

# **BEFCO®**

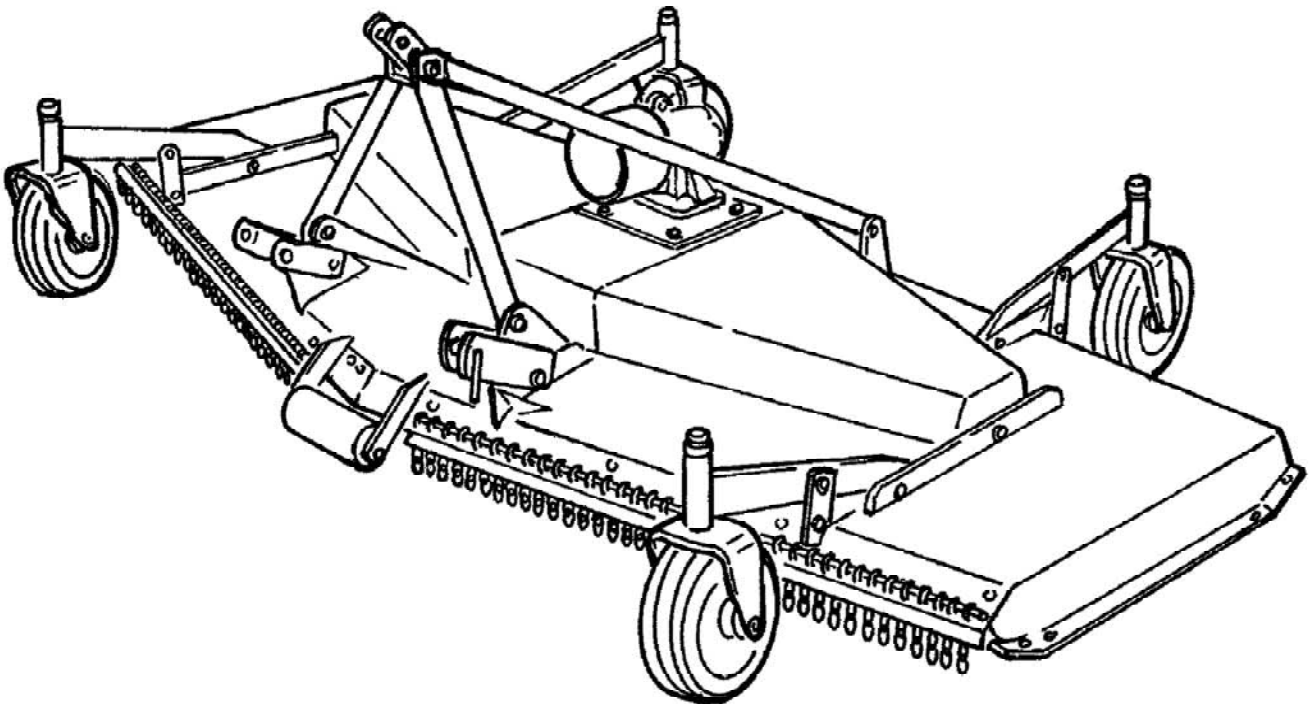
## **Parts Manual**

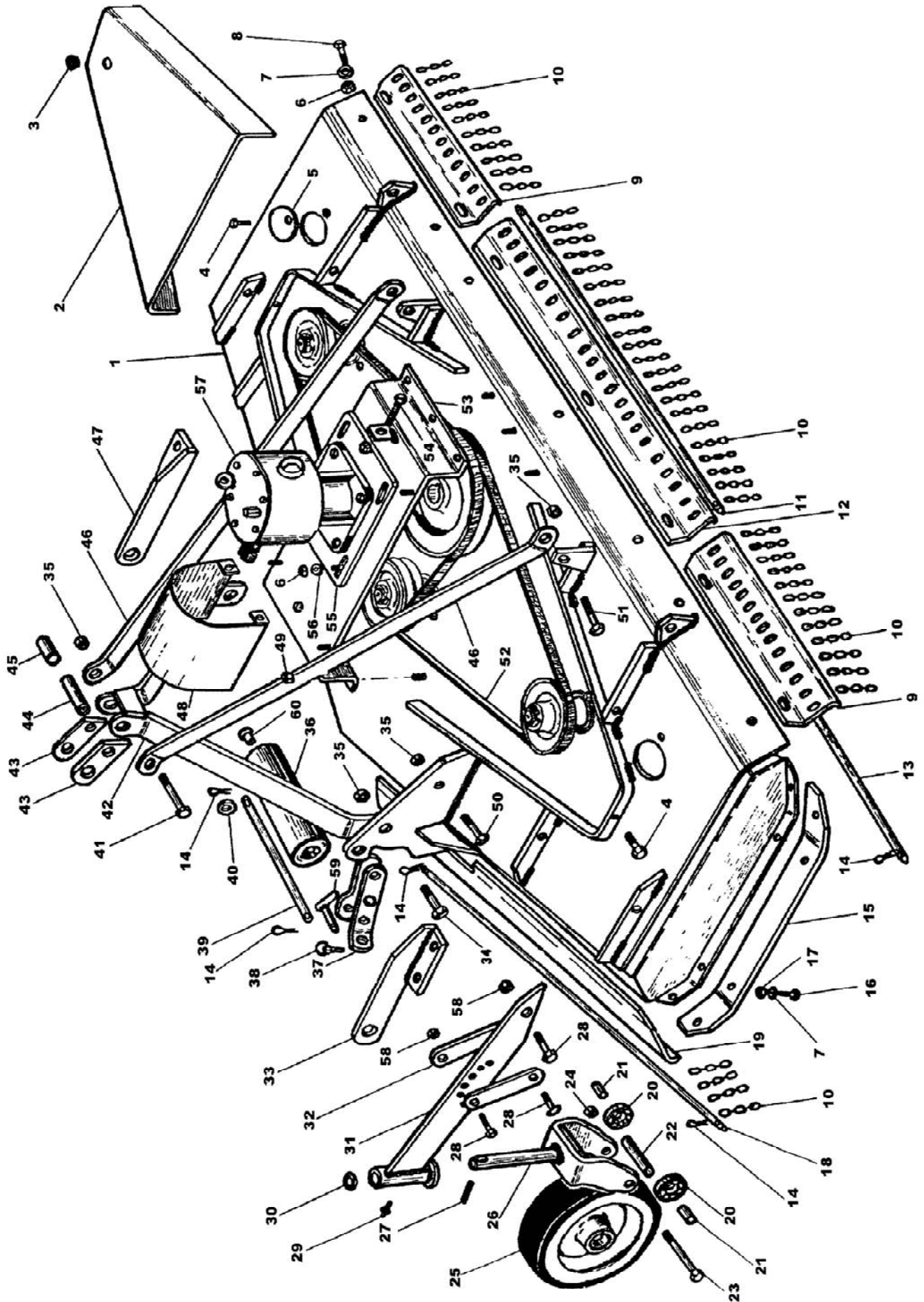
### **CYCLONE SERIES 3**

**Three Spindle Grooming Mower**

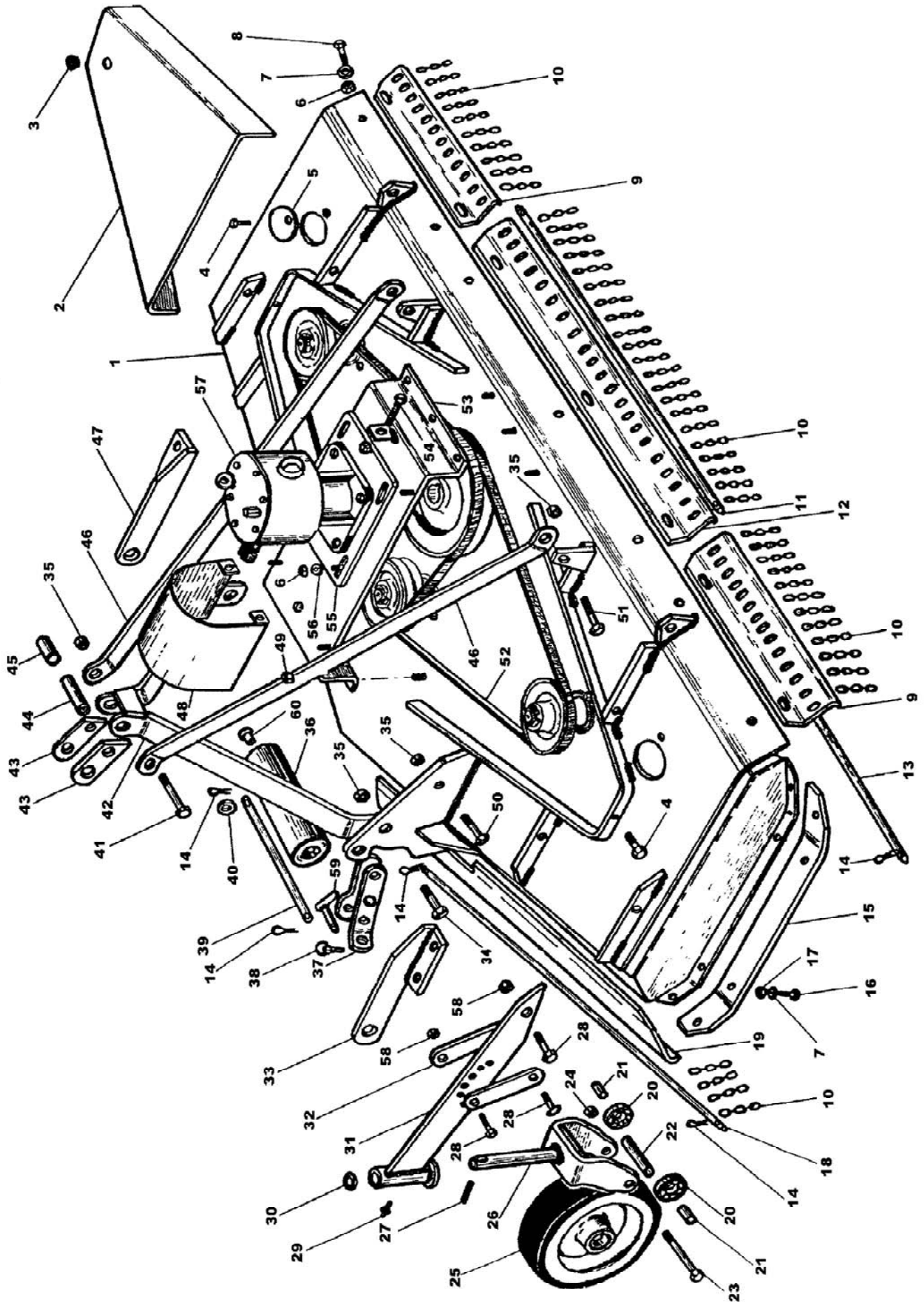
**090-711, 110-711**

**090-712, 110-712**



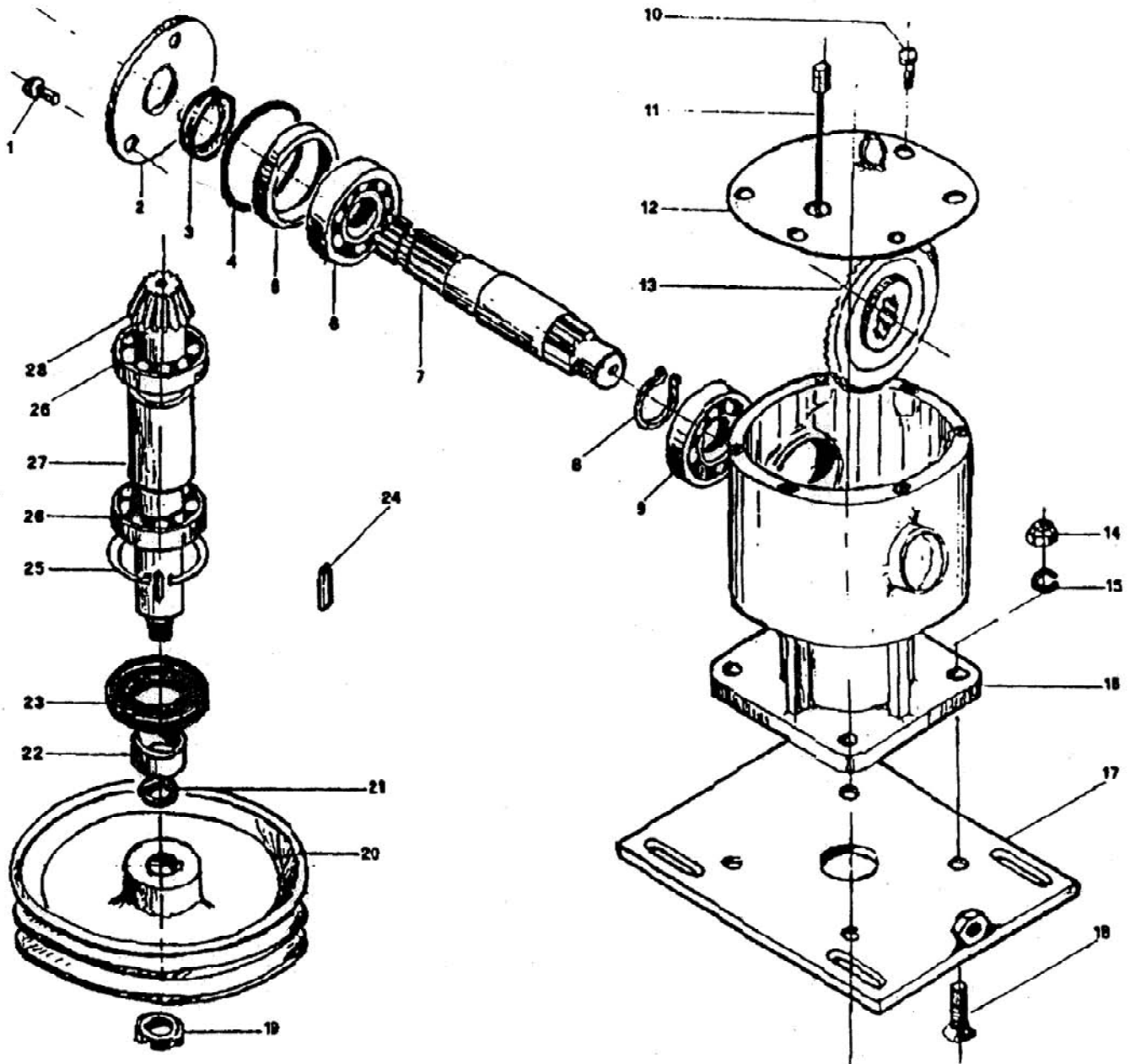


Ref.	Part #	Description	Qty.
1	004-4002	Frame 090	1
	004-4502	Frame 110	1
2	004-4161	Belt protection 090	2
	004-4571	Belt protection 110	2
3	000-6647	Plastic cap	3
4	000-3037	Bolt HH M12-1.75x25 C8.8 Z F	9
5	004-4091	Cover	3
6	001-3345	Nut ES M12-1.75 Z TK	-
7	000-2265	Washer, flat Ø12 Z	-
8	004-4146	Bolt CR M12-1.75x25 C8.8 Z	-
9	004-4144	Side protection, rear 090	2
	004-4554	Side protection, rear 110	2
10	004-4158	Chain	-
11	004-4152	Rear pivot 090	1
	004-4563	Rear pivot 110	1
12	004-4143	Central protection, rear 090	1
	004-4553	Central protection, rear 110	1
13	004-4153	Rear pivot left 090	1
