

Service Instructions



Lenco L 744 DD

L 744 Direct Drive Auto-return

Technical Specifications

Drive Mechanism

Power Supply, Voltage	110–130 V or 220–240 V
Power Supply	AC 50 or 60 Hz
Drive System	Direct drive
Motor	D. C. electronic commutation
Speeds	$33\frac{1}{3}$, 45 min ⁻¹
Speed (Pitch) Control	± 3%
Power Consumption	approx. 6.5 VA at 220 V/50 Hz
Weight, turntable platter	1.6 kg
Diameter, turntable platter	320 mm
Construction, turntable platter:	Aluminium die-cast with machined $33\frac{1}{3}$, 45 min ⁻¹ stroboscope markings for 50 and 60 Hz
Dimensions	462 × 362 × 145 mm
Tone-arm	S-form, statically balanced
Material	∅ 8 mm aluminium tube
Effective length	227.1 mm
Overhang	17 mm, adjustable
Tone-arm bearings	Precision point and ball bearings
Offset angle	26°
Tracking error angle	≤ +2.34° / -1° between 60 mm and 145 mm, zero point at 64 mm and 114 mm from turntable center
Tone-arm bearing friction	vertical 1.5 mN horizontal 1.5 mN

Tone-arm weight:	14 g
Rumble S/N ratio (DIN A)	≥ -50 dB
Rumble S/N ratio (DIN B)	≥ -70 dB
Wow and flutter (DIN)	≤ ± 0.08 %
Wow and flutter (JIS)	≤ ± 0.045 % WRM
Tracking force, adjustable through	0–50 mN
Antiskating	For elliptical 0–30 mN spherical 0–50 mN Shibata 0–25 mm for dry and wet playing

Specifications and availability are subject to change!

Description label is to be found underneath the turntable platter

Correct ordering of spare parts

When ordering spare parts please specify the complete name, part number, and the relevant page number of the service manual for each required part.

By this method you will be sure to obtain the required part.

Attention:

Only complete motors are available for replacement.

Technical description of the motor

The turntable is directly driven by the motor axle. The speed is electronically controlled. A single change-over switch switches between the two speeds $33\frac{1}{3}$ and 45 rpm. The speeds can be exactly adjusted with the fine speed control and the illuminated stroboscope.

Detailed description

Drive motor with speed stabilization and fine speed control. The motor is an external rotor DC motor with electronic commutation. The rotor is comprised of a permanent magnetic ring and position sensing elements. The stator is comprised of drive coils, control coils, position sensing coils, bearings and, underneath, the electronic circuit. The position sensing elements act as electronic commutation. The control voltage for the electronic speed control is obtained from the separate control coils. The control circuit operates by comparing the voltage from the control coils, which is proportional to the speed, with a reference voltage. The resulting voltage difference controls the current in the drive coils. The speed change and fine speed control simply change the reference voltage.

The complete electronic is mounted in the lower part of the motor. The circuit is very simple as virtually all the components are mounted in the specially developed integrated circuit.

Power supply

The power supply is very simple with all components except the transformer being mounted on a printed circuit board. The AC voltage from the transformer is full wave rectified by bridge G 1, and then smoothed by capacitor C 10. The resulting DC voltage is further regulated by transistor T 3 in conjunction with zener diode 18 giving 18 V to drive the motor electronic.

General information

1. Mains voltage	220 V or	110/220 V
2. Fuses	1×63 mAT	Primary

Power supply

1. Mains current at 220 V AC	= 12 mA
2. DC Voltage U 1 Measured between M- (-) and collector transistor T 3 (+) Fig. 5.	= 23.2–25.6 V
3. Stabilized DC voltage for motor Measured between M- (-) and M + (+)	= 16.2–18.5 V

Speed setting

$33\frac{1}{3}$ RPM, 50 Hz:

With fine control knob in middle position correct, with corresponding adjustment resistor 15 on the PCB (Fig. 4), until the top stroboscope ring appears stationary.

45 rpm, 50 Hz:

With fine control knob in middle position correct, with corresponding adjustment resistor 16 on the PCB (Fig. 4), until the stroboscope ring next to the top appears stationary.

$33\frac{1}{3}$ RPM, 60 Hz; 45 RPM, 60 Hz:

Same as with 50 Hz: For $33\frac{1}{3}$ rpm, 60 Hz observe the next to the lowest strobe ring and for 45 RPM, 60 Hz the lowest strobe ring.

Fault finding and diagnosis

Fault	Cause
Unit does not work, neon lamp does not light.	Check fuse 63 mAT.
Fuse 63 mAT blows.	Short circuit in primary circuit. Short circuit in neon lamp or its socket. Transformer defective. To check, secondary connections have to be desoldered and the primary current measured. The primary no load current should be about 12 mA AC at 220 V, 50 Hz. Printed circuit board takes too much current. Short circuit in cables. Electrolytic condensers C 10, C 12 defective. Short in motor.
Neon lamp lights but unit does not work. After switching off, neon lamp lights, faintly.	Primary winding in the mains transformer is open circuit.
Fine control does not work.	P 1 or 2 or their connections defective. Component in motor or motor defective.
Motor does not turn.	Motor mechanically blocked. Supply voltage from T 3 defective. Broken connection to motor. IC or other component in motor defective.
Motor turns but not properly.	Incorrect voltage from T 3. IC or diodes D 6, D 7, D 8 in motor defective. Connections from motor broken.
Motor does not start in one position.	Coil in stator defective. IC or diodes D 1, D 2, D 3 in motor defective.

Important: In case of motor defect the complete motor must be replaced. Only complete motors are available for replacement.

Adjustment Instructions for L-744 DD

Step	Check	Pre-adjustment	Adjustment	Nominal Value	Remarks
1	Cartridge Overhang Tonearm height	<ul style="list-style-type: none"> – Slightly tighten screw 1, Fig. 1. – Stick sleeves of the connection wires onto cartridge. 	<ul style="list-style-type: none"> – Adjust overhang with stylus adjustment gauge. – Tighten screw 1. – Loosen tonearm again and check if position of cartridge in head is parallel (gap/light test) 	<ul style="list-style-type: none"> – Overhang: 16.9 mm. – Effective tonearm length: 227.1 ± 1 mm. 	<ul style="list-style-type: none"> – With adjustment screw 2, Fig. 1, set height of tone arm above tone arm support to about 1 mm. – At minimum the lift must be set so stylus can be lowered to turntable platter.
2	Electrical On – OFF switch	<ul style="list-style-type: none"> – Slightly tighten screw 3, Fig. 2. – Lock tonearm on its support. 	<ul style="list-style-type: none"> – Turn lever 4, Fig. 2, until micro-switch 5 Fig. 2, switches off. 	<ul style="list-style-type: none"> – Switch-on pt.: Stylus tip min. 155 mm. from spindle. – Switch-off point: 7 mm. between tone arm tube and tone arm rest. 	<ul style="list-style-type: none"> – At tone arm replacement
3	Mechanical auto-stop and return (readiness to stop)	<ul style="list-style-type: none"> – Stylus – Spindle middle Set at 61 mm. 	<ul style="list-style-type: none"> – With screw 6, Fig. 2, adjust until stop plate 7, Fig. 3, is engaged by cam 8, Fig. 3. 		<ul style="list-style-type: none"> – Important: Correctly adjust stop-lock.
4	Arm lift stroke		<ul style="list-style-type: none"> – With screw 9, Fig. 4 		<ul style="list-style-type: none"> – When tone arm return takes place before tone arm lift.
5	Stop-lock	<ul style="list-style-type: none"> – Tone arm on support 	<ul style="list-style-type: none"> – Stop-wire 10 must lightly touch stop lever 11, Fig. 4. 		<ul style="list-style-type: none"> – At operation of stop-switch the tone arm may not move on its rest and stop lever 11 may not touch friction plate 13, Fig. 3.
6	LPI		<ul style="list-style-type: none"> – With screw 14, Fig. 2, turn trimplate so LPI lights up to 30 at start of a 30 cm. record. 		<ul style="list-style-type: none"> – Check with records of other diameters.

