

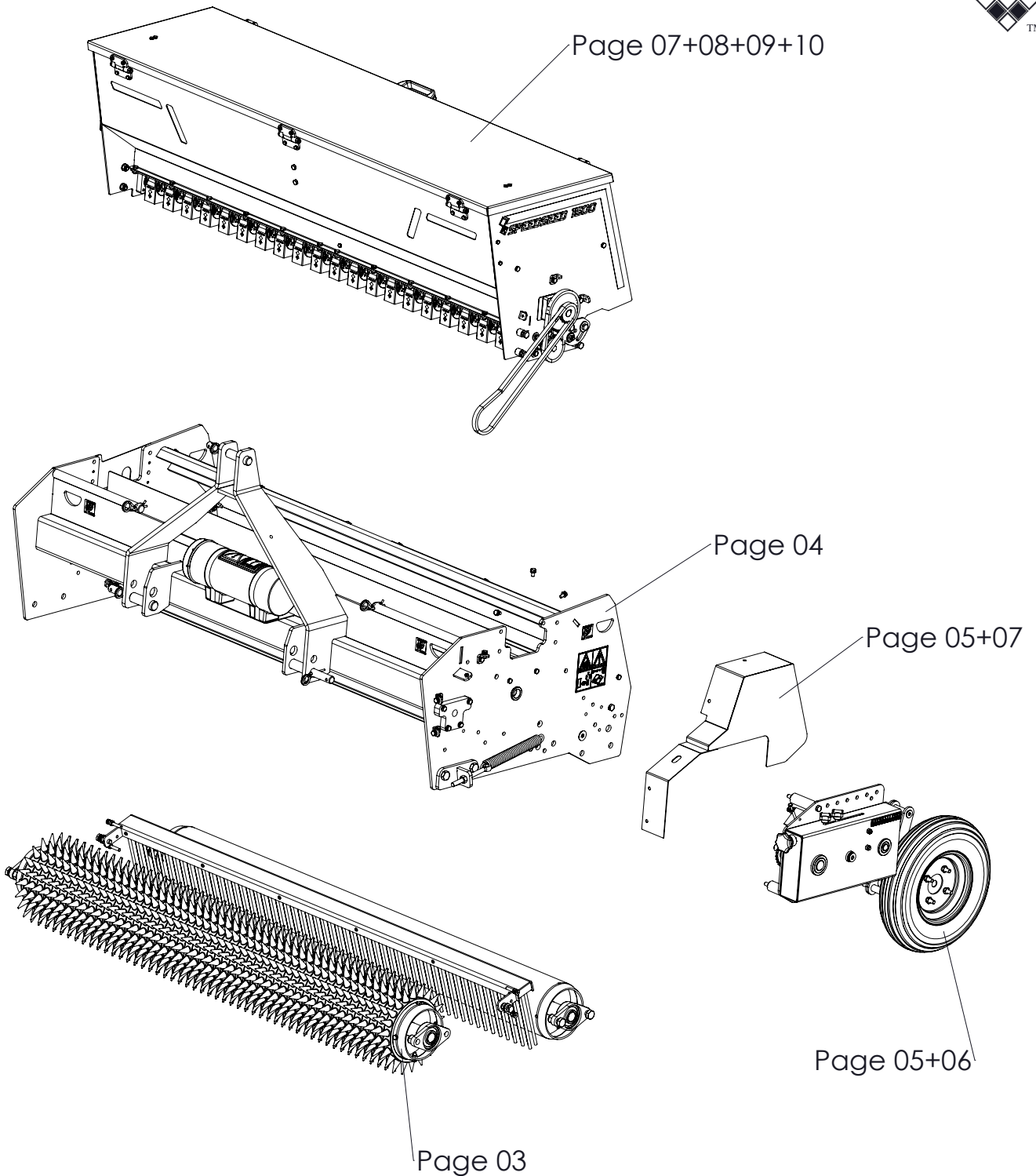
SPEEDSEED 2000-2300



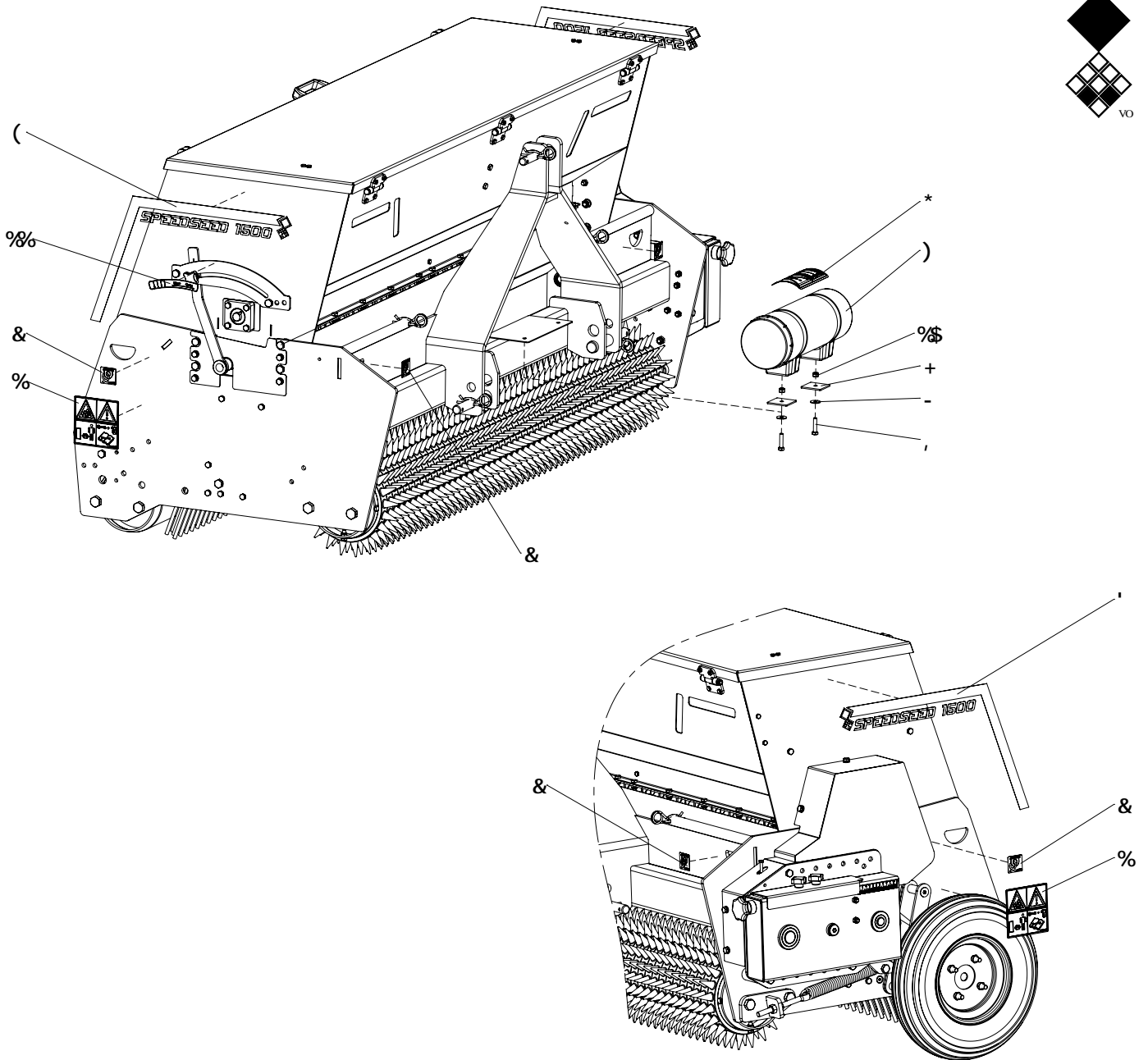
Version: 2142



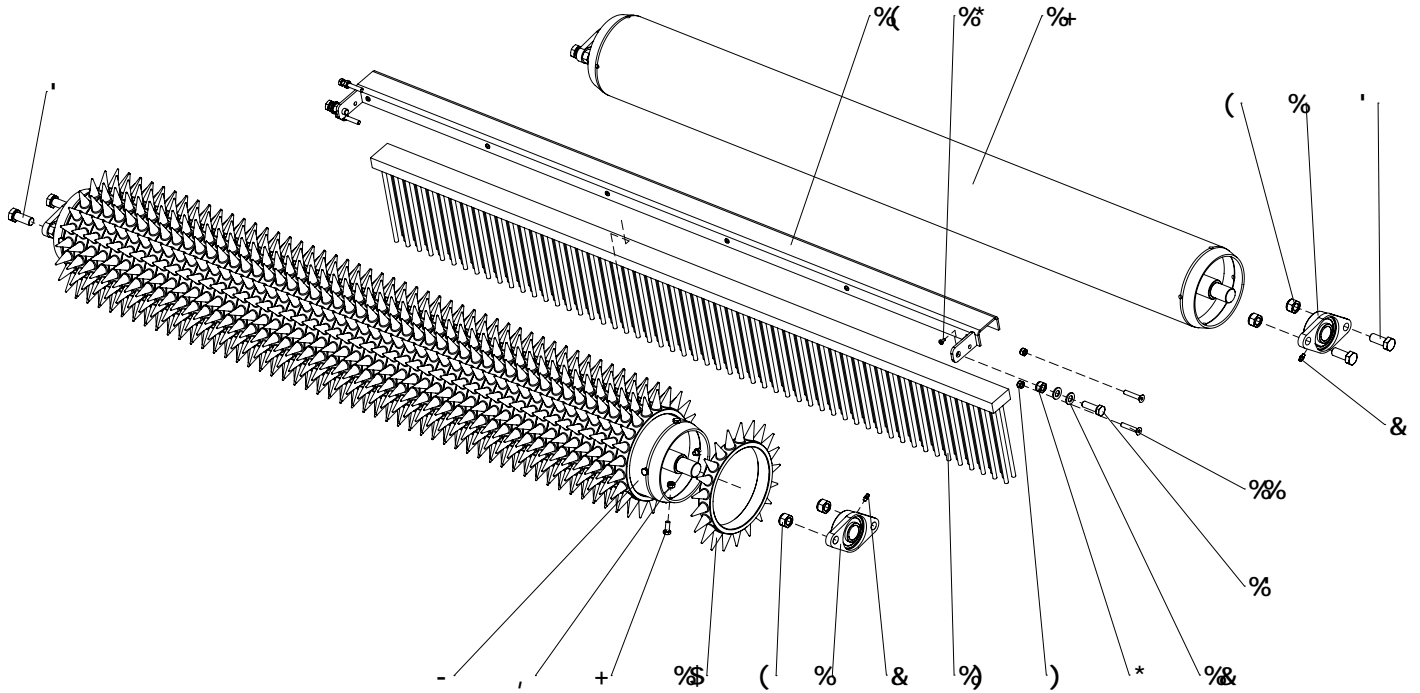
Kwekerijweg 8 | 3709JA | Zeist | The Netherlands |
T: +31 (0)306 933 227
E: redexim@redexim.com
W: www.redexim.com



