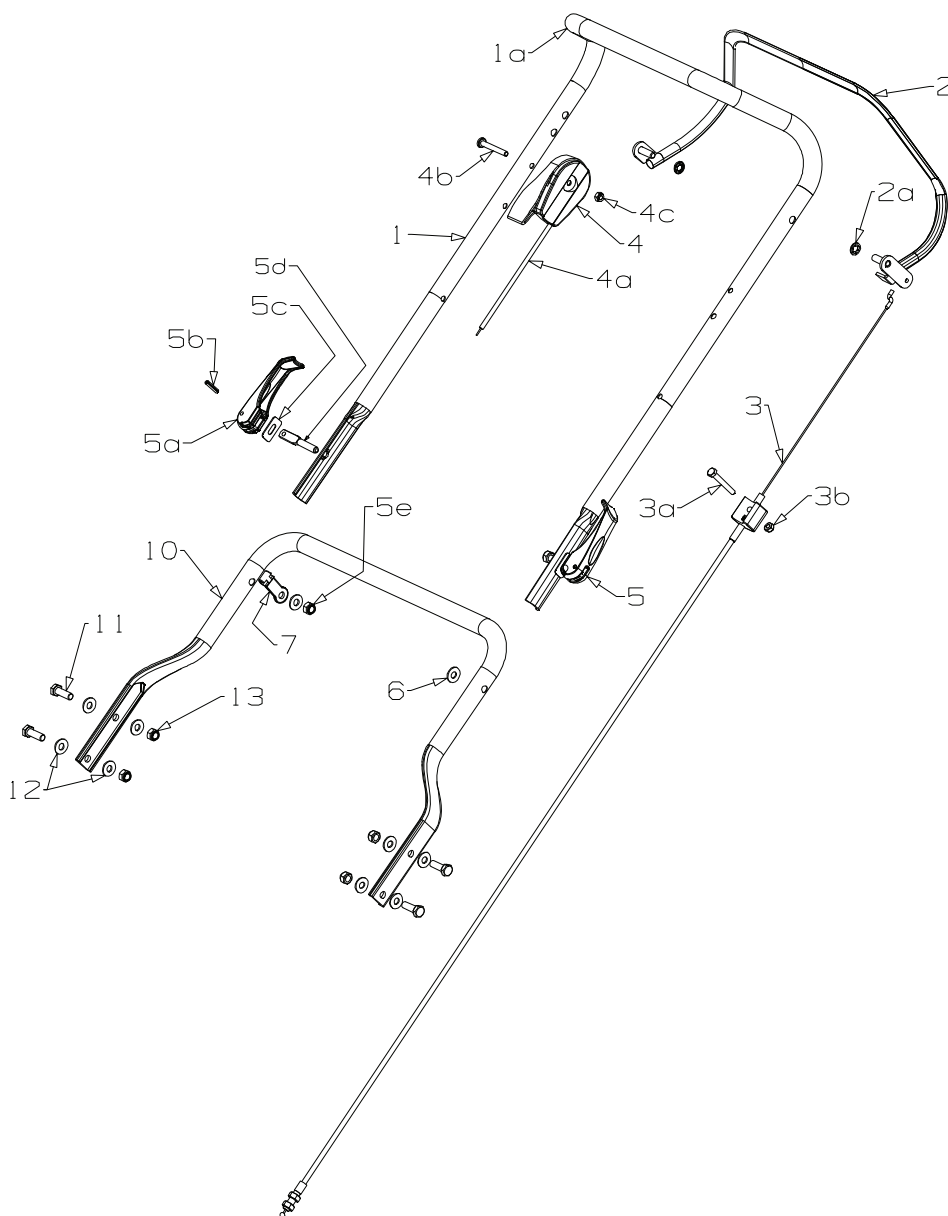
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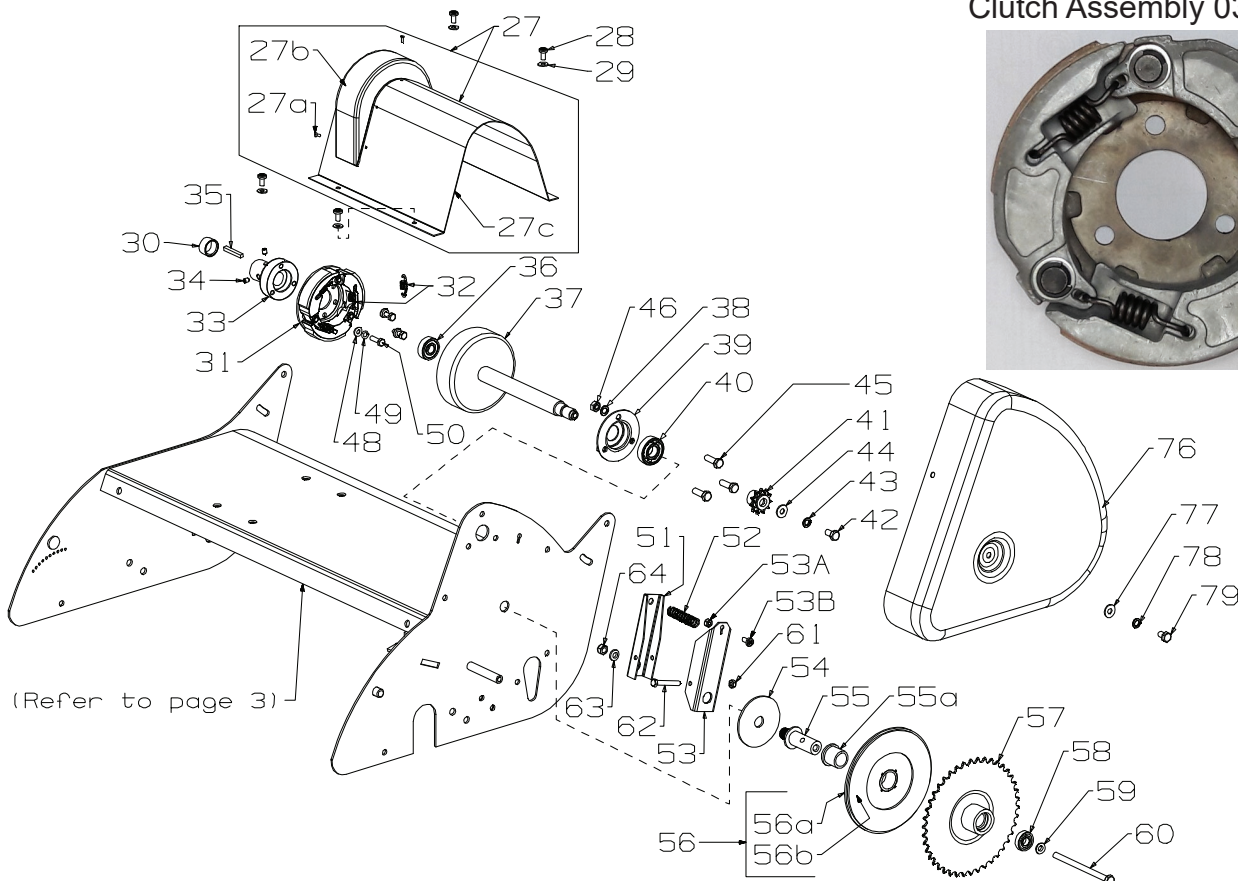


					Item Part No Description Qty			
Item Part No Description Qty					11d	583041	*Stud Handle Lock 61mm	1
1	731847	Handle & Sleeve	R/MWR	1	11e	501793	*Nut M8 Hex Nyloc x 8mm thick	1
2	979279	Bail Arm Assy, SP MSV	Red	1	12	501606	Washer, Flat 8 x 19 x 1.6	2
3	503883	Bolt Hex M8 x 100		1	14	583504	Pivot- Bail Arm	2
4	501793	Nut, M8 Hex Nyloc x 8mm thick		1	15	503882	Grommet Blanking 3/4”(19mm)	2
5	583458	Throttle Ctrl & Cable, Wescon		1	16	580160	Screw- Set, M6 x 50	1
6	503604	*Screw, Pan M6 x 45		1	17	031990	Cable- Clutch, Reel Mower	1
7	501764	*Nut, M6 Hex Nyloc x 6mm thick		1	18	501764	Nut, M6 Hex Nyloc x 6mm thick	1
8	983351	Mount Throttle, Top MSV		1	23	031849	Handle- Lower, 500	1
	583442	*Mount Throttle, Top Plain		1	24	501597	Screw, Set M8 x 20	4
9	583340	Cover Throttle Bottom		1	25	501606	Washer, Flat 8 x 19 x 1.6	8
10	503650	Screw; S/T #12x11/16”		4	26	501793	Nut, M8 Hex Nyloc x 8mm thick	4
11	779755	Cam Lock Assy-MSV (1 per)		2				
11a	503369	*Pin, Tension 5.0 x 22		1				
11b	582419	*Lever Handle Locking		1				
11c	016777	*Washer Slipper		1				



