

CONTENTS

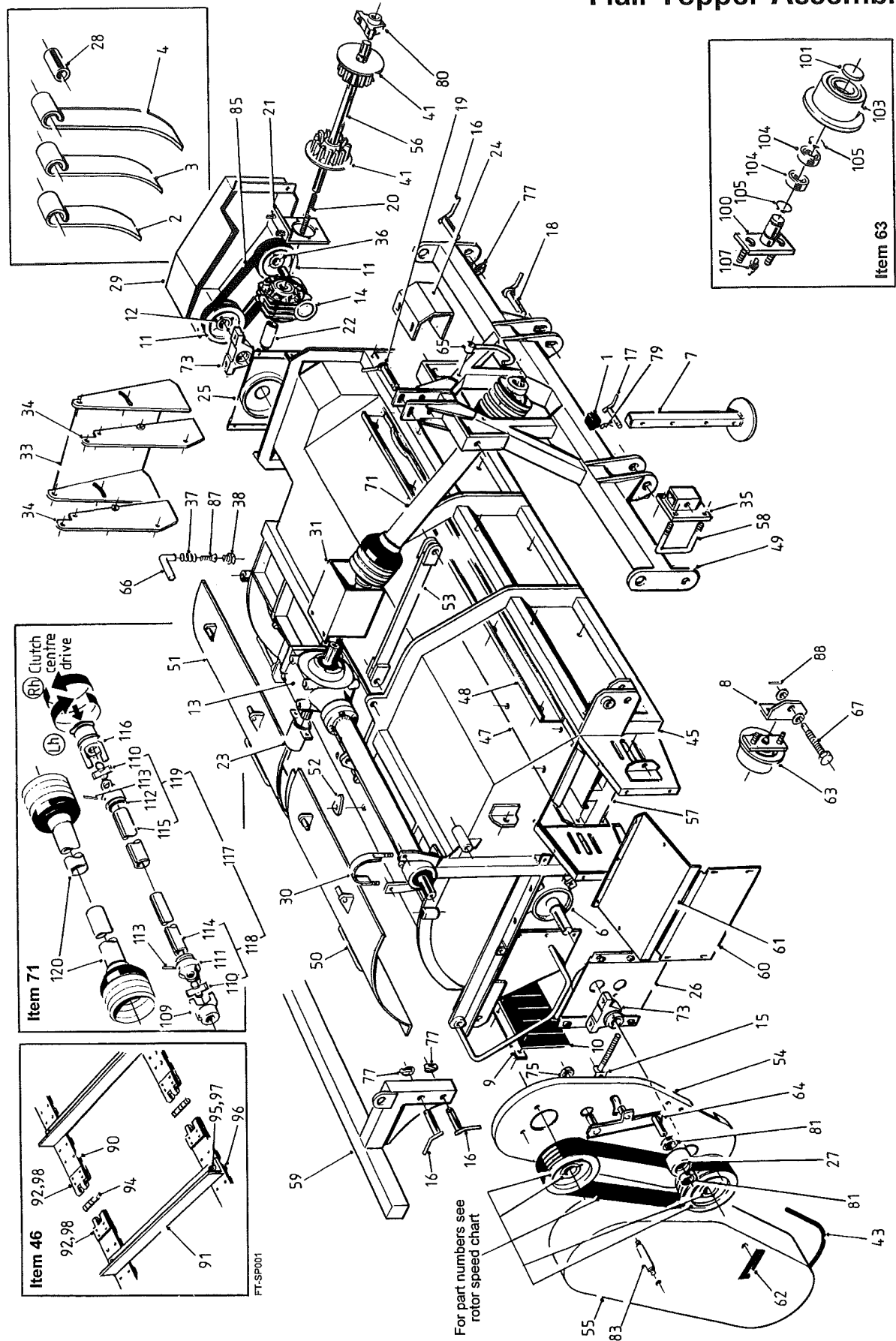
SPARE PARTS

Flail Topper Assembly	2.1
Depth Wheel/Depth Disc Assemblies	2.2
Gearbox Assembly	2.3

Note: When using the following pages to order replacement parts, please quote the full serial number of your machine.

Machines from Serial No FT2500

Flail Topper Assembly



2.1a**SPARE PARTS**

Machines from Serial No FT2500

Flail Topper Assembly

Item	Part No.	Description	Qty.	Remarks
1	27159	Plastic Insert (40x40)	2	
2	27508	Flail Blade (short)	a/r	
3	27509	Flail Blade (medium)	a/r	
4	27510	Flail Blade (long)	a/r	
5				
6	33010	Flail Shaft	1	
7	33017	Stand	2	
8	50038	Adjuster Bracket	2	
9	33029	Clamp Strip	1	
10	33030	Rubber Flap	1	
11	33160	Pulley 132X2SPA(2012)	2	
12	33162	Taperlock Bush (2012/45)	1	
13	33164	Gearbox c/w Output Shaft	1	
14	33181	Gearbox Assembly	1	
15	33185	Jockey Adjuster	1	
16	33186	Top Pin (Ø 25mm)	6	
17	33188	Locking Pin	2	
18	33189	Bottom Pin (Ø 28mm)	2	
19	33190	Locking Pin (115mm)	1	
20	33191	Threaded Insert	1	
21	33192	Gearbox Mounting Plate	1	
22	33193	Adjuster Sleeve	1	
23	33194	Cover Tube	1	
24	33195	Guard	1	
25	33198	RH Mounting Panel	1	
26	33199	LH Mounting Panel	1	
27	33202	Jockey Roller	1	
28	33207	Pivot Tube	74	
29	33208	Side Drive Guard	1	
30	33210	Gearbox Clamp	1	
31	33213	Gearbox Guard	1	
32				
33	33270	Deflector Plate	1	
34	33271	Side Plate	2	
35	33277	Stand Bracket	2	
36	33340	Taperlock Bush	1	
37	11289	Spring	2	
38	24383	1/2"BSP Blanking Plug	2	
39				
40				
41	37500	Flanged Web Sprocket	2	
42				
43	43227/2670	Edging Strip (2670mm long)	1	
44				
45	50001	Main Frame	1	
46	50002	Cross Conveyor Web Assembly	1	(see list at end)
47	50003	Conveyor Wear Strip	1	
48	50004	Conveyor Side Wear Panel	1	
49	50005	3 Point Linkage Frame	1	
50	50006	LH Door	1	
51	50007	RH Door	1	
52	50008	Door Clamp	4	
53	50009	3 Point Linkage Tie Strap	2	
54	50010	Main Guard Backplate	1	
55	50011	Main Guard	1	

SPARE PARTS

2.1b

Machines from Serial No FT2500

Flail Topper Assembly

Item	Part No.	Description	Qty.	Remarks
56	50012	Roller Shaft	1	(see list at end)
57	50013	Cross Conveyor Frame	1	
58	50019	M12 U Bolt (100mm SHS)	2	
59	50020	Depth Wheel Frame	1	
60	50031	Lower Cross Conveyor Guard	1	
61	50032	Upper Cross Conveyor Guard	1	
62	50047	Guard Handle	2	
63	50034	Roller Assembly	2	
64	50035	Jockey Arm	1	
65	50036	PTO Support Hook	1	
66	50041	Locking Handle	2	
67	50037	Adjuster Bolt	2	
68				
69				
70				
71	33288	6 Spline PTO Shaft (c/w LH drive clutch)	1	Options (see list at end)
	33289	6 Spline PTO Shaft (c/w RH drive clutch)	1	
	33290	21 Spline PTO Shaft (c/w LH drive clutch)	1	
	33291	21 Spline PTO Shaft (c/w RH drive clutch)	1	
72				
73	NP45	Bearing	2	
74				
75	PS488M	Locking Collar	1	
76				
77	REK215	Linch Pin	10	
78				
79	S86-82-002	R'clip	4	
80	SL25A	Bearing	1	
81	SLC30	Bearing	2	
82				
83	TBM24M	Guard Bolt	2	
84				
85	VB83	V Belt (SPA 950)	2	
86				
87	22013008/040	M8 Countersunk Setscrew	2	
88	22067005/025	Roll Pin	2	
89				
90	50002/1	Cross Conveyor Web Consists Of: Side Belt	2	
91	50002/2	Scraper Angle	24	
92	50002/3	F'Clip	4	
93				
94	50002/4	Joining Pin	2	
95	44237/13	M6x20mm Countersunk Screw	96	
96	47009N/35/7	Clamp Plate	48	
97	22041006	M6 Nyloc Nut	96	
98	KA16047	Ø5mmx20mm Rivet	96	
99				

