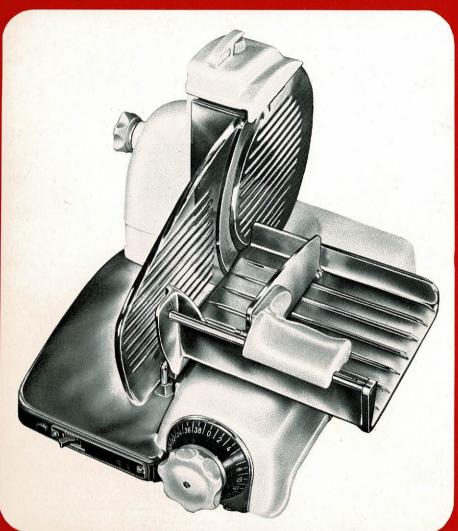


MANUAL

slicing machine model 836



OPERATION

Move table to and fro, but do not exert more side-pressure than required for keeping product to be sliced against gauge plate.

MAINTENANCE

- Thoroughly clean machine at least once a day after use and with Berkel-oil only.
 - Do not forget to set gauge plate at zero before starting to clean.
- 2. When cleaning machine it is recommended to sharpen knife a little — even if it should be sufficiently sharp. The advantage is:
 - a. the final traces of the sliced products, which practically always contain salts, are thoroughly removed from the knife-edge, thus preventing corrosion, when the machine is not in use.
 - b. the knife remains in perfect condition.

SHARPENING OF KNIFE

- Unnecessarily long sharpening may spoil the knife and will shorten its life.
- Always clean knife before sharpening.

Lift sharpener, turn clock-wise until it touches stop and lower over knife.

Switch on motor and push to the left, the lever situated to the left hand side under sharpener cover. Do this carefully with the thumb of the left hand and not for too long. Lever should be released after a few seconds.

Next turn sharpener to normal position and finally clean knife edge once again.

CLEANING

To facilitate cleaning various parts of the machine can be removed easily:

1. PUSHER

Is detachable in any position.

2. TABLE

Pull table to the front until it touches springloaded stop; next pull a little stronger so that spring is compressed when table can be flapped to the right.

3. CENTRE PLATE

Unscrew grey knob at left hand side of knife box. Grip rear of centre plate with right hand and remove centre plate at an oblique angle backwards to the right.

4. KNIFE SHIELD

Flap knife shield which is fitted at the left hand side of the knife, to the left. Now knife can be cleaned on both sides by means of a cloth and a little Berkel-oil.

5. SHARPENER

To ensure correct operation, stones should be cleaned regularly.

For this purpose sharpener is taken from machine by turning it clock-wise through an angle of 90° and lifting it. Remove cover by unscrewing knurled knob in grip.

The stones should be cleaned by brushing them with Berkel-oil.

Stones will be more easily cleaned if always kept soaked with Berkel-oil.

LUBRICATION

Completely unnecessary!

THE MACHINE IS SELF-LUBRICATING THROUGHOUT.

TECHNICAL INSTRUCTIONS

ADJUSTMENT OF SHARPENER

see illustrations on pages 8 and 11

When fitting a new knife the inside stone should overlap knife by 8 mm ($^{5}/_{16}"$) (illustration A - page 8). When as a result of the sharpening of the knife, this distance has been reduced to 5 mm ($^{3}/_{16}"$) or less, the height of the sharpener in grinding position has to be adjusted accordingly.

To this end nut M 705 is turned until inside stone overlaps knife by approximately 8 mm ($^5/_{16}$ ") again.

The correct position for precision sharpening is dependent on stop plate 836—2051, which plate is adjusted and secured at the factory by means of a pin so that inside stone always touches edge of knife correctly.

When inside stone is correctly adjusted knife edge should show a so called "cross stitch" after sharpening.

When replacing stones, these will be supplied inclusive of spindle so as to ensure correct position in relation to knife.

ADJUSTMENT OF GAUGE PLATE

see illustrations on pages 15, 17 and 23

The gauge plate will have to be readjusted in relation to the knife, after the diameter of the latter has been reduced by about 5 mm ($^3/_{16}$ ") as a result of regular sharpening.

To this end screws S 1061 are unscrewed a little and the gauge plate is relocated in a horizontal direction until the distance of gauge plate to knife edge amounts to 1.5 mm ($^{1}/_{16}$ ") or 2 mm ($^{5}/_{64}$ "). Please note that the index knob should be set on zero.