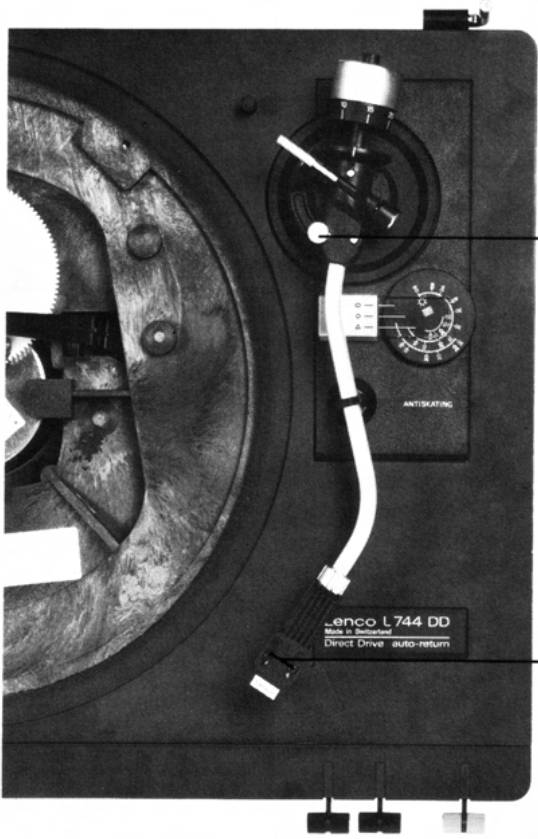


Fig. 1

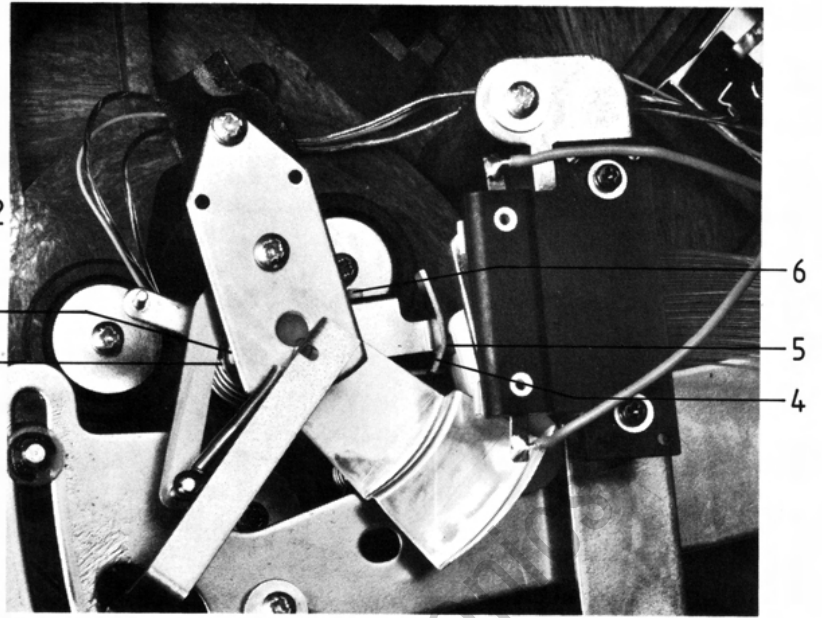


Fig. 2

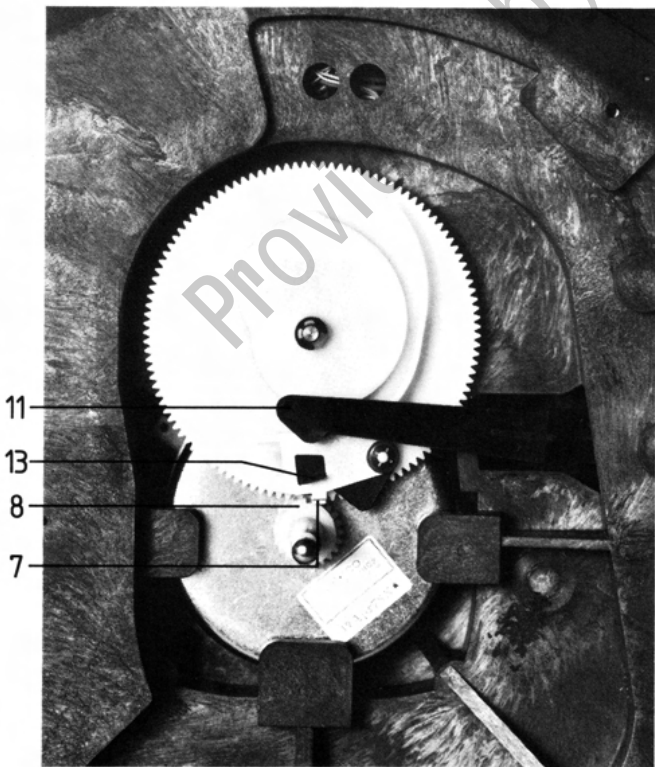


Fig. 3

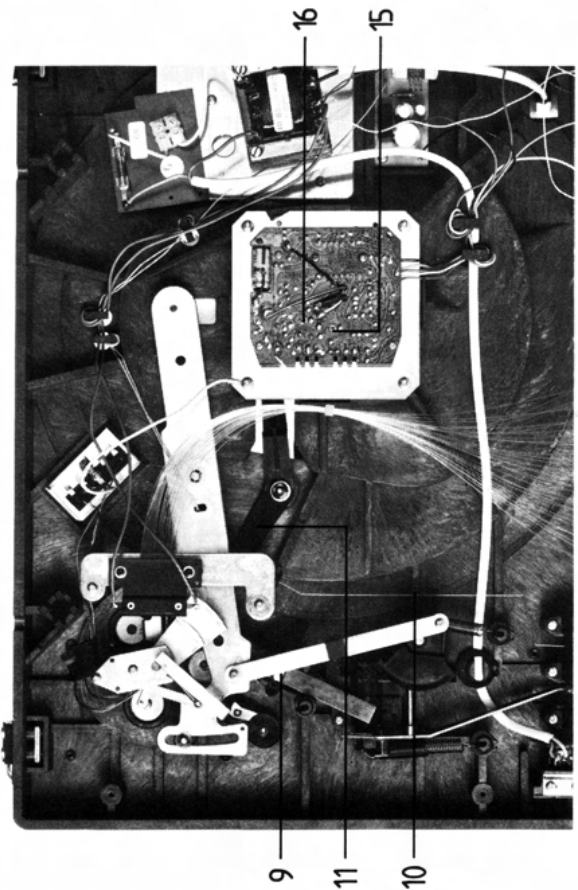
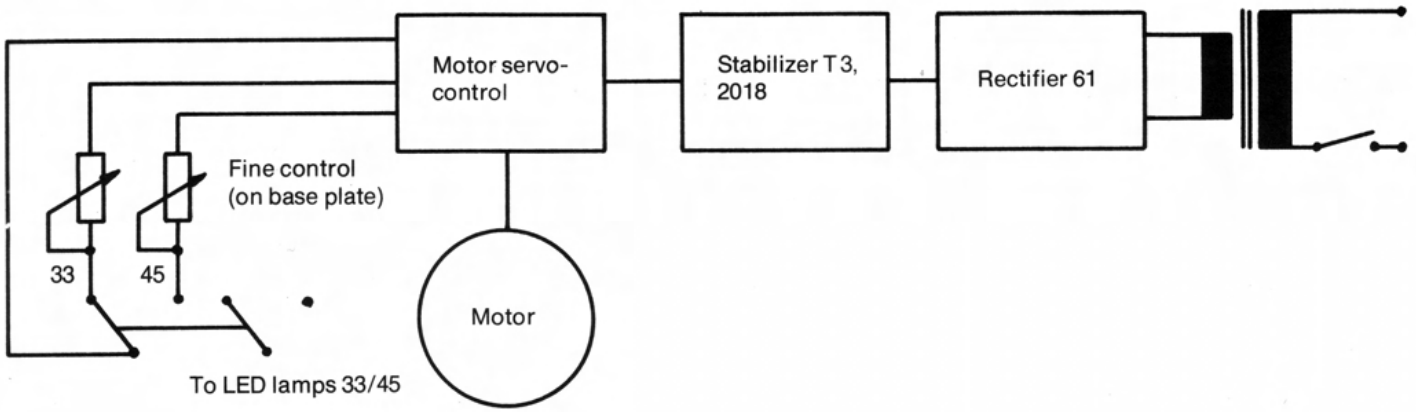
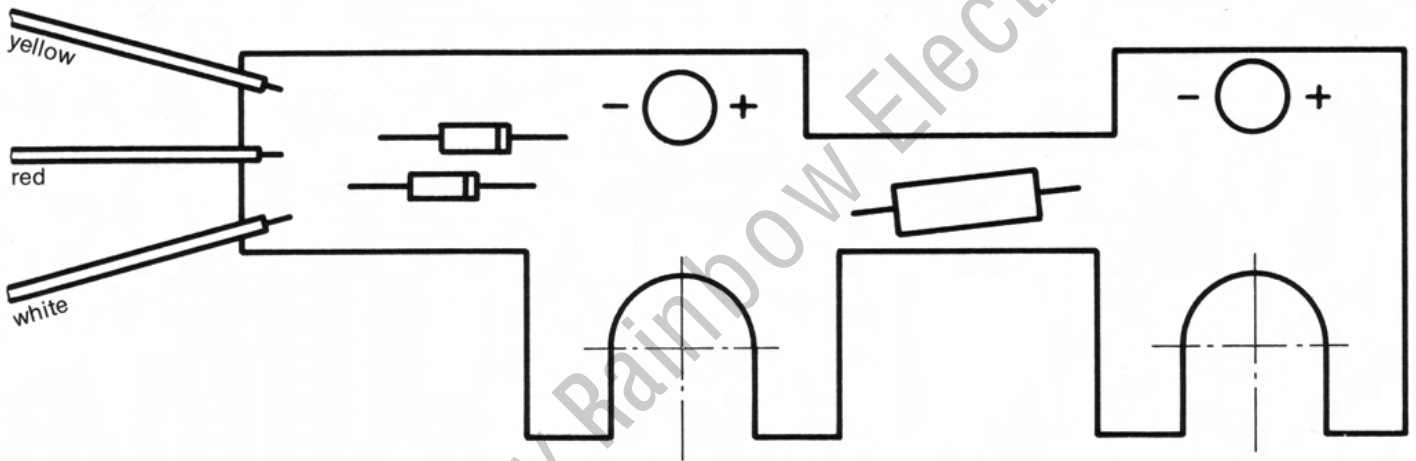


