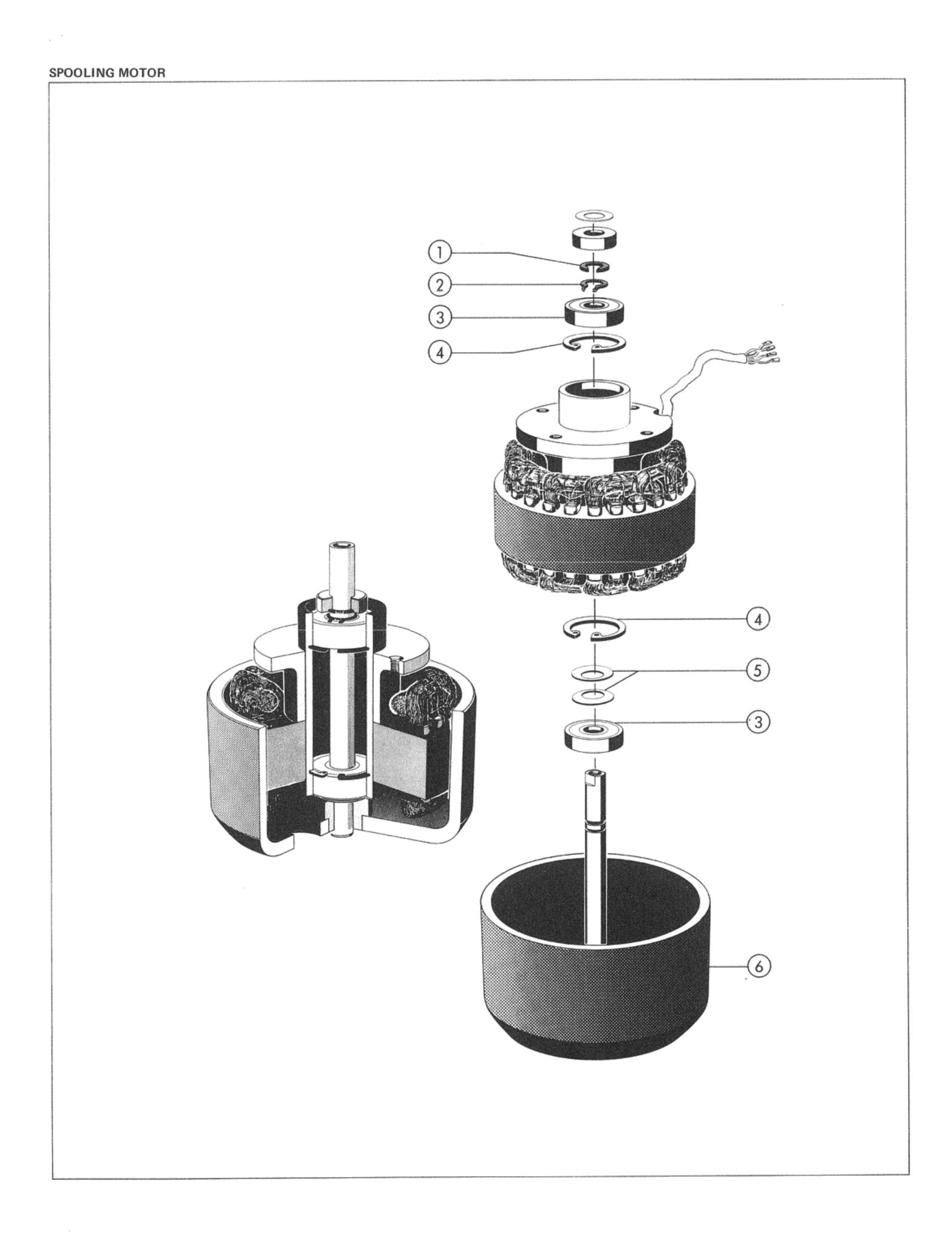


For more Hi-Fi manuals and set-up information please visit www.hifiengine.com

KAPITEL 8 Ersatzteilliste	SECTION 8 Parts list	CHAPITRE 8 Liste des pièces détachées	Seite/page
Wickelmotor	Spooling motor	Moteur de bobinage	8/2
Tonmotor	Capstan motor	Moteur de cabestan	8/4
Laufwerk	Tape drive	Mécanisme du transport	8/6
Drucktasteneinheit	Push button unit	Bloc des touches	8/10
Bremsaggregat	Brake system	Agrégat des freins	8/12
Kopfträger	Tape head assembly	Châssis de défilement	8/14
Bedienungseinheit	Operating section	Unité de commande	8/16