The distances between knife-edge and top and bottom points of gauge plate respectively should also be the same, and the gauge plate may have to be slightly turned on its own plane so that the clearance between edges of gauge plate and knife match exactly.

Next screws S 1061 should be tightened securely again. To readjust the zero position of index knob and gauge plate, cover 836—1101 is removed. The bolts S 940 are unscrewed $\frac{1}{2}$ turn and adjustment bolt S 1083 is unscrewed a little as well.

Now gauge plate shaft 836—G 9036 can be relocated in a lengthwise direction not forgetting to retighten bolts \$ 940 and \$ 1083 after the adjustment.

Take care however that shaft does not turn as otherwise gauge plate could touch knife edge.

Further it should be noted that screws S 1061, S 940 and S 1083 should never be unscrewed at the same time, as otherwise the factory adjustment of the plane of the gauge plate in relation to that of the knife would be lost.

REPLACEMENT OF KNIFE

see illustrations on pages 13 and 15

Unscrew screws S 1061 and push the gauge plate backwards. Remove screws S 1040 and take knife from shaft.

Attention: The knife is quite sharp and should be handled with care; it should be placed on a flat table with its convex side up.

Before fitting of new knife, carefully clean spindle, hole in knife and bearing surface of knife, as otherwise knife might run untrue.

After fitting of new knife, gauge plate will have to be readjusted.

SLIDE RAIL OF TABLE

see illustrations on pages 8, 15 and 21

The guide block 836-G 1002 should also be adjusted with hardly any horizontal play in relation to the table.

This is done by unscrewing screw S 1054 after which the adjustment can be effected by means of adjustment screw S 1075. Do not forget to tighten screw S 1054 afterwards.

Between table and knife edge a clearance of at least 0.5 mm (.02") should be kept (illustration B - page 8). Adjustment is obtained by means of screws S 1060.

ASSEMBLY OF HOUSING

see illustration on page 17

Cover 836—G 1099 is placed on the frame and front plate 836—9040 is fitted to the front. Do not forget to fit closing plate 836—1087 underneath shaft of gauge plate.

Whilst tightening screws \$ 756 press the cover downwards and the front plate upwards.

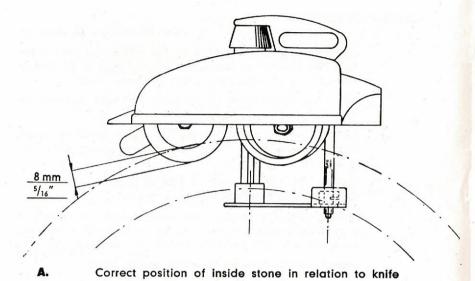
Next the front of motor housing 836—2002 is fitted by means of screws S 764. Press this part downwards during tightening of screws as well.

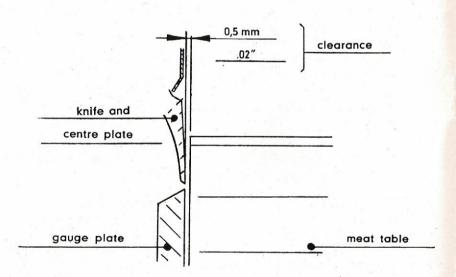
Bracket 836-2071 is fitted to side of frame, so that cover 836-G 1099 is held down also at that side.

Then bolt S 619 at the rear can be tightened. Only if assembled strictly according to above instructions will the cover 836-G 1099 perfectly match the receiving tray

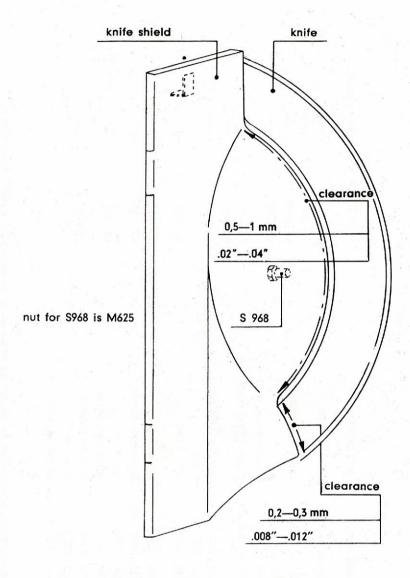
Now the motor housing 836-2024 can be fitted

When removing the various parts of the housing, screws S 1062 of the motor housing and screw S 1054 of closing plate 836-1087 only need to be unscrewed a few turns.