Fig. 4

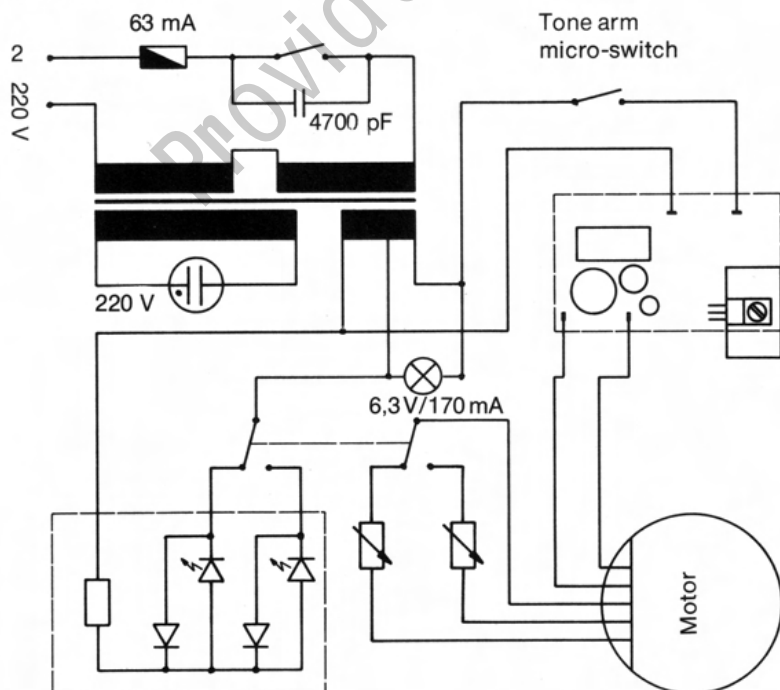
Fine-setting BLOCK DIAGRAM



Print fine regulation



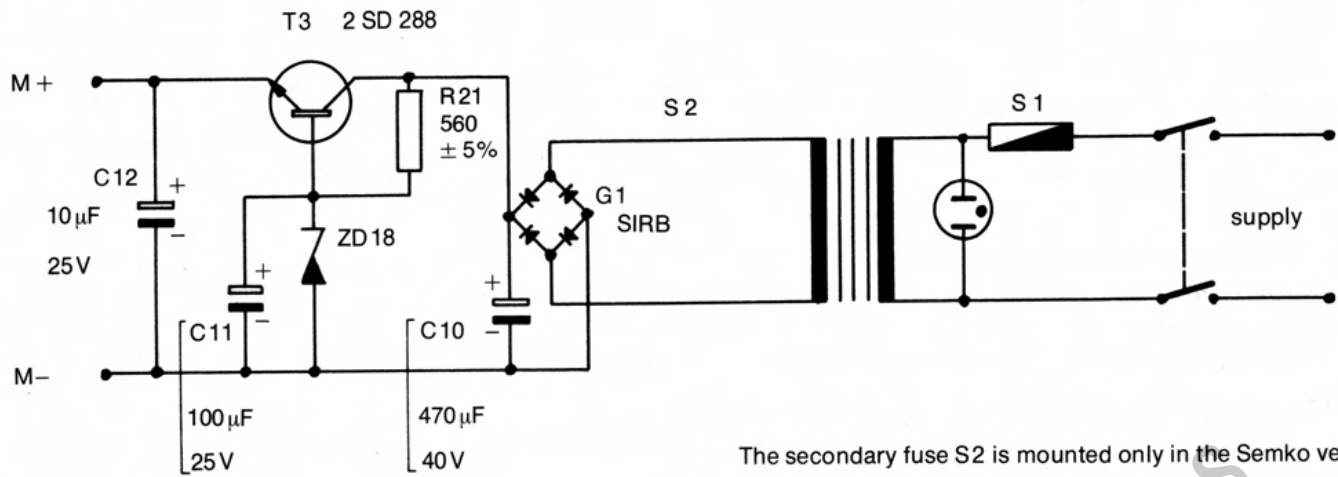
Motor Connection



Print Fine Regulation PARTS LIST

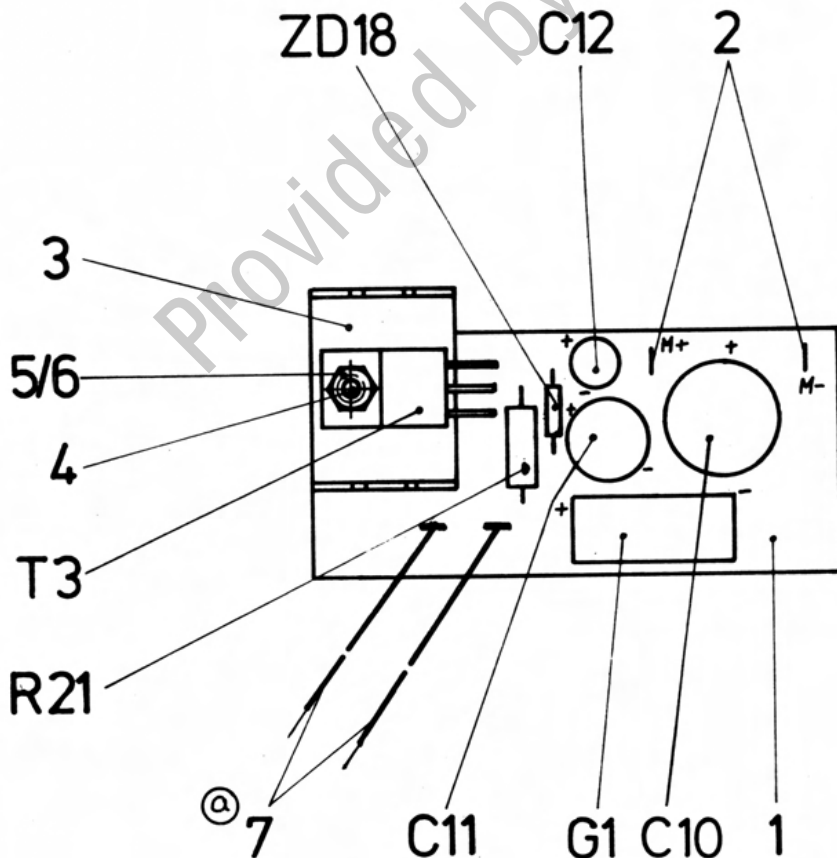
1 PCB, complete		190,0073,01
1 Resistor	470 Ohm 1 W	130,0503
2 LEDs	Type C DL 115 2AR	179,0021
2 Diodes	1 N 4148	171,0009

SUPPLY



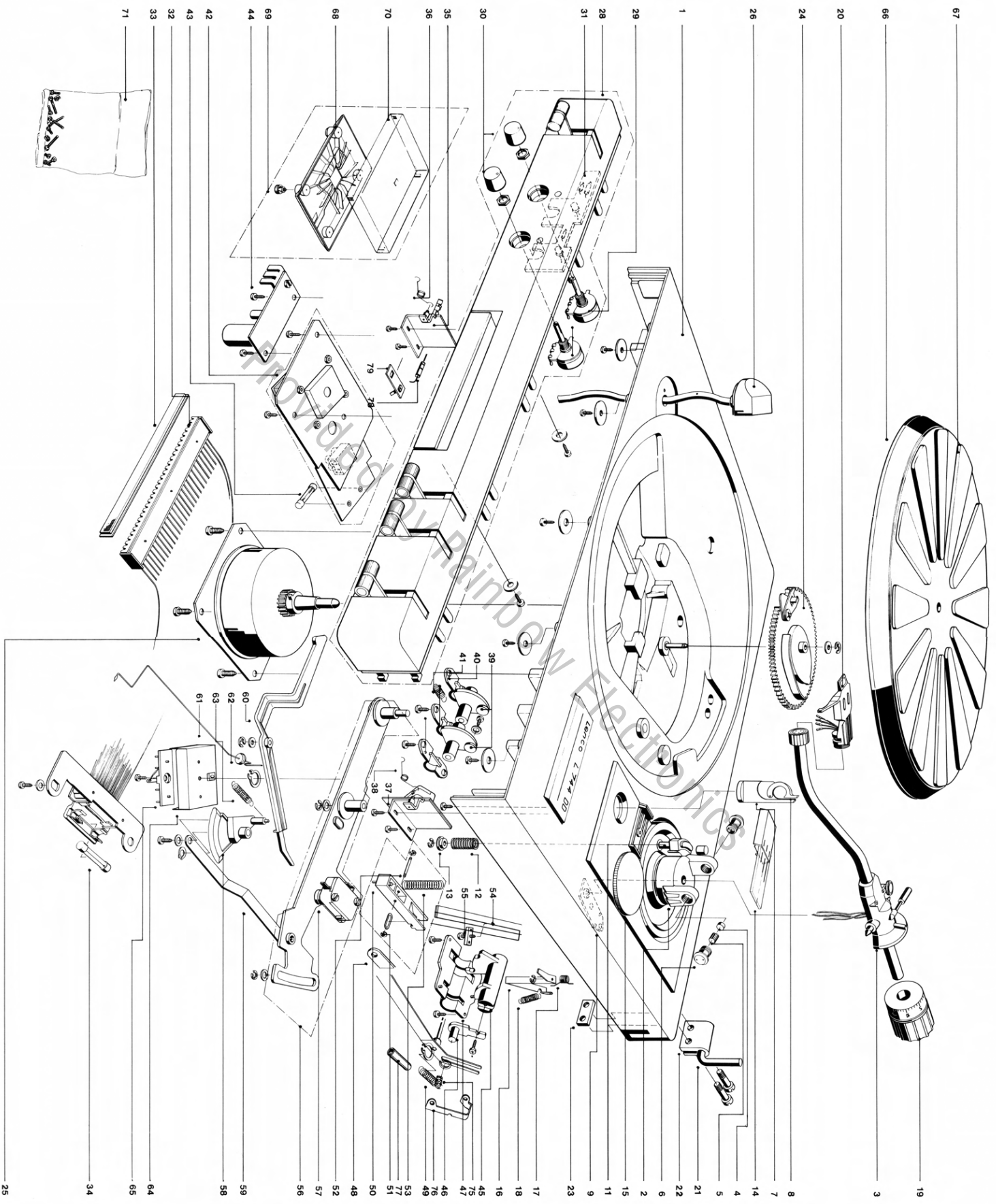
The secondary fuse S2 is mounted only in the Semko version.

T3	2 SD - 288 - NEC	170'0037
ZD18	ZD 18 ± 5%, 500 mW	171'0017
G1	S 1 RB 10 - rectifier	180'0003
C10	Electrolytic condenser 470 uF, 40 V	160'0069
C11	Electrolytic condenser 100 uF, 25 V	160'0066
C12	Electrolytic condenser 10 uF, 25 V	160'0051
R21	Carbon-film resistor 0.5 W, ± 5% 560 Ohm	130'0087