Item	Part No	Description	Qty	Item	Part No	Description	Qty
1/1a	773155	Handle & Sleeve R/Mwr	Sft/Blk 1	6	501606	Washer, Flat 8 x 19 x 1.6	2
2	982161	Bail Arm Assy, SP	Red 1	7	581527	Retainer- Clutch Cable	1
2a	501365	Clip- Starlock, 5/16"	2	10	031849	Handle- Lower, Reel Mower 500	1
3	031990	Cable- Clutch, Reel Mower	1	11	501597	Screw, Set M8 x 20 Hex	4
3a	503604	Screw, Pan M6 x 45	1	12	501606	Washer, Flat 8 x 19 x 1.6	4
3b	501764	Nut, M6 Hex Nyloc x 6mm thick	1	13	501793	Nut, M8 Hex Nyloc x 8mm thick	4
4/4a	583458	Throttle Ctrl & Cable Wescon	1				
4b	503604	*Screw, Pan M6 x 45	1				
4c	501764	*Nut, M6 Hex Nyloc x 6mm thick	1				
5	980456	Cam Lock Assembly (1 per)	2				
5a	580313	*Lever- Handle Locking	1				
5b	503369	*Pin, Tension 5.0 x 22	1				
5c	016777	*Washer- Slipper S/S	1				
5d	580690	*Stud- Handle Lock, 64mm	1				
5e	501793	*Nut, M8 Hex Nyloc x 8mm thick	1				

Clutch Assembly 032240

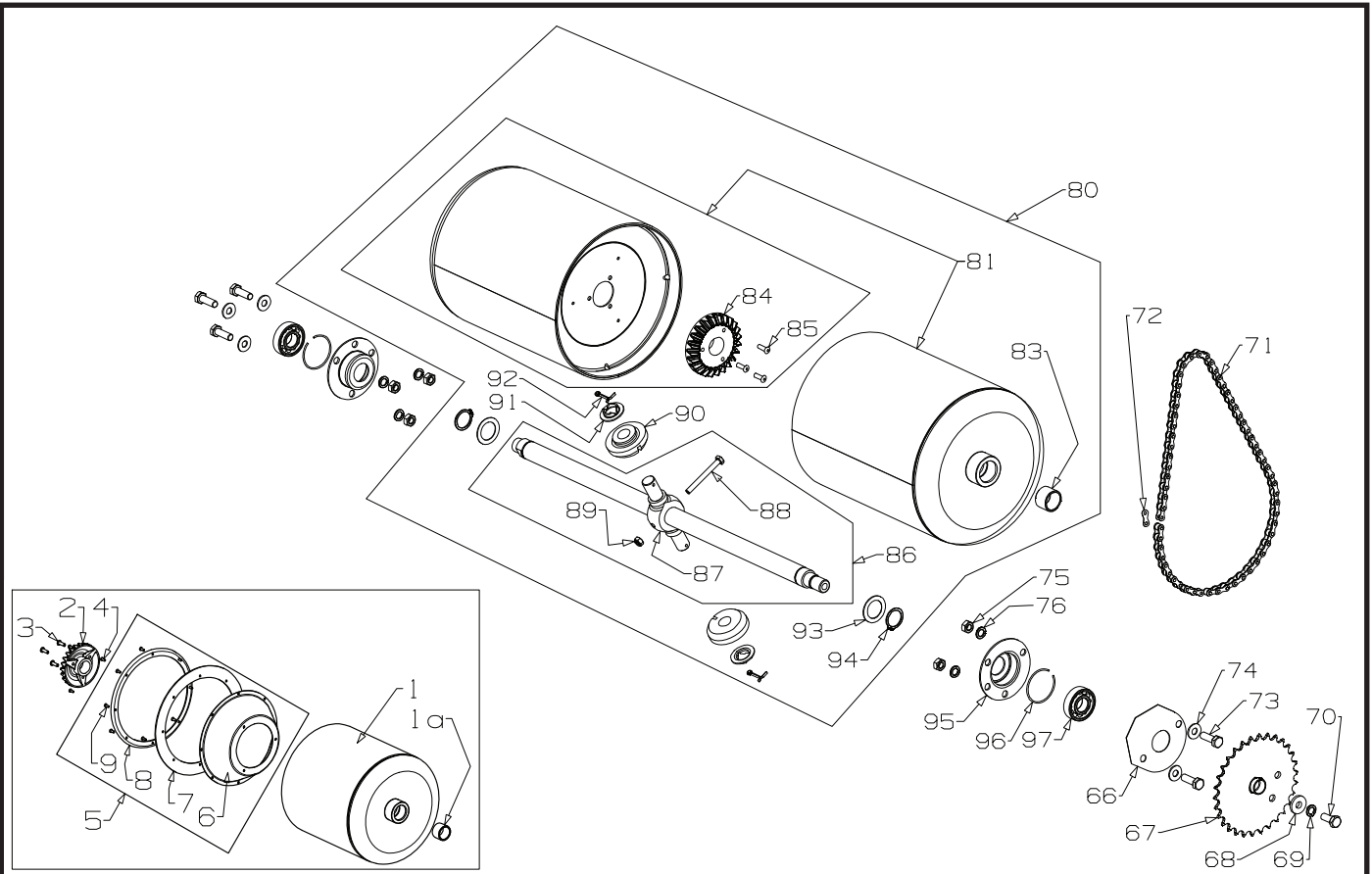


Item	Part No	Description	Qty	Item	Part No	Description	Qty
27	731589	Cover- Trans,500/660 GRN	1	50	503223	Screw, Set M6 x 16 HT8.8	3
27a	503429	*Rivet Pop 3.2 x 4.8 73AS4-3	4	51	031831	Lever- Clutch	1
27b	031907	*Cover Trans Moulded	1	52	031845	Spring- Clutch	1
27c	031589	*Cover- Trans, 500/600 Green	1	53	031830	Lever Carrier- Clutch	1