STUDER

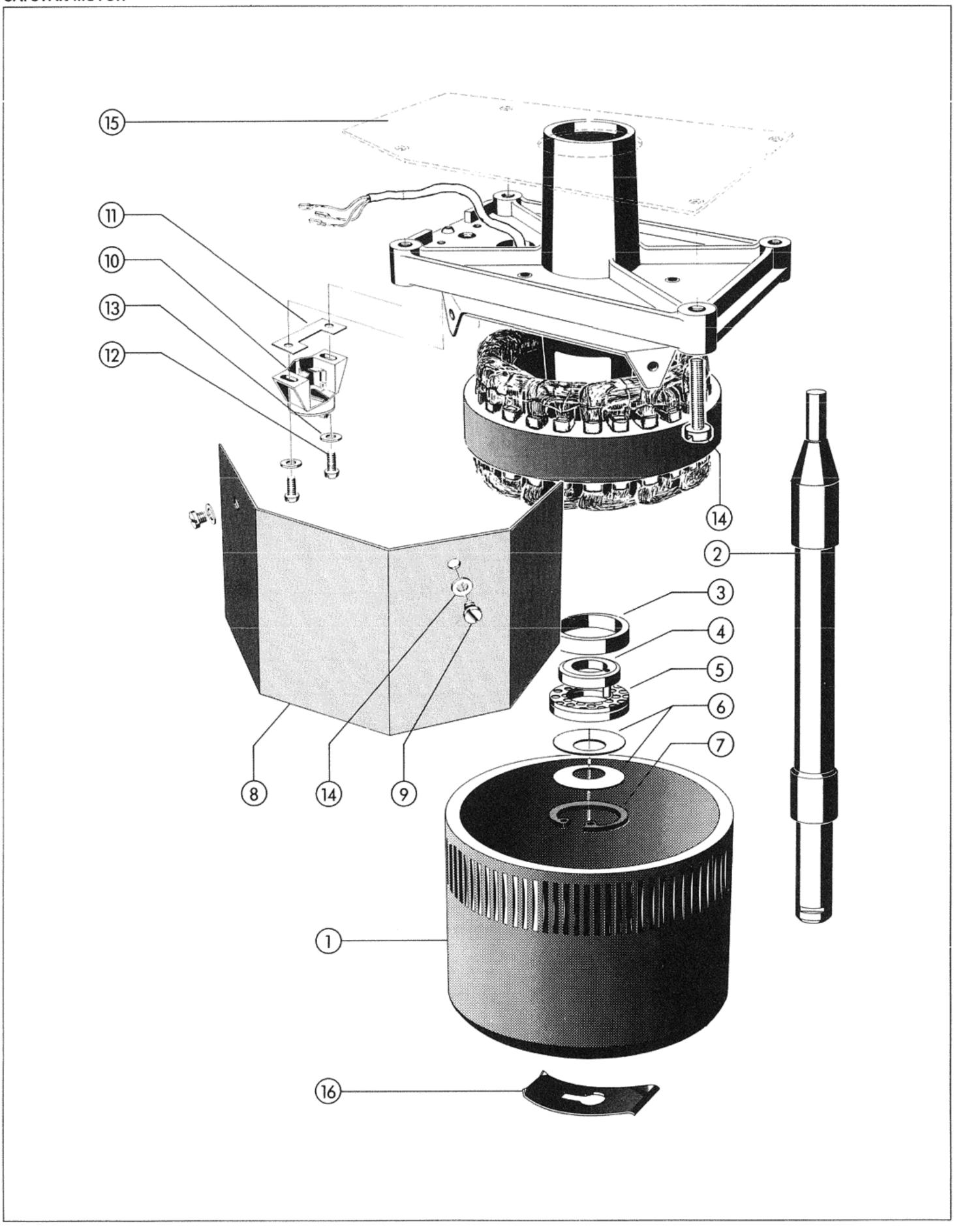


B77

SPOOLING MOTOR

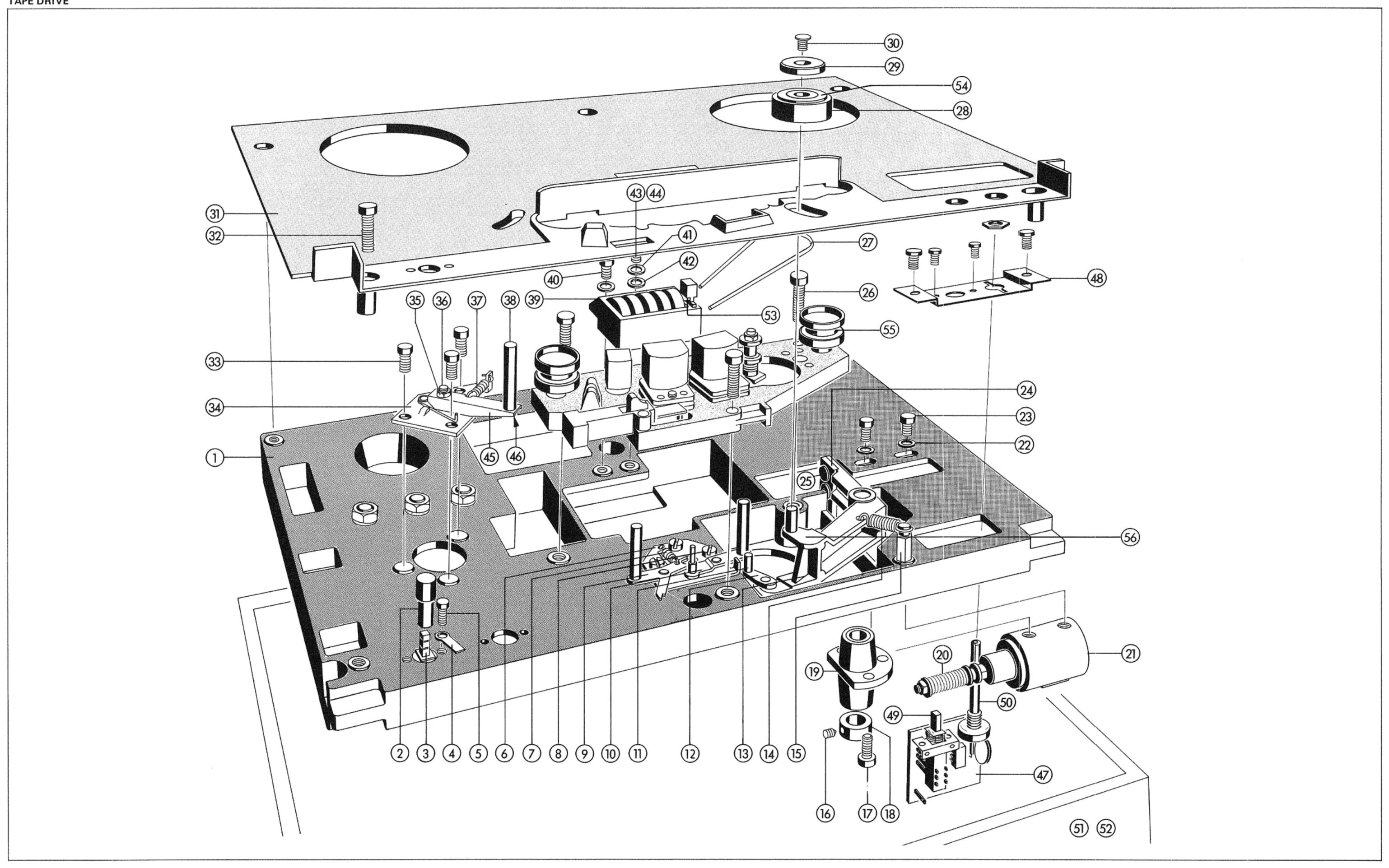
INDEX	QTY	ARTICLE NUMBER	PART NAME
		1.021.210.00	Spooling motor, compl.
01	1	1.021.256.04	Circlip
02	1	24.16.5080	Retaining ring, external
03	2	41.02.0106	Ball bearing
04	2	24.16.4220	Retaining ring, internal
05	2	37.02.0206	Cup washer
06	1	1.021.259.00	Rotor compl.
The the forest control of the section of the sectio			