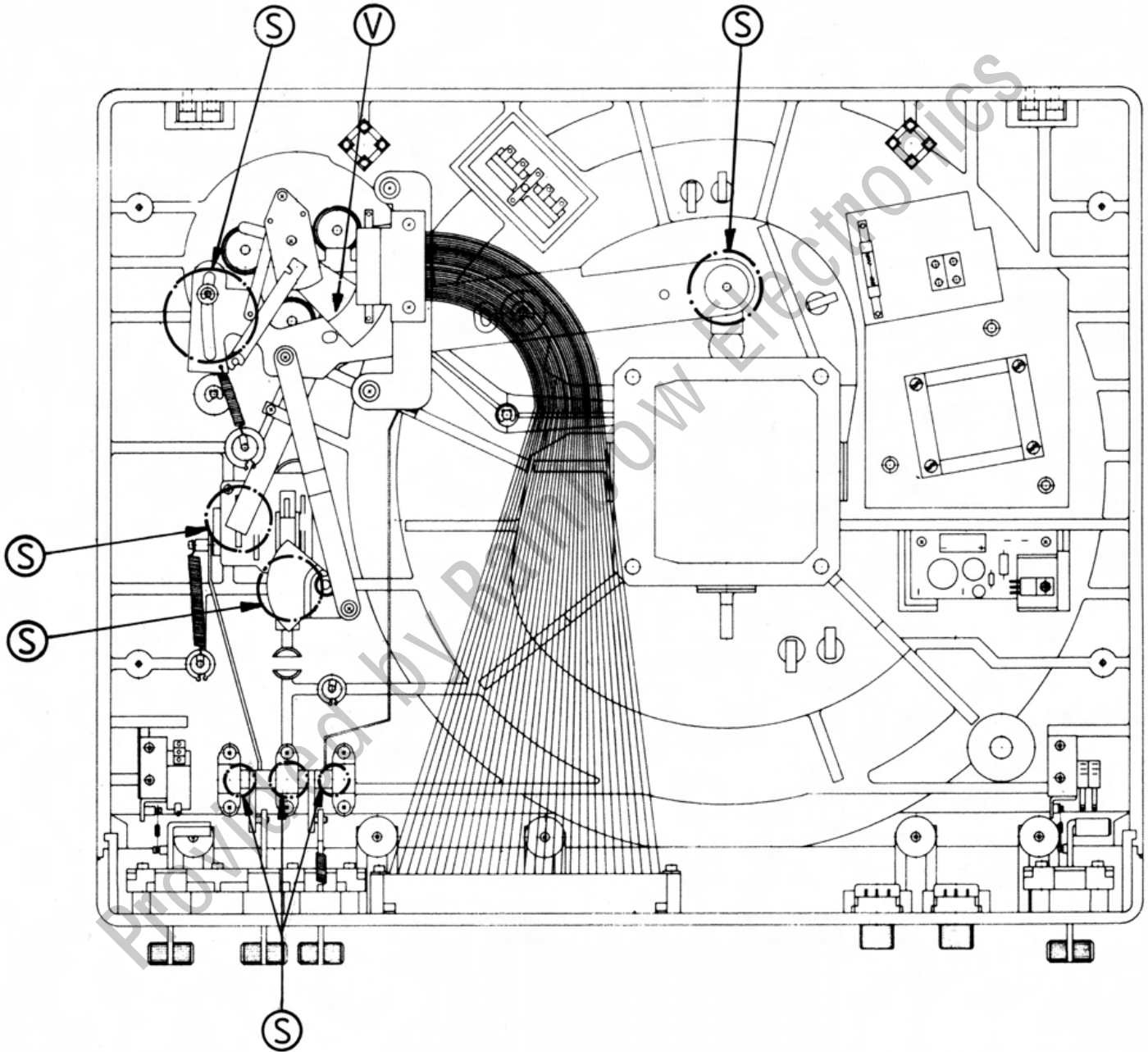


Pos.	PART	Stock No.
1	Housing, spray-painted – beige	050,0867,01
	Housing, spray-painted – black	050,0886,01
2	Tone arm support with axle	085,0033,01
3	Tone arm, complete	079,0063,01
4	Bearing RGC Type C73 C4	046,0023
5	Damping	070,0099
6	Bearing nut	060,0305
7	Tone arm support	050,0489,01
8	Tone arm support lock	050,0490,01
9	Bearing plate, complete	090,0586,01
11	Arm lift segment	050,0924,01
12	Pressure spring	081,0067
13	Bush	057,0464
14	Marking indicator, complete	050,0900,01
15	Setting disk, complete	050,0836
16	Anti-skating lever, riveted	090,0571,01
17	Rotating spring	083,0010
18	Tension spring	080,0014
19	Counter-weight, complete	060,0364,01
20	Plug-in head	225,0017,07
21	Hinge angle	057,0334,01
22	Hinge clamp	050,0454
23	Stop plate	090,0375,01
24	Curve wheel, complete	050,0897,01
25	Motor	271,0017,01
26	Stroboscope, complete – standard	179,0030,01
	Stroboscope, complete – CSA	179,0031,01
28	Trimplate, complete	050,0921,01
29	Rotating potentiometer	147,0057
30	Knob	050,0831
31	Printed circuit board (PCB), complete	190,0075,01
32	LPI, complete	050,0840,01
33	View window	050,0851
34	Lamp	179,0022
35	Support plate, complete	090,0543,01
36	Hinge spring	077,0039
37	Support plate, complete – Variation I	090,0546,01
	Support plate, complete – Variation II	090,0547,01
38	Hinge spring	077,0039
39	Guide segment	050,0823,01
40	Bearing shell	050,0821,01
41	Tension spring	080,0078
42	Mains transformer, complete – 220 V / 50 Hz	055,0058,01
	Mains transformer, complete – 110 V / 220 V	055,0060,01
	Mains transformer, complete – 240 V: BS	055,0061,01
	Mains transformer, complete – 220 V: D	055,0062,01
	Mains transformer, complete – 117 V: USA	055,0063,01

Pos.	PART	Stock No.
43	Fuse – 400 mA	178,0016
	Fuse – 125 mA	178,0025
	Fuse – 63 mA	178,0029
	Fuse – 100 mA	178,0035
44	PCB assembly	190,0040,01
45	Cam shaft	050,0818,01
46	Off-center lever	050,0828,01
47	Cover	050,0910,01
48	Switch lever, riveted	090,0565,01
49	Tension spring	080,0051
50	Rocker	050,0911,01
51	Rubber ring	070,0134
52	Axle	057,0462
53	Pressure spring	081,0068
54	Lever	090,0530,01
55	Support	050,0753,01
56	Transmission lever, complete – standard	090,0568,01
	Transmission lever, complete – Demko	090,0574,01
57	Micro-switch	090,0574,01
58	Curve disk	050,0811,01
59	Lever	090,0531,01
60	Switch-off lever	050,0798
61	Switch-off wire	077,0091
62	Lead-through bush	070,0149
63	Tension spring	080,0027
64	Screening case	090,0467,01
65	Contact holder, complete	097,0005,01
66	Turntable platter	285,0008
67	Turntable rubber mat	070,0116
68	Bottom panel, spray-painted	330,0265,01
69	Base spring-suspension, complete	050,0835,01
70	Dust cover, complete	330,0241
71	Set of screws, consisting of: 2 cylindrical screws with cross-slotted head M25 × 8	000,0061
	2 cylindrical screws with cross-slotted head M25 × 10	000,0062
	2 cylindrical screws with cross-slotted head M25 × 12	000,0081
	2 cylindrical screws with cross-slotted head M25 × 14	000,0064
	2 cylindrical screws with cross-slotted head M25 × 16	000,0066
	2 cylindrical screws with cross-slotted head M25 × 18	000,0084
	2 slotted nuts	060,0279
	1 plastic bag	073,0318
75	Pressure spring	081,0072
76	Tone arm lift lever	081,0072
77	Soflex tube	121,0037,02
78	Resistor 10 kOhm 1/2 W ± 5%	130,0061
79	Soldering lug strip with eyelet	097,0007,01



Lubricating Plan



S = Graisse Silicones, Rohdorsil SA
V = Oil 47V, 500 000 C

TELEFUNKEN
SERVICE



Plattenspieler

Telefunken S-900
Lenco L 744 DD

Rep. & Service Instruction



TELEFUNKEN SERVICE



Plattenspieler

S 900 hifi

Order-Nr. 319461 225

Das Chassis des Plattenspielers ist als HS 20 hifi unter der Baustein-Nr. BS 5815 in Kompaktanlagen eingebaut.

The record players chassis is incorporated in compact units as HS 20 hifi under the construction no. BS 5815.

Le chassis du tourne-disques est incorporé dans des systèmes compacts comme HS 20 hifi sous le no. d'élément standardisé BS 5815.