28	503591	Screw, Set M6 x 12	4	53a	501764	Nut, M6 Hex Nyloc x 6mm thick	1
29	501703	Washer, Flat 6 x 14 x 1.2	4	53b	503591	Screw- Pan M6 x 12	1
30	031958	Spacer- Drive Shaft, 13mm	1	54	031843	Washer. Flat 16.5 x 75 x 3.0	1
31	032240	Clutch- Drive Assy V2	1	55	031840	Post- Clutch	1
32	*005634	Clutch Spring	3	55a	031833	Bush- Back Plate	1
33	032241	Boss- Clutch, 19 Dia	1	56	031988	Sprocket-11T, Clutch Disk	1
33	032242	Boss- Clutch, 20 Dia	1	56a	031986	*Sprocket- Clutch Plate Assy	1
34	501719	Screw, Grub M6 x 8	2	56b	031987	*Liner- Clutch Face Cork	1
35	536178	Key- Cutter 3/16" square x 24	1	57	031963	Sprocket- 42T, Plate & Boss Assy	1
35	536012	Key- Engine 3/16" square x 38	1	58	503901	Bearing, Ball 12x28x8 6001 2RSH	1
36	501213	Bearing, Ball 12x32x10 6201 2RS	1	59	031965	Washer- Centralizing Brass	1
37	032260	Drum Assy, Clutch 500/660	17	60	503938	Bolt, M8 x 120 Hex	1
38	503747	Washer, Spg 8	3	61	501764	Nut, M6 Hex Nyloc x 6mm thick	1
39	002834	Housing- Bearing	1	62	580160	Screw, Set M6 x 50 Hex	1
40	503273	Bearing-Ball 17x40x12 6203 2S	1	63	031842	Washer, Thrust	1
41	002818	Sprocket- 11T, Drive	1	64	501793	Nut, M8 Hex Nyloc x 8mm thick	1
42	501715	Screw, Set M8 x 15 x 1mm Pitch	1	76	031585	Cover - Chain Case, Green	1