	004-4562	Rear pivot left 110	1
14	004-4156	Cotter pin Ø4x25	6
15	004-4021	Side skid 090	2
	004-4531	Side skid 110	2
16	004-4023	Bolt CS M12-1.75x30 C10.9 Z F	8
17	000-1106	Nut HH M12-1.75 C6 Z MD	8
18	004-4151	Front pivot 090	2
	004-4561	Front pivot 110	2
19	004-4141	Front protection 090	2
	004-4551	Front protection 110	2
20	000-6634A	Bearing, hard tire 6205-Z	8
	502-406B	Bearing, air tire	8
	502-407B	Retainer, air tire	8
21	004-4133	Wheel spacer	8
22	004-4138	Wheel spacer, hard tire	4
	502-121B	Wheel spacer, air tire	4
23	004-4135	Bolt HH M14-2.00x170 C8.8 Z P, hard tire	4
	502-122B	Bolt, air tire	4
24	003-0358	Nut PT M14-2.00 C6 Z TK, hard tire	4
	502-123B	Nut, air tire	4
25	004-4131	Hard tire	4
	502-120B	Air tire	4
26	004-4121	Wheel yoke, hard tire (short shaft); 090-711 & 110-711	4
	004-4125	Wheel yoke, hard tire (long shaft); 090-712 & 110-712	4