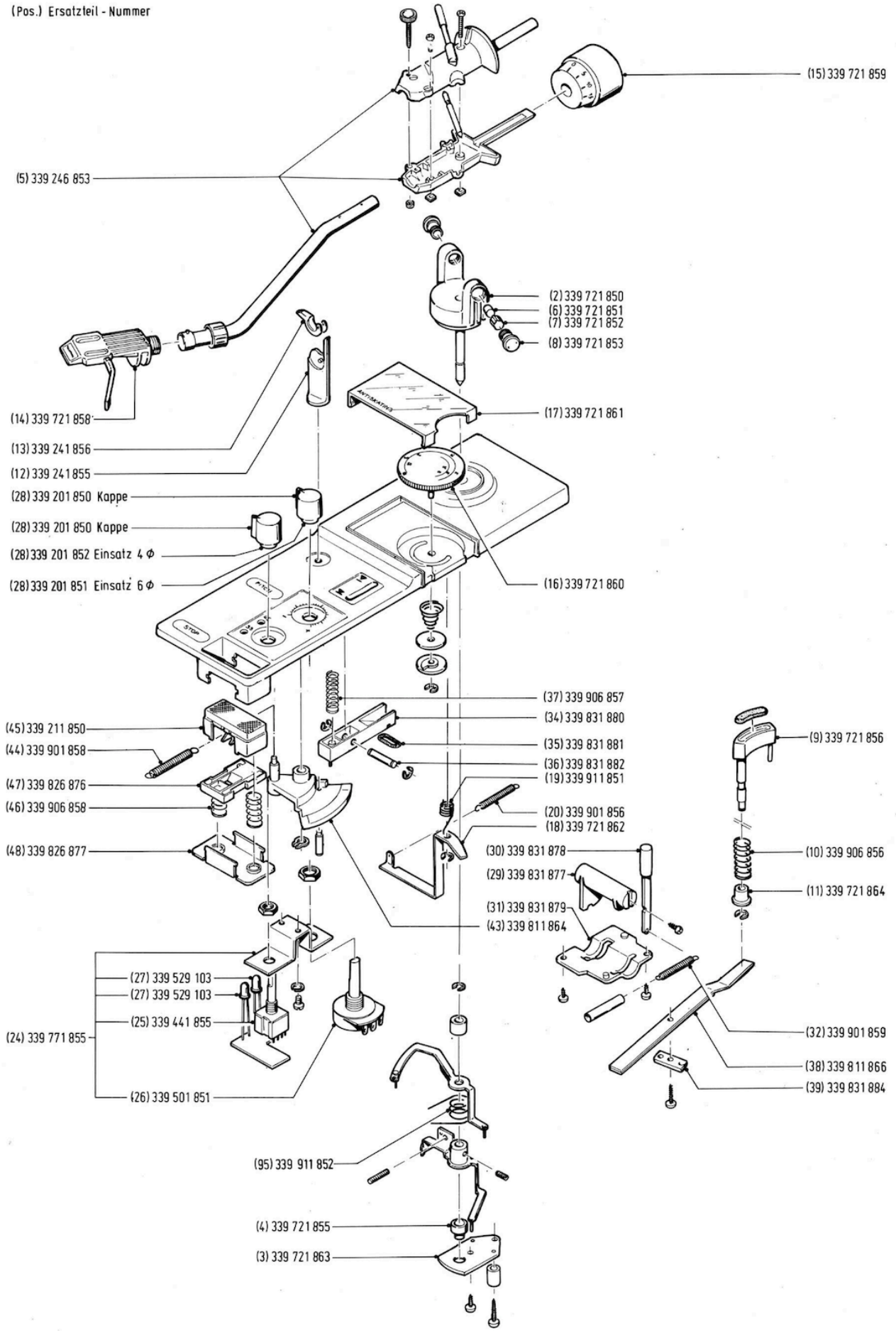


Technische Daten	Technical Data	Caractéristiques techniques
<p>Allgemeine Daten</p> <p>Stromversorgung 220/110 V (50/60 Hz) Antriebssystem Direct-Drive Motor kollektorloser Gleichstrommotor 18 V DC Drehzahlen 33 1/3, 45 min⁻¹ Drehzahlfeinregulierung ±3 % Leistungsaufnahme ca. 2,2 VA bei 220 V/50 Hz Plattenteller 1,3 kg schwer, 305 mm Ø, Aluminium-Druckguß, mit 33 1/3, 45 min⁻¹ = Markierungen für 50 und 60 Hz</p> <p>Gehäuse-Abmessungen 460 x 350 x 140 mm Tonarm S-förmig, statisch ausbalanciert Material Ø 8 mm Alu-Rohr Tonarmlänge effektiv 227,1 mm Überhang 17 mm verstellbar Tonarmlager Präzisions-Spitz- und Kugellager Kröpfungswinkel 26° Spurfehlwinkel 0,16°/cm</p> <p>Tonarmlagerreibung vertikal: 1,5 mN; horizontal: 1,5 mN Rumpelfremdspannungsabstand (DIN A) ≅ -45 dB</p> <p>Geräuschspannungsabstand (DIN B) ≅ -72 dB Gleichlaufschwankungen (DIN) ≤ 0,055 % Auflagekraft, stufenlos einstellbar 0-50 mN Antiskating elliptisch 0-30 mN; sphärisch 0-50 mN Trocken- und Naßabspielen</p> <p>Tonabnehmer Typ: Stereo-Tonabnehmer, magnetisch ORTOFON F 15 0 MK II Frequenzgang 20-20 000 Hz Ausgangsspannung 5 mV (1 kHz, 5 cm/s Schnelle) Kanaltrennung > 20 dB bei 1 kHz Kanalbalance < 2 dB bei 1 kHz Impedanz 3,8 kΩ Auflagekraft 15 mN Ersatznadel ORTOFON N 15 0 MK II</p> <p>Änderungen vorbehalten</p>	<p>General Data</p> <p>Power supply Drive System Motor Speeds Speeds (Pitch) Control Power Consumption Turntable platter</p> <p>Housing dimensions Tone-arm Material Effective length Overhang Tone-arm bearings Offset angle Tracking error angle</p> <p>Tone-arm bearing friction Rumble S N ratio (DIN A)</p> <p>Rumble S N ratio (DIN B)</p> <p>Wow & flutter (DIN)</p> <p>Tracking force, adjustable through Antiskating</p> <p>Pick-up Type</p> <p>Frequency response Output voltage Channel separation Channel balance Impedance Stylus force Spare stylus</p> <p>Alterations reserved</p>	<p>Généralités</p> <p>Alimentation Système d'entraînement Moteur Vitesse Réglage de vitesse Consommation Plateau</p> <p>Dimensions du boîtier Bras de lecture Matière Longueur effective Porte-à-faux Palier du bras de lecture Angle correcteur Angle de désalignement tangentiel max. Frottement du bras de lecture Composante de ronronnement (rumble) mesure non pondérée (DIN A) Rapport signal/bruit (DIN B)</p> <p>Pleurage et scintillement (DIN)</p> <p>Réglage de la force d'application</p> <p>Antiskating</p> <p>Système de pick-up Type</p> <p>Bande passante Tension de sortie Séparation canaux Balance des canaux Impédance Force d'appui Aiguille de remplacement</p> <p>Tous droits de modification réserve</p>

Justierhinweise für S 900 hifi

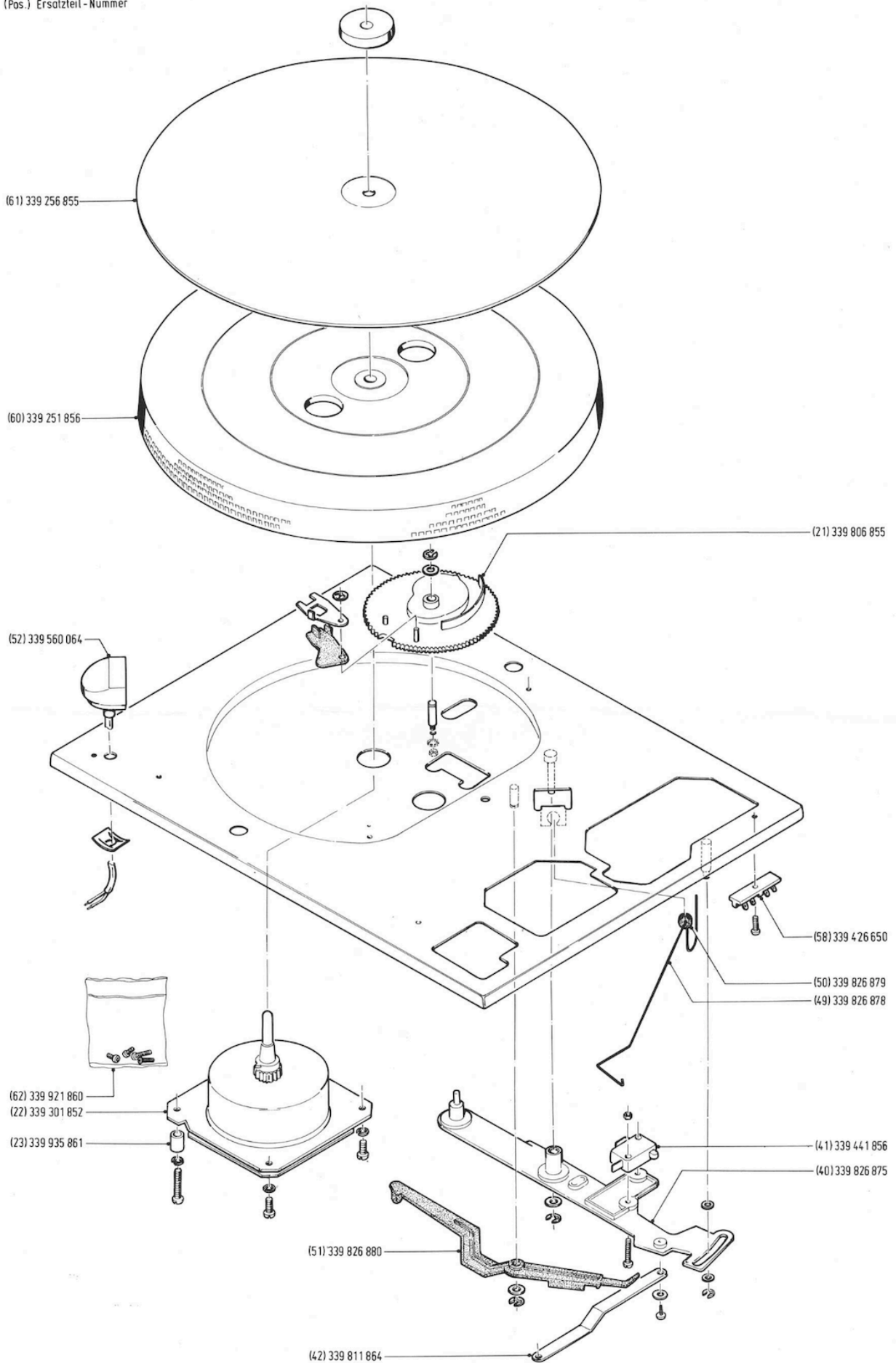
Pkt.	Kontrolle	Voreinstellung	Einstellung	Sollwert	Bemerkung
1	Abtastsystem Überhang Tonarmhöhe	<ul style="list-style-type: none"> Schrauben 1 Abb. 1 leicht anziehen Steckhülsen der Anschlußleitung auf System stecken gem. Abb. 2 	<ul style="list-style-type: none"> Mit Nadeleinstellehre Überhang einstellen Schrauben 1 festziehen Tonarmkopf wieder lösen und parallelen Sitz des Systems im Kopf überprüfen (Lichtspaltprobe) 	<ul style="list-style-type: none"> Überhang 16,9 mm effektive Tonarmlänge $227,1 \pm 1$ mm 	<ul style="list-style-type: none"> Mit Stellschraube 2 Abb. 1 Höhe des Tonarmes über Tonarmstütze ca. 1 mm einstellen Nadel muß mit Lift im Minimum auf Plattenteller abgesenkt werden können
2	Elektrischer Ein-Ausschalter	<ul style="list-style-type: none"> Schraube 3 Abb. 4 leicht anziehen Tonarm auf Stütze arretieren 	<ul style="list-style-type: none"> Hebel 5 Abb. 4 drehen bis Micro-Schalter 6 Abb. 4 ausschaltet 	<ul style="list-style-type: none"> Einschaltpunkt: Nadelspitze min. 155 mm von Achsmittle Motor Ausschaltpunkt: 7 mm zwischen Tonarmrohr und Anschlag Tonarmstütze 	<ul style="list-style-type: none"> Bei Tonarmwechsel
3	Mechanische Abstell-Rückführ-Automatik (Abstellbereitschaft)	<ul style="list-style-type: none"> Abstand – Nadel – Achsmittle auf 61 mm einstellen 	<ul style="list-style-type: none"> Mit Schraube 7 Abb. 4 einstellen bis Abstellplättchen 8 Abb. 3 an Nocken 9 Abb. 3 anschlägt 		<ul style="list-style-type: none"> Wichtig: Stop-Sperre richtig einstellen
4	Armliftweg		<ul style="list-style-type: none"> Mit Schraube 10 Abb. 4 		<ul style="list-style-type: none"> Wenn Tonarmrücktransport vor Abhebung des Tonarms
5	Stopperre	<ul style="list-style-type: none"> Tonarm auf Stütze 	<ul style="list-style-type: none"> Stop-Draht 11 muß Abstellhebel 12 leicht berühren Abb. 4 		<ul style="list-style-type: none"> Bei Betätigung der Stop-Taste darf sich der Tonarm auf der Tonarmstütze nicht bewegen und der Abstellhebel 12 das Friktionspl. 13 Abb. 3 nicht berühren
6	Geschwindigkeit	<ul style="list-style-type: none"> Pitch auf Null 	<ul style="list-style-type: none"> Mit Einstellwiderstand 14 für $33 \frac{1}{3} \text{ min}^{-1}$ und Einstellwiderstand 15 für 45 min^{-1} Abb. 4 Kontrolle mit Stroboskop 		

(Pos.) Ersatzteil - Nummer



Wichtig: Bei Ersatzteilbestellungen bitte **unbedingt** die neunstellige **Ersatzteilnummer** angeben.
N.B. When demanding Spare Parts it is **absolutely necessary** to quote the nine digit **Part Number**.
Important: Lors d'une commande de pièces de rechange, prière **en tout cas** d'indiquer le numéro d'article à 9 chiffres.

(Pos.) Ersatzteil - Nummer



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Important: Lors d'une commande de pièces de rechange, prière **en tout cas** d'indiquer le numéro d'article à 9 chiffres.

Ersatzteilliste · Spare parts list · Liste de pièces de rechange

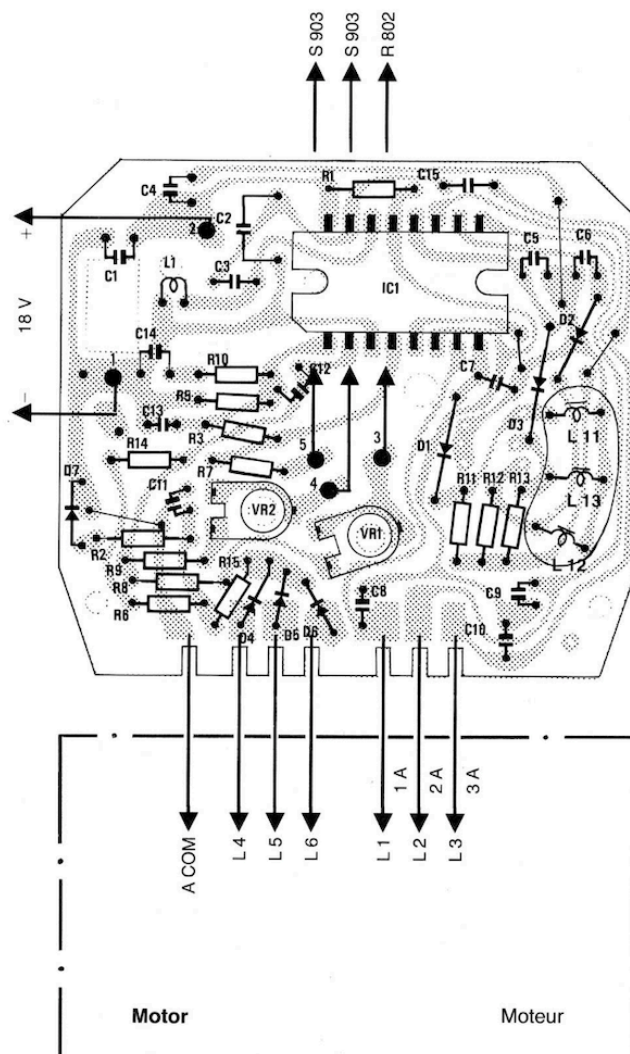
Wichtig: Bei Ersatzteilbestellungen bitte **unbedingt** die neunteilige **Bestellnummer** angeben!