2.1c

SPARE PARTS

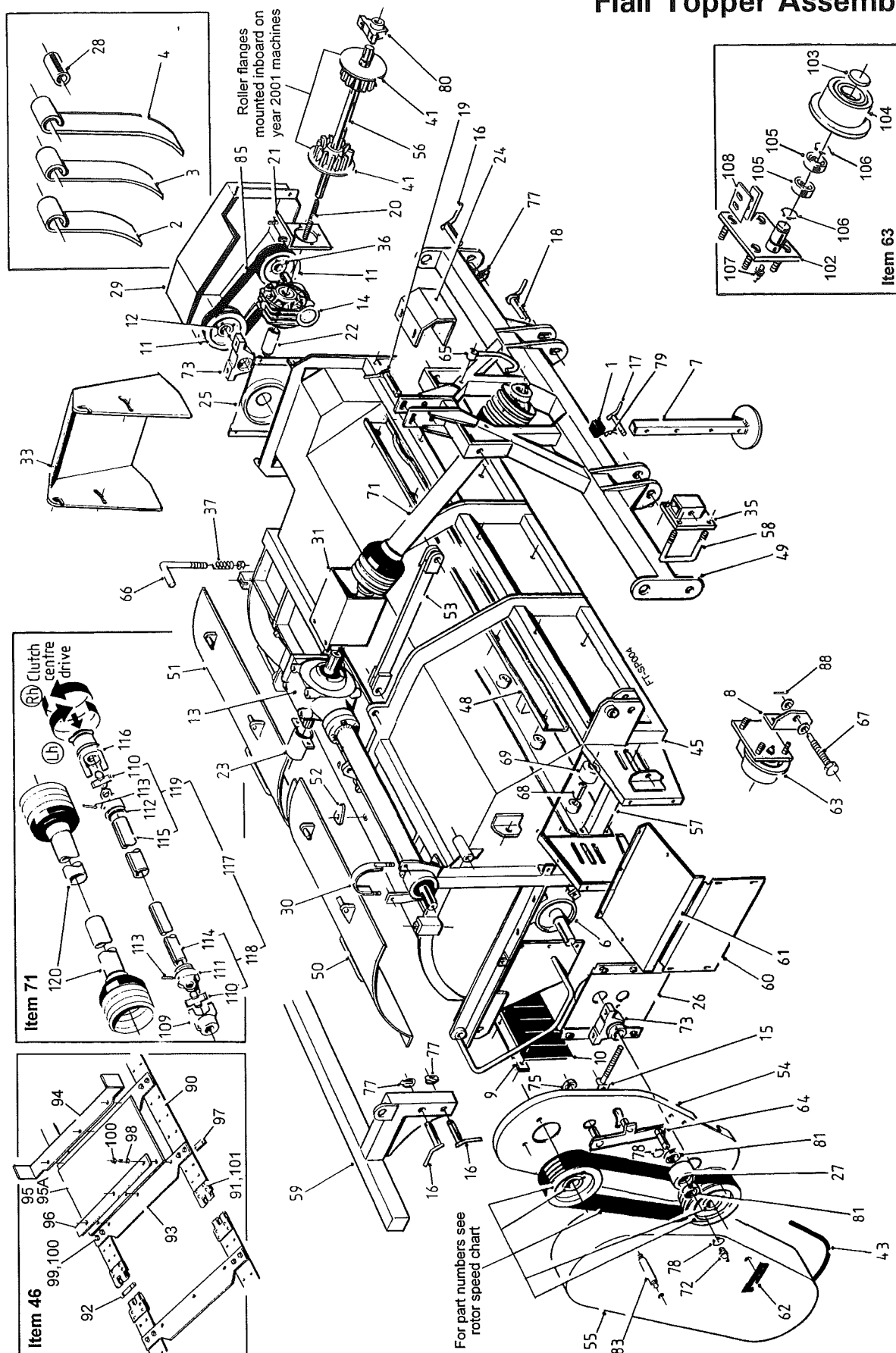
Machines from Serial No FT2500

Flail Topper Assembly

Item	Part No.	Description	Qty.	Remarks
	50034	Roller Assembly Consists Of:		
100	50014	Roller Mounting	1	
101	0000300202	Dust Cover	1	
102				
103	0150400001	Flanged Steel Roller	1	
104	6006RS	Bearing	2	
105	RH56	External Circlip	2	
106				
107	GS412	Grease Nipple	1	
108				
	33288	6 Spline PTO Shaft (c/w LH drive clutch)		
	33289	6 Spline PTO Shaft (c/w RH drive clutch)		
	33290	21 Spline PTO Shaft (c/w LH drive clutch)		
	33291	21 Spline PTO Shaft (c/w RH drive clutch)		
		Consist Of:		
109	11557/5	6 Spline Yoke	1	Assy 33288&33289 only
	33094/1	21 Spline Yoke	1	Assy 33290&33291 only
110	11557/7	Unit package	2	
111	11557/9	Male End Inner Yoke	1	
112	11557/10	Female End Inner Yoke	1	
113	11557/11	Spring Pin	2	
114	33168/1	Male Lemon Tube	1	
115	33169/1	Female Lemon Tube	1	
116	33170/3	6 Spline LH Drive Over-run Clutch	1	Assy 33288&33290 only
	33171/3	6 Spline RH Drive Over-run Clutch	1	Assy 33289&33291 only
117	33221	PTO Shaft (less outboard couplings)	1	
118	33221A	Male Coupling Complete	1	
119	33221B	Female Coupling Complete	1	
120	33221/1	Guard Complete	1	
121				

Machines from Serial No FT2 528

Flail Topper Assembly



2.1a**SPARE PARTS**

Machines from Serial No FT2 528

Flail Topper Assembly

Item	Part No.	Description	Qty.	Remarks
1	27159	Plastic Insert (40x40)	2	
2	27508	Flail Blade (short)	a/r	
3	27509	Flail Blade (medium)	a/r	
4	27510	Flail Blade (long)	a/r	
5				
6	33010	Flail Shaft	1	
7	33017	Stand	2	
8	50038	Adjuster Bracket	2	
9	33029	Clamp Strip	1	
10	33030	Rubber Flap	1	
11	33160	Pulley 132X2SPA(2012)	2	
12	33162	Taperlock Bush (2012/45)	1	
13	33164	Gearbox c/w Output Shaft	1	
14	33181	Gearbox Assembly	1	
15	33185	Jockey Adjuster	1	
16	33186	Top Pin (Ø 25mm)	6	
17	33188	Locking Pin	2	
18	33189	Bottom Pin (Ø 28mm)	2	
19	33190	Locking Pin (115mm)	1	
20	33191	Threaded Insert	1	
21	33192	Gearbox Mounting Plate	1	
22	33193	Adjuster Sleeve	1	
23	33194	Cover Tube	1	
24	33195	Guard	1	
25	33198	RH Mounting Panel	1	
26	33199	LH Mounting Panel	1	
27	50056	Jockey Roller	1	
28	33207	Pivot Tube	74	
29	33208	Side Drive Guard	1	
30	33210	Gearbox Clamp	1	
31	33213	Gearbox Guard	1	
32				
33	50067	Deflector Plate	1	
34				
35	33277	Stand Bracket	2	
36	33340	Taperlock Bush	1	
37	JK20725	Spring	2	
38				
39				
40				
41	50063	Flanged Web Sprocket	2	
42				
43	43227/2670	Edging Strip (2670mm long)	1	
44				
45	50001	Main Frame	1	
46	50002	Cross Conveyor Web Assembly	1	(see list at end)
47				
48	50004	Conveyor Side Wear Panel	1	
49	50005	3 Point Linkage Frame	1	
50	50006	LH Door	1	
51	50007	RH Door	1	
52	50008	Door Clamp	2	
53	50009	3 Point Linkage Tie Strap	2	
54	50010	Main Guard Backplate	1	
55	50011	Main Guard	1	

SPARE PARTS

2.1b

Machines from Serial No FT2 528

Flail Topper Assembly

Item	Part No.	Description	Qty.	Remarks
56	50012	Roller Shaft	1	(see list at end)
57	50064	Cross Conveyor Frame	1	
58	50019	M12 U Bolt (100mm SHS)	2	
59	50020	Depth Wheel Frame	1	
60	50078	Lower Cross Conveyor Guard	1	
61	50079	Upper Cross Conveyor Guard	1	
62	50047	Guard Handle	2	
63	50081	Roller Assembly	2	
64	50035	Jockey Arm	1	
65	50036	PTO Support Hook	1	
66	50041	Locking Handle	2	
67	50037	Adjuster Bolt	2	
68	50059	Roller Spindle	14	
69	50060	Nylon Roller	14	
70				
71	33288	6 Spline PTO Shaft (c/w LH drive clutch)	1	
	33289	6 Spline PTO Shaft (c/w RH drive clutch)	1	
	33290	21 Spline PTO Shaft (c/w LH drive clutch)	1	
	33291	21 Spline PTO Shaft (c/w RH drive clutch)	1	
72	GS412	1/8" BSP Grease Nipple	1	Options (see list at end)
73	NP45	Bearing	2	
74				
75	PS488M	Locking Collar	1	
76				
77	REK215	Linch Pin	10	
78	RH56	External Circlip	2	
79	S86-82-002	R'clip	4	
80	SL25A	Bearing	1	
81	6306RS	Bearing	2	
82				
83	TBM24M	Guard Bolt	2	
84				
85	VB83	V Belt (SPA 950)	2	
86				
87				
88	22067005/025	Roll Pin	2	
89				
	50002	Cross Conveyor Web Consists Of:		
90	50002/1	Side Belt	2	
91	50002/3	F'Clip	4	
92	50002/4	Joining Pin	2	
93	50058	Mounting Strip	24	
94	50065	Scraper Bracket	2	
95	33126/3	Rubber Flap	23	
95A	50002/5	Long Rubber Flap (for connectors)	1	
96	33126/4	Flap Clamp Plate	24	
97	47009N/35/7	Clamp Plate	48	
98	22014006/030	M6x30mm Bolt	72	