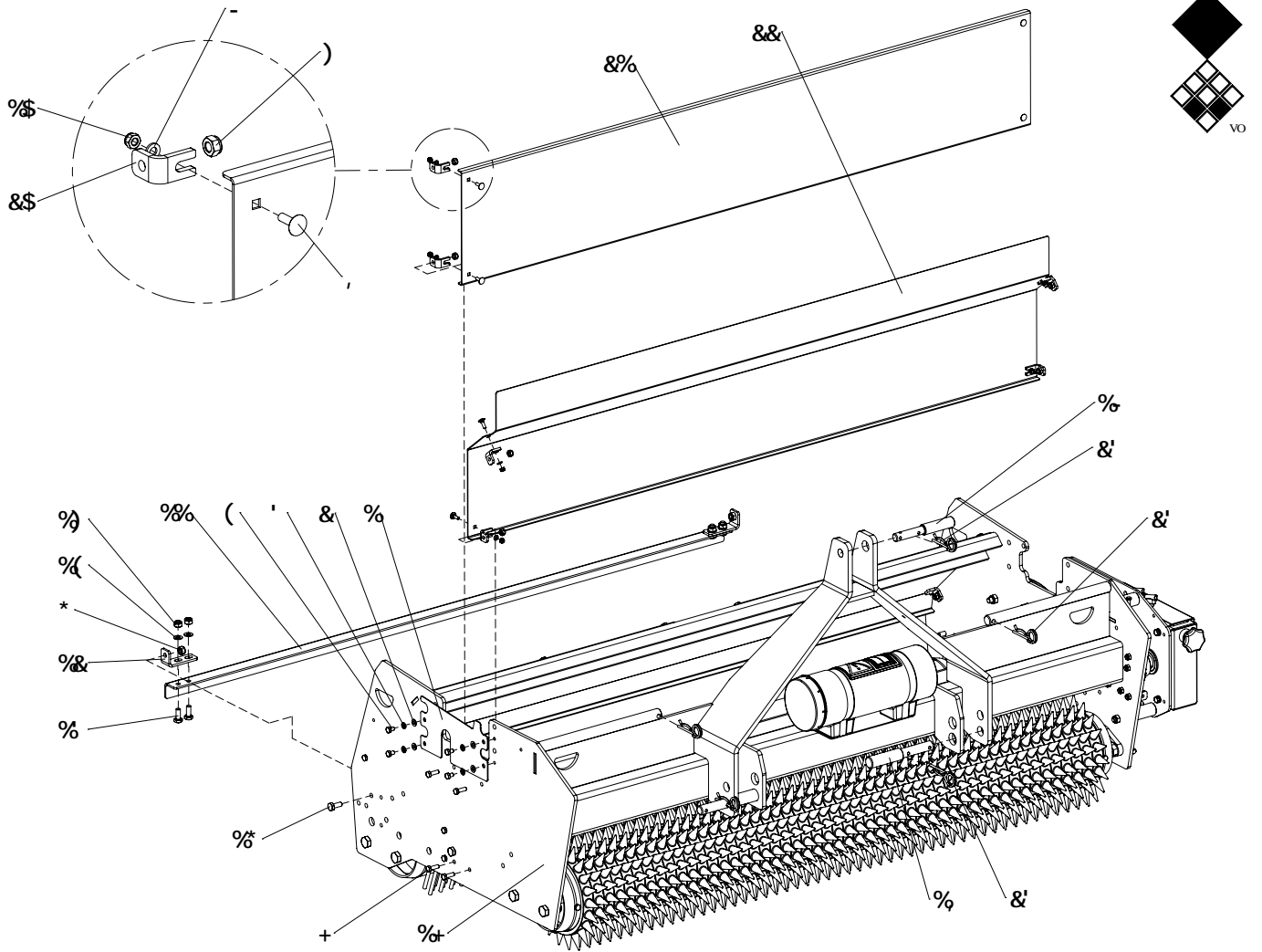
Page 11 - Option: Rear roller with spikes
Page 12 - Option: Brush scraper complete
Page 13 - Option: Crushing rear roller
Page G1: Gearbox



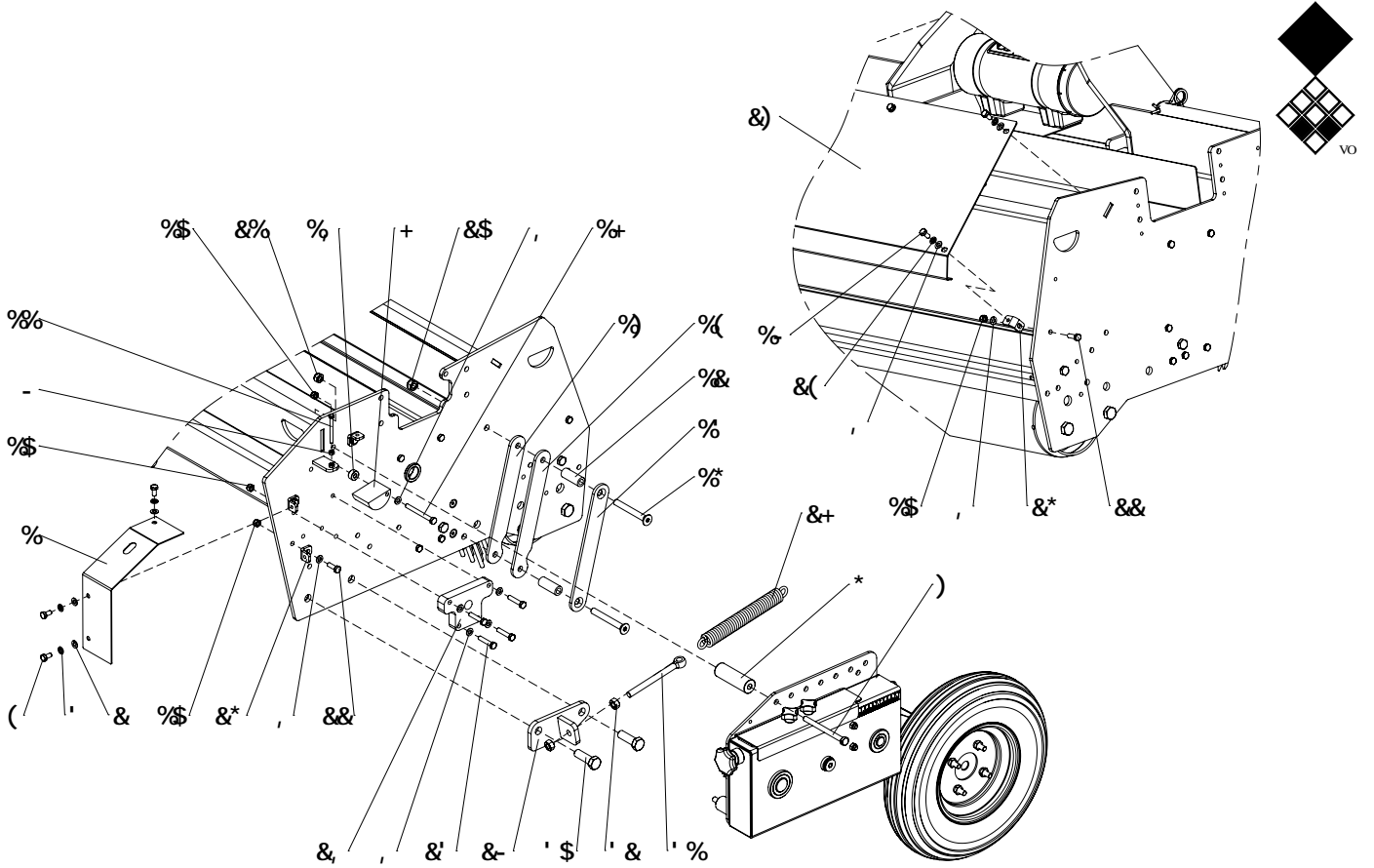
#DA	D5FHBI A 69F	89G7 F-DHC B	F9A 5F?G	E15` &\$\$\$	E15` &' \$\$
%	- &%&, \$"(\$&	GUZYlmXYWU""J G		&	&
&	- &&" (\$"\$\$,	8YWU""Z] Uh]cb`dc]bh		((
'	- \$\$\$&*\$\$"\$\$(\$	@JYV""gdYYXgYYX`&\$\$\$`Y Zh		%	\$
	- \$\$\$&*\$\$"\$\$*	@JYV""gdYYXgYYX`&' \$\$`Y Zh		\$	%
(	- \$\$\$&*\$\$"\$\$)	@JYV""gdYYXgYYX&\$\$\$`f] \h		%	\$
	- \$\$\$&*\$\$"\$\$+	@JYV""gdYYXgYYX`&' \$\$`f] \h		\$	%
)	(((" , \$' "%\$ \$	Hc`Vcl`7`ca`d`YhY		%	%
*	- \$\$\$&, \$"(\$&	GUZYlmXYWU""a Ubi U`		%	%
+	(* , "\$' "\$')' \$	Hc`Vcl`Vc`bfUd`UHf		&	&
,	, \$("\$, \$"") \$	6c`hA , 'l`') !`-GC`(`\$%+		&	&
-	, *("\$, \$"\$&(\$	@f]`Y`k`Ug`YfA , !`8`B`-`\$&%		&	&
%\$	, '\$\$,\$\$, \$ \$	GY`Z@c`W`Bi`hA , !`-GC`%\$`)%%		&	&
%%	- &(" (\$"\$\$\$	8YWU""UX↑`gha`Ybhj`Uj`Y		%	%



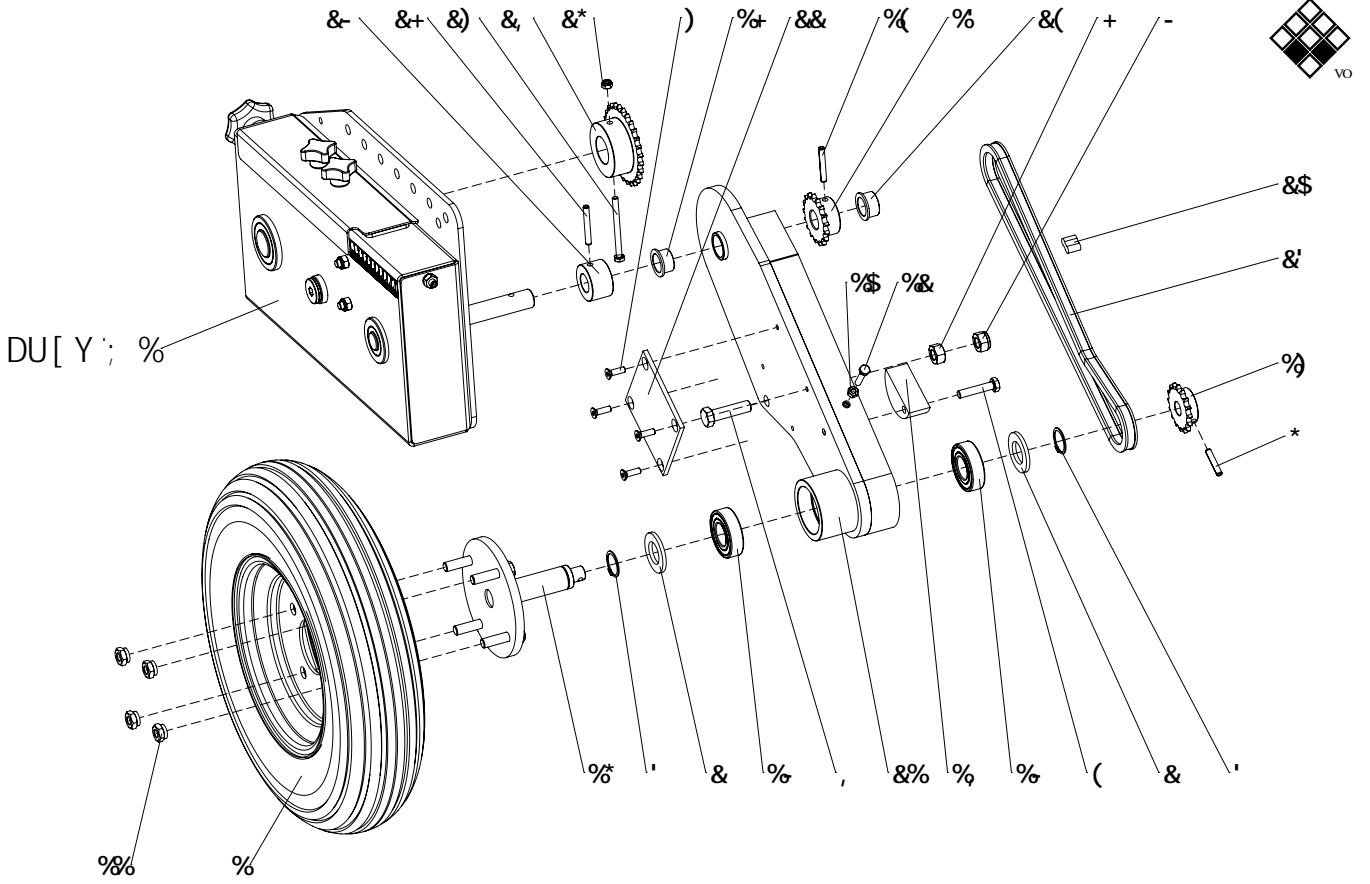
#DA	D5FHBI A 69F	89G7 F-DHC B	F9A 5F?G	E15` &\$\$\$	E15` &' \$\$
%	+(&"(\$\$) &\$	6YUf]b[`l 7: @&\$,		((
&	, , \$*\$ %&\$	; fYUgY`b]dd`Y`A *`8-B`+%(%&5		((
'	, \$("%* \$"(\$\$	6c`hA`%`l`(`\$!`-€C`(`\$%+		*	*
(	, ' %* %* % \$	GY`Z@W`_Bi`hA`%*`%\$`-`l`-€C``%\$)`%%		,	,
)	, ' \$ \$, \$ \$, \$	GY`Z@W`_Bi`hA` , `l`-€C``%\$)`%%		((
*	, ' %&\$ %&\$	GY`Z@W`_Bi`hA` %&!`-€C``%\$)`%%		&	&
+	, \$("\$, \$"&\$ \$	6c`hA` , `l`&\$!`-€C`(`\$%+		,	,
,	, ' \$ \$, \$ \$, \$	GY`Z@W`_Bi`hA` , `l`-€C``%\$)`%%		,	,
-	(+, "\$) - "&\$ \$	6UW`_fc`Yf		%	\$
	(+, "\$) - "&(\$	6UW`_fc`Yf		\$	%
%\$	' %* "&+&"\$&-	Gd`_YX`GY[a`Ybh		*+	+*
%%	, %* "\$, \$"(\$)	6c`hA` , `l`(`) `8-B`+--`-%		&	&
%&	, * ("&\$ "\$' \$	K`Ug`Yf`A` %&!`-€C``+ \$,` -		((
%	, \$("%&\$"(\$\$	6c`hA` %&l`(`\$!`-€C`(`\$%+		&	&
%(	(-("&%\$"% \$	K`Y`X`Uggml`!W`UbbY`Vfi`g\		%	\$
	(-("&(\$"% \$	K`Y`X`Uggml`!W`UbbY`Vfi`g\		\$	%
%)	(, *)' - "%&\$	FYUF`U[`Vfi`g\		&	\$
	(, *&%- "&('	FYUF`U[`Vfi`g\		\$	%
%*	, * \$ \$) \$ "% \$	HUdd]b[`gMYk`(`", `l`%`!`8-B`+\$(`-		%\$	%&
%+	(+, "\$) - "&\$ \$	6UW`_fc`Yf		%	\$
	(+, "\$) - "&(\$	6UW`_fc`Yf		\$	%