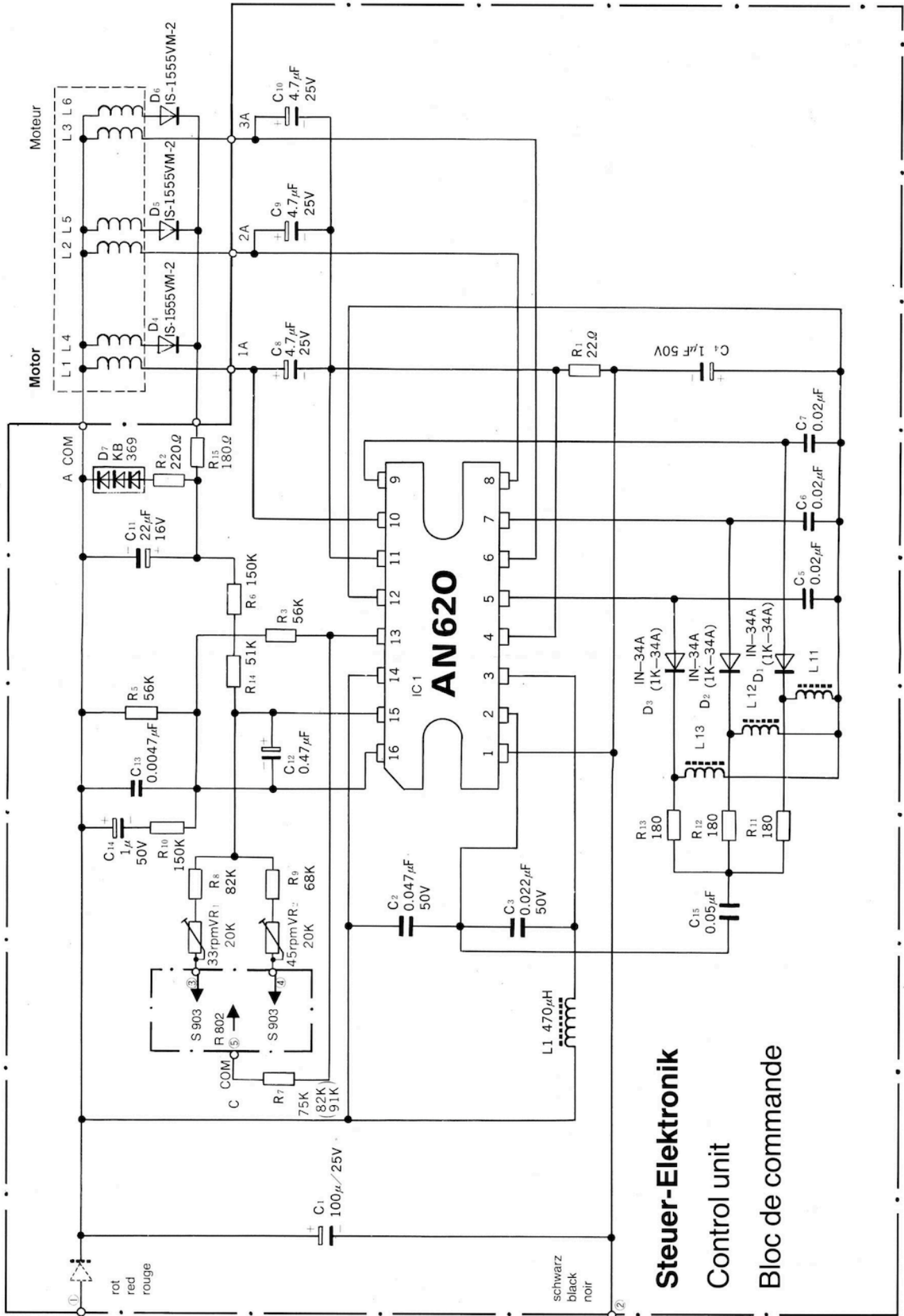
N. B.: When demanding Spare Parts it is **absolutely necessary** to quote the nine digit **Part Number** quoted herein!

Important: Lors d'une commande de pièces de rechange, prière **en tout cas** d'indiquer le numéro d'article à 6 chiffres!

Position	Order-No.	Benennung, Item, Description
IC 1	339 575 073	IC AN 620
D 1, 2, 3	309 327 903	Diode 1N-34 A
D 4, 5, 6	339 529 140	Diode IS-1555 VM-2
D 7	339 529 139	Diode KB-369

Steuer-Elektronik · control unit · bloc de commande





Steuer-Elektronik

Control unit

Bloc de commande

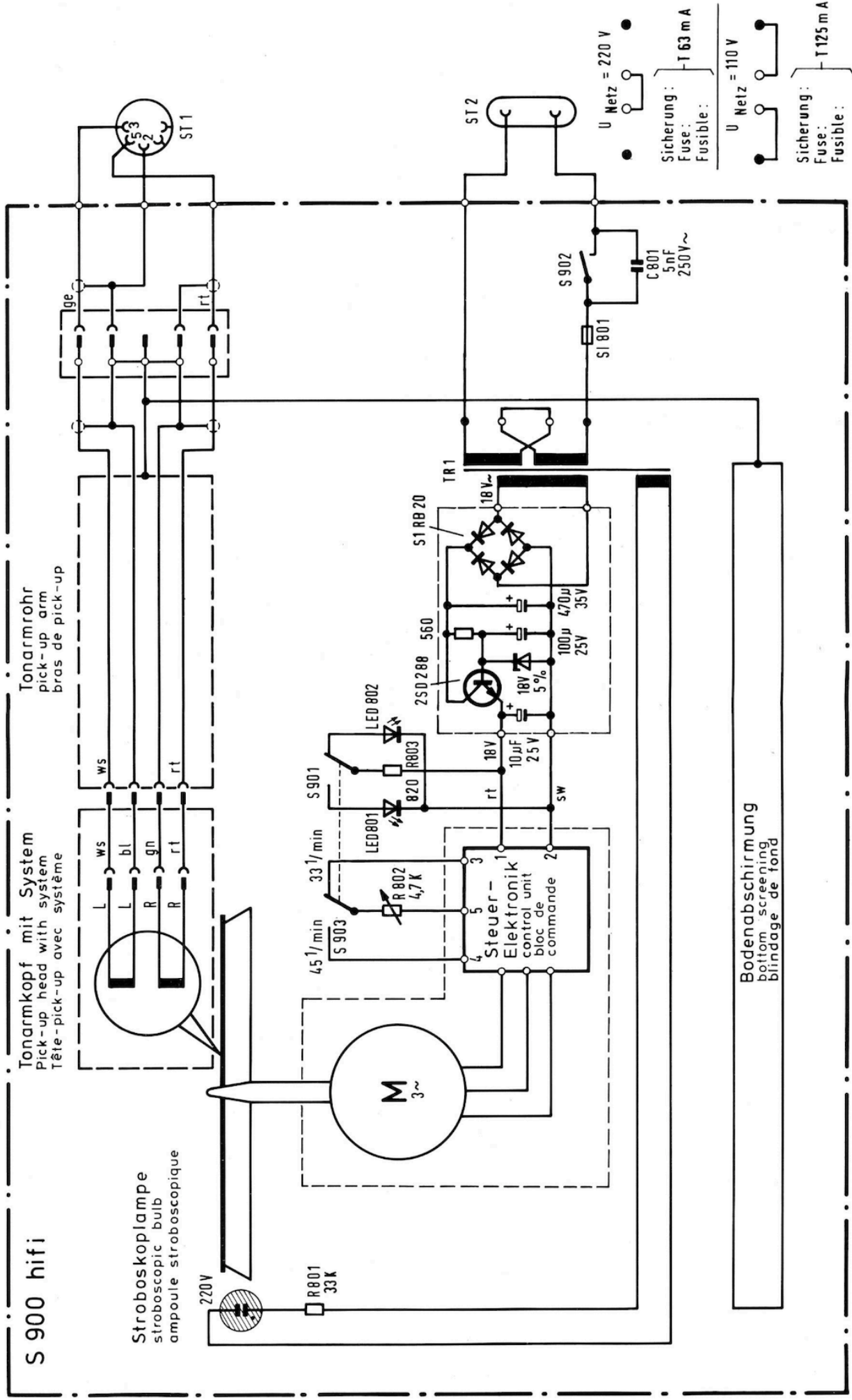
S 900 hifi

Tonarmkopf mit System
Pick-up head with system
Tête-pick-up avec système

Tonarmrohr
pick-up arm
bras de pick-up

Stroboskoplampe
stroboscopic bulb
ampoule stroboscopique

Bodenabschirmung
bottom screening
blindage de fond



U Netz = 220 V
Sicherung : T 63 mA
Fusible :
U Netz = 110 V
Sicherung : T 125 mA
Fusible :