CAPSTAN MOTOR



CAPSTAN MOTOR

NDEX	QTY	ORDER NUMBER	PART NAME
		1.021.300.00	Capstan motor, compl.
01	1	1.021.161.00	Rotor
02	1	1.021.300.02	Capstan shaft 3.75/7.5 ips (9,5/19cm/s)
03	1	1.021.160.08	Spacer
04	1	1.021.163.00	Thrust bearing
05	1	1.021.160.09	Low friction washer
06	2	37.02.0106	Cup washer
07	1	24.16.4220	Retaining ring, internal
08	1	1.077.200.03	Shield
09	2	21.01.0352	Screw M3x4
10	1	1.077.240.00	Tacho head
11	1	1.077.200.04	Antivibration shim
12	2	21.99.0137	Screw, nylon M3x8
13	4	23.01.1032	Washer
14	4	21.26.0459	Screw M4x18
15	1	1.077.100.22	Screening plate
16	1	1.021.160.10	Shaft lock
	1	1.021.302.00	Capstan motor, compl.
02	1	1.021.302.03	Capstan shaft 7.5/15 ips (19/38cm/s)
	1	1.021.305.00	Capstan motor, compl.
02	1	1.021.304.03	Capstan shaft 0.94/1.88 ips (2,38/4,75cm/s)



INDEX	ΩΤΥ		ORDER NUMBER	PART NAME
01	1		1.177.100.01	Tape drive chassis
02	1		1.177.100.09	Push button
03	1		1.177.100.07	Push button switch
04	1		29.26.1022	Solder lug
05	2		20.21.7154	Self-tapping screw
06	1		1.177.131.00	Base plate, compl. MKI
	1		1.177.813.00	Base plate, compl. MKII
07	1		1.010.024.37	Tension spring
08	3		21.26.0354	Screw M3x6
09	1		1.177.132.00	Lever left, riveted MKI
	1		1.177.812.00	Lever left, riveted MKII
10	1		1.177.133.00	Lever right, riveted MKI
	1		1.177.811.00	Lever right, riveted MKII
11	1		1.177.120.01	Dog pin
12	1		21.26.2354	Screw M3x6
13	1		1.177.123.00	Pich roller arm with shaft
14	1		1.010.025.37	Tension spring
15	1		1.067.100.06	Anchor pin
16	1		21.59.5452	Set screw M4
17	3		21.26.0356	Screw M3x10
18	1		1.080.112.06	Adjusting ring
19	1		1.177.125.00	Pich roller arm bearing
20	1		1.177.126.00	Plunger compl.
21	1		1.014.710.00	Pich roller solenoid compl. without plunger
22	2		23.01.3043	Washer
23	2		21.26.0454	Screw M4x6
24	1		1.177.120.02	Lever
25	2		21.26.0455	Screw M4x8
26	3		21.26.0459	Screw M4x18
27	1		31.99.0106	Rubber ring
28	1		1.167.178.82	Pinch roller compl.
29	1		1.177.100.25	Pinch roller cover
30	1		21.27.2355	Screw M3x8
31	1	MKI:	1.177.421.00	Tape transport cover (DOLBY)