	004-4129	Spacer 1", for wheel yoke with long shaft; 090-712 & 110-712	4
	004-4130	Spacer ½", for wheel yoke with long shaft; 090-712 & 110-712	4
	004-4117	Wheel yoke, air tire	4
27	000-5521	Roll pin Ø10x45	4
	502-542B	Lynch pin	4
28	000-6594	Bolt CR M12-1.75x45 C8.8 Z	8
	004-4112	Bolt CR M12-1.75x55 C8.8 Z	4
29	000-1065	Grease fitting M10-1.00	4
30	004-4128	Spacer washer	4



Ref.	Part #	Description	Qty.
31	004-4101	Wheel arm (6 holes), for short shaft wheel yoke; 090-711 & 110-711 <sup>1</sup>	4
	004-4107	Wheel arm (3 holes), for long shaft wheel yoke; 090-712 & 110-712	4
32	004-4111	Wheel regulate lever	8
33	024-4031	Roller support left; #146999 & below	1
	044-4031	Roller support left; #147000 & above	1
34	003-3218	Bolt HH M16-2.00x55 C8.8 Z P	2
35	000-5581	Nut PT M16-2.00 C6 Z TK	7
36	004-4038	Front roller	1
37	004-4073	Hitch block	2
	501-743B	Hitch block, extended plate (option)	2
38	001-8266	Lynch pin	2