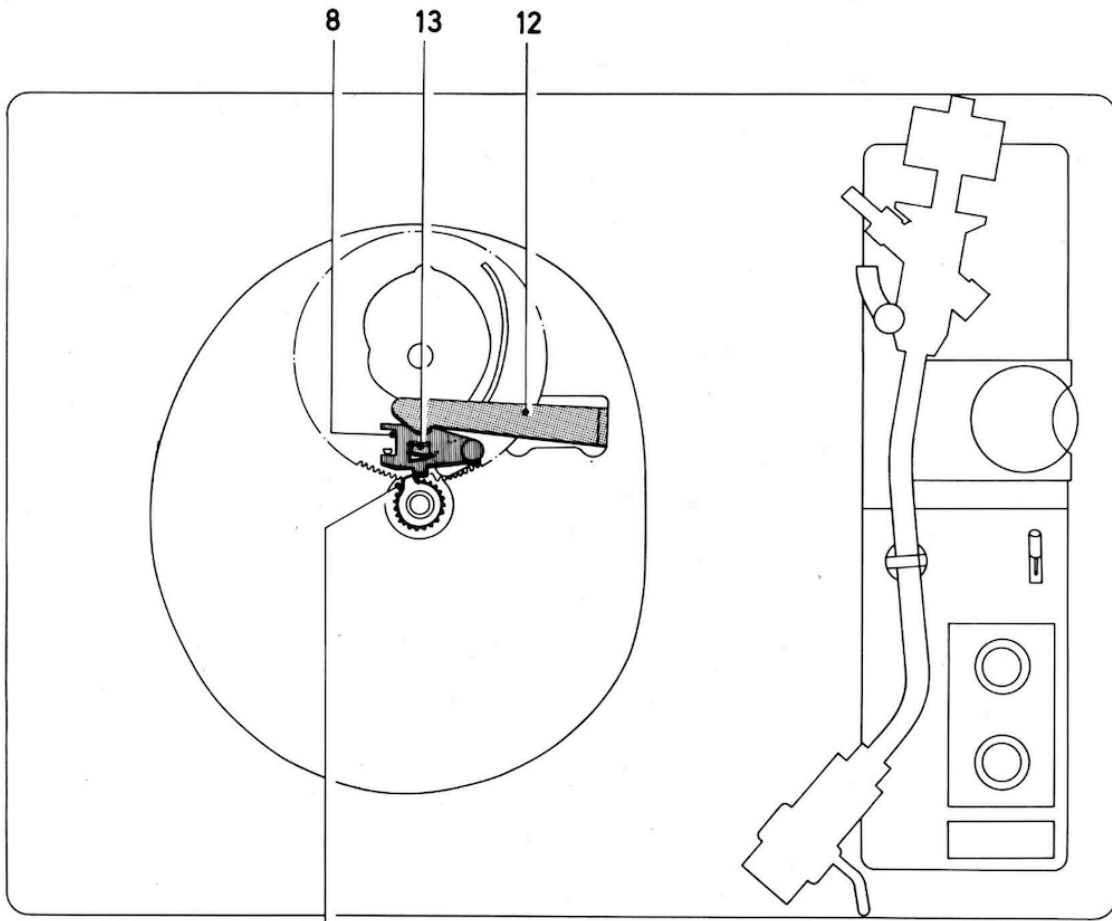


Abb. 3

Fig. 3

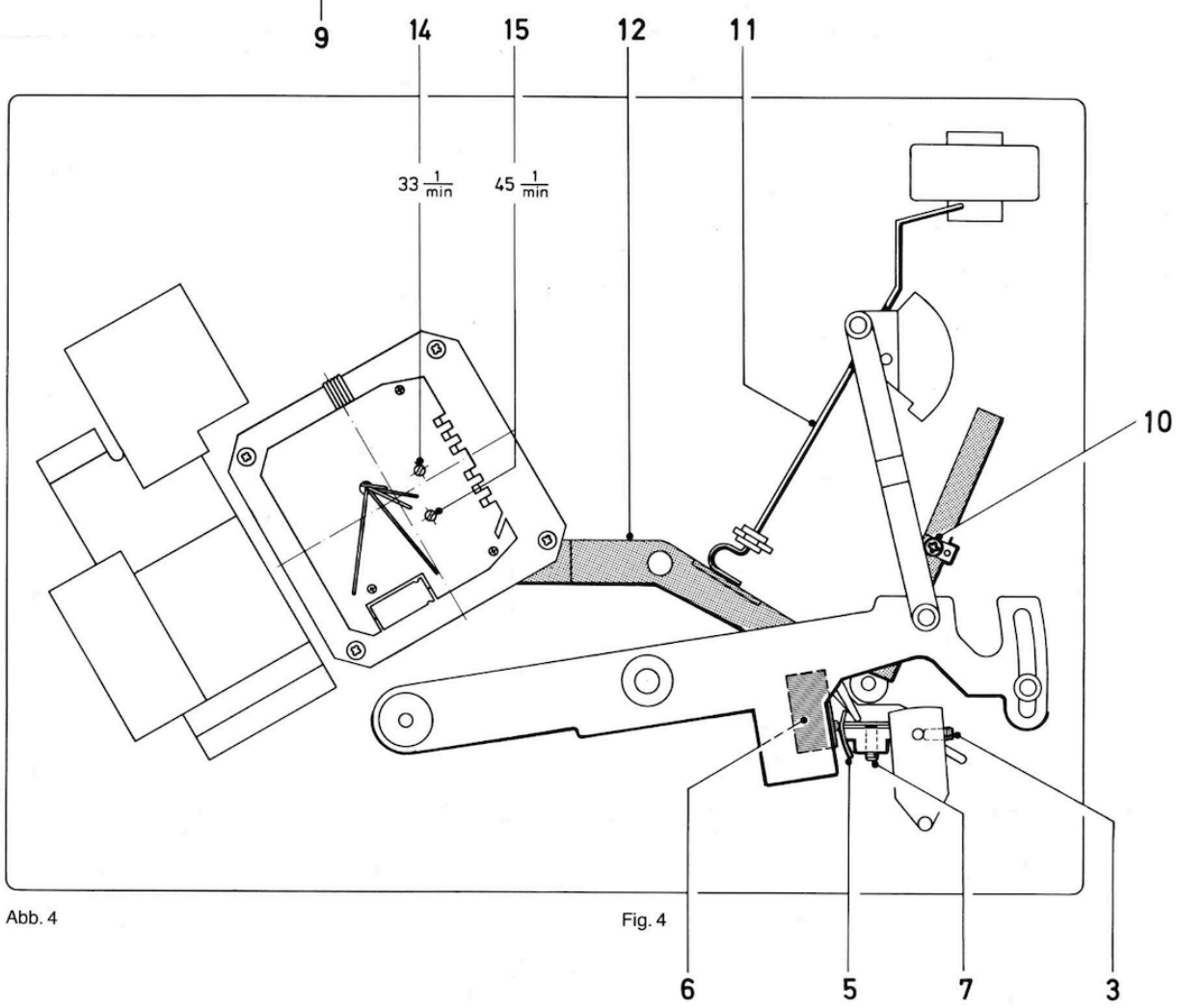


Abb. 4

Fig. 4

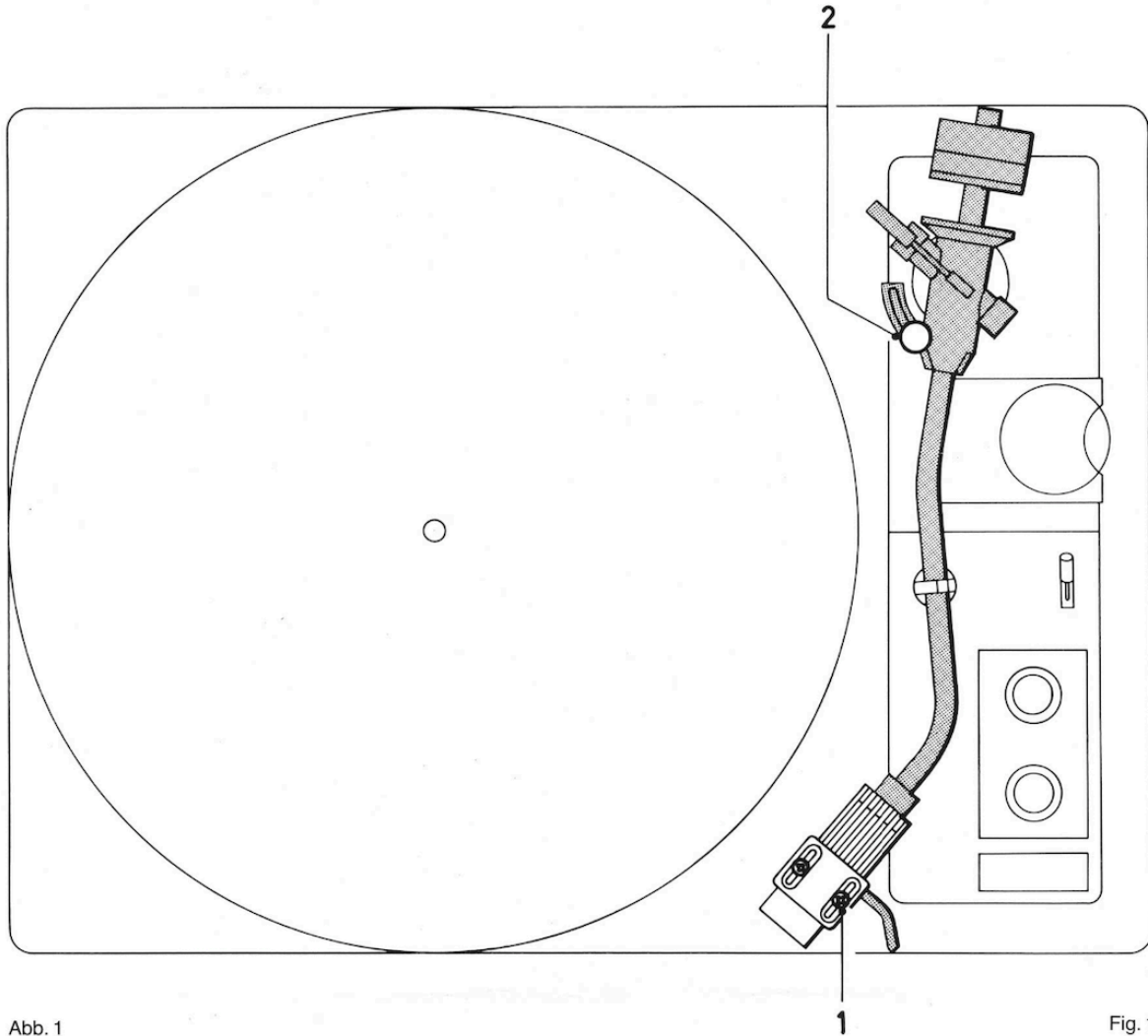
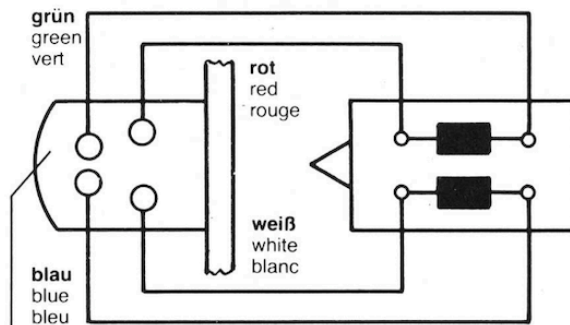


Abb. 1

Fig. 1

Ortofon F 15 O MkII



Tonkopfstecker: Ansicht von der Lötseite auf die Steckerstifte
 Magnetic headplug: view from soldered side onto plug pins
 Prise de tête sonore: vue du côté de soudre sur chevilles