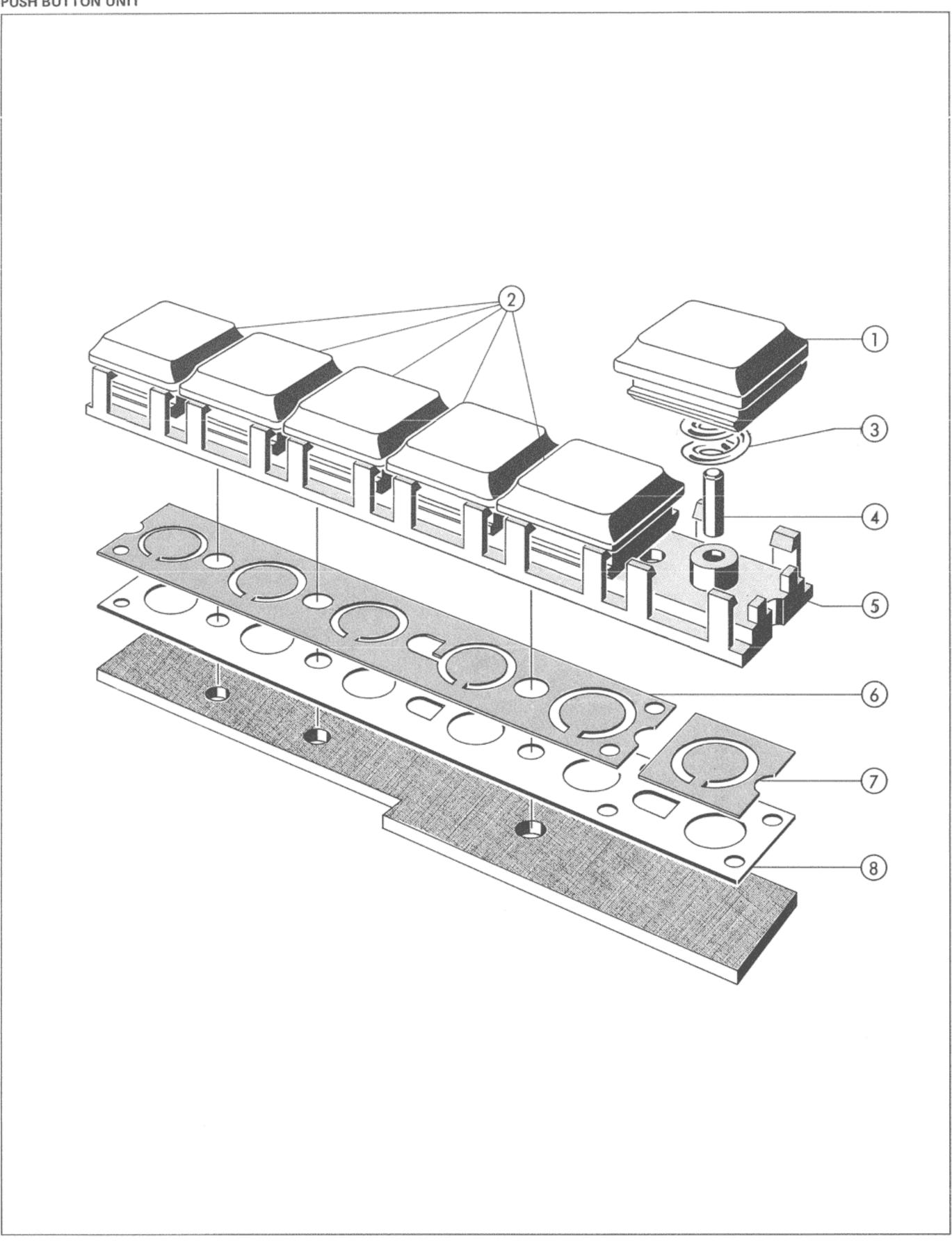
INDEX	QTY		ORDER NUMBER	PART NAME
	1	MKI :	1.177.419.00	Tape transport cover (AUTO START)
		MKI :	1.177.414.00	Tape transport cover (DIA PILOT)
		MKI :	1.177.412.00	Tape transport cover (SIMDA)
		MKI :	1.177.417.00	Tape transport cover (SYNC)
		MKII :	1.177.494.00	Tape transport cover (SYNC)
		MKII :	1.177.491.00	Tape transport cover (STANDARD)
32	5		21.27.0462	Screw M4x25
33	3		21.26.0354	Screw M3x6
	1		1.177.140.00	Tape guide pin compl.
34	1		1.177.142.00	Base plate
35	1		22.13.8040	Hexagonal nut M4
36	1		1.177.140.03	Shaft
37	1		1.010.025.37	Tension spring
38	1		1.177.140.02	Guide pin
39	1		1.077.100.09	Counter
40	1		21.01.0355	Screw M3x8
41	2		24.99.0107	Spring washer
42	2		23.01.2032	Washer
43	1		1.077.100.19	Threaded spacer
44	1		1.077.100.20	Rubber cap
45	1		1.177.140.01	Lever
46	1		21.26.0354	Screw M3x6
47	1		1.177.330.00	Print
48	1		1.177.330.01	Mounting bracket
49	1		1.177.330.02	Switch
50	1		1.177.330.03	Potmeter
51	1		1.177.470.00	19"-rack version metal-cage housing
52	1		1.177.450.00	Standard version molded plastic housing
o above	4		20.20.3310	Screw
	4		1.010.007.23	Washer
·	1		1.177.450.02	Handle

INDEX	QTY	ORDER NUMBER	PART NAME
53	1	73.01.001	Teethead bolt (inside counter assy)
54	1 .	1.736.200.04	Teflon washer
55		1.010.041.23	Washer for height adjustment
56		1.062.101.08	Brass washer 0.2mm
		1.062.101.09	Brass washer 0.5mm