39	004-4039	Roller pin	1
40	000-8568	Washer, flat Ø16	1
41	000-6891	Bolt HH M16-2.00x140 C8.8 Z P	1
42	004-4061	Three point hitch	1
43	004-4069	Upper plate	2
44	004-4067	Inner spacer	1
45	000-6558	Outer spacer	1
46	004-4081	Top hitch arm 090	2
	004-4545	Top hitch arm 110	2
47	014-4031	Roller support right; #146999 & below	1
	034-4031	Roller support right; #147000 & above	1
48	000-8663	Shaft protection	1
49	003-0064	Nut PT M12-1.75 C6 Z TK	6
50	000-6578	Bolt HH M16-2.00x45 C8.8 Z F	2
51	003-2687	Bolt HH M16-2.00x40 C8.8 Z F	2
52	004-4253	Belt CX 98 (090-711, 090-712)	2
	004-4595	Belt CX 110 (110-711, 110-712)	2
53	004-4171	Central plate 090	1
	004-4581	Central plate 110	1
54	000-6547	Bolt HH M12-1.75x100 C8.8 Z F	1
55	004-4187	Gearbox support plate	1
56	007-6106	Washer, flat Ø12	4
57	050-0608	Gearbox complete	1
58	009-4139	Nut ES M12-1.75 Z TN	8
59	004-4078	Hitch pin	2
60	004-4040	Bushing	2