Shure M 75 MG Type 2

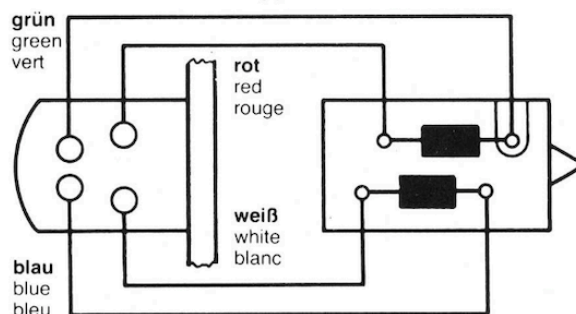


Abb. 2

Fig. 2

Indications d'ajustage pour S 900 hifi

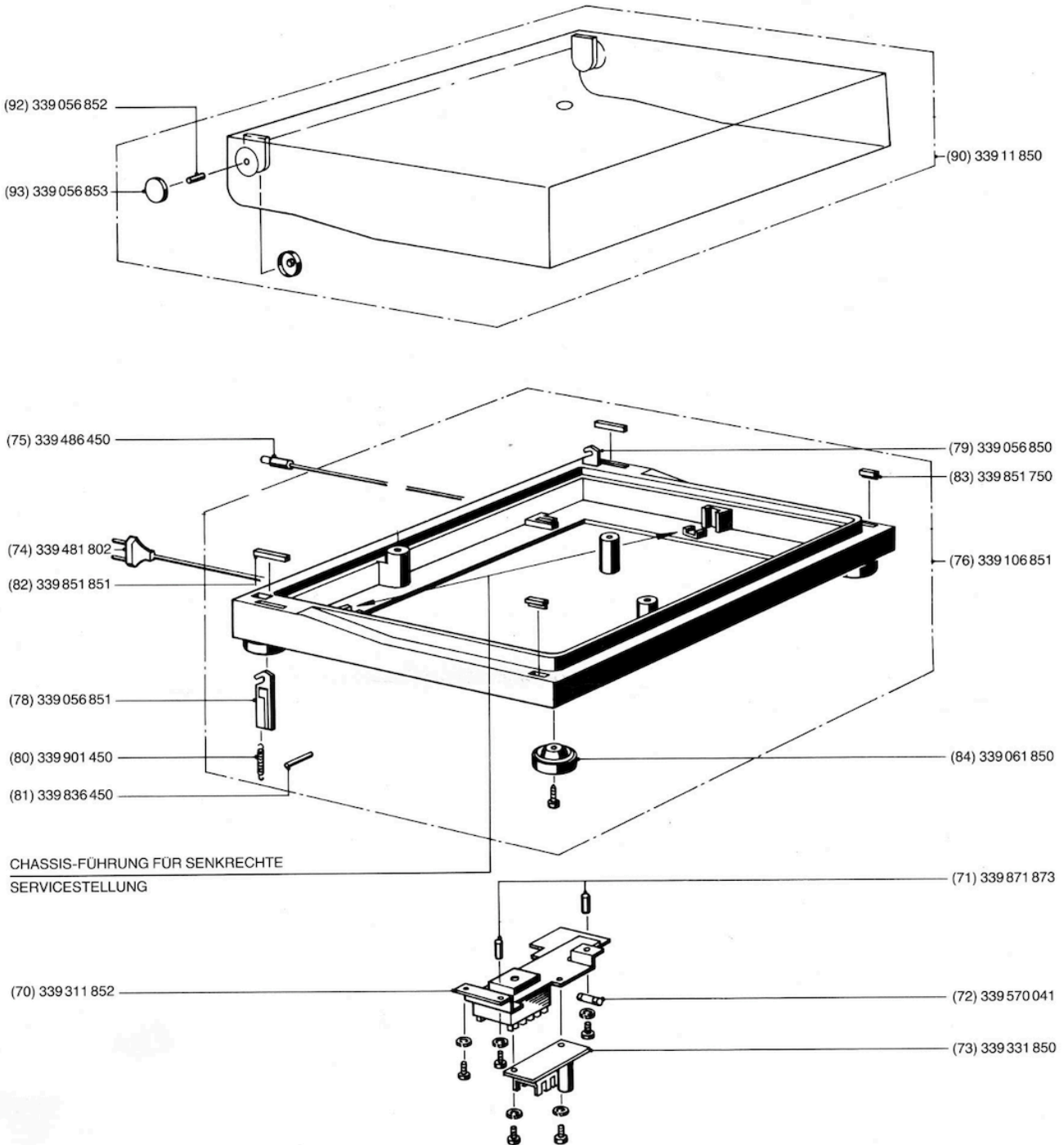
No	Contrôle	Préréglage	Réglage	Valeur de consigne	Remarque
1	Lecteur Porte-à-faux Hauteur du bras	<ul style="list-style-type: none"> Serrer légèrement les vis 1 fig. 1 Enficher les douilles de la conduite de raccordement sur le système selon fig. 3 	<ul style="list-style-type: none"> Régler le porte-à-faux avec le calibre Serrer les vis 1 Desserrer à nouveau la tête du bras de lecture et vérifier la parallélité du système dans la tête (essai de fente lumineuse) 	<ul style="list-style-type: none"> Porte-à-faux 16,9 mm Longueur effective du bras de lecture: $227,1 \pm 1$ mm 	<ul style="list-style-type: none"> Régler à l'aide de la vis de réglage 2, fig. 1 la hauteur du bras par rapport à l'appui du bras: 1 mm env. L'aiguille doit pouvoir être descendue au minimum à l'aide du lift sur la platine
2	Interrupteur électrique marche/arrêt	<ul style="list-style-type: none"> Serrer légèrement la vis 3, fig. 4 Bloquer le bras de lecture au-dessus de son appui 	<ul style="list-style-type: none"> Tourner le levier 5, fig. 4 jusqu'à ce que le micro-interrupteur 6, fig. 4 commute 	<ul style="list-style-type: none"> Point de mise en marche: pointe de l'aiguille à 155 mm min du milieu de l'axe du moteur Point de d'interruption: 7 mm entre le tube du bras et la butée de l'appui du bras 	<ul style="list-style-type: none"> En cas de remplacement du bras de lecture
3	Mécanisme automatique d'arrêt et de retour	<ul style="list-style-type: none"> Régler le centre de l'axe de l'aiguille à 61 mm 	<ul style="list-style-type: none"> Régler avec la vis 7, fig. 4, de sorte que les plaquettes 8, fig. 3 butent contre la came 9, fig. 3 		<ul style="list-style-type: none"> Important: régler convenablement le blocage du stop
4	Course du lift du bras de lecture		<ul style="list-style-type: none"> Avec la vis 10, fig. 4 		<ul style="list-style-type: none"> Si le transport retour du bras se fait avant le soulèvement du bras
5	Blocage du stop	<ul style="list-style-type: none"> Bras de lecture sur l'appui 	<ul style="list-style-type: none"> Le fil d'arrêt 11 doit effleurer le levier d'arrêt 12, fig. 4 		<ul style="list-style-type: none"> En actionnant le bouton stop, le bras ne peut pas se déplacer sur l'appui, et le levier d'arrêt 12 ne peut pas toucher la plaque de friction 13, fig. 3
6	Vitesse	<ul style="list-style-type: none"> Pitch à zéro 	<ul style="list-style-type: none"> Avec une résistance de réglage 14 pour 33 1/3 tr/mn et résistance de réglage 15 pour 45 tr/mn, fig. 4; contrôle avec stroboscope 		

Adjustment Instructions for S 900 hifi

Pt.	Control	Preliminary Adjustment	Adjustment	Desired Value	Notes
1	Cartridge Overhang Tone arm height	<ul style="list-style-type: none"> ● Screw 1, Fig. 1 tighten slightly ● Connect cable connector clips to cartridge in accordance with Fig. 2 	<ul style="list-style-type: none"> ● Adjust overhang with stylus adjustment gauge ● Tighten screw 1 ● Loosen cartridge shell again and check that the cartridge is seated parallel in the shell (light gap check) 	<ul style="list-style-type: none"> ● Overhang 16.9 mm ● Tone arm effective length 227.1 ± 1 mm 	<ul style="list-style-type: none"> ● Using adjustment screw 2, Fig. 1, set height of tone of tone arm approx. 1 mm above tone arm rest ● It must be possible to lower stylus to turntable with cueing lever at minimum
2	Electrical on-off switch	<ul style="list-style-type: none"> ● Tighten screw 3, Fig. 3 slightly ● Secure tone arm on rest 	<ul style="list-style-type: none"> ● Rotate lever 5, Fig. 4, until microswitch 6, Fig. 4, switches off 	<ul style="list-style-type: none"> ● Switch-on point: Stylus min. 155 mm from motor axis center ● switch-off point: 7 mm between tone arm tube and stop on tone arm rest 	<ul style="list-style-type: none"> ● When changing tone arm
3	Automatic mechanical shut-off and return (readiness for shut-off)	<ul style="list-style-type: none"> ● Set stylus-shaft center distance of 61 mm 	<ul style="list-style-type: none"> ● Adjust using screw 7, Fig. 4, until shut-off plate 8, Fig. 3, strikes cam 9, Fig. 3 		<ul style="list-style-type: none"> ● Important: Adjust stop-block correctly
4	Arm lift distance		<ul style="list-style-type: none"> ● With screw 10, Fig. 4 		<ul style="list-style-type: none"> ● if tone arm returns before it is lifted
5	Stop block	<ul style="list-style-type: none"> ● Tone arm on rest 	<ul style="list-style-type: none"> ● Stop wire 11 must just touch shut-off lever 12, Fig. 4 		<ul style="list-style-type: none"> ● When the stop button is actuated, the tone arm may not move on its rest and the shut-off lever 12 may not touch friction plate 13, Fig. 3
6	Speed	<ul style="list-style-type: none"> ● Pitch at zero 	<ul style="list-style-type: none"> ● Use adjusting resistance 14 for $33 \frac{1}{3}$ RPM and adjusting resistance 15 for 45 RPM, Fig. 4. Check with stroboscope 		

PLATTENSPIELER S 900 hifi

Gehäuseteile Cabinet Parts Pièces du Boîtier



Wichtig: Bei Ersatzteilbestellungen bitte **unbedingt** die neunstellige **Bestellnummer** angeben!

N. B. When demanding Spare Parts it is **absolutely necessary** to quote the nine digit **Part Number** quoted herein!

Important: Lors d'une commande de pièces de rechange, prière **en tout cas** d'indiquer le numéro d'article à 9 chiffres!

Transport-Hinweise

- Plattenteller abnehmen und getrennt verpacken.
- Tonarm mit Halteklammer sichern.
- Tonarm-Gegengewichte getrennt verpacken.
- Nach Möglichkeit die Originalverpackung verwenden.

Allgemeine Service-Hinweise

- Zur Senkrechtstellung des Chassis bei Reparaturen befinden sich im Gehäuse entsprechende Führungsstege (siehe explodierte Darstellung).

Instructions for Transporting

- Remove turntable and pack separately.
- Secure pick-up arm in holder.
- Remove counterweights from pick-up arm and pack individually.
- Use, if available, original packing.

General Instructions for Servicing

- For putting the chassis into upright position when carrying.

Instructions pour le transport

- Enlever le plateau porte-disque et l'emballer séparément.
- Fixer le bras de pick-up dans son support.
- Contre-poids du bras l'emballer séparément.
- Si possible, utiliser l'emballage original.

Instructions de service générales

- Pour le positionnement en verticale du châssis pour des réparations, le boîtier contient les entretoises de guidage respectives (voir présentation explosée).