43	503747	Washer, Spg 8	1	77	501606	Washer, Flat 8 x 19 x 1.6	1
44	501606	Washer, Flat 8 x 18 x 1.6	1	78	503747	Washer, Spg 8	1
45	501597	Screw, Set M8 x 20 Hex	3	79	501863	Screw Set, M8 x 12	1
46	501602	Nut, M8 Hex	3				
48	501703	Washer, Flat 6 x 14 x 1.2	3				
49	500201	Washer, Spg 6	3				

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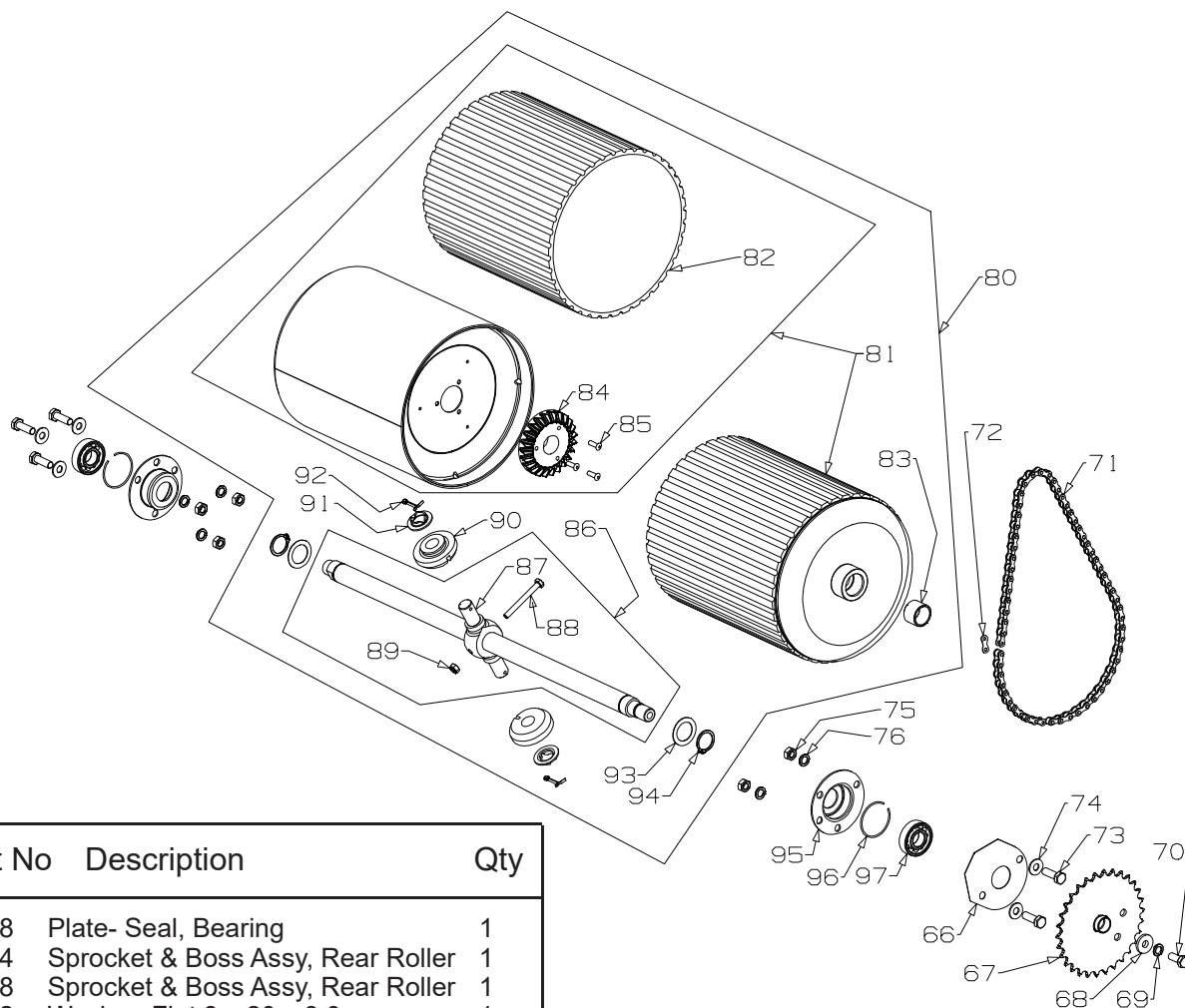


Item	Part No	Description	Qty	Item	Part No	Description	Qty
66	002618	Plate- Seal, Bearing	1	95	000409	Housing-Bearing	2
67 A	002604	Sprocket & Boss Assy, Rear Roller	1	96	004292	Ring- Bearing Housing	2
67 B	032188	Sprocket & Boss Assy, Rear Roller	1	97	503273	Bearing-Ball 17x40x12 6203 2S	2
68	503872	Washer, Flat 8 x 20 x 3.0	1	031919 Roller- Rear, Half LH 500 Black			
69	503747	Washer, Spg 8	1	1	002701	Roller- Rear, Half 500 Plain	1
70	501717	Screw, Set M8 x 20 x 1mm Pitch	1	1a	007616	Bush- Rear Roller	1
71 A	004929	Chain, 3/16" x 1/2, 40P	1	2	002707	Gear- Bevel, 24T	1
72	731971	*Link, Chain 1/2	1	3	503399	Rivet- Pop 4.8 x 12.7 73SS6-8	3
71 B	032186	Chain, 3/16" x 1/2, 42P	1	4	503429	Rivet- Pop 3.2 x 4.8 73AS4-3	3
72	731971	*Link, Chain 1/2	1	5	002714	Rear Roller Seal Assembly	1