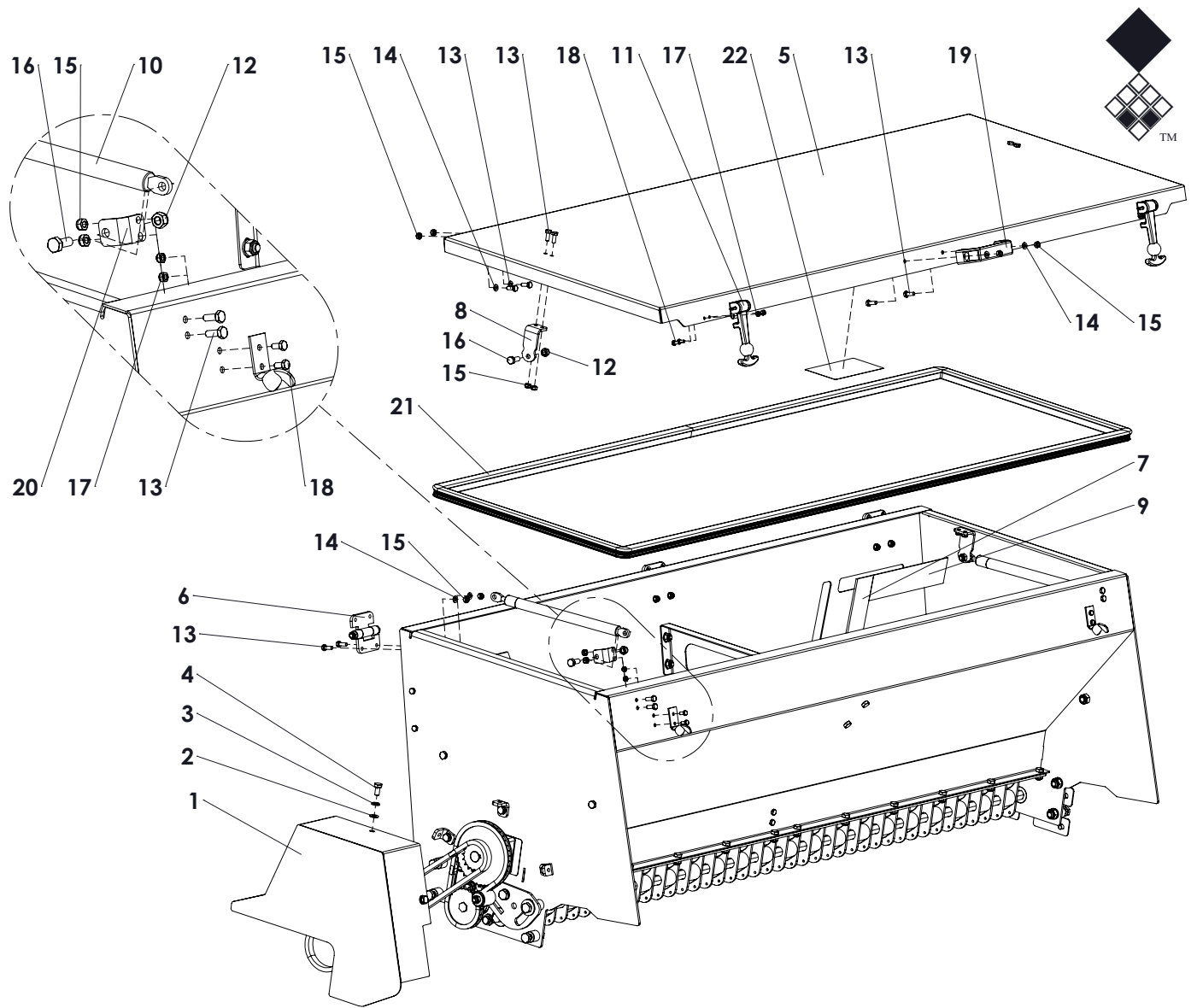
#DA	D5FHBI A 69F	8 9G7 F-ÐHC B	F9A 5F?G	E I 5` &\$\$\$	E I 5` &` \$\$
%	() *"\$&&"* \$\$	GjXY`Wc j Yfd`UHf		%	%
&	, *("\$, \$"\$` \$	K Ug\YfA , !`-GC` +\$, -		((
'	, **"\$, \$"\$&\$	Gdfjb[`K Ug\YfA , !`8-B` %&+`		((
(	, \$("\$, \$"%&\$	6c`hA , !`%&!` -GC` (\$%+		((
)	, '\$"\$, \$"\$, \$	GY`Z@c`W`_`Bi`hA , !`-GC` %\$) %%		,	,
*	, '\$"%\$"\$%\$&\$	GY`Z@c`W`_`Bi`hA` %\$!` -GC` %\$) %%		&	&
+	, \$("\$, \$"&) \$	6c`hA , !`&) !`-GC` (\$%+		,	,
,	, &\$"\$*\$"&\$\$\$	A <`6c`hA` *`!`&\$`-GC` ,` *`++		,	,
-	, *("\$*\$"\$` \$	K Ug\YfA *`!`-GC` +\$, -		,	,
%\$	, '\$"\$*\$"\$*\$` \$	GY`Z@c`W`_`Bi`hA` *`!`-GC` %\$) %%		,	,
%%	(* , "\$(-`&%&	GWfUdYf		%	\$
	(* &\$(-`&(&	GWfUdYf		\$	%
%&	(* (" \$) ,) \$	6fUW`_`Yhg`fUdYf		&	&
%	, \$("%\$&\$&) \$	6c`hA` %\$!` &) !`-GC` (\$%+		((
%{	, *("%\$&\$` \$	K Ug\YfA` %\$!` -GC` +\$, -		((
%}	, '\$"%\$"\$%\$&\$	GY`Z@c`W`_`Bi`hA` %\$!` -GC` %\$) %%		((
%*	, \$("%\$&\$&) \$	6c`hA` %\$!` &) !`-GC` (\$%+		&	&
%+	(- ("&%` "\$, +	: fUa`Y`Gd`YYX`g`YYX`&\$\$\$		%	\$
	(- ("&(+` "\$, +	: fUa`Y`Gd`YYX`g`YYX`&` \$\$		\$	%
%	) &%&&%*` \$	`!`dc`]`bd`]`b		&	&
%-	) &%%` %*` \$	H`d` `]`b`_`d`]`b` `C`G		%	%
&\$	(* (" \$) ') \$	7`c`j`Y`f`a`c`i`b`h`b`[` `V`f`U`W`_`Y`h		,	,
&%	(* , "\$&-` "&%%	G`Y`Y`X` ;` i`]`X`Y`D`U`H`Y` :`f`c`b`h		%	\$
	(* , "\$&-` "&(` %	G`Y`Y`X` ;` i`]`X`Y`D`U`H`Y` :`f`c`b`h		\$	%
&&	(* - "\$&-` "&%	G`Y`Y`X` [` i`]`X`Y`d`U`H`Y` `Z`f`c`b`h		%	\$
	(* - "\$&-` "&(`)	G`Y`Y`X` [` i`]`X`Y`d`U`H`Y` `Z`f`c`b`h		\$	%
&'	) &' \$) %\$&\$	F`!`W`d` `F`c`i`b`X` `) `Z`8`-B` %\$&&(`))



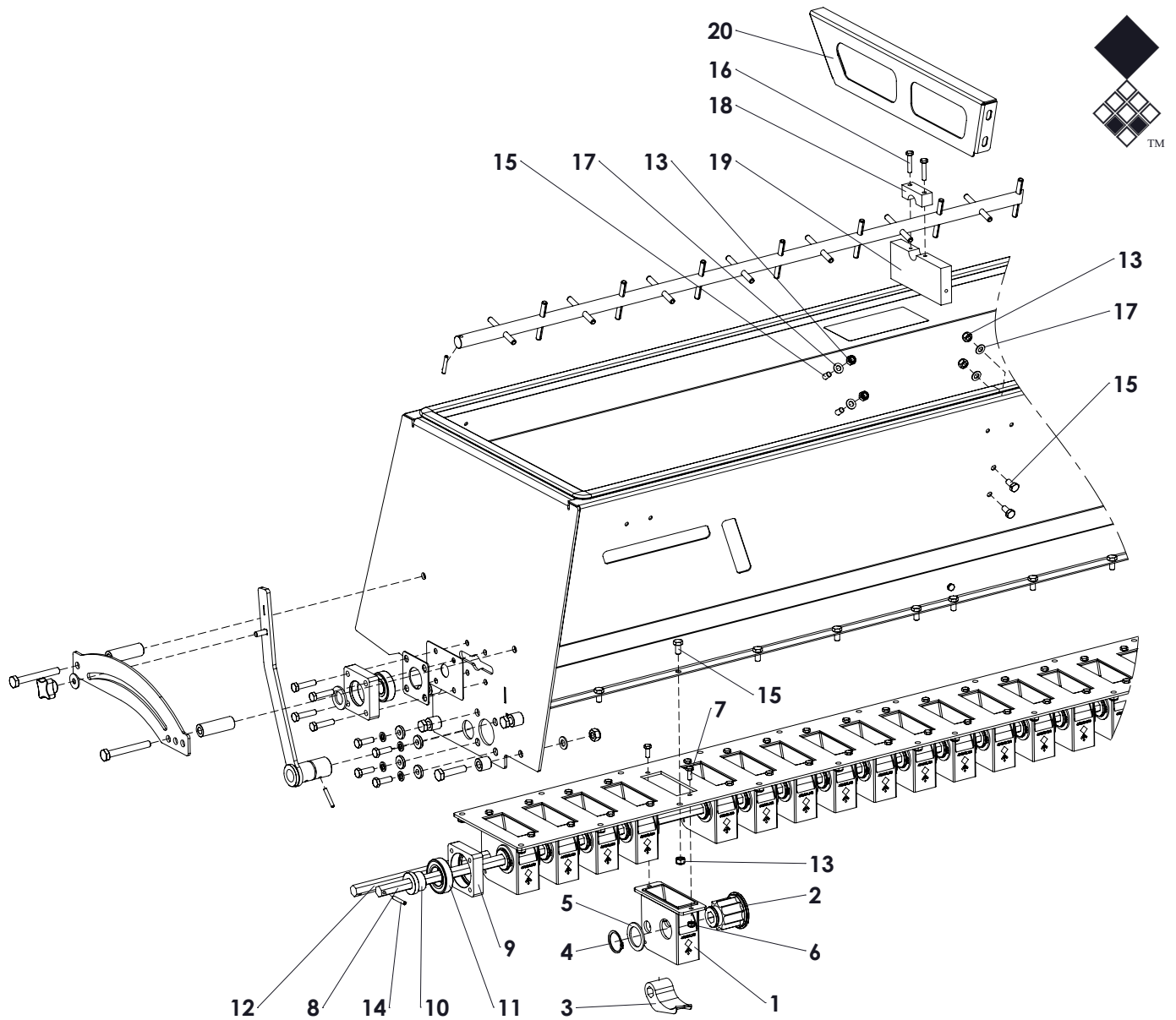
#DA	D5FHBI A 69F	8 9G7 F-ÐHC B	F9A 5F?G	E I 5` &\$\$\$	E I 5` &` \$\$
%	() *"% *"\$, ,	7 c j Yf		%	%
&	* (" \$, "\$ \$' \$	K Ug\YfA , !-€C '+\$, -		'	'
'	, ** \$, "\$&\$	Gd fjb['K Ug\YfA , ! 8-B %&+`		'	'
(	,\$ (" \$, "\$ %* \$	6c hA , ! %* !-€C ` (\$%+		'	'
)	, \$&%\$%&\$\$\$	6c hA %\$!`%&\$!-€C ` (\$%('	'
*	(\$&"%\$"- &\$	GdUWf		'	'
+	(((") \$\$\$* \$\$	7 \U]b`hYbg]cbYf		%	%
,	* (" \$, "\$ \$' \$	K Ug\YfA , !-€C '+\$, -		%*	%*
-	, &* "\$ \$' \$* \$	Bi hA *!`8-B`-' (%	%
%\$	, ' "\$ \$, "\$ \$, \$	GYZ@W_Bi hA , !-€C`%\$)%%		%	%
%%	,\$ (" \$* "\$ \$	-€C ` (\$%+!`A * !`* \$!7		%	%
%&	(\$*"&\$%)%\$	6cW_Vi g\`Gk`]b[`Ufa		&	&
%	(* , "\$* &, \$ (	; i]XY`gk`]b[`Ufa		%	%
%{	(((" \$* &, "\$ \$	; i]XY`gk`]b[`Ufa		%	%
%}	(* , "\$* &, "\$ \$	GdUWf		%	%
%*	, %* "%&%\$ \$\$\$	7 G?`GWYk`A %&!`%\$ \$!`8-B`+-- %		&	&
%+	, \$&" \$, "\$ \$, \$	6c hA , ! , \$!-€C ` (\$%(%	%
%	(\$&" \$, "\$ %\$ \$	8]g]UbWV`Vi g\		%	%
%-	,\$ (" \$, "\$ %* &	6c hA , ! %* !-€C ` (\$%+		((
&\$	, ' "\$%&\$"%&\$	GYZ@W_Bi hA %&!-€C`%\$)%%7`Ugg%\$"-		&	&
&%	, ' "\$%\$"%&\$	GYZ@W_Bi hA %\$!-€C`%\$)%%		'	'
&&	,\$ (" \$, "\$ &) \$	6c hA , ! &) !-€C ` (\$%+))
&'	,\$ (" \$, "\$ (\$ \$	6c hA , ! `(\$!-€C ` (\$%+		((
&{	, ** \$, "\$&\$	Gd fjb['K Ug\YfA , ! 8-B %&+`		((
&}	(* , "\$&- "%&*	7 c j Yf d`UHf		%	\$
	(* , "\$&- "&{)	7 c j Yf d`UHf		\$	%
&*	(* (" \$) "\$ "\$ \$	7 c j Yfa ci bh]b[`VfUW_Yh		+	+
&+	) +) "\$ & & \$	Gd fjb[`k \YY`UI`Y		%	%
&.	(((" &\$%" "\$ \$	6YU]b[`d`UHf		%	%
&-	(+ "\$ %\$%) + \$	6fUW_Yhgd]b[`hYbg]cbYf		%	%
' \$	,\$ (" %* "\$) "\$ \$	6c hA %*`!`)\$!-€C ` (\$%+		&	&
' %	, &&"%&%(\$ \$ \$	9nY`6c hA %&]%(\$ 8-B`(((@`f]b[`h`fYUXL		%	%
' &	, &* "%&\$"%&\$	Bi hA %&!`8-B`-' (&	&