2.1c

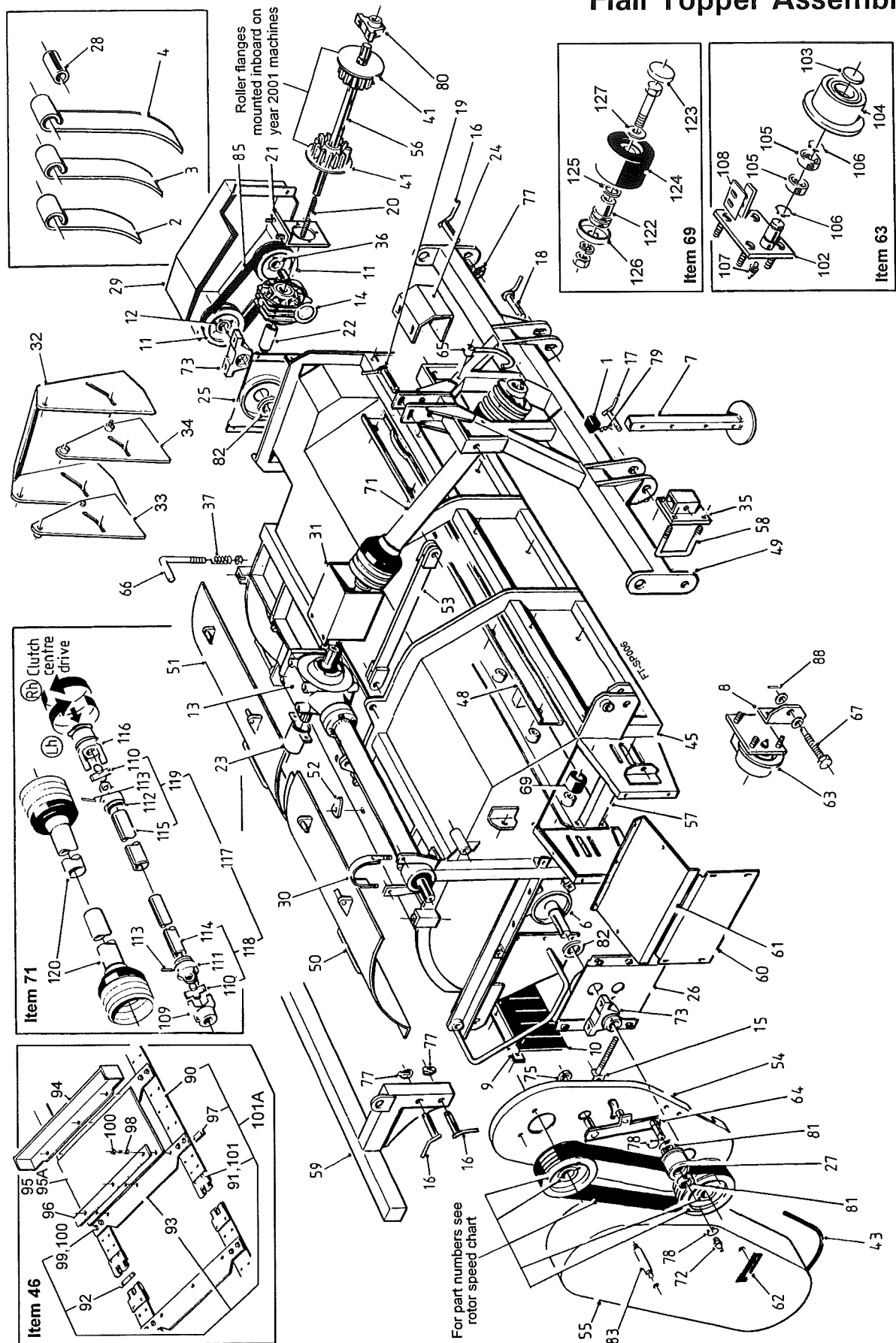
SPARE PARTS

Machines from Serial No FT2 528

Flail Topper Assembly

Item	Part No.	Description	Qty.	Remarks
99	22016006/025	M6x25mm Countersunk Screw	96	
100	22041006	M6 Nyloc Nut	168	
101	KA16047	Ø5mmx20mm Rivet	16	
	50081	Roller Assembly Consists Of:		
102	50080	Roller Mounting	1	
103	0000300202	Dust Cover	1	
104	50040	Flanged Steel Roller	1	
105	6006RS	Bearing	2	
106	RH56	External Circlip	2	
107	GS412	1/8"BSP Grease Nipple	1	
108	50066	Roller Scraper	1	
	33288	6 Spline PTO Shaft (c/w LH drive clutch)		
	33289	6 Spline PTO Shaft (c/w RH drive clutch)		
	33290	21 Spline PTO Shaft (c/w LH drive clutch)		
	33291	21 Spline PTO Shaft (c/w RH drive clutch)		
		Consist Of:		
109	11557/5	6 Spline Yoke	1	Assy 33288&33289 only
	33094/1	21 Spline Yoke	1	Assy 33290&33291 only
110	11557/7	Unit package	2	
111	11557/9	Male End Inner Yoke	1	
112	11557/10	Female End Inner Yoke	1	
113	11557/11	Spring Pin	2	
114	33168/1	Male Lemon Tube	1	
115	33169/1	Female Lemon Tube	1	
116	33170/3	6 Spline LH Drive Over-run Clutch	1	Assy 33288&33290 only
	33171/3	6 Spline RH Drive Over-run Clutch	1	Assy 33289&33291 only
117	33221	PTO Shaft (less outboard couplings)	1	
118	33221A	Male Coupling Complete	1	
119	33221B	Female Coupling Complete	1	
120	33221/1	Guard Complete	1	
121				

Flail Topper Assembly



Flail Topper Assembly

Item	Part No.	Description	Qty.	Remarks
1	27159	Plastic Insert (40x40)	2	
2	27508	Flail Blade (short)	a/r	
3	27509	Flail Blade (medium)	a/r	
4	27510	Flail Blade (long)	a/r	
5				
6	33010	Flail Shaft	1	
7	33017	Stand	2	
8	50038	Adjuster Bracket	2	
9	33029	Clamp Strip	1	
10	33030	Rubber Flap	1	
11	33160	Pulley 132X2SPA(2012)	2	
12	33162	Taperlock Bush (2012/45)	1	
13	33164	Gearbox c/w Output Shaft	1	
14	33181	Gearbox Assembly	1	
15	33185	Jockey Adjuster	1	
16	33186	Top Pin (Ø 25mm)	6	
17	33188	Locking Pin	2	
18	33189	Bottom Pin (Ø 28mm)	2	
19	33190	Locking Pin (115mm)	1	
20	33191	Threaded Insert	1	
21	33192	Gearbox Mounting Plate	1	
22	33193	Adjuster Sleeve	1	
23	33194	Cover Tube	1	
24	33195	Guard	1	
25	33198	RH Mounting Panel	1	
26	33199	LH Mounting Panel	1	
27	50056	Jockey Roller	1	
28	33207	Pivot Tube	74	
29	33208	Side Drive Guard	1	
30	33210	Gearbox Clamp	1	
31	33213	Gearbox Guard	1	
32	50086	Cross Conveyor Door	1	
33	50087	Side Plate Front	1	
34	50088	Side Plate Rear	1	
35	33277	Stand Bracket	2	
36	33340	Taperlock Bush	1	
37	JK20725	Spring	2	
38				
39				
40				
41	50063	Flanged Web Sprocket	2	
42				
43	43227/2670	Edging Strip (2670mm long)	1	
44				
45	50001	Main Frame	1	
46	50002	Cross Conveyor Web Assembly	1	(see list at end)
47				
48	50004	Conveyor Side Wear Panel	1	
49	50005	3 Point Linkage Frame	1	
50	50006	LH Door	1	
51	50007	RH Door	1	
52	50008	Door Clamp	2	
53	50009	3 Point Linkage Tie Strap	2	
54	50010	Main Guard Backplate	1	
55	50011	Main Guard	1	