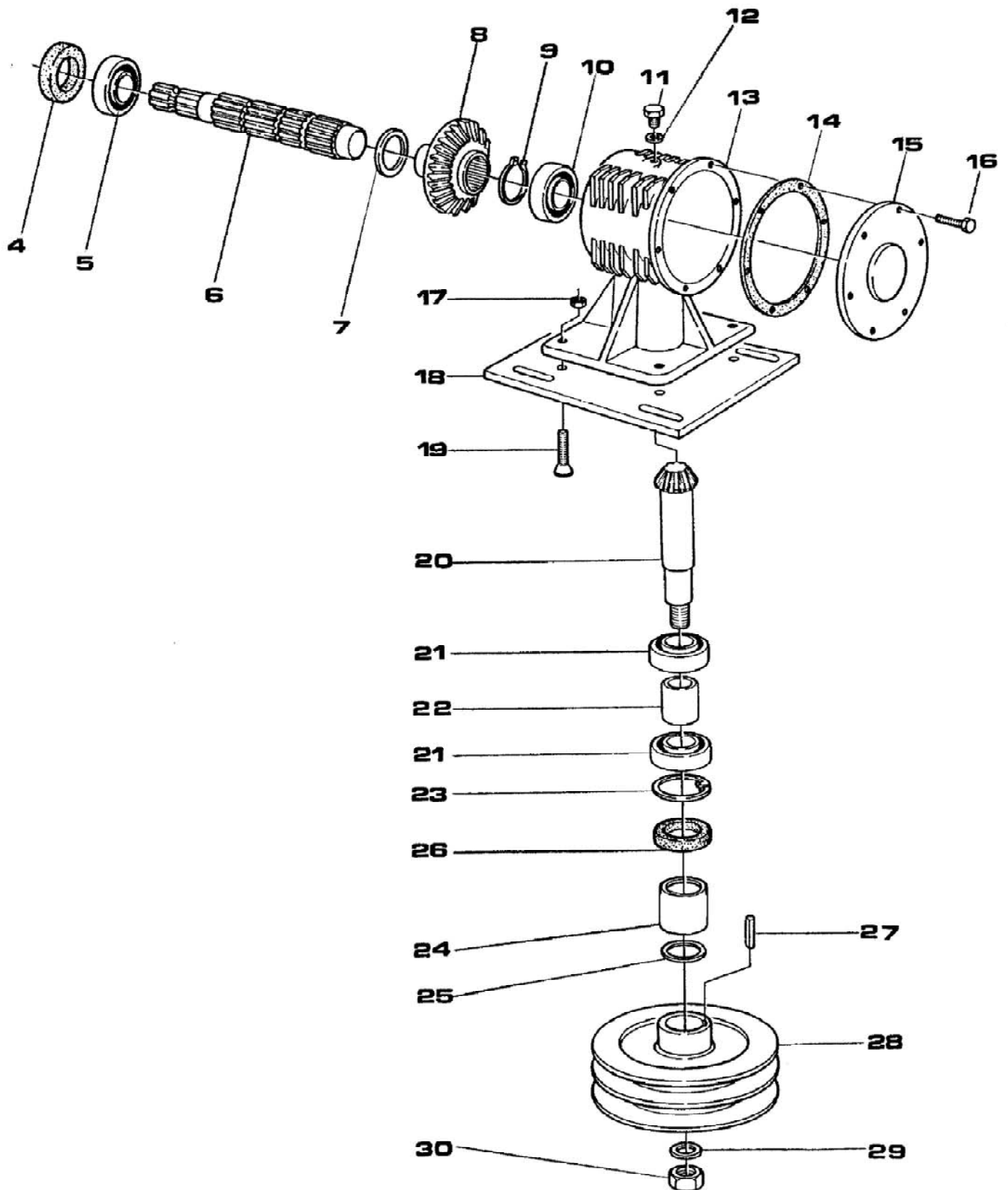
<sup>1</sup> Part no longer available, substitute with part #004-4107, drilling required to add 3 holes and obtain all cutting height adjustments.



Ref.	Part #	Description	Qty.
1	000-1046	Bolt HH M10-1.50x20 C8.8 N F	3
2	000-5567	Cover, front	1
3	000-2295	Oil seal 35.62.10	1
4	000-7181	Gasket OR 740	1
5	004-4213	Spacer, front	1
6	000-7172	Bearing 30207	1
7	000-5556	Input shaft	1
8	004-2122	Snap ring, outer Ø35	1
9	004-4217	Bearing 30305	1
10	000-5588	Bolt HH M10-1.50x16 C8.8 N F	6
11	000-5586	Dipstick for gearbox #050-0542	1
12	000-6675	Gearbox cover BRE 339 <sup>2</sup> ; serial #143148 & below	1
13	004-4221	Ring gear	1
14	000-1106	Nut HH M12-1.75 C6 Z MD	4
15	000-1077	Washer, lock Ø12 Z	4
16	000-6654	Gearbox housing BRE 339; serial #143148 & below	1
17	004-4187	Gearbox plate support	1
18	002-0227	Bolt CS M12-1.75x45 C10.9 Z F	4
19	003-0095	Locking ring ES GUK M30-1.50	1
20	004-4251	Pulley C/280x2 (090)	1
	004-4593	Pulley C/250x2 (110)	1
21	000-5969	Gasket OR 3156	1
22	004-4245	Spacer	1
23	000-1155	Oil seal 50.80.10	1
24	004-4244	Key 8x7x40	1
25	000-1154	Snap ring, inner Ø80	1
26	001-2149	Bearing 6208	2
27	000-6687	Spacer	1
28	004-4222	Pinion gear	1
	050-0542	Gearbox complete; #143148 & below <sup>3</sup>	-

<sup>2</sup> Substitutes part #004-4225.

<sup>3</sup> Complete gearbox interchangeable with part #050-0614.