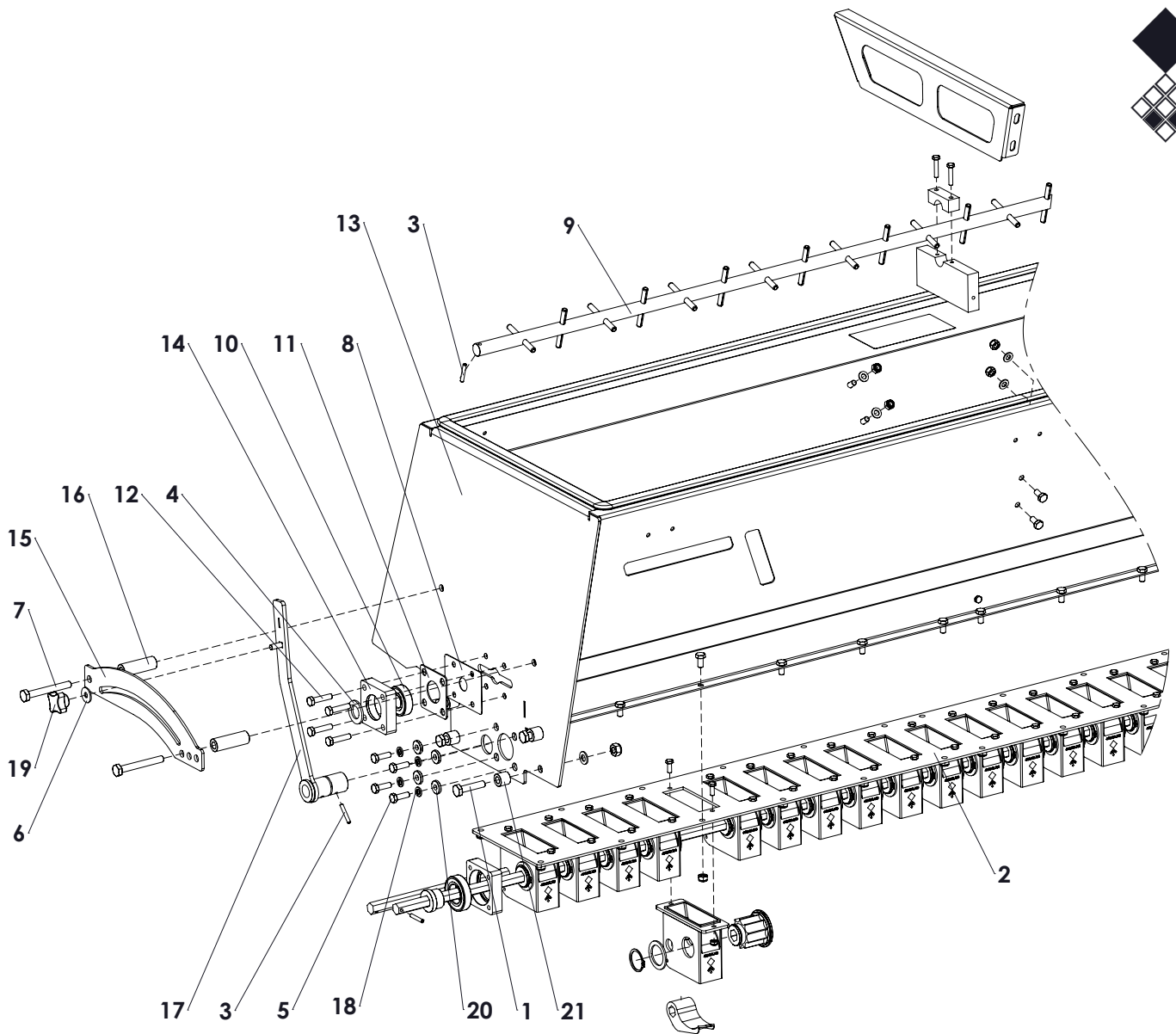
#9A	D5FHBI A 69F	8 9G7 F-DHC B	F9A 5F?G	E I 5' &\$\$\$	E I 5' &' \$\$
%	) %0' (\$\$%\$*	HfY' ("\$\$!, #(DF		%	%
&	, *("&(\$\$(	K Ug\YfA &(!-GC'+\$, -		&	&
'	, + "\$&)"%&\$	7 jWjd'X1&)'!8-B'(+%		&	&
(	, \$&\$,\$"(\$\$	6c'hA, 'l'(\$!-GC'(\$%		%	%
)	, %"\$*\$"&\$\$	6c'hA *'l'&\$!8-B'+---%		((
*	, +, "\$*\$" &\$	Fc`D]b`*`l`(`!-GC', +) &		%	%
+	, &*"0&\$"0&\$	Bi hA %&!8-B'-' (%	%
,	, \$&%&\$"() \$	6c'hA %&l'()'`-GC'(\$%`		%	%
-	, ' %&0\$"0&\$	GYZ@W_Bi hA %&!-GC' %\$) %%"7 Ugg' %\$"-		%	%
%\$	, &*\$*\$"\$*\$	Bi hA *'l'8-B'-' (%	%
%%	, (("%\$0\$0\$0\$	K \YY`bi hA %\$l' %&)		((
%&	, (\$"\$*\$" \$	6c'hA *'l' '\$!-GC' (\$%+		%	%
%	*') "\$\$\$") +&	Gd'fcW_Y'h' #, "'f\$*6E'gja d'YI' %&N		%	%
%(	, +, "\$*\$"(\$\$	Fc`D]b`*`l`(\$!-GC', +) &		%	%
%)	*') "\$\$\$"(\$	Gd'fcW_Y'h' #, "'f\$*6E'gja d'YI' %&N		%	%
%*	(+("&)%(\$\$	K \YY`i V		%	%
%+	(((&0\$0\$0\$) &	6YUf]b['Vi g\ gk]b[Ufa		%	%
%	((("&)"\$*\$ \$	7 \U]b' hY'bg]c bYf		%	%
%	+% "&)"\$0\$ \$	6YUf]b['* &\$)!@		&	&
&\$	*', "\$- "\$-\$-\$	7 \U]b' Wc'bbY'Wc'f' S, ']bW' *6 G]a d'YI		%	%
&%	(* *%&)"\$0\$ \$	: fUa Y' gk]b[Ufa		%	%
&&	((("&)"\$0\$ \$	; i]X'Y' d'UH' gk]b[Ufa		%	%
&'	*' %\$\$\$", %+	7 \U]b' #, "'G]a d'YI' @, %+		%	%
&(	(( (&0\$0\$0\$) \$	6YUf]b['Vi g\ [YUfU] Y		%	%
&)	, \$&\$*\$"+\$\$	6c'hA *'l'+'\$!-GC'(\$%		%	%
&*	, ' %"\$*\$"\$*\$	GYZ@W_Bi hA *'l'(-GC' %\$) %%		%	%
&+	, +, "\$*\$"() \$	Fc`D]b`*`l`(!-GC', +) &		%	%
&.	*') "\$\$\$"- &\$	Gd'fcW_Y'h' #, "'f\$*6E'gja d'YI' &, N'k' '\$		%	%
&-	(\$&0\$0\$)(\$	8]gU]bW' Vi g\		%	%



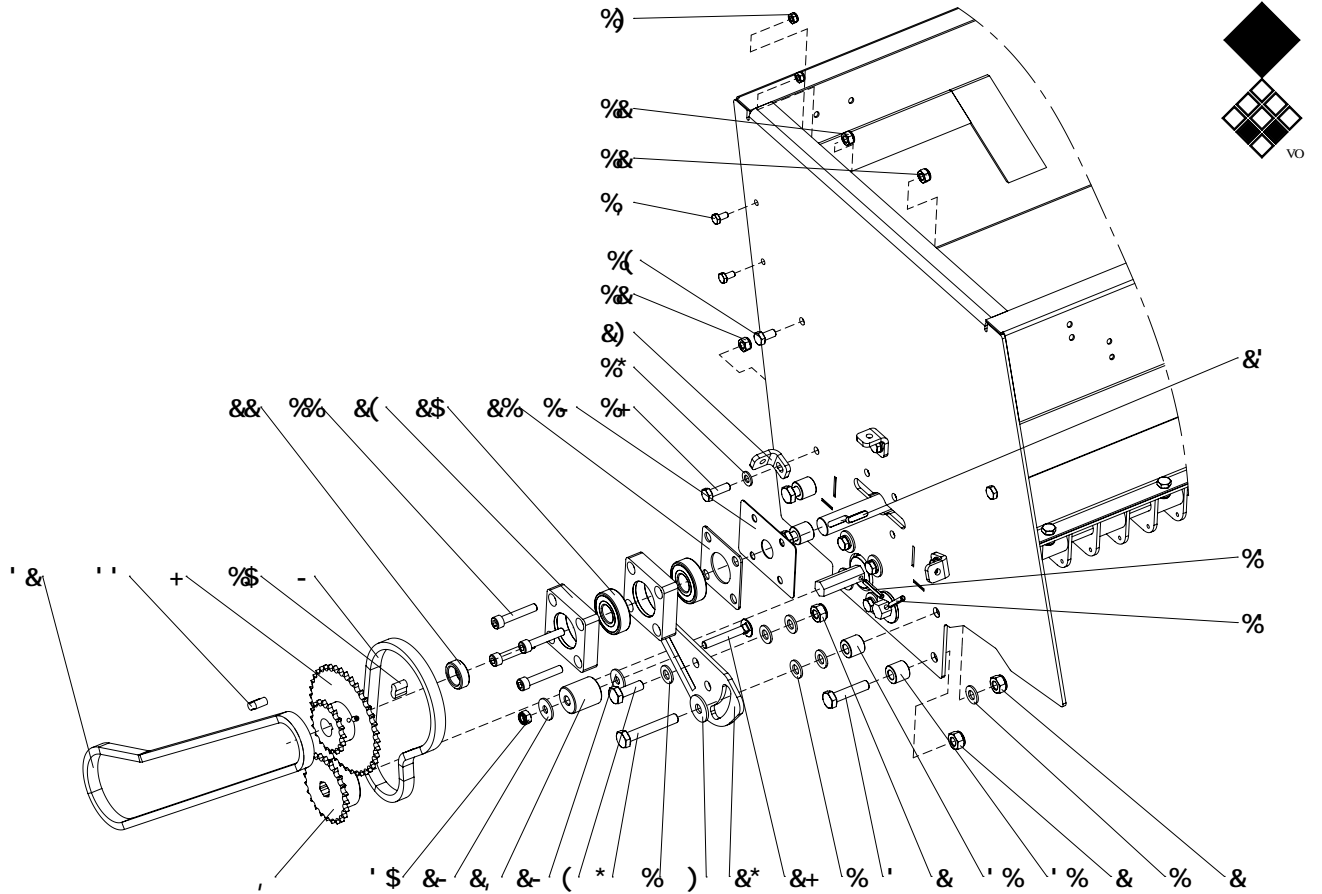
ITEM	PART NUMBER	DESCRIPTION	REMARKS	QUA 2000	QUA 2300
1	456.407.116	Cover		1	1
2	864.080.030	Washer M8 - ISO 7089		3	3
3	866.080.020	Spring Washer M8 - DIN 127		3	3
4	804.080.160	Bolt M8 x 16 - ISO 4017		3	4
5	456.215.052	Top cover		1	0
	456.243.052	Top cover		0	1
6	899.100.634	Hinge		3	3
7	444.041.300	Window		2	2
8	468.040.654	Support L=65mm		2	2
9	444.042.100	Window angle		2	2
10	571.224.854	Gas strut L=485/stroke=200, F=150N		2	2
11	590.650.000	Rubber lock assy		2	2
12	830.080.080	Self Lock Nut M8 - ISO 10511		6	6
13	804.060.160	Bolt M6 x 16 - ISO 4017		18	18
14	864.060.030	Washer M6 - ISO 7089		18	18
15	830.060.060	Self Lock Nut M6 - ISO 10511		18	18
16	804.080.200	Bolt M8 x 20 - ISO 4017		4	4
17	830.050.050	Self Lock Nut M5 - ISO 10511		8	8
18	804.050.100	Bolt M5 x 10 - ISO 4017		8	8
19	444.151.250	Handle		1	1
20	468.040.302	Support L=30mm		2	2
21	592.130.002	Glass Rubber		0	1
	592.130.008	Glass Rubber		1	0
22	924.280.000	Decal seed hopper		1	1