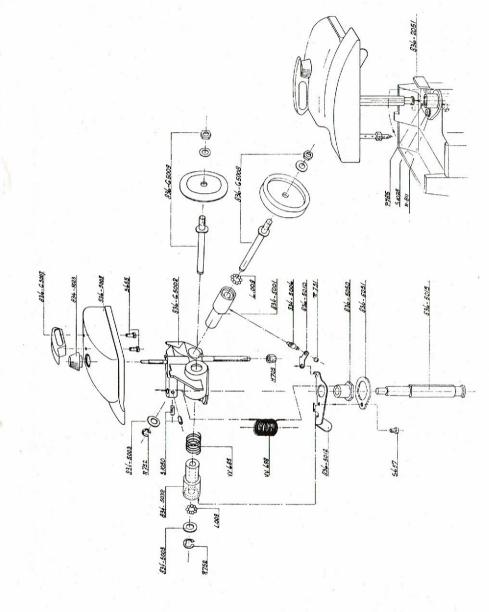
Top view on meat table



C. Adjustment of knife shield in relation to knife

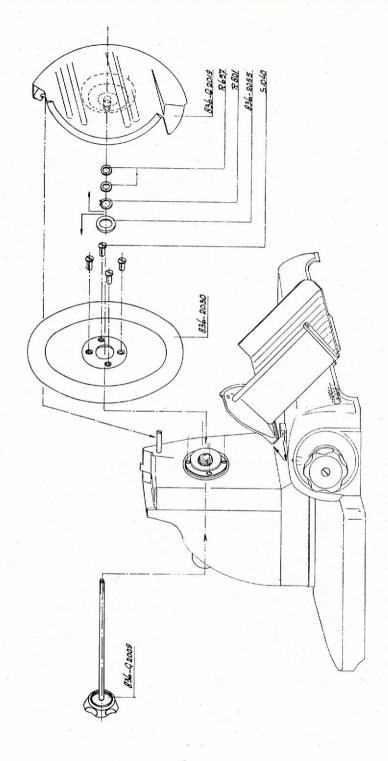
PART NO.	PART NAME	PART NO.	PART NAME
834—5023	knurled knob	S-655	screw
836 (2.500)		S-657	screw
826 6- 5007	sucrpener ridme	S-1050	screw
836-G 5008	grip outside stone complete	S-1078	screw
836-G 5009	inside stone complete	R—811	washer
924 5020		R-751	circlip
834—5003	spinale bearing (only for spinale of collar 836-G5009)	R-752	circlip
834-5006	link screw	P-785	niq
836-2051	stop plate	VV - 685	spring
836-5009	sharpener cover	869 – NV	spring
836-5010	link		
836-5012	sharpener lever	M - 705	nut
836-5015	sharpener post	-	
836-5050	bushing	L-007	IIBa
836-5051	spring tension ring		

Note: When ordering parts please do state serial number and model of machine!!



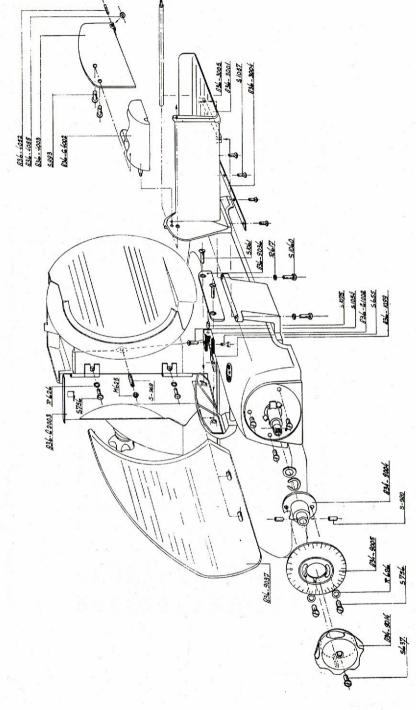
PART NO.	PART NAME	
836-G 2009 836-G 2019	centre plate knob centre plate	٥
836 - 2030 $836 - 2055$	knife	
S-1040	SCIOW	
R-657 R-801	washer locking ring	