73	501597	Screw, Set M8 x 20	5	6	004845	*Carrier- Seal, Rear Roller	1
74	501606	Washer, Flat 8 x 19 x 1.6	5	7	004847	*Seal- Rear Roller	1
75	501602	Nut, M8 Hex	5	8	004846	*Ring- Support, Rear Roller	1
76	503747	Washer, Spg 8	5	9	503429	*Rivet- Pop 3.2 x 4.8 73AS4-3	8
80	031918	Roller- Rear, Assemble (Black)	1				
81	031955	*Roller- Rear, Half (Painted)	2				
83	007616	*Bush- Rear Roller	1				
84	002707	*Gear-Bevel, 24t	1				
85	503399	*Rivet-Pop, 4.8 x 13 73 SS 6-8	3				
86	008947	*Spindle-Rear Roller 500	1				
87	008943	*Carrier- Bevel Pinion	1				
88	567292	*Bolt-Hex M6 x 55 HT 8.8	1				
89	501764	*Nut, M6 Hex Nyloc x 6mm thick	1				
90	002708	*Pinion-Bevel, 14T	2				
91	008944	*Collar	2				
92	007473	*Split Pin, 3.0dia x 30	2				
93	002732	*Washer-Flat, 22 x 40 x 2	2				
94	007260	*Circlip- 7/8" ext	2				

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008873 Roller- Rear, Half LH 500 Sleeved

Item	Part No	Description	Qty
66	002618	Plate- Seal, Bearing	1
67 A	002604	Sprocket & Boss Assy, Rear Roller	1
67 B	032188	Sprocket & Boss Assy, Rear Roller	1
68	503872	Washer, Flat 8 x 20 x 3.0	1
69	503747	Washer, Spg 8	1
70	501717	Screw, Set M8 x 20 x 1mm Pitch	1
71 A	004929	Chain, 3/16" x 1/2, 40P	1
72	731971	*Link, Chain 1/2	1