ITEM	PART NUMBER	DESCRIPTION	REMARKS	QUA 2000	QUA 2300
1	444.050.133	Seed element casing		28	31
2	444.058.510	Seed element rotor		28	31
3	444.034.760	Seed element valve		28	31
4	870.032.160	Circlip d=32 - DIN 471		28	31
5	412.020.450	Washer		28	32
6	830.060.060	Self Lock Nut M6 - ISO 10511		60	62
7	804.060.160	Bolt M6 x 16 - ISO 4017		60	62
8	422.169.220	Shaft		1	0
	422.169.250	Shaft		0	1
9	468.180.706	Bearing block		2	2
10	410.160.182	Bush		2	2
11	713.300.130	Bearing 6006 LLU		2	2
12	422.169.217	Shaft		1	0
	422.169.245	Shaft		0	1
13	830.080.080	Self Lock Nut M8 - ISO 10511		34	38
14	878.050.320	Roll pin Ø5x32		2	2
15	804.080.160	Bolt M8 x 16 - ISO 4017		34	38
16	804.060.300	Bolt M6 x 30 - ISO 4017		2	2
17	864.080.030	Washer M8 - ISO 7089		4	4
18	444.200.550	Guide Block support		2	2
19	444.201.442	Guide lock block		1	1
20	464.025.270	Center plate		1	1



ITEM	PART NUMBER	DESCRIPTION	REMARKS	QUA 2000	QUA 2300
1	804.100.450	Bolt M10 x 45 - ISO 4017		7	7
2	468.049.209	Plate		1	0
3	878.050.320	Roll pin Ø5x32		2	2
4	864.200.030	Washer M20 - ISO 7089		1	1
5	804.080.250	Bolt M8 x 25 - ISO 4017		8	8
6	864.080.024	Large washer M8 - DIN 9021		5	5
7	804.100.800	Bolt M10 x 80 - ISO 4017		2	2
8	468.011.002	Cover plate		1	1
9	474.209.223	Agitator shaft		1	0
	474.209.252	Agitator shaft		0	1
10	713.200.140	Bearing 6204-C-2HRS		1	1
11	468.020.704	Cover plate		1	1
12	804.080.350	Bolt M8 x 35 - ISO 4017		4	4
13	494.213.051	Hopper		1	0
	494.242.051	Hopper		0	1
14	468.180.704	Bearing block		1	1
15	464.041.752	Guide strip		1	1
16	406.110.600	Distance bush Ø20/Ø10.5 L=60		2	2
17	464.063.134	Valve adjustment		1	1
18	866.080.020	Spring Washer M8 - DIN 127		8	8
19	836.080.402	Closed Knob M8 - Din 6335		1	1
20	864.080.043	Washer M8 - DIN 7349		8	8
21	402.100.182	Distance bush		4	4

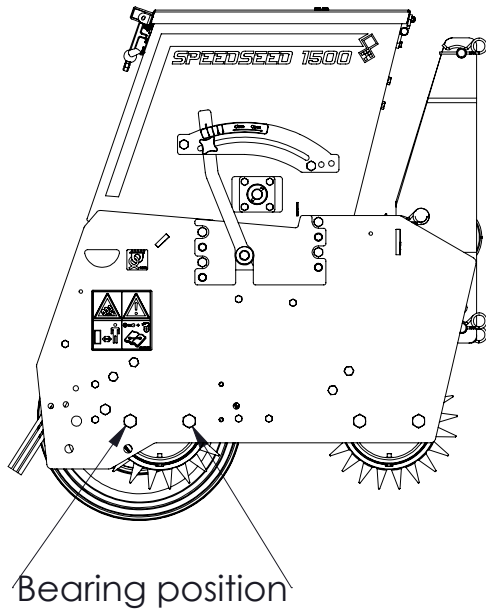


#PA	D5FHBI A 69F	8 9G7 F-DHC B	F9A 5F?G	E I 5' &\$\$\$	E I 5' &' \$\$
%	, * ("%%\$"\$' \$	K Ug\YfA %\$!'-€C '+\$, -		*	*
&	, ' %%%\$"\$%%\$	GYZ@W_Bi hA %\$!'-€C '%\$)%%))
'	, \$ ("%%\$"\$') \$	6c hA %\$! ' () !'-€C ' (\$%+		,	,
(	, \$ ("%%\$"\$" \$ \$	6c hA %\$! ' " \$!'-€C ' (\$%+		%	%
)	, * ("%%\$"\$' \$' %	@Jf[Y'k Ug\YfA %\$! ' 8-B - \$&%		%	%
*	, \$&"%%\$"\$**) \$	6c hA %\$! ' *) !'-€C ' (\$%(%	%
+	(, ( "\$%( "\$\$(	K Y'Xa Ybhgd'fcW_Yh		%	%
,	**) "\$\$\$\$"+**	Gd'fcW_Yh' #, "f\$* 6'Gja d'YI 'N&(<YI '%* "&		%	%
-	**) %\$"\$"\$' (, -	7 \U]b' #, I +# &'z@]) &(%	%
%%	**) '\$- "\$-\$-\$	7 \U]b' Wc'bbYW'c'f' S, ']bW' * 6'Gja d'YI		%	%
%%	, % (" \$, "\$') \$	6c hA , ' () ! 8-B - %&		((
%&	, ' "\$ \$, "\$ \$, \$	GYZ@W_Bi hA , !'-€C '%\$)%%))
%	, +, "\$') "\$' &\$	Fc`d'j'b'«) I' &		&	&
%{	, \$ (" \$, "\$' %* \$	6c hA , ' %* !'-€C ' (\$%+		&	&
%}	, ' "\$*\$"\$*\$*\$	GYZ@W_Bi hA * !'-€C '%\$)%%		&	&
%*	, * (" \$, "\$' \$' \$	K Ug\YfA , !'-€C '+\$, -		,	,
%+	, \$ (" \$, "\$' &) \$	6c hA , ' &) !'-€C ' (\$%+		,	,
%	, \$ (" \$* "\$' %&\$	6c hA * ! '%&!'-€C ' (\$%+		&	&
%	(*, "\$%&'\$\$\$&	7cj Yfd'UH		%	%
&\$	+% "&\$"\$%(" \$	6YUf]b['*&\$(!7!&<FG		&	&
&%	( *, "\$&\$"+\$(	7cj Yfd'UH		%	%
&&	(\$&"&%\$"\$%%\$	8]g]UbW'Vi g\		%	%
&'	, , (" \$* "\$' & ) \$	?Ym*! *I &) ! 8-B * , ,)		%	%
&(	( *, "% \$'+\$&	6YUf]b['V'cW_		&	&
&)	(* (" \$') "\$' \$ \$	7cj Yfa ci bh]b['VfUW_Yh		,	,
&*	(*, "\$') %&) \$	GdUbbYfd'UH		%	%
&+	, &\$"\$ \$, "\$')) \$	A i g'fcca '\YUX 'Vc'hA , I))		%	%
&	(((" "\$' "\$') \$	GdUbbYffc`		%	%
&-	, * (" \$, "\$' & (	@Jf[Y'k Ug\YfA , ! 8-B - \$&%		&	&
' \$	, ' "\$ \$, "\$ \$, \$	GYZ@W_Bi hA , !'-€C '%\$)%%		%	%
' %	(\$&"%\$"\$' % &	8]g]UbW'Vi g\		((
' &	**) %\$"\$-\$' %\$	7 \U]b' #, I +# &'z@] %\$&, "+a a		%	%
' '	**) '\$- "\$-\$-\$	7 \U]b' Wc'bbYW'c'f' S, ']bW' * 6'Gja d'YI		%	%

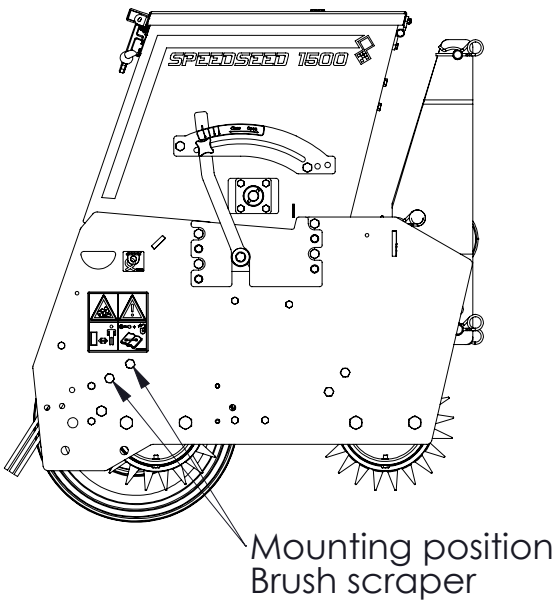
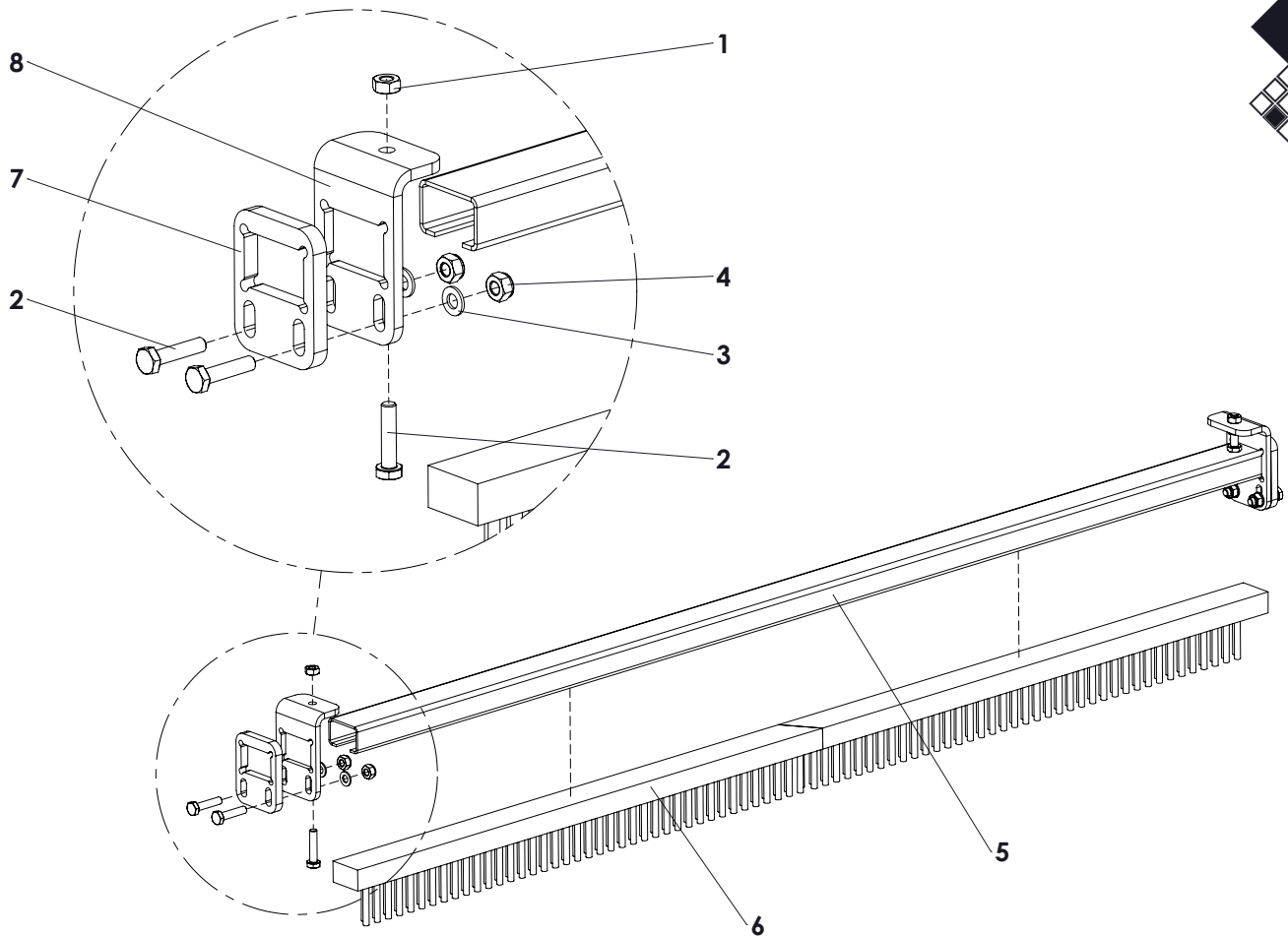