- transmitte			

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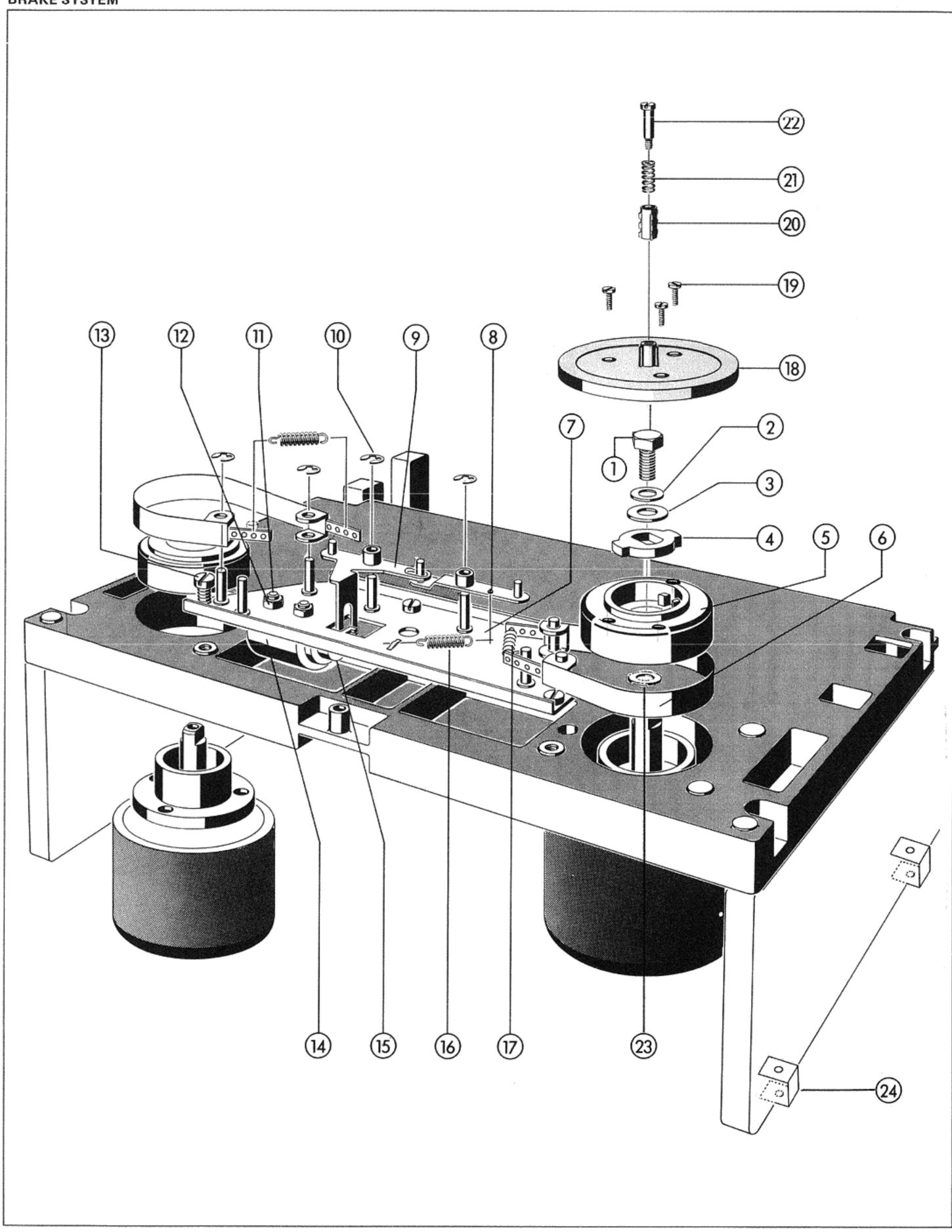
PUSH BUTTON UNIT



PUSH BUTTON UNIT

NDEX	ΩΤΥ	ORDER NUMBER	PART NAME	
		1.011.220.00	Push button unit compl.	
01	1	1.011.201.06	Push button red	
02	5	1.011.201.05	Push button grey	
03	6	1.010.095.37	Pressure spring	
04	6	1.011.220.05	Cylindrical pin	
05	1	1.011.206.01	Push button housing	
06	1	1.011.205.02	Snap spring strip	
07	1	1.011.201.02	Snap spring	
08	1	1.011.206.03	Insulating strip	
			 	