Note: When ordering parts please do state serial number



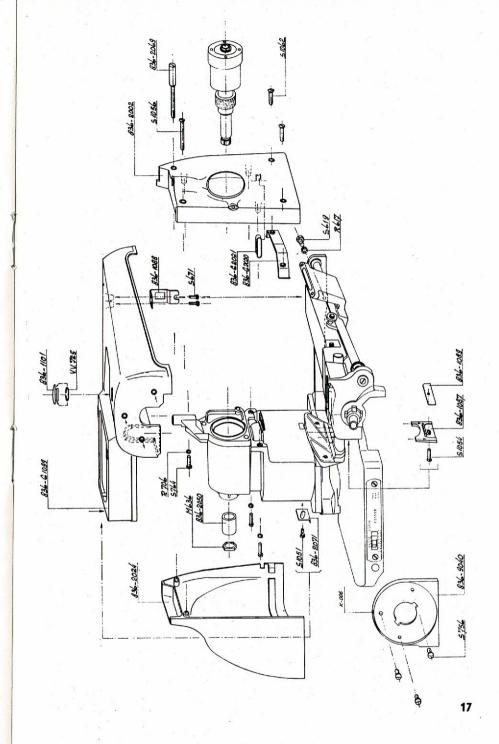
PART NAME												ă	5 6	ō		
PART	screw	screw	screw	screw	screw	screw	screw	screw	screw	screw	screw	washer	oues.	200	nut	
PART NO.	S-637	S-655	S-756	S—968	S920	S-993	S-1054	S-1057	S-1060	S-1061	S-1075	R-617	767 0	070	M-625	
PART NAME	guide block	knife shield	pusher handle		poss	index scale	index knob	adjustment plate	table	quide strip	guide bar	pusher plate	pin	roller	gauge plate strip	gauge plate
PART NO.	836-G 1002	836-G 2003	836-G 4002		834 - 9004	854 - 9005	834 - 9014	836-1099	836-3001	836-3004	836 - 3005	836-4003	836-4052	836-4055	836-9036	836-9037

Note: When ordering parts please do state serial number and model of machine!!



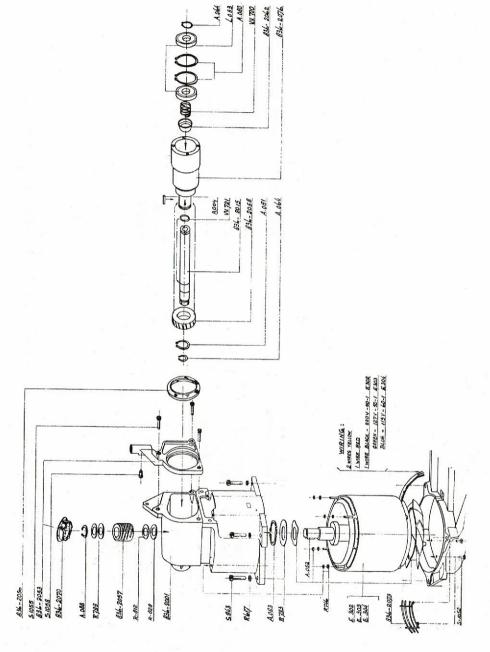
VO. PART NAME	SCFEW	screw	screw	screw	screw	screw	SCFBW	SCIOW	washer	washer		5 spring	nut	•
PART NO.	\$-619	S-671	S-756	S-764	S-1051	S-1054	S-1056	S-1062	R-617	R-706		VV-725	M-636	3
PART NAME	cover	fixing bracket	connecting piece	200000000000000000000000000000000000000	ciosing piare	closing plate strip	diet can	motor housing front piece	motor housing	bush	pin	locking plate	index front plate	
PART NO.	836-G 1099	836-G 2020	836-G 2021	077 4007	037 4000	836 1080	836-1101	836-2002	836-2024	836-2050	836-2069	836-2071	836-9040	

Note: When ordering parts please do state serial number and model of machine!!



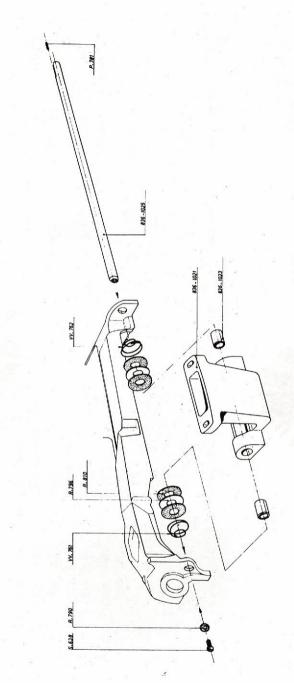
PART NO.	PART NAME	PART NO.	PART NAME
836-2001	gear frame	R-617	washer
836-2015	knife shaft	R-746	washer
836-2053	end cover	R-828	Washer
836-2056	cover ring	R-793	washer
836-2057	worm	R812	washer
836-2058	helical gear	R-799	washer
836 - 2062	spring cap		
836-2070	rubber cap	VV-720	spring
836-2073	grid	VV-721	spring
836-2076	knife shaft bearing housing	L-053	ball bearing
S-943	screw	A-004	kev for knife shaft
S—1052	screw	A-064	circlip
S-1055	screw	A - 080	circlip
S-1058	screw	A-081	circlip
		A-083	circlip
		A-088	circlip
		E-302	motor 220 volts-50 cycles
		E-303	motor 127 volts-50 cycles
		E-304	motor 115 volts-60 cycles

Note: When ordering parts please do state serial number and model of machine!!