Option: Rear roller with spikes

Kit no.: 2000 - 224.210.000
2300 - 224.240.000



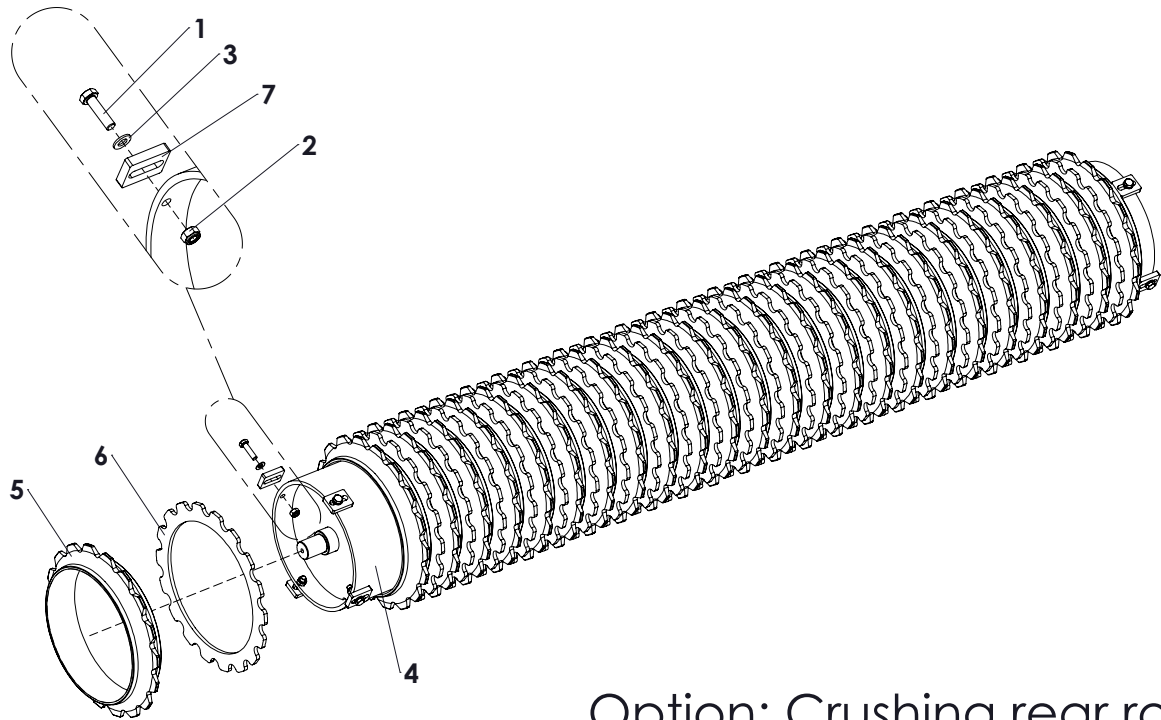
ITEM	PART NUMBER	DESCRIPTION	REMARKS	QUA 2000	QUA 2300
1	804.080.200	Bolt M8 x 20 - ISO 4017		8	8
2	830.080.080	Self Lock Nut M8 - ISO 10511		8	8
3	316.272.029	Spiked Segment		66	75
4	402.174.150	Spacer		2	2



Option: Brush scraper complete

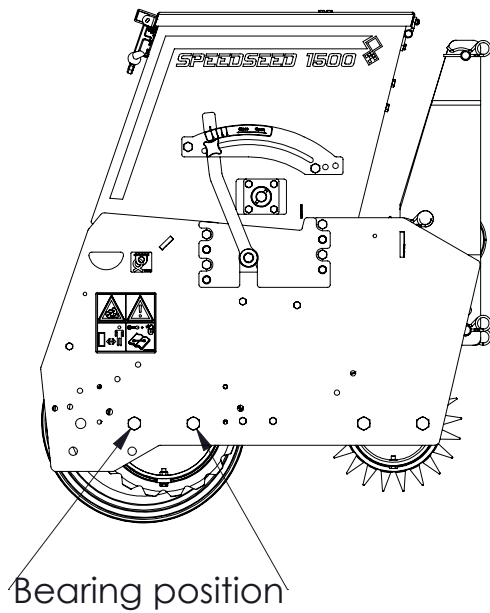
Kit no.: 2000 - 490.809.022
2300 - 490.809.024

ITEM	PART NUMBER	DESCRIPTION	REMARKS	QUA 2000	QUA 2300
1	826.100.100	Nut M10 - DIN 934		4	4
2	804.100.450	Bolt M10 x 45 - ISO 4017		6	6
3	864.100.030	Washer M10 - ISO 7089		4	4
4	830.100.100	Self Lock Nut M10 - ISO 10511		4	4
5	468.039.220	Brush profile		1	0
	468.039.240	Brush profile		0	1
6	486.061.100	Brush		2	0
	486.061.240	Brush		0	2
7	468.121.000	Spacer brush scraper		2	2
8	468.081.100	Clamp bracket brush scraper		2	2

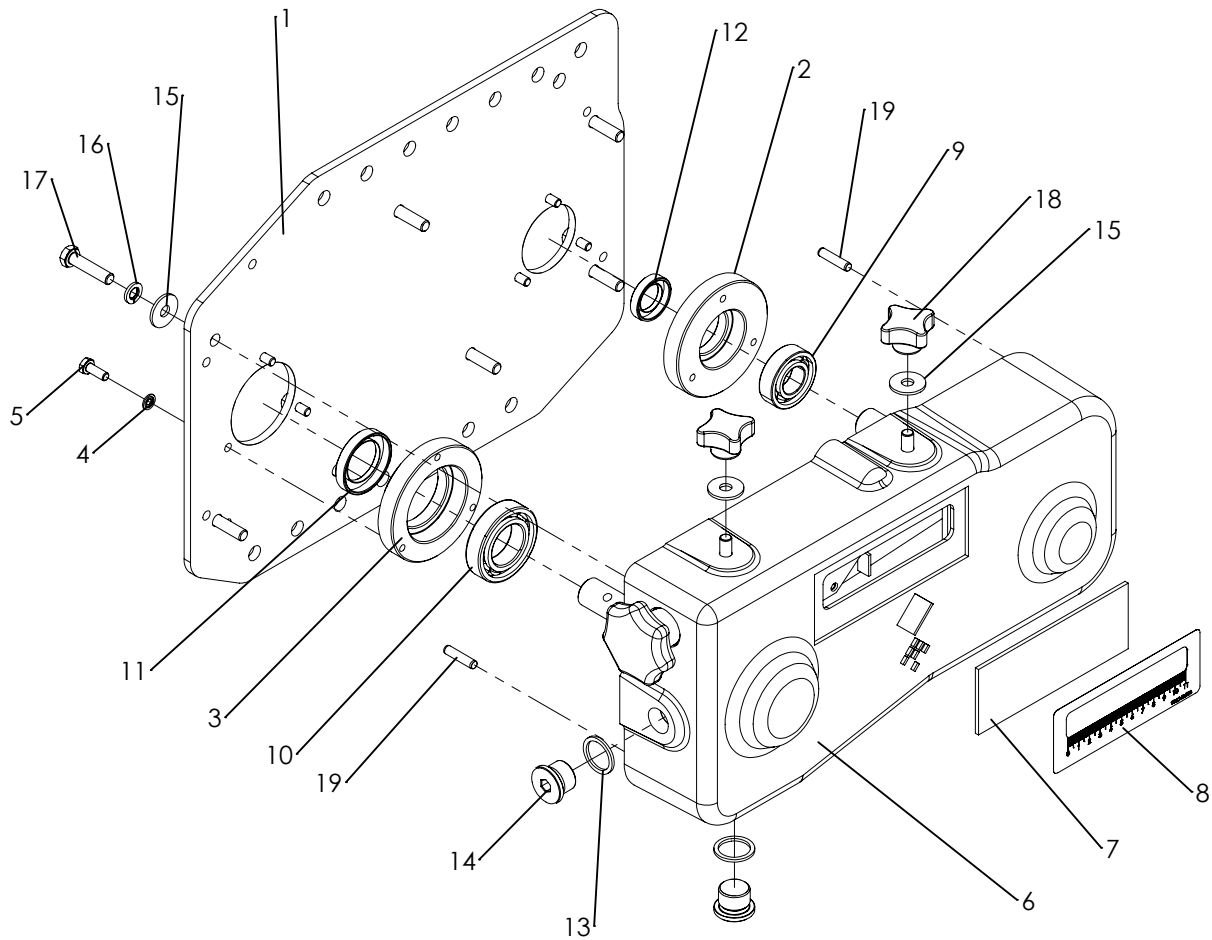


Option: Crushing rear roller

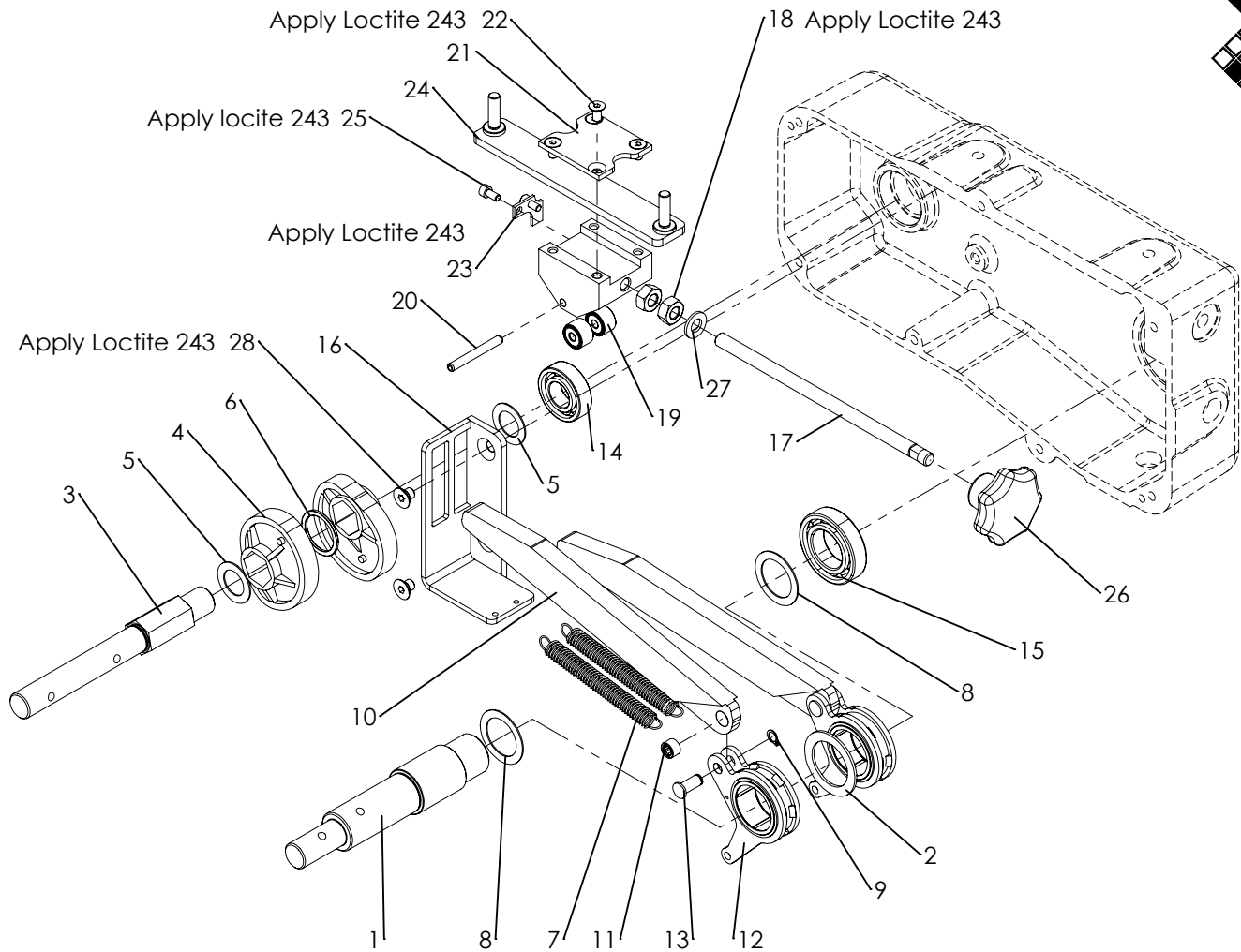
Kit no.: 2000 - 224.210.004
2300 - 224.240.002