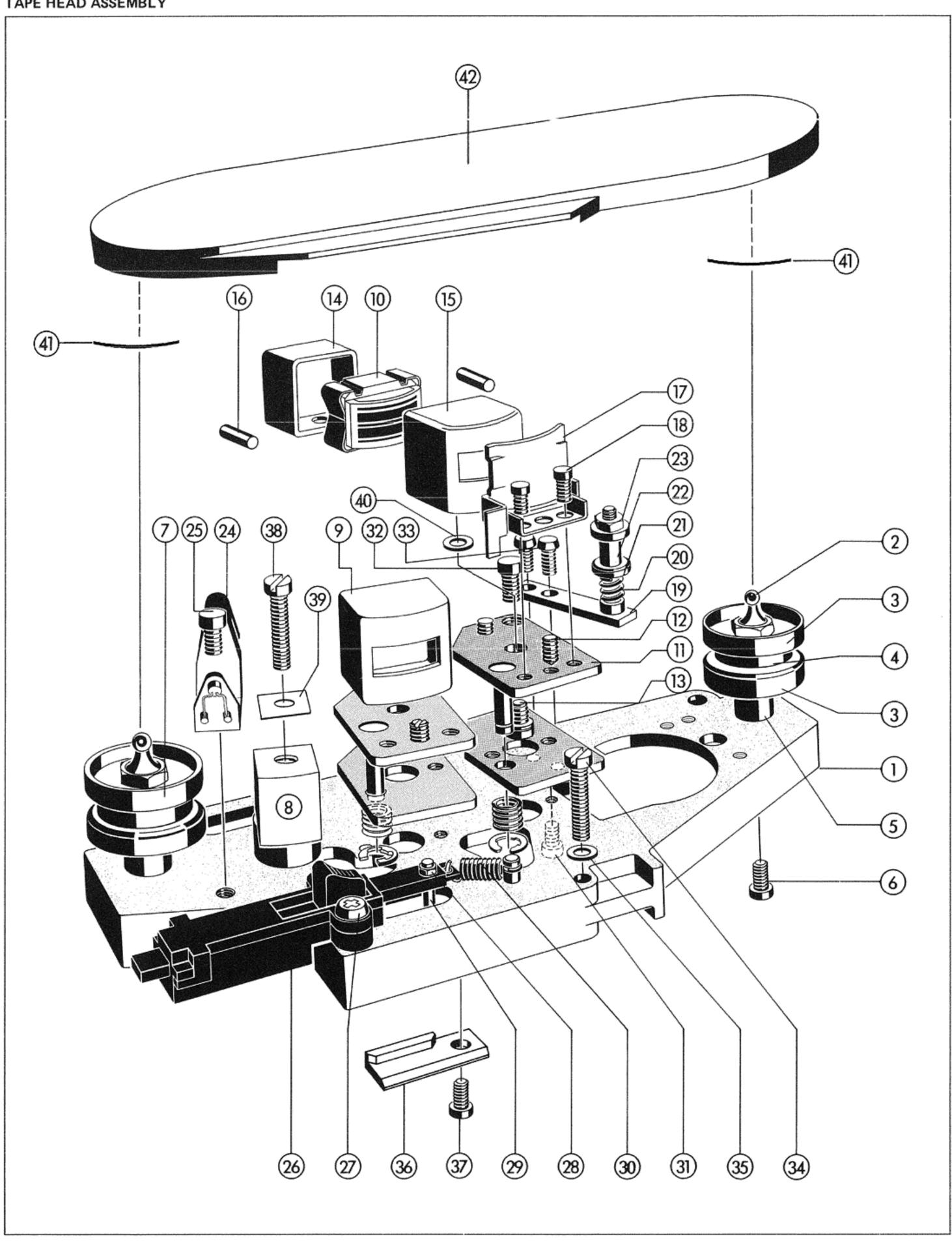
BRAKE SYSTEM



BRAKE SYSTEM

INDEX	QTY	:	ORDER NUMBER	PART NAME
01	2		21.01.4455	Screw M4x8
02	2		23.01.3043	Washer
03	2		37.01.0103	Cup washer
04	2		1.067.100.27	Driver
05	2		1.077.562.00	Brake drum
06	2		1.077.421.00	Brake band compl.
07	1		1.077.406.00	Brake chassis compl.
08	. 1		1.077.415.00	Brake lever
09	1		1.077.411.00	Brake lever
10	6		24.16.3032	Circlip
11	2		21.26.0353	Screw (M3x5 max.)
12	2		23.01.2032	Washer M3
13	3		21.26.0354	Screw M3x6
14	1		1.014.805.00	Brake solenoid
from	21618		1.014.806.00	Brake solenoid
15	1		1.014.803.00	Plunger to brake solenoid
from	21618	,	1.014.808.00	Plunger to brake solenoid
16	1		1.062.210.06	Tension spring
17	2		1.077.100-13	Tension spring
18	2		1.077.564	Turntable, metal
19	6		21.02.0355	Screw M 3x8, Ni-plated
20	2		1.077.568.03	Shaft section, 3-prong
21	2		1.736.794.03	Spring, compression
22	2		1.077.568.02	Screw, shoulder
23		individual	1.736.502.04	Spacer washer 2mm
			1.736.502.05	Spacer washer 0.5mm
			1.736.502.13	Spacer washer thin
24	4		1.040.255.00	Clip
	1 1			

TAPE HEAD ASSEMBLY



STUDER
SECTION 8/15

TAPE HEAD ASSEMBLY

INDEX	QTY	ORDER NUMBER	PART NAME
		1.020.300.00	Tape head assembly compl. 1/4",2-track
-		1.020.301.00	Tape head assembly compl. 1/4",4-track
01	1	1.020.300.01	Tape head chassis
02	2	1.020.300.06	Centering screw
03	4	1.077.121.02	Tape guide cup
04	1	1.077.121.04	Spacer
05	2	1.020.300.04	Threaded support
06	2	21.26.0455	Screw M4x8
07	1	41.99.0102	Ball bearing
08	1	1.116.098.01	Erase head 1/4",2-track
from	57329	1.116.098.04	Erase head 1/4",2-track
	1	1.116.099.01	Erase head 1/4",4-track
from	60977	1.116.099.04	Erase head 1/4",4-track
09	1	1.116.022.00	Record head 1/4",2-track
	1	1.116.042.00	Record head 1/4",4-track
10	1	1.116.027.00	Reproduce head 1/4",2-track
	1	1.116.047.00	Reproduce head 1/4",4-track
11	2	1.020.801.00	Head mounting plate compl.
12	4	21.18.6354	Set screw
13	2	21.99.0118	Screw M3x7
14	2	1.077.155.05	Head housing, internal
15	2	1.077.155.06	Head housing, outer
16	4	1.077.155.07	Plastic pin
17	1	1.020.311.00	Shielding lid compl.
18	2	21.01.0202	Screw M2x4
19	1	1.020.310.00	Clamp, riveted
20	1	1.020.820.12	Pressure spring
21	2	1.077.145.01	Guide disk
22	1	1.077.145.02	Spacer sleeve
23	1	22.01.8030	Nut M3
24	1	1.020.320.00	Light gate compl.
o above	1	23.01.3032	Washer
25	1	21.26.0354	Screw M3x6
26	1	1.020.318.00	Edit switch compl.