Flail Topper Assembly

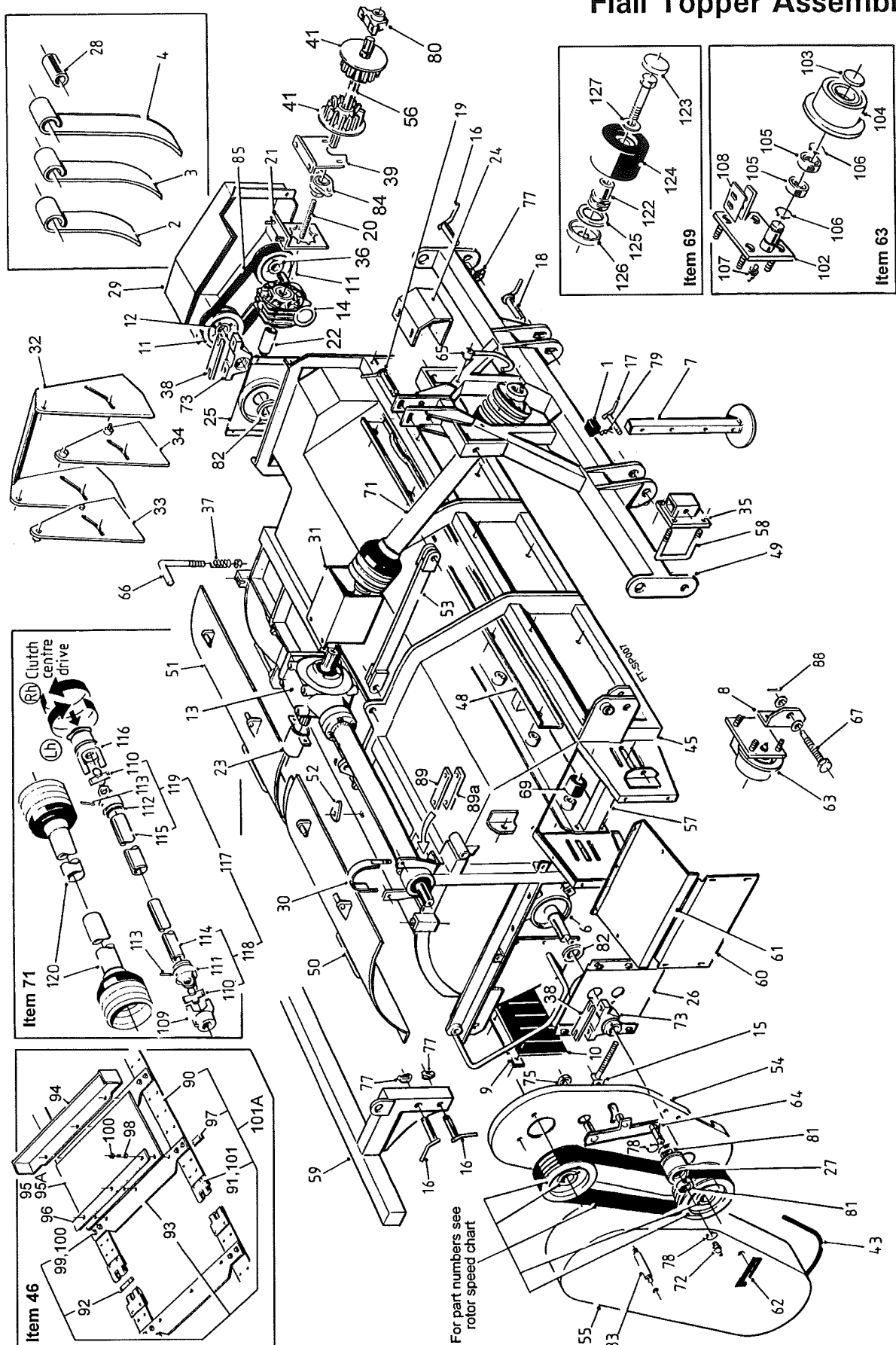
Item	Part No.	Description	Qty.	Remarks
56	50012	Roller Shaft	1	
57	50064	Cross Conveyor Frame	1	
58	50019	M12 U Bolt (100mm SHS)	2	
59	50020	Depth Wheel Frame	1	
60	50078	Lower Cross Conveyor Guard	1	
61	50079	Upper Cross Conveyor Guard	1	
62	50047	Guard Handle	2	
63	50081	Roller Assembly	2	(see list at end)
64	50035	Jockey Arm	1	
65	50036	PTO Support Hook	1	
66	50041	Locking Handle	2	
67	50037	Adjuster Bolt	2	
68				
69	50098	Roller Assembly	14	(see list at end)
70				
71	33288	6 Spline PTO Shaft (c/w LH drive clutch)	1	Options (see list at end)
	33289	6 Spline PTO Shaft (c/w RH drive clutch)	1	
	33290	21 Spline PTO Shaft (c/w LH drive clutch)	1	
	33291	21 Spline PTO Shaft (c/w RH drive clutch)	1	
72	GS412	1/8"BSP Grease Nipple	1	
73	NP45	Bearing	2	
74				
75	PS488M	Locking Collar	1	
76				
77	REK215	Linch Pin	10	
78	RH56	External Circlip	2	
79	S86-82-002	R'clip	4	
80	SL25A	Bearing	1	
81	6306RS	Bearing	2	
82	SS065046/006	Steel Spacer	2	
83	TBM24M	Guard Bolt	2	
84				
85	VB83	V Belt (SPA 950)	2	
86				
87				
88	22067005/025	Roll Pin	2	
89				
	50002	Cross Conveyor Web Consists Of:		
90	50002/1	Side Belt	2	
91	50002/3	F'Clip (2 holes)	4	
92	50002/4	Joining Pin	2	
93	50058	Mounting Strip	24	
94	50065	Scraper Bracket	2	
95	33126/3	Rubber Flap	23	
95A	50002/5	Long Rubber Flap (for connectors)	1	
96	33126/4	Flap Clamp Plate	24	
97	50002/6	Clamp Plate	48	
98	22014006/030	M6x30mm Bolt	72	

Flail Topper Assembly

Item	Part No.	Description	Qty.	Remarks
99	22016006/020	M6x25mm Countersunk Screw	96	
100	22041006	M6 Nyloc Nut	168	
101	50002/7	Rivet	8	
101A	50002X	Web Assy without Flaps & Brackets	1	
	50081	Roller Assembly Consists Of:		
102	50080	Roller Mounting	1	
103	0000300202	Dust Cover	1	
104	50040	Flanged Steel Roller	1	
105	6006RS	Bearing	2	
106	RH56	External Circlip	2	
107	GS412	1/8"BSP Grease Nipple	1	
108	50066	Roller Scraper	1	
	33288	6 Spline PTO Shaft (c/w LH drive clutch)		
	33289	6 Spline PTO Shaft (c/w RH drive clutch)		
	33290	21 Spline PTO Shaft (c/w LH drive clutch)		
	33291	21 Spline PTO Shaft (c/w RH drive clutch)		
		Consist Of:		
109	11557/5	6 Spline Yoke	1	Assy 33288&33289 only
	33094/1	21 Spline Yoke	1	Assy 33290&33291 only
110	11557/7	Unit package	2	
111	11557/9	Male End Inner Yoke	1	
112	11557/10	Female End Inner Yoke	1	
113	11557/11	Spring Pin	2	
114	33168/1	Male Lemon Tube	1	
115	33169/1	Female Lemon Tube	1	
116	33170/3	6 Spline LH Drive Over-run Clutch	1	Assy 33288&33290 only
	33171/3	6 Spline RH Drive Over-run Clutch	1	Assy 33289&33291 only
117	33221	PTO Shaft (less outboard couplings)	1	
118	33221A	Male Coupling Complete	1	
119	33221B	Female Coupling Complete	1	
120	33221/1	Guard Complete	1	
121				
	50098	Roller Assembly Consists Of:		
122	50099	Roller Spindle	1	
123	RPC620.303070	End Cap	1	
124	RPC700.300148	Roller c/w Bearing	1	
125	RPGM070.00446	Felt Ring	1	
126	RPGM089.00565	Roller Shield	1	
127	SS032013/002	Steel Spacer	1	

Machines from 2008

Flail Topper Assembly



2.1a

SPARE PARTS

Machines from 2008

Flail Topper Assembly

Item	Part No.	Description	Qty.	Remarks
1	27159	Plastic Insert (40x40)	2	
2	27508	Flail Blade (short)	a/r	
3	27509	Flail Blade (medium)	a/r	
4	27510	Flail Blade (long)	a/r	
5				
6	33010	Flail Shaft	1	
7	33017	Stand	2	
8	50038	Adjuster Bracket	2	
9	33029	Clamp Strip	1	
10	33030	Rubber Flap	1	
11	33160	Pulley 132X2SPA(2012)	2	
12	33162	Taperlock Bush (2012/45)	1	
13	33164	Gearbox c/w Output Shaft	1	
14	33181	Gearbox Assembly	1	
15	33185	Jockey Adjuster	1	
16	33186	Top Pin (Ø 25mm)	6	
17	33188	Locking Pin	2	
18	33189	Bottom Pin (Ø 28mm)	2	
19	33190	Locking Pin (115mm)	1	
20	22106012/130	Threaded Insert	1	Was 33191
21	33192	Gearbox Mounting Plate	1	
22	33193	Adjuster Sleeve	1	
23	33194	Cover Tube	1	
24	33195	Guard	1	
25	33198	RH Mounting Panel	1	
26	33199	LH Mounting Panel	1	
27	50056	Jockey Roller	1	
28	33207	Pivot Tube	74	
29	33208	Side Drive Guard	1	
30	33210	Gearbox Clamp	1	
31	33213	Gearbox Guard	1	
32	50086	Cross Conveyor Door	1	
33	50087	Side Plate Front	1	
34	50088	Side Plate Rear	1	
35	33277	Stand Bracket	2	
36	33340	Taperlock Bush	1	
37	JK20725	Spring	2	
38	50103	Bearing Packer Plate	2	
39	50104	Bearing Support Bracket	1	
40				
41	50063	Flanged Web Sprocket	2	
42				
43	43227/2670	Edging Strip (2670mm long)	1	
44				
45	50001	Main Frame	1	
46	50002	Cross Conveyor Web Assembly	1	(see list at end)
47				
48	50004	Conveyor Side Wear Panel	1	
49	50005	3 Point Linkage Frame	1	
50	50006	LH Door	1	
51	50007	RH Door	1	
52	50008	Door Clamp	2	
53	50009	3 Point Linkage Tie Strap	2	
54	50010	Main Guard Backplate	1	
55	50011	Main Guard	1	