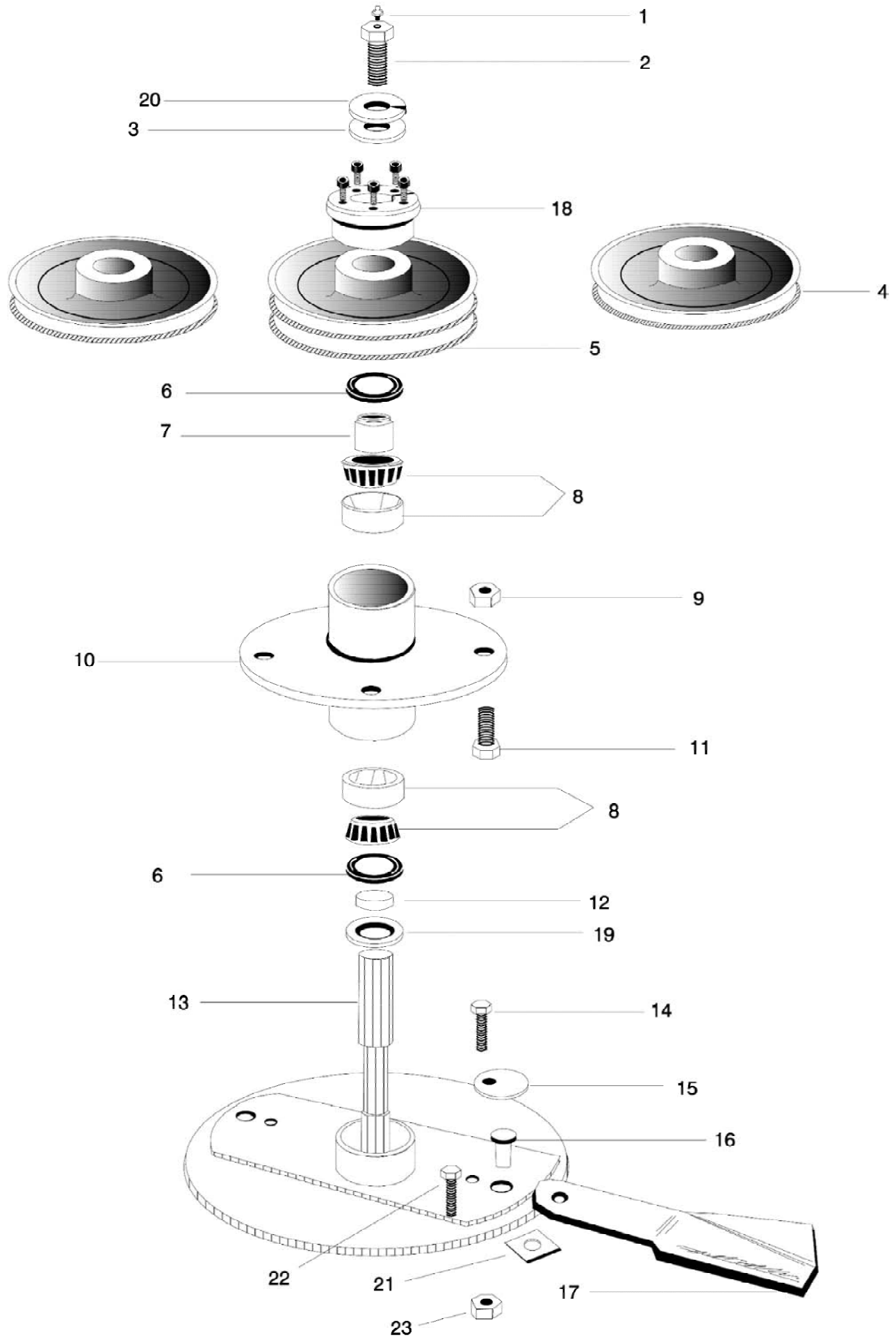


## 090-712, 110-712 SERIAL #143149 &amp; ABOVE

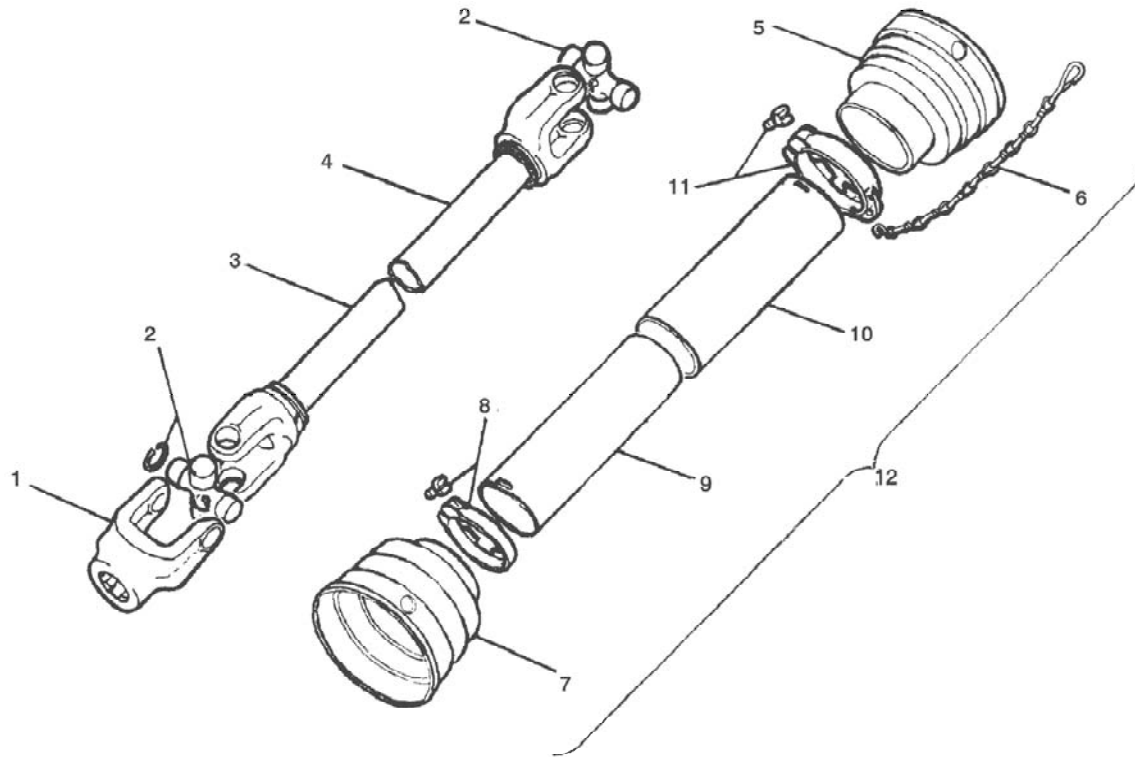
Ref.	Part #	Description	Qty.
4	000-2295	Oil seal 35.62.10	1
5	000-7172	Bearing 30207	1
6	000-5556	Input shaft	1
7	004-4223	Spacer washer	1
8	004-4221	Ring gear	1
9	004-2122	Snap ring, outer Ø35	1
10	004-4217	Bearing 30305	1
11	000-5586	Dipstick for gearbox #050-0565	1
	000-1107A	Breather cap for gearbox #050-0608	1
12	000-6691	Gasket	1
13	000-6652	Gearbox housing without fins BRE 354	1
	000-6658	Gearbox housing with fins ROTO 102	1
14	003-0193	Gasket (0.012)	-
	013-0193	Gasket (0.028)	-
15	000-6653	Gearbox cover for gearbox without fins BRE 354	1
	000-6656	Gearbox cover for gearbox with fins ROTO 102	1
16	000-1046	Bolt HH M10-1.50x20 C8.8 N F	6
17	003-0064	Nut PT M12-1.75 C6 Z TK	4
18	004-4187	Gearbox support plate	1
19	000-2078	Bolt CS M12-1.75x40 C8.8 Z F	4
20	004-4222	Pinion gear	1
21	001-2149	Bearing 6208	2
22	000-6687	Spacer	1
23	000-1154	Snap ring, inner Ø80	1
24	004-4245	Spacer	1
25	000-5969	Gasket OR 3156	1
26	000-1155	Oil seal 50.80.10	1
27	004-4244	Key 8x7x40	1
28	004-4251	Pulley C/280x2 (090-712)	1
	004-4593	Pulley C/250x2 (110-712)	1
29	006-6039	Washer, flat Ø31	1
30	003-0095	Locking ring ES GUK M30-1.50	1
	050-0565	Gearbox complete without fins <sup>4</sup>	-
	050-0608	Gearbox complete with fins <sup>5</sup>	-

<sup>4</sup> Complete gearbox interchangeable with part #050-0614.

<sup>5</sup> Complete gearbox interchangeable with part #050-0614.