ITEM	PART NUMBER	DESCRIPTION	REMARKS	QUA 2000	QUA 2300
1	804.080.300	Bolt M8 x 30 - ISO 4017		8	8
2	830.080.080	Self Lock Nut M8 - ISO 10511		8	8
3	864.080.030	Washer M8 - ISO 7089		8	8
4	488.219.216	Rear roller		1	0
	488.219.245	Rear roller		0	1
5	316.292.055	Cast ring 9"		33	38
6	468.060.285	Spacer ring		34	37
7	468.080.400	Lock strip		8	8

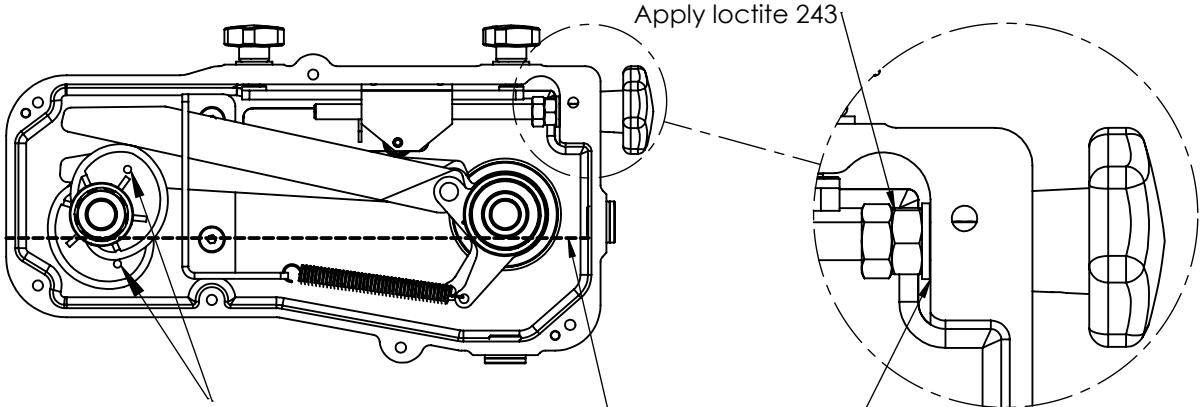


ITEM	PART NUMBER	DESCRIPTION	REMARKS	QUA
1	468.064.060	Lid plate		1
2	434.210.850	Bearing hub Ø42		1
3	434.230.850	Bearing hub Ø55		1
4	874.060.020	Bonded seal ring M6		6
5	804.060.160	Bolt M6 x 16 - ISO 4017		6
6	448.380.800	Casted gearbox housing		1
7	444.021.380	Window		1
8	934.140.510	Gauge decall		1
9	711.200.120	Bearing 6004		2
10	711.300.132	Bearing 6006		2
11	762.300.080	Oil seal 30-45-8		1
12	762.200.070	Oil seal 20-32-7		1
13	874.210.020	Copper washer 1_2		2
14	549.210.200	Blind plug G1/2		2
15	864.080.024	Large washer M8 - DIN 9021		9
16	866.080.020	Spring Washer M8 - DIN 127		7
17	804.080.350	Bolt M8 x 35 - ISO 4017		7
18	836.080.402	Closed Knob M8 - Din 6335		2
19	876.060.260	Parallel pin ISO 8734 - 6 x 26		2
	623.200.400	Gearbox complete		



ITEM	PART NUMBER	DESCRIPTION	REMARKS	QUA
1	422.351.382	Shaft		1
2	444.020.500	Washer		1
3	422.242.020	Shaft		1
4	444.200.730	Excenter		2
5	868.032.100	Shim Ø20xØ32x1.0 DIN988	Quantity depending on clearance	
6	406.280.030	Spacer		1
7	575.010.800	Spring		2
8	868.042.100	Shim Ø30xØ42x1.0 DIN988	Quantity depending on clearance	
9	870.008.080	Circlip d=8 - DIN 471		2
10	464.152.702	Rocker strip		2
11	721.080.080	Bearing HK0808		2
12	442.200.980	Rocker arm assembly		2
13	418.080.200	Pin		2
14	711.200.120	Bearing 6004		1
15	711.300.132	Bearing 6006		1
16	470.120.550	Guide		1
17	852.102.100	Threaded rod M10x210		1
18	826.100.100	Nut M10 - DIN 934		2
19	721.060.120	Roller bearing		2
20	878.060.500	Roll Pin 6 x 50 - ISO 8752		1
21	468.040.530	Lock plate		1
22	816.060.122	Bolt M6 x 12 - DIN 7991		4
23	468.020.490	Indicator		1
24	468.061.620	Slider bracket		1
25	814.050.100	DIN 912 M5 x 10 --- 10C		2
26	836.100.630	Knob M10 with set screw		1
27	864.100.030	Washer M10 - ISO 7089		1
28	816.080.100	Bolt M8 x 10 - DIN 7991		2

Timing, Spindle adjustment and Oil level



Apply loctite 243

Keep $\pm 2\text{mm}$ (0.08") clearance distance between washer and casing! Adjustment must rotate smooth.

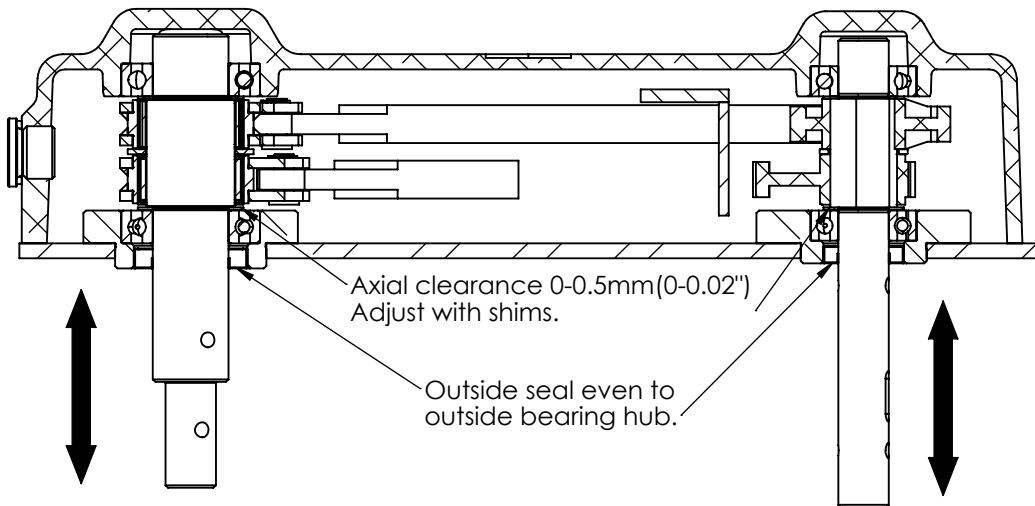
Warning! Make sure the excenters are positioned correct:

- The nodge has to be faced outwards.
- Timing: 180° shifted from each other

If not correctly installed a shocked rotation will occur at the output shaft.

Fill gearbox with $\pm 1,4\text{L}$ (0.37gal.) 80W90 oil
Fill till oil level line (Bottom level plug)

Axial clearance

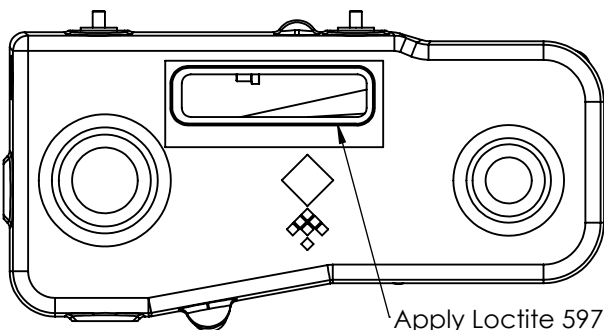


Axial clearance 0-0.5mm (0-0.02")
Adjust with shims.

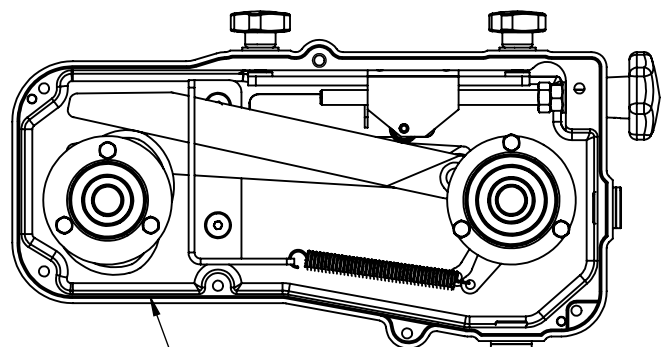
Outside seal even to outside bearing hub.

Sealing plan

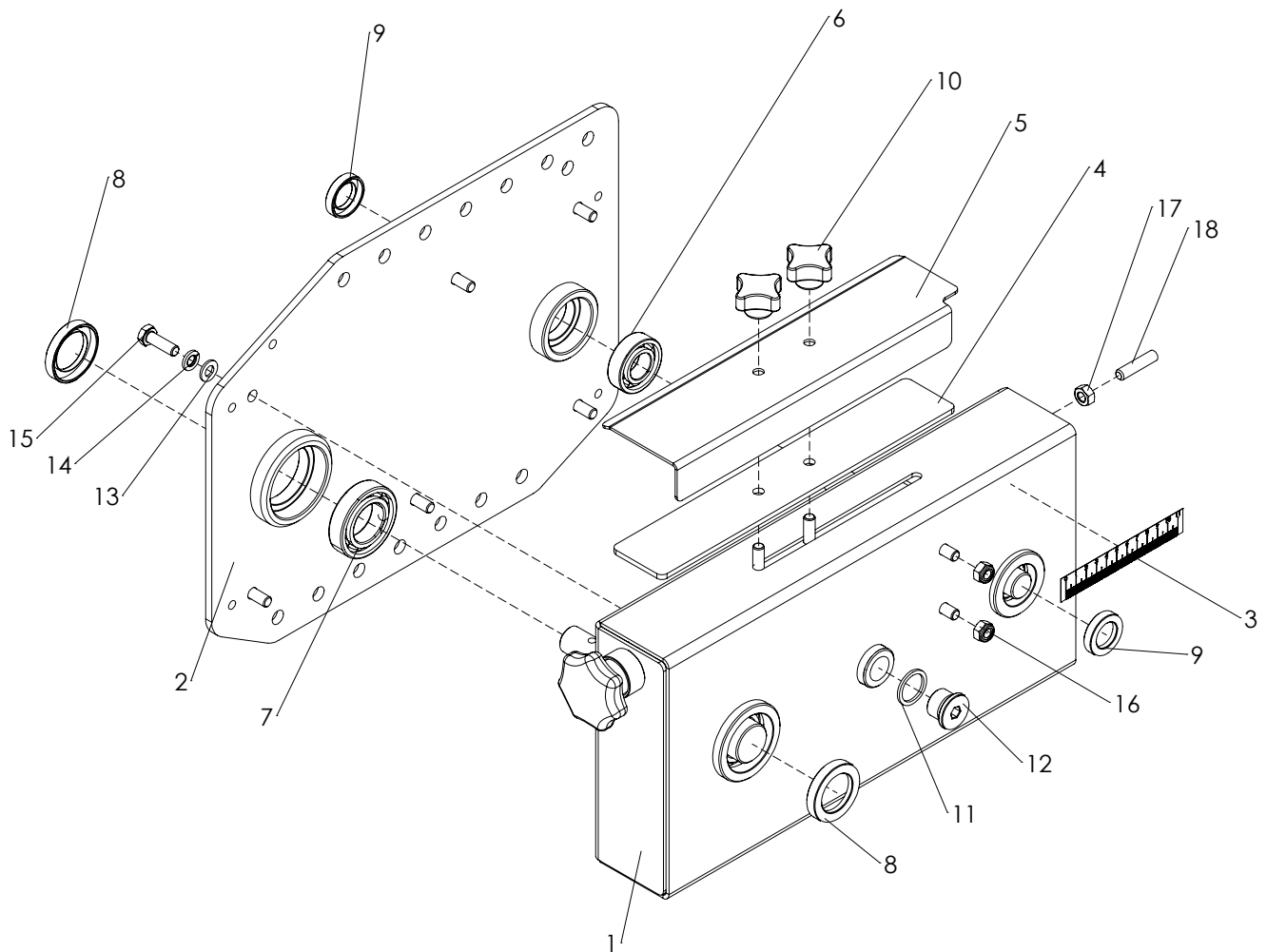
1. Put sealing paste (Loctite 5970) on the gearbox housing according to the closed line as shown on the pictures below.
2. Make sure to put sealing paste around the threaded holes.
3. Make sure to clean the edges from excess sealant.