SPARE PARTS

2.1b

Machines from 2008

Flail Topper Assembly

Item	Part No.	Description	Qty.	Remarks
56	50012	Roller Shaft	1	
57	50064	Cross Conveyor Frame	1	
58	50019	M12 U Bolt (100mm SHS)	4	
59	50020	Depth Wheel Frame	1	
60	50078	Lower Cross Conveyor Guard	1	
61	50079	Upper Cross Conveyor Guard	1	
62	50047	Guard Handle	2	
63	50081	Roller Assembly	2	(see list at end)
64	50035	Jockey Arm	1	
65	50036	PTO Support Hook	1	
66	50041	Locking Handle	2	
67	50037	Adjuster Bolt	2	
68				
69	50098	Roller Assembly	14	(see list at end)
70				
71	33288	6 Spline PTO Shaft (c/w LH drive clutch)	1	Options (see list at end)
	33289	6 Spline PTO Shaft (c/w RH drive clutch)	1	
	33290	21 Spline PTO Shaft (c/w LH drive clutch)	1	
	33291	21 Spline PTO Shaft (c/w RH drive clutch)	1	
72	GS412	1/8"BSP Grease Nipple	1	
73	NP45	Bearing	2	
74				
75	PS488M	Locking Collar	1	
76				
77	REK215	Linch Pin	10	
78	RH56	External Circlip	2	
79	S86-82-002	R'clip	4	
80	SL25A	Bearing	1	
81	6306RS	Bearing	2	
82	SS065046/006	Steel Spacer	2	
83	TBM24M	Guard Bolt	2	
84	SFT25	Bearing	1	
85	VB83	V Belt (SPA 950)	2	
86				
87				
88	22067005/025	Roll Pin	2	
89	50117/8	Packer Plate (8mm)	1	
89a	50117/10	Packer Plate (10mm)	1	
	50002	Cross Conveyor Web Consists Of:		
90	50002/1	Side Belt	2	
91	50002/3	F'Clip (2 holes)	4	
92	50002/4	Joining Pin	2	
93	50058	Mounting Strip	24	
94	50065	Scraper Bracket	2	
95	33126/3	Rubber Flap	23	
95A	50002/5	Long Rubber Flap (for connectors)	1	
96	33126/4	Flap Clamp Plate	24	
97	50002/6	Clamp Plate	48	
98	22014006/030	M6x30mm Bolt	72	

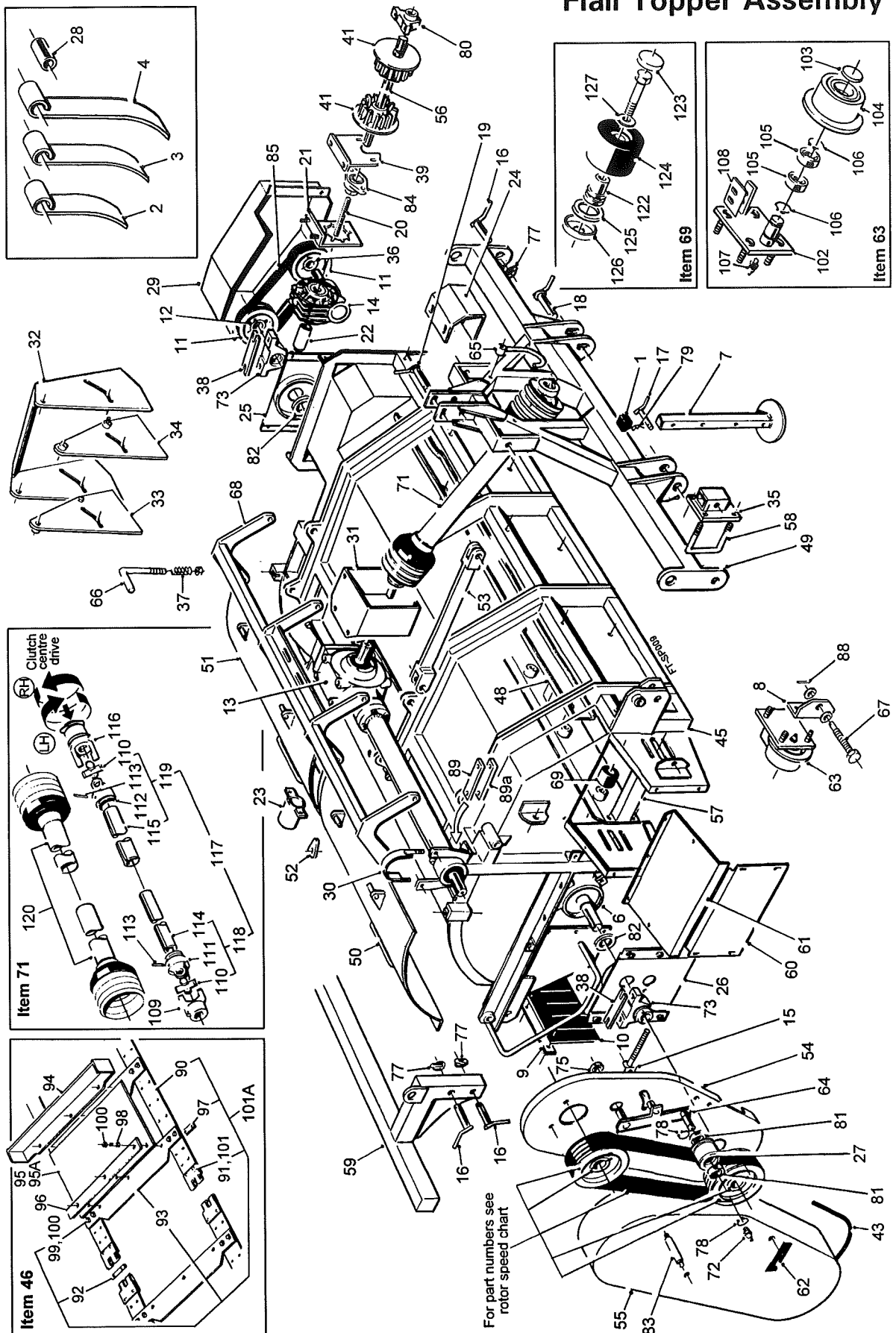
Machines from 2008

Flail Topper Assembly

Item	Part No.	Description	Qty.	Remarks
99	22016006/020	M6x25mm Countersunk Screw	96	
100	22041006	M6 Nyloc Nut	168	
101	50002/7	Rivet	8	
101A	50002X	Web Assy without Flaps & Brackets	1	
	50081	Roller Assembly Consists Of:		
102	50080	Roller Mounting	1	
103	0000300202	Dust Cover	1	
104	50040	Flanged Steel Roller	1	
105	6006RS	Bearing	2	
106	RH56	External Circlip	2	
107	GS412	1/8"BSP Grease Nipple	1	
108	50066	Roller Scraper	1	
	33288	6 Spline PTO Shaft (c/w LH drive clutch)		
	33289	6 Spline PTO Shaft (c/w RH drive clutch)		
	33290	21 Spline PTO Shaft (c/w LH drive clutch)		
	33291	21 Spline PTO Shaft (c/w RH drive clutch)		
		Consist Of:		
109	11557/5	6 Spline Yoke	1	Assy 33288&33289 only
	33094/1	21 Spline Yoke	1	Assy 33290&33291 only
110	11557/7	Unit package	2	
111	11557/9	Male End Inner Yoke	1	
112	11557/10	Female End Inner Yoke	1	
113	11557/11	Spring Pin	2	
114	33168/1	Male Lemon Tube	1	
115	33169/1	Female Lemon Tube	1	
116	33170/3	6 Spline LH Drive Over-run Clutch	1	Assy 33288&33290 only
	33171/3	6 Spline RH Drive Over-run Clutch	1	Assy 33289&33291 only
117	33221	PTO Shaft (less outboard couplings)	1	
118	33221A	Male Coupling Complete	1	
119	33221B	Female Coupling Complete	1	
120	33221/1	Guard Complete	1	
121				
	50098	Roller Assembly Consists Of:		
122	50099	Roller Spindle	1	
123	RPC620.303070	End Cap	1	
124	RPC700.300148	Roller c/w Bearing	1	
125	RPGM070.00446	Felt Ring	1	
126	RPGM089.00565	Roller Shield	1	
127	22046012C	M12 Flat Washer (2.5mm thick)	1	