INDEX	QTY	ORDER NUMBER	PART NAME
27	2	21.26.2357	Screw M3x12
28	1	22.01.8020	Nut M2
29	1	1.020.318.04	Pin
30	1	1.020.820.17	Tension spring
31	4	21.26.0354	Screw M3x6
32	2	21.26.0355	Screw M3x8
33	2	21.26.0354	Screw M3x6
34	3	21.26.0459	Screw M4x18
35	3	23.01.1043	Washer
36	1	1.020.300.07	Guide
37	1	21.26.0354	Screw M3x6
38	1	1.077.130.02	Mounting screw
from	57329	1.116.099.02	Mounting screw
39	1	1.116.098.03	Head spacer (just to No. 57328)
40	1	1.010.017.23	Washer
41	2	1.177.425.02	Spring
42	1	1.177.426.03	Headblock cover "STUDER"

OPERATING SECTION

INDEX	ΩΤΥ	0	RDER NUMBER	PART NAME
01	1		1.177.100.12	Knob, disk type
02	1		1.177.100.11	Knob
03	3		1.177.100.10	Knob
04	2		1.068.700.23	Knob
05	2		1.166.450.03	Lens red
06	1		1.177.400.00	Operating panel compl. (STANDARD)
			1.177.401.00	Operating panel compl. (HS)
			1.177.402.00	Operating panel compl. (DOLBY)
			1.177.403.00	Operating panel compl. (LS)
			1.177.404.00	Operating panel compl. (SLS)
07	2		22.16.6004	Lock washer
08	1		1.177.100.05	Side part left
09	1		1.177.100.06	Side part right
10	1		1.177.430.00	Flap compl. (Spring 1.010.026.37)
11	2		1.177.190.03	Button
12	1		1.011.102.00	Mains switch, single pole
13	2		21.26.0354	Screw M3x6
14	1		1.177.200.02	Twin potmeter
15	3		1.011.120.00	Toggle switch
16	3		1.011.301.01	Housing
17	3		1.011.301.00	Rotary switch
18	9		1.010.001.55	Contact spring
19	3		41.01.0240	Steel ball
20	3		1.010.040.37	Pressure spring
21	2		50.04.2114	LED compl.
22	2		51.02.0142	Lampe type W2D, 24V, 1W
23	2		1.177.205.01	VU-meter
from	58252		1.177.205.05	VU-meter
24	1		1.177.205.02	Mounting bracket
25	4		21.26.0372	Screw M3x16
26	4		1.067.435.02	Sleeve
27	4		1.067.435.01	Pressure spring
28	1		1.177.205.04	Bracket, right
29	1		1.177.205.03	Bracket, left

OPERATING SECTION

30 1 1.177.210.00 Motherboard comp1. 31 1 1.177.210.01 Switch bar comp1. 32 1 1.177.190.00 Speed selector comp1. 33 1 1.177.200.04 Grounding spring 34 1 1.177.200.05 Sleeve 35 2 1.166.450.02 Lamp bezel 36 1 21.26.0352 Screw M3x4 37 4 21.26.0454 Screw M4x6 38 4 54.02.0104 Stereo Jack 39 12 1.068.700.14 Decor ring		PART NAME	ORDER NUMBER	QTY	INDEX
32 1 1.177.190.00 Speed selector compl. 33 1 1.177.200.04 Grounding spring 34 1 1.177.200.05 Sleeve 35 2 1.166.450.02 Lamp bezel 36 1 21.26.0352 Screw M3x4 37 4 21.26.0454 Screw M4x6 38 4 54.02.0104 Stereo Jack		Motherboard compl.	1.177.210.00	1	30
33 1 1.177.200.04 Grounding spring 34 1 1.177.200.05 Sleeve 35 2 1.166.450.02 Lamp bezel 36 1 21.26.0352 Screw M3x4 37 4 21.26.0454 Screw M4x6 38 4 54.02.0104 Stereo Jack		Switch bar compl.	1.177.210.01	1	31
34 1 1.177.200.05 Sleeve 35 2 1.166.450.02 Lamp bezel 36 1 21.26.0352 Screw M3x4 37 4 21.26.0454 Screw M4x6 38 4 54.02.0104 Stereo Jack		Speed selector compl.	1.177.190.00	1	32
35 2 36 1 37 4 38 4 4 54.02.0104 54.02.0104 Stereo Jack		Grounding spring	1.177.200.04	1	33
36 1 21.26.0352 Screw M3x4 37 4 21.26.0454 Screw M4x6 38 4 54.02.0104 Stereo Jack		Sleeve	1.177.200.05	1	34
37 4 21.26.0454 Screw M4x6 38 4 54.02.0104 Stereo Jack		Lamp bezel	1.166.450.02	2	35
38 4 54.02.0104 Stereo Jack		Screw M3x4	21.26.0352	1	36
		Screw M4x6	21.26.0454	4	37
39 12 1.068.700.14 Decor ring		Stereo Jack	54.02.0104	4	38
		Decor ring	1.068.700.14	12	39
	ADDRESS NO DO				
	, , , , , , , , , , , , , , , , , , , ,				

B77 "HS" (High Speed)

SECTION 9

Special Versions

B77 with slide synchronizing

B77 "HS" (High Speed)

electronics

CHAPITRE 9 Versions spéciales

B77 "HS" (High Speed)

Seite/page B77 avec synchronisateur de 9/1 diapositives

9/1

KAPIT	EL 9
Spezial	Versionen
B77 mit D	iasteuerung

9. Spezialversionen

9.1. B77 mit Diasteuerung

9.1.1. Allgemeines

Die B77 mit Diasteuerung ist mit einem Spezial-Tonkopf für die Steuerimpuls-Aufnahme und -Wiedergabe ausgerüstet. Die Steuerimpulse werden zwischen zwei Spuren gespeichert, dadurch ist es nicht nötig, eine Tonspur für die Steuerimpulse zu verbrauchen.