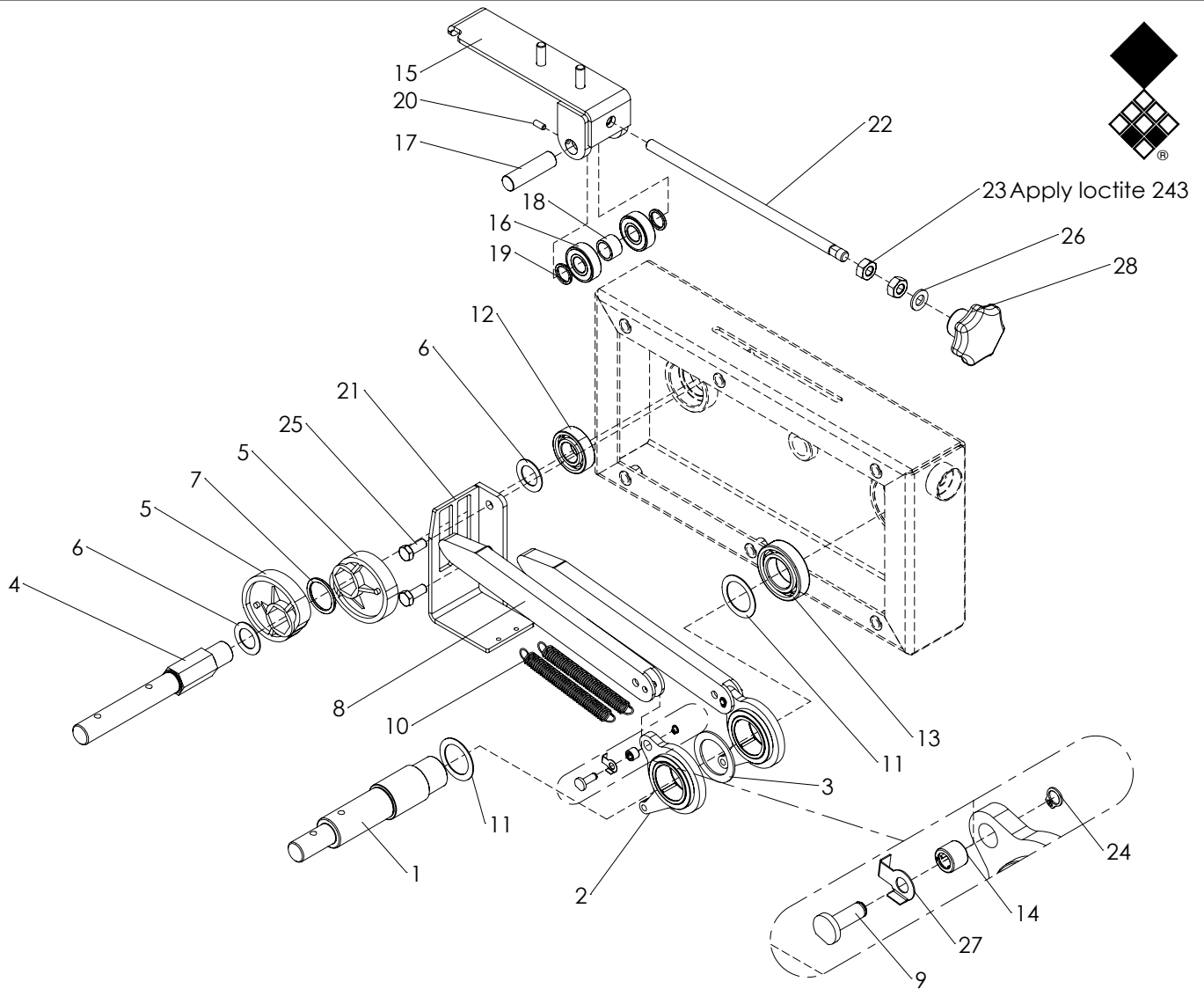
Apply Loctite 5970 (acid free sealing paste)



Apply Loctite 5970 (acid free sealing paste)



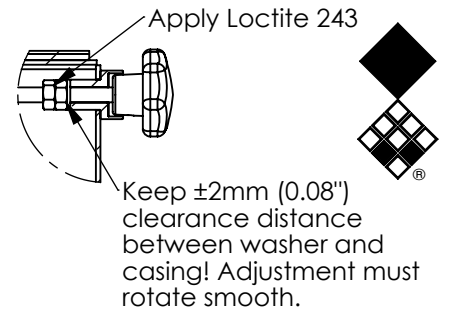
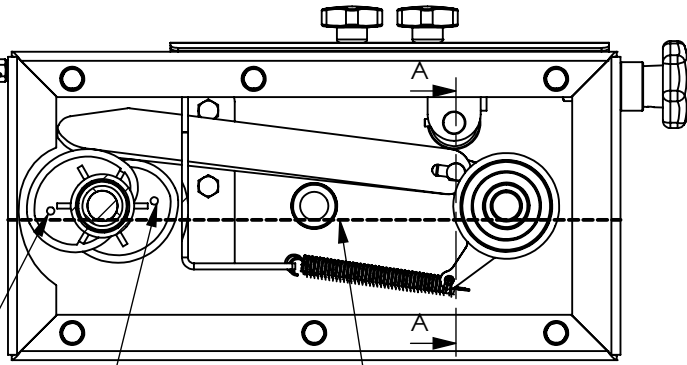
ITEM	PART NUMBER	DESCRIPTION	REMARKS	QUA
1	470.034.052	Gearbox housing		1
2	470.064.004	Gearbox lid		1
3	922.340.014	Gauge decall		1
4	444.032.900	Slider seal		1
5	468.022.900	Indicator		1
6	711.200.120	Bearing 6004		1
7	711.300.132	Bearing 6006		1
8	762.300.080	Oil seal 30-45-8		2
9	762.200.070	Oil seal 20-32-7		2
10	836.080.402	Closed Knob M8 - Din 6335		2
11	874.210.020	Copper washer 1_2		1
12	549.210.200	Blind plug G1/2		1
13	864.080.030	Washer M8 - ISO 7089		6
14	866.080.020	Spring Washer M8 - DIN 127		6
15	804.080.250	Bolt M8 x 25 - ISO 4017		6
16	830.080.080	Self Lock Nut M8 - ISO 10511		2
17	826.080.080	Nut M8 - DIN 934		1
18	818.080.350	Set screw M8x35 - DIN 913		1
	623.246.405	Gearbox complete		



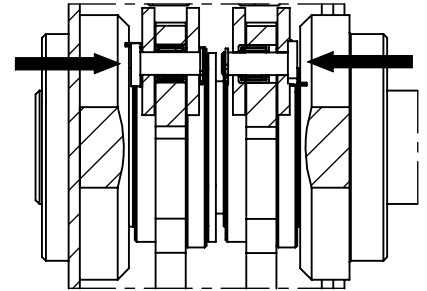
ITEM	PART NUMBER	DESCRIPTION	REMARKS	QUA
1	422.351.382	Shaft		1
2	478.019.101	Pivot point		1
3	444.020.500	Washer		1
4	422.242.020	Shaft		1
5	444.200.730	Excenter		2
6	868.032.100	Shim Ø20xØ32x1.0 DIN988	Quantity depending on clearance	
7	406.280.030	Spacer		1
8	464.152.600	Swing arm		2
9	418.060.190	Pin		2
10	575.010.800	Spring		2
11	868.042.100	Shim Ø30xØ42x1.0 DIN988	Quantity depending on clearance	
12	711.200.120	Bearing 6004		1
13	711.300.132	Bearing 6006		1
14	721.060.080	Bearing HK0608		2
15	470.041.980	Slider bracket		1
16	713.150.110	Bearing 6202-LLU		2
17	414.150.550	Shaft		1
18	406.150.132	Bush		1
19	406.150.020	Bush		2
20	818.050.120	Set screw M5 x 12 - DIN 913		2
21	470.041.190	Guide		1
22	852.102.500	Threaded rod M10x250		1
23	826.100.100	Nut M10 - DIN 934		2
24	870.006.070	Circlip d=6 - DIN 471		2
25	804.080.200	Bolt M8 x 20 - ISO 4017		2
26	864.100.030	Washer M10 - ISO 7089		1
27	874.060.240	Lock washer		2
28	836.100.630	Knob M10 with set screw		1

Timing, Spindle adjustment and Grease level

Adjust till max. output is 4:1



SECTION A-A
Place pins from correct side and fold lock plate.

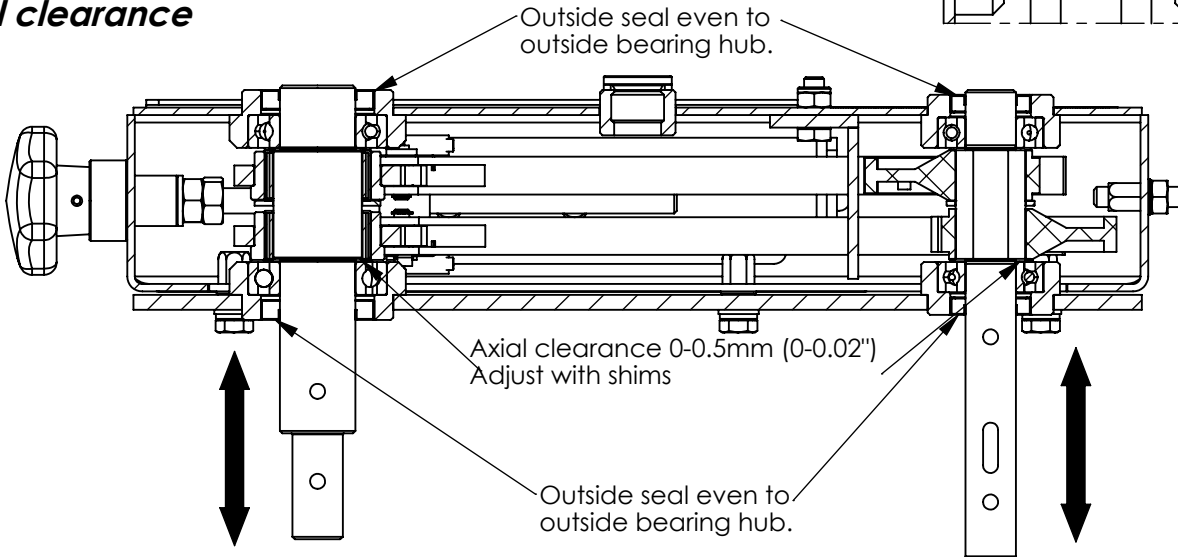


Warning! Make sure the excenters are positioned correct: Fill gearbox with ±2.8kg (6.17lbs.) EP0 grease Fill till level line (Bottom level plug)

- The nodge has to be faced outwards.
- Timing: 180° shifted from each other.

If not correctly installed a shocked rotation will occur at the output shaft.

Axial clearance



Sealing plan

1. Place sealing paste (Loctite 5970) on gearbox housing as shown in the pictures below. When the guide (1) is removed also apply sealant to the bolts.
2. Place gearbox lid on gearbox housing.
3. Fill bolt holes with silicone sealing before mounting the bolts of the gearbox lid.
4. Make sure to clean the edges of excess sealant.