Machines from 2020

Flail Topper Assembly



2.1a

SPARE PARTS

Machines from 2020

Flail Topper Assembly

Item	Part No.	Description	Qty.	Remarks
1	27159	Plastic Insert (40x40)	2	
2	27508	Flail Blade (short)	a/r	
3	27509	Flail Blade (medium)	a/r	
4	27510	Flail Blade (long)	a/r	
5				
6	33010	Flail Shaft	1	
7	33017	Stand	2	
8	50038	Adjuster Bracket	2	
9	33029	Clamp Strip	1	
10	33030	Rubber Flap	1	
11	33160	Pulley 132X2SPA(2012)	2	
12	33162	Taperlock Bush (2012/45)	1	
13	33164	Gearbox c/w Output Shaft	1	
14	33181	Gearbox Assembly	1	
15	33185	Jockey Adjuster	1	
16	33186	Top Pin (Ø 25mm)	6	
17	33188	Locking Pin	2	
18	33189	Bottom Pin (Ø 28mm)	2	
19	33190	Locking Pin (115mm)	1	
20	22106012/130	Threaded Insert	1	Was 33191
21	33192	Gearbox Mounting Plate	1	
22	33193	Adjuster Sleeve	1	
23	33194	Cover Tube	1	
24	33195	Guard	1	
25	33198	RH Mounting Panel	1	
26	33199	LH Mounting Panel	1	
27	50056	Jockey Roller	1	
28	33207	Pivot Tube	74	
29	33208	Side Drive Guard	1	
30	33210	Gearbox Clamp	1	
31	33213A	Gearbox Guard	1	
32	50086	Cross Conveyor Door	1	
33	50087	Side Plate Front	1	
34	50088	Side Plate Rear	1	
35	33277	Stand Bracket	2	
36	33340	Taperlock Bush	1	
37	JK20725	Spring	2	
38	50103	Bearing Packer Plate	2	
39	50104	Bearing Support Bracket	1	
40				
41	50063	Flanged Web Sprocket	2	
42				
43	43227/2670	Edging Strip (2670mm long)	1	
44				
45	50001A	Main Frame	1	
46	50002	Cross Conveyor Web Assembly	1	(see list at end)
47				
48	50004	Conveyor Side Wear Panel	1	
49	50005	3 Point Linkage Frame	1	
50	50006	LH Door	1	
51	50007	RH Door	1	
52	50008	Door Clamp	2	
53	50009A	3 Point Linkage Tie Strap	2	
54	50010	Main Guard Backplate	1	
55	50011	Main Guard	1	

Machines from 2020

Flail Topper Assembly

Item	Part No.	Description	Qty.	Remarks
56	50012	Roller Shaft	1	(see list at end)
57	50064	Cross Conveyor Frame	1	
58	50019	M12 U Bolt (100mm SHS)	4	
59	50020	Depth Wheel Frame	1	
60	50078	Lower Cross Conveyor Guard	1	
61	50079	Upper Cross Conveyor Guard	1	
62	50047	Guard Handle	2	
63	50081	Roller Assembly	2	
64	50035	Jockey Arm	1	
65	50036	PTO Support Hook	1	
66	50041	Locking Handle	2	
67	50037	Adjuster Bolt	2	
68	50109	Gearbox Brace	1	
69	50098	Roller Assembly	14	
70				
71	33288	6 Spline PTO Shaft (c/w LH drive clutch)	1	
	33289	6 Spline PTO Shaft (c/w RH drive clutch)	1	
	33290	21 Spline PTO Shaft (c/w LH drive clutch)	1	
	33291	21 Spline PTO Shaft (c/w RH drive clutch)	1	
72	GS412	1/8" BSP Grease Nipple	1	Options (see list at end)
73	NP45	Bearing	2	
74				
75	PS488M	Locking Collar	1	
76				
77	REK215	Linch Pin	10	
78	RH56	External Circlip	2	
79	S86-82-002	R'clip	4	
80	SL25A	Bearing	1	
81	6306RS	Bearing	2	
82	SS065046/006	Steel Spacer	2	
83	TBM24M	Guard Bolt	2	
84	SFT25	Bearing	1	
85	VB104	V Belt (932mm)	2	
86				
87				
88	22067005/025	Roll Pin	2	
89	50117/8	Packer Plate (8mm)	1	
89a	50117/10	Packer Plate (10mm)	1	
	50002	Cross Conveyor Web Consists Of:		
90	50002/1	Side Belt	2	
91	50002/3	F'Clip (2 holes)	4	
92	50002/4	Joining Pin	2	
93	50058	Mounting Strip	24	
94	50065	Scraper Bracket	2	
95	33126/3	Rubber Flap	23	
95A	50002/5	Long Rubber Flap (for connectors)	1	
96	33126/4	Flap Clamp Plate	24	
97	50002/6	Clamp Plate	48	
98	22014006/030	M6x30mm Bolt	72	

2.1c

SPARE PARTS

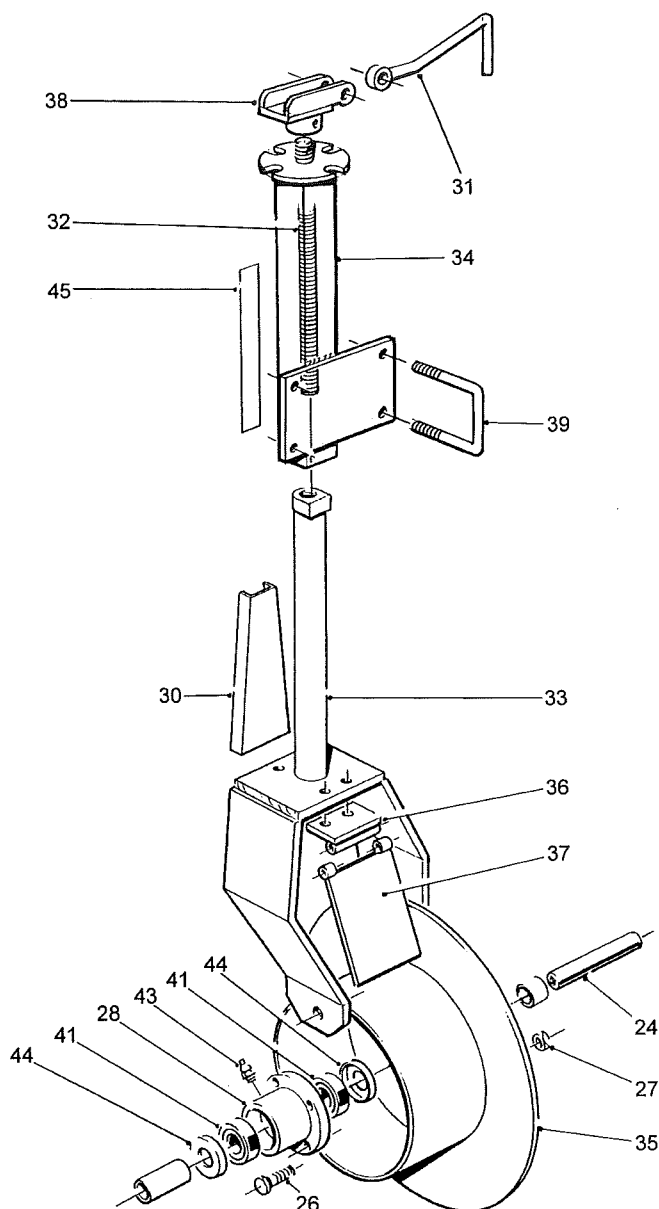
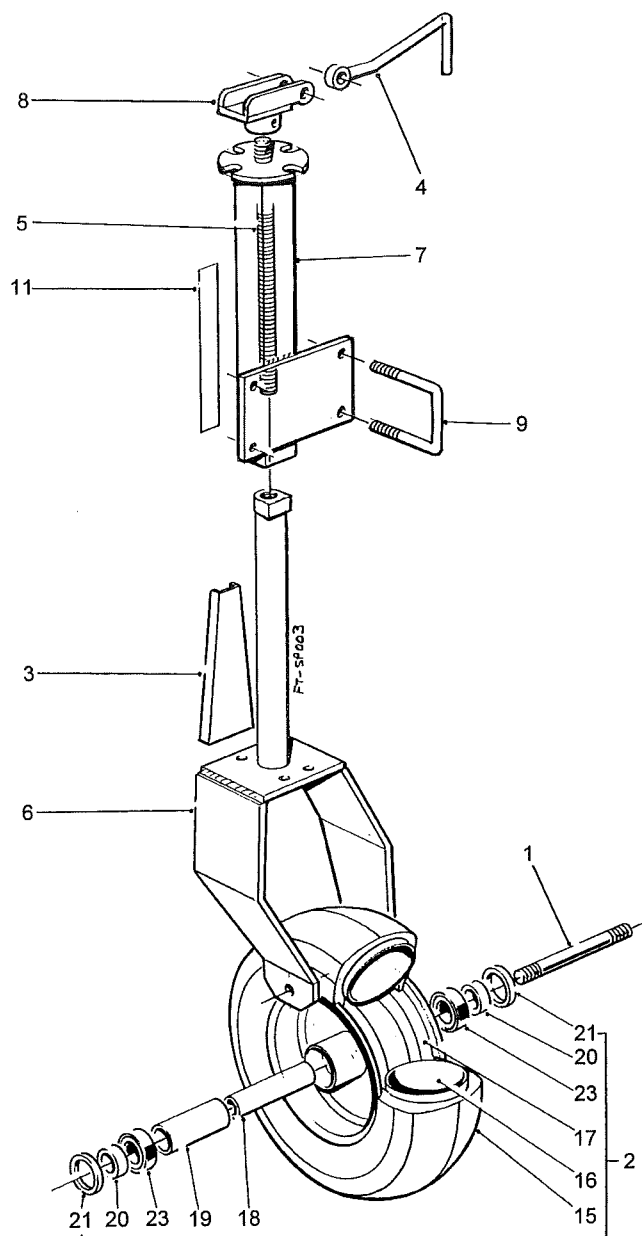
Machines from 2020