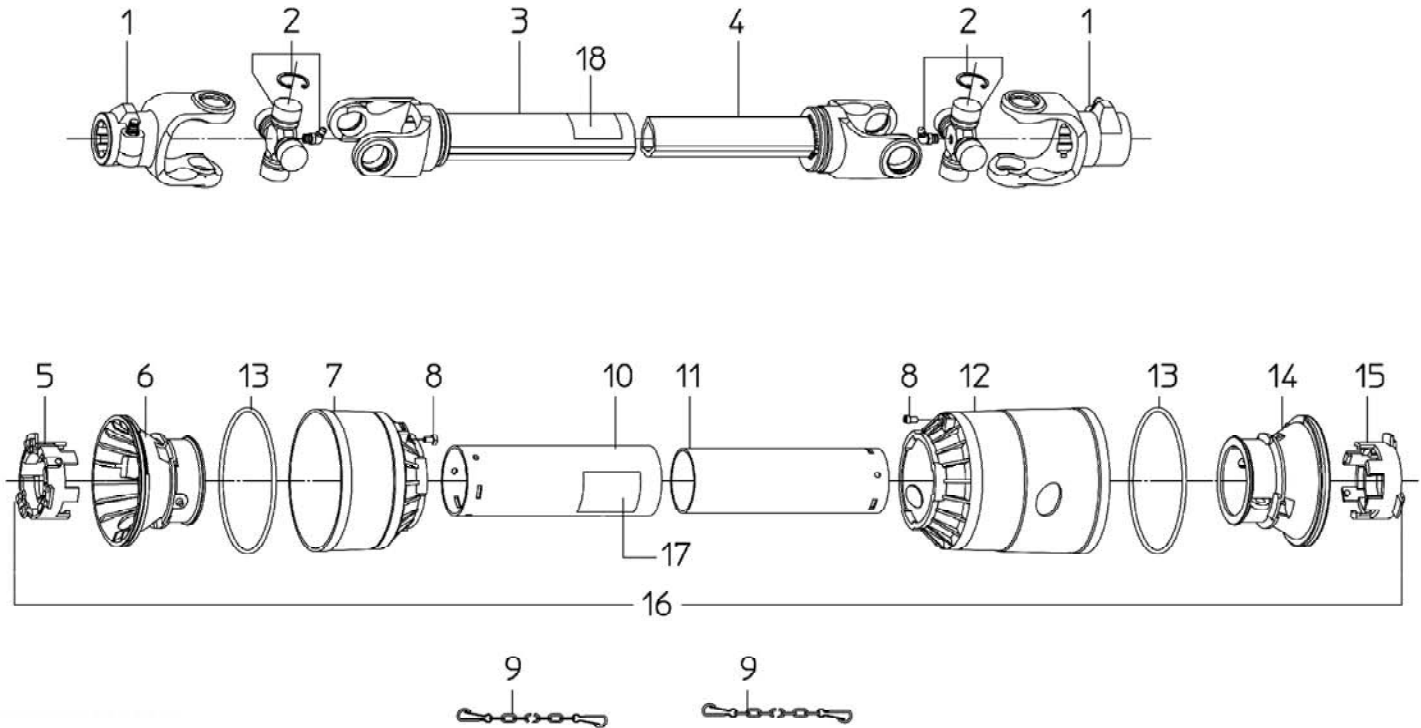


Ref.	Part #	Description	Qty.
1	000-6635	Grease fitting Ø6, press in	3
2	004-4274	Banjo bolt M14x25	3
3	004-4275	Washer, flat Ø14x42x3	6
4	004-4266	Pulley C/200x1	2
5	004-4265	Pulley C/200x2	1
6	000-1059	Oil seal 45.65.10	6
7	004-4277	Spacer	3
8	004-4281	Bearing 32007	6
9	003-0064	Nut PT M12-1.75 C6 Z TK	12
10	004-4285	Rotor support	3
11	004-6333	Bolt HH M12-1.75x45 C8.8 N F	12
12	004-4283	Spacer	3
13	004-4301	Rotor blade holder	3
14	000-3037	Bolt HH M12-1.75x25 C8.8 Z F	6
15	003-0067	Washer with holes	6
16	004-4315	Pin	6
17	004-4318	Blade 090	6
	004-4598	Blade 110	6
18	005-0117	Split lock bushing	3
19	006-6039	Washer, flat Ø31x63x5	3
20	000-1020	Washer, lock Ø14 Z	3
21	004-4317	Blade stop plate	6
22	000-7255	Bolt HH M12-1.75x35 C8.8 Z F	6
23	003-0064	Nut PT M12-1.75 C6 Z TK	6
	004-4290	Spindle, complete	3



Ref.	Part #	Description	Qty.
1	024-001E	PTO yoke <sup>6</sup>	2
2	014-130E	Cross & bearing <sup>7</sup>	2
3	240-931E	Inner tube & yoke 1050	1
4	241-035E	Outer tube & yoke 1050	1
5	013-016E	Guard cone, outer	1
6	016-025E	Safety chain <sup>8</sup>	1
7	013-028E	Guard cone, inner	1
8	013-011E	Locking collar, inner	1
9	141-275E	Shield, inner	1
10	141-179E	Shield, outer	1
11	013-012E	Locking collar, outer	1
12	240-255E	Shield complete	1
	948-137B	Driveline complete <sup>9</sup>	-

<sup>6</sup> Yoke interchangeable with part #1024010C.  
<sup>7</sup> Cross & bearing interchangeable with part #1004020C.  
<sup>8</sup> Safety chain interchangeable with part #1006065C.  
<sup>9</sup> Complete driveline interchangeable with part #050-0416.



Ref.	Part #	Description	Qty.
1	1024010C	PTO yoke	2
2	1004020C	Cross & bearing	2
3	1944070NC	Outer tube & yoke	1
4	1954072NC	Inner tube & yoke	1
5	1784210C	Locking ring, outer tube	1
6	1784201C	Rigid cone, outer tube	1
7	1784203C	Standard cone (tractor end)	1
8	1784212C	Pin	2
9	1006065C	Chain	2
10	1773068C	Shield, outer tube	1
11	1872068C	Shield, inner tube	1
12	1784205C	Long cone (implement end)	1
13	1213233C	Stiffening ring	2
14	1784202C	Rigid cone, inner tube	1
15	1784211C	Locking ring, inner tube	1
16	90SL4068C	Complete shielding <sup>10</sup>	1
17	950-463B	Decal "DANGER - Rotating driveline, keep away" outer shield	1
18	950-464B	Decal "DANGER - Guard missing, do not operate" outer tube	1
	050-0416	Driveline complete	-

<sup>10</sup> Complete shielding interchangeable with part # 96SL4068C.



## **Use only original spare parts**

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