Zugehörige Schemata

7-35/7-37

1.177.233

1.021.302.00

9. Special Versions

9.1. B77 with slide synchronizing electronics

9.1.1. General

For slide presentations with synchronous sound accompaniment, the B77 recorder must be equipped with a special magnetic head to record and to reproduce the sync impulses. These impulses are recorded on the "land" between the two audio tracks, which means that both tracks are available for stereophonic sound reproduction.

Relating circuit diagrams

7-35/7-37

1.177.252

1.021.302.00

9. Versions spéciales

9.1. B77 avec synchronisateur de diapositives

9.1.1. Généralités

Le magnétophone B77 avec synchronisateur de diapositives est équipé d'une tête magnétique spéciale supplémentaire pour l'enregistrement et la lecture des impulsions de commande. Ces impulsions sont enregistrées entre les deux pistes, laissant ces dernières absolument libres. Schéma correspondant 7–35/7–37

9.2. Tonbandmaschine B77 HS (High Speed)9.2.1. Allgemeines

Bei der Tonbandmaschine B77 HS mussten einige Baugruppen abgeändert werden.

Die zu Kapitel 5.1. nicht identischen Baugruppen sind:

Aufnahmeverstärker				
Entzerrung CCIR				

Entzerrung NAB 1.177.232
Wiedergabeverstärker
Entzerrung CCIR 1.177.253
Entzerrung NAB 1.177.252

Zugehörige Schemata

Capstanmotor 19/38

1.177.232/233 7—23a/7—23b 1.177.252/253 7—27a/7—27b

9.2. Tape recorder B77 "HS" (High Speed)9.2.1. General

In the HS version of the B77 tape recorder, several subassemblies had to be changed.

The following assemblies are not identical with those described in chapter 5.1.:

Recording amplifier	
CCIR equalization	1.177.233
NAB equalization	1.177.232
Replay amplifier	
CCIR equalization	1.177.253

Relating circuit diagrams

NAB equalization

Capstan motor 19/38

1.177.232/233 7—23a/7—23b 1.177.252/253 7—27a/7—27b

9.2. Magnétophone B77 "HS" (High Speed)9.2.1. Généralités

Dans cette version un certain nombre de modules sont modifiés.

Les modules différents du chapitre 5.1. sont:

Amplificateur d'enregistremen	t
Norme CCIR	1.177.233
Norme NAB	1.177.232
Amplificateur de lecture	
Norme CCIR	1.177.253
Norme NAB	1.177.252
Moteur de cabestan 19/38	1.021.302.00

Schémas correspondants

1.177.232/233 7—23a/7—23b 1.177.252/253 7—27a/7—27b

9.2.2. Daten

Der Einfachheit halber sind nur die von der Normalversion abweichenden Daten aufgeführt.

Tonhöhenschwankungen:

(nach DIN 45507) bei 19 cm/s besser als 0,08 % bei 38 cm/s besser als 0,06 %

Frequenzgang:

(über Band gemessen bei —20 VU) bei 19 cm/s 30 Hz ... 20 kHz + 2 —3 dB 50 Hz ... 15 kHz ± 1,5 dB bei 38 cm/s 30 Hz ... 22 kHz + 2 —3 dB 50 Hz ... 18 kHz ± 1,5 dB

9.2.2. Performance data

For the sake of simplicity, only the data differing from the standard version are listed.

Wow and flutter:

(per DIN 45507) at 7.5 ips less than 0.08 % at 15 ips less than 0.06 %

Frequency response:

9.2.2. Caractéristiques

Afin de simplifier, seules les caractéristiques de la version standard sont données.

Pleurage:

(d'après DIN 45507) à 19 cm/s meilleur que 0,08 % à 38 cm/s meilleur que 0,06 %

Réponse en frequence:

(enregistrement-lecture, mesuré à —20 VU) à 19 cm/s 30 Hz ... 20 kHz + 2 dB —3 dB 50 Hz ... 15 kHz ± 1,5 dB à 38 cm/s 30 Hz ... 22 kHz + 2 dB —3 dB 50 Hz ... 18 kHz ± 1,5 dB

Geräuschspannungsabstand: (nach ASA-A 2-Spur)		Signal to nois	Signal to noise ratio:		Rapport signal/bruit:			
		(weighted as per ASA-A, measured via tape)		(d'après ASA-A, enregistrement-lecture)				
bezogen auf \	/ollaussteuerun	g (514 nWb/m)	half track			2 pistes		
19 cm/s 38 cm/s		at 7.5 ips	at 15 ips		à 19 cm/s	à 38 cm/s		
> 66 dB	> 65	dB	> 66 dB	> 65 dB		> 66 dB > 65 dB		dB
BIAS-Einstell	ung:		BIAS adjustment:		Ajustement du courant de prémagnetisation:			
	∆U-19 cm/s	∆U-38 cm/s		∆U-7.5 ips	Δ U-15 ips		∆U-19 cm/s	∆U-38 cm/s
REVOX 601	4 dB	2 dB	REVOX 601	4 dB	2 dB	REVOX 601	4 dB	2 dB
REVOX 621	4 dB	2,5 dB	REVOX 621	4 dB	2.5 dB	REVOX 621	4 dB	2,5 dB
REVOX 631	6dB	4 dB	REVOX 631	6dB	4 dB	REVOX 631	6dB	4 dB

Änderungen vorbehalten.

Subject to change.

Sous réserve de modification.