71 B	032186	Chain, 3/16" x 1/2, 42P	1
72	731971	*Link, Chain 1/2	1
73	501597	Screw, Set M8 x 20	5
74	501606	Washer, Flat 8 x 19 x 1.6	5
75	501602	Nut, M8 Hex	5
76	503747	Washer, Spg 8	5
80	008875	Roller- Rear, Assemble (Sleeved)	1
81	031952	*Roller- Rear, Half (Sleeved)	2
82	004619	*Sleeve- Rubber, Rear Roller 500	1
83	007616	*Bush- Rear Roller	1
84	002707	*Gear-Bevel, 24t	1
85	503399	*Rivet-Pop, 4.8 x 13 73 SS 6-8	3
86	008947	*Spindle-Rear Roller Assy 500	1
87	008943	*Carrier-Bevel Pinion	1
88	567292	*Bolt-Hex M6 x 55 HT 8.8	1
89	501764	*Nut, M6 Hex Nyloc x 6mm thick	1
90	002708	*Pinion-Bevel, 14T	2
91	008944	*Collar	2
92	007473	*Split Pin, 3.0dia x 30	2
93	002732	*Washer-Flat, 22 x 40 x 2	2
94	007260	*Circlip- 7/8" ext	2
95	000409	Housing-Bearing	2
96	004292	Ring-Bearing Housing	2
97	503273	Bearing-Ball 17x40x12 6203 2S	2

1	002701	Roller- Rear, Half 500 Plain	1
1a	007616	Bush- Rear Roller	1
2	002707	Gear- Bevel, 24T	1
3	503399	Rivet- Pop 4.8 x 12.7 73SS6-8	3
4	503429	Rivet- Pop 3.2 x 4.8 73AS4-3	3
5	002714	Rear Roller Seal Assembly	1
6	004845	*Carrier- Seal, Rear Roller	1
7	004847	*Seal- Rear Roller	1
8	004846	*Ring- Support, Rear Roller	1
9	503429	*Rivet- Pop 3.2 x 4.8 73AS4-3	8
10	004619	Sleeve- Rubber, Rear Roller 500	1