Flail Topper Assembly

Item	Part No.	Description	Qty.	Remarks
99	22016006/020	M6x25mm Countersunk Screw	96	
100	22041006	M6 Nyloc Nut	168	
101	50002/7	Rivet	8	
101A	50002X	Web Assy without Flaps & Brackets	1	
	50081	Roller Assembly Consists Of:		
102	50080	Roller Mounting	1	
103	0000300202	Dust Cover	1	
104	50040	Flanged Steel Roller	1	
105	6006RS	Bearing	2	
106	RH56	External Circlip	2	
107	GS412	1/8"BSP Grease Nipple	1	
108	50066	Roller Scraper	1	
	33288	6 Spline PTO Shaft (c/w LH drive clutch)		
	33289	6 Spline PTO Shaft (c/w RH drive clutch)		
	33290	21 Spline PTO Shaft (c/w LH drive clutch)		
	33291	21 Spline PTO Shaft (c/w RH drive clutch)		
		Consist Of:		
109	11557/5	6 Spline Yoke	1	Assy 33288&33289 only
	33094/1	21 Spline Yoke	1	Assy 33290&33291 only
110	11557/7	Unit package	2	
111	11557/9	Male End Inner Yoke	1	
112	11557/10	Female End Inner Yoke	1	
113	11557/11	Spring Pin	2	
114	33168/1	Male Lemon Tube	1	
115	33169/1	Female Lemon Tube	1	
116	33170/3	6 Spline LH Drive Over-run Clutch	1	Assy 33288&33290 only
	33171/3	6 Spline RH Drive Over-run Clutch	1	Assy 33289&33291 only
117	33221	PTO Shaft (less outboard couplings)	1	
118	33221A	Male Coupling Complete	1	
119	33221B	Female Coupling Complete	1	
120	33221/1	Guard Complete	1	
121				
	50098	Roller Assembly Consists Of:		
122	50099	Roller Spindle	1	
123	RPC620.303070	End Cap	1	
124	RPC700.300148	Roller c/w Bearing	1	
125	RPGM070.00446	Felt Ring	1	
126	RPGM089.00565	Roller Shield	1	
127	22046012C	M12 Flat Washer (2.5mm thick)	1	

Machines from Serial No FT2500

Depth Wheel/Depth Disc Assemblies



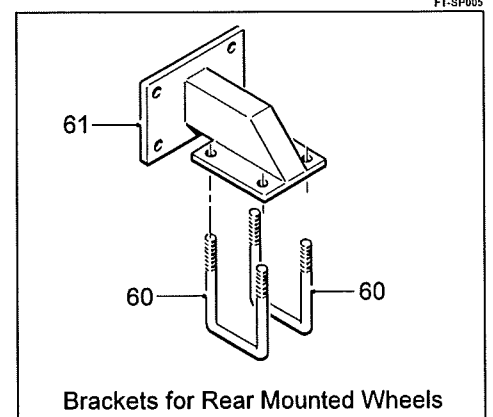
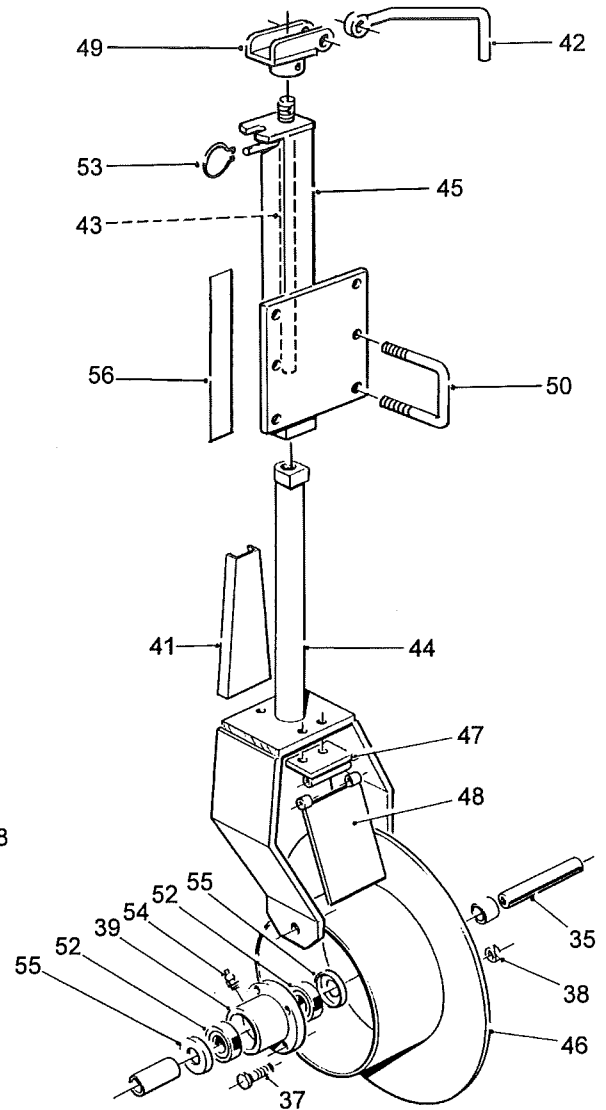
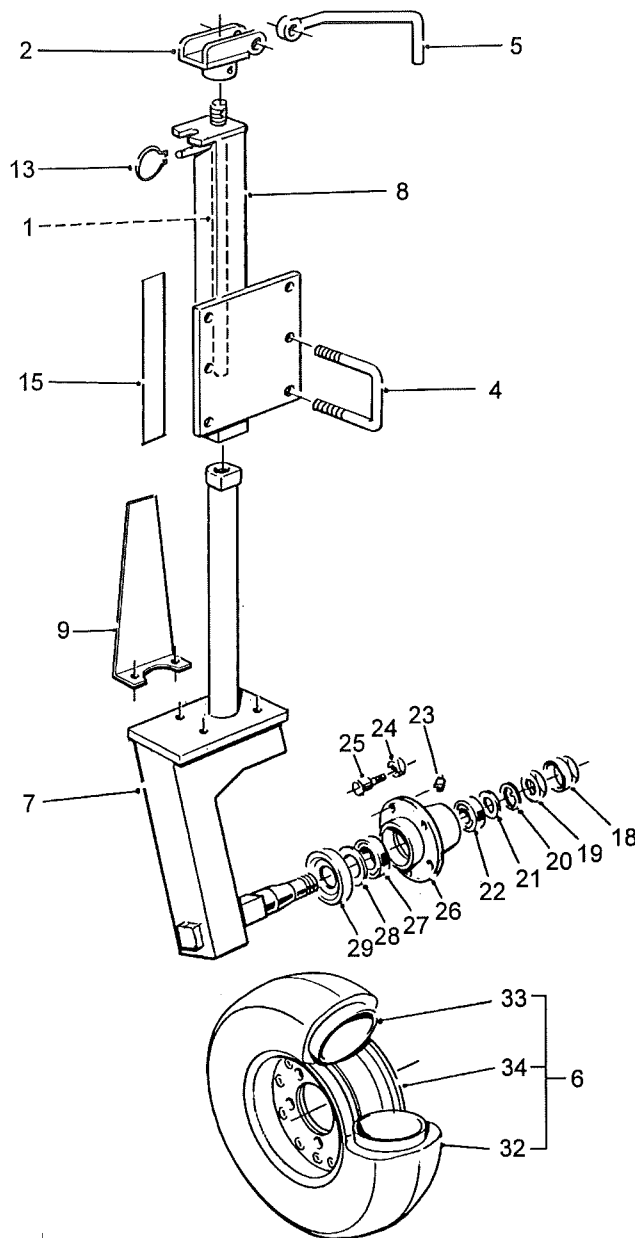
Machines from Serial No FT2500

Depth Wheel/Depth Disc Assemblies

Item	Part No.	Description	Qty.	Remarks
		Depth Wheel Assemblies Consists Of:		
1	33124	Axle Stud	2	(see list at end)
2	33167	Wheel Complete	2	
3	33222	Height Indicator	2	
4	50039	Depth Handle	2	
5	33279	Adjuster Screw	2	
6	33280	Depth Wheel Leg	2	
7	50016	LH Depth Wheel Mounting	1	(not shown)
	50017	RH Depth Wheel Mounting	1	
8	47164	Pivot Bracket	2	
9	50018	M12 U Bolt (80mm SHS)	4	
10				
11	TR267	Transfer	2	
12				
13				
14				
	33167	Wheel Complete Consists Of:		
15	33117	6.00x9-6Ply Tyre	1	
16	33118	Tube	1	
17	33119	Wheel Rim	1	
18	33120	Axle Tube	1	
19	33121	Spacer Tube	1	
20	33122	Spacer	2	
21	33123	Seal	2	
22				
23	6205	Bearing	2	
		Depth Disc Assemblies Consists Of:		
24	33336	Axle Shaft	2	
25				
26	17201	Stud	8	
27	17202	Nut	8	
28	17214	Hub	2	
29				
30	33222	Height Indicator	2	
31	50039	Depth Handle	2	
32	33279	Adjuster Screw	2	
33	33280	Depth Wheel Leg	2	
34	50016	LH Depth Wheel Mounting	1	(not shown)
	50017	RH Depth Wheel Mounting	1	
35	33282	Depth Disc	2	
36	33283	Scraper Mounting	2	
37	33284	Scraper	2	
38	47164	Pivot Bracket	2	
39	50018	M12 U Bolt (80mm SHS)	4	
40				
41	6005RS	Bearing	4	
42				
43	GS412	Grease Nipple	2	
44	PH408	Seal	4	
45	TR267	Transfer	2	