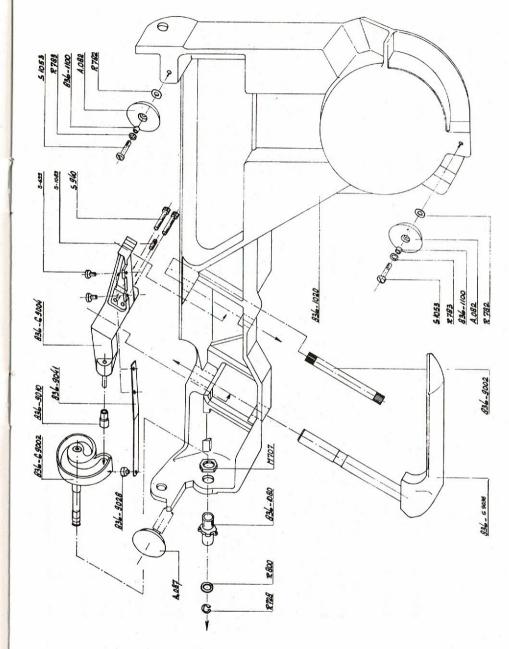
PART NAME	screw	washer	washer	washer	pin	spring	spring
PART NO.	S-638	R-790	R-796	R-810	P-781	VV-761	VV-762
PART NAME	carriage	bearing	guide bar				
PART NO.	836-1021	836-1023	836-1025				

Note: When ordering parts please do state serial number and model of machine!!



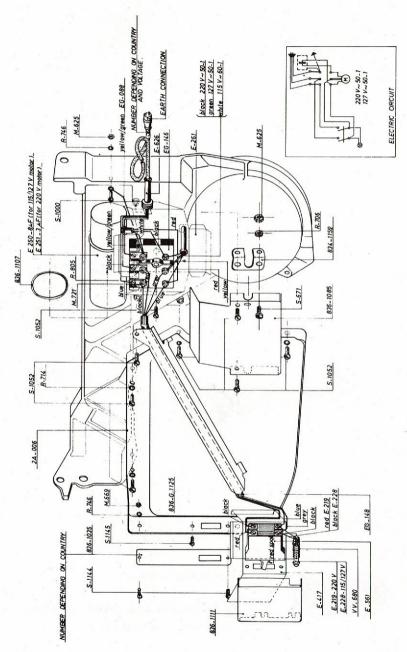
PART NO.	PART NAME	PART NO.	PART NAME
836-G 9002	index cam	S—633	screw
836-G 9004	index fork	S1083	screw
836 -G 9036	gauge plate bracket	S-940	bolt
836-1020	main frame	S-1053	screw
836-1080	ssoq	R-728	circlip
836-1100	bush	R-782	washer
836-9002	guide pin	R-783	washer
836-9010	roller	8 – 800	worker.
836-9028	friction plug	}	
836-9041	flat spring	M-707	nut
		A-082 A-087	rubber foot rubber foot

Note: When ordering parts please do state serial number and model of machine!!



PART NO.	PART NAME	PART NO.	PART NAME
836-G1125	receiving tray	089-VV	spring
836-1085	bracket for terminal panel	2A-006	sealing strip
836-1107	rubber ring		
836-1111	switch cover	M-625	nut
836-1035	identity plate	W-669	nut
		M-721	nut
834-1152	bracket		
		E-219	pilot light 220 Volt
S-655	screw	E-228	pilot light 115/127 Volt
S-671	screw	E-250	motor capacitor 115/127 Volt
S-1000	screw	E-251	motor capacitor 220 Volt
S-1052	screw	E-261	terminal panel insulating cover
S-1144	screw	E-417	switch insulating cover
S-1145	screw	E-561	switch
R-706	washer	E-626	bushing
R-714	washer	EG-088	earth connection
R-746	washer	EG-146	terminal panel
R-805	washer	EG-148	motor to switch wire

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