Machines from Serial No FT2 528

Depth Wheel/Depth Disc Assemblies



2.2a

SPARE PARTS

Machines from Serial No FT2 528

Depth Wheel/Depth Disc Assemblies

Item	Part No.	Description	Qty.	Remarks
		Depth Wheel Assemblies Consists Of:		
1	33279	Adjuster Screw	2	
2	47164	Pivot Bracket	2	
3				
4	50018	M12 U Bolt (80mm SHS)	4	
5	50083	LH Depth Handle	1	
	50039	RH Depth Handle (not shown)	1	
6	50071	Wheel Complete	2	(see list at end)
7	50072	LH Depth Wheel Leg	1	
	50073	RH Depth Wheel Leg	1	(not shown)
8	50074	LH Depth Wheel Mounting	1	
	50075	RH Depth Wheel Mounting	1	(not shown)
9	50082	Height Indicator	2	
10				
11				
12				
13	DW60495	Spring Clip	2	
14				
15	TR267	Transfer	2	
16				
17				
18	50072X/1	End Cap	2	
19	50072X/2	Castellated Nut	2	
20	50072X/3	Locking Washer	2	
21	50072X/4	Spacer	2	
22	50072X/5	Bearing	2	
23	50072X/6	Grease Nipple	2	
24	50072X/7	Wheel Nut	10	
25	50072X/8	Wheel Stud	10	
26	50072X/9	Hub	2	
27	50072X/10	Bearing	2	
28	50072X/11	Seal	2	
29	50072X/12	Shroud	2	
30				
31				
	50071	Wheel Complete Consists Of:		
32	33117	6.00x9-6Ply Tyre	1	
33	33118	Tube	1	
34	50077	Wheel Rim	1	
		Depth Disc Assemblies Consists Of:		
35	33336	Axle Shaft	2	
36				
37	17201	Stud	8	
38	17202	Nut	8	
39	17214	Hub	2	
40				
41	33222	Height Indicator	2	
42	50083	LH Depth Handle	1	
	50039	RH Depth Handle (not shown)	1	
43	33279	Adjuster Screw	2	
44	33280	Depth Wheel Leg	2	

SPARE PARTS	2.2b
--------------------	-------------

SPARE PARTS	2.2b
--------------------	-------------

Machines from Serial No FT2 528

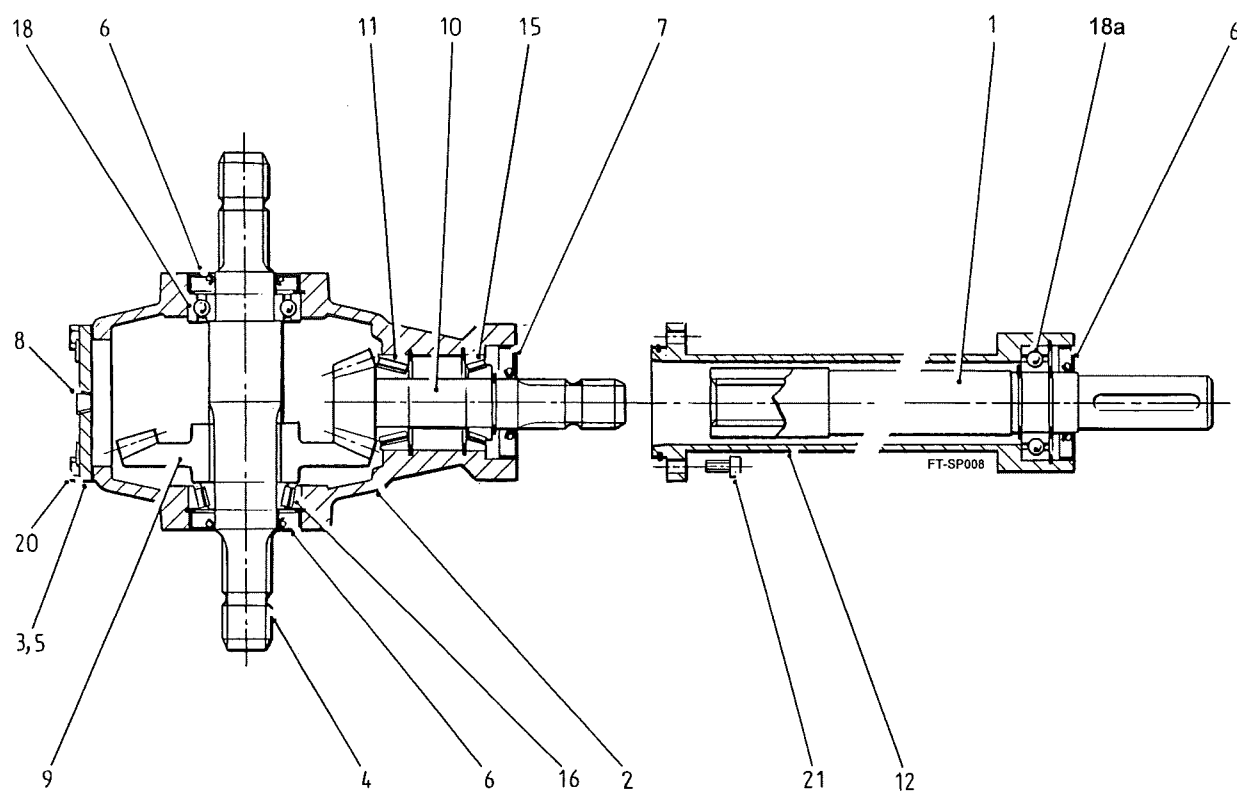
Depth Wheel/Depth Disc Assemblies

[illegible]

Machines from Serial No FT2 500

Gearbox Assembly

Assy No 33164



2.3a**SPARE PARTS**

Machines from Serial No FT2 500

Gearbox Assembly**Assy No 33164**

Item	Part No.	Description	Qty.	Remarks
1	33164/1	Output Shaft (Ø40 ID bearing)	1	Prior to 2014
	33164/1A	Output Shaft (Ø45 ID bearing)	1	From 2014
2	33164/2	Gearbox Casing	1	
3	33164/3	End Plate	1	
4	33164/4	Input Shaft	1	
5	33164/5	Gasket	1	
6	33164/6	Oil Seal (45x85x10)	3	
7	42046/10	Oil seal (35x80x10)	1	Was 33164/7
8	33164/8	Filler Plug	3	
9	33164/9	Input Gear	1	
10	33164/10	Output Gear and Shaft	1	
11	33164/11	Bearing (32207)	1	
12	33164/12	Output Shaft Housing	1	Prior to 2014
	33164/12A	Output Shaft Housing	1	From 2014
13				
14				
15	TH00500305	Bearing (30207)	1	
16	TH00500307	Bearing (30209)	1	
17				
18	6209	Bearing	1	
18a	6308	Bearing (Ø40 ID)	1	Prior to 2014
	6209	Bearing (Ø45 ID)	1	From 2014
19				
20		M8x20 Hex Head Setscrew	8	
21		M10x30 Capscrew	4	

STANDEN ENGINEERING LTD

FLAIL TOPPER Mk2 SPEEDS

1100 rpm Rotor Speed is Standard

STANDARD SPEEDS

PTO Speed	Rotor Speed	Top Pulley	Bottom Pulley	Belt Length
400	1086	315	224	2000
540	1104	250	236	2000
740	1133	250	315	2120
800	1103	200	280	1975
945	1151	224	355	2150
1000	1087	200	355	2120

PULLEYS:

<u>Pulley Size:</u>	<u>Part No.:</u>
180 (2517)	33069
190 (2517)	33158
200 (3020)	33041
224 (3020)	42094
236 (3020)	33335
250 (3020)	33068
280 (3020)	27835/1
315 (3525)	33159
355 (3525)	50027

SPECIAL SPEEDS

PTO Speed	Rotor Speed	Top Pulley	Bottom Pulley	Belt Length
540	1313	315	250	2120
600	1227	250	236	2000
600	1459	315	250	2120
650	1329	250	236	2000
670	1221	236	250	2000
670	1370	250	236	2000

BUSHES:

<u>Bush Size:</u>	<u>Part No.:</u>
2517/40	33082
3020/40	SS88-75-509
3525/40	33155
2517/45	33154
3020/45	33042
3525/45	33156

BELTS:

<u>Belt Length:</u>	<u>Part No.:</u>
1800	VB77
1900	VB78
1975	VB88
2000	VB82
2120	VB85
2150	VB89