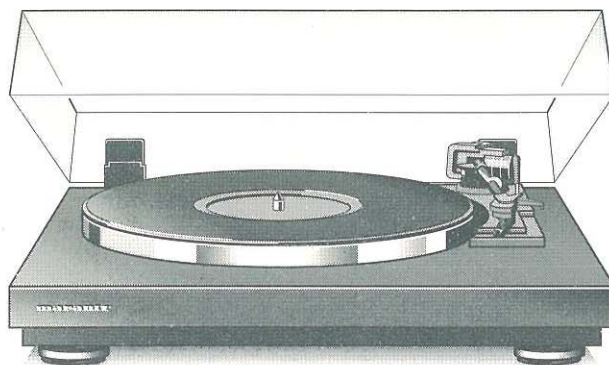


# Service Manual

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74TT42

Turntable



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# marantz®

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model TT42

First issue: 1992

4822 725 50986

PCS 67 530

## MARANTZ DESIGN AND SERVICE

Using superior design and selected high grade components, MARANTZ company has created the ultimate in stereo sound. Only **original MARANTZ parts** can insure that your MARANTZ product will continue to perform to the specifications for which it is famous.

Parts for your MARANTZ equipment are generally available at our National Marantz Subsidiary or Agent.

MARANTZ EUROPE B.V.  
Vestdijk 9  
5600 MD Eindhoven  
The Netherlands  
Phone : +31-40-758290  
Fax : +31-40-758299  
Telex : 35000 PHTC NL  
routing ind.

### ORDERING PARTS

Parts can be ordered either by mail or by telex. In both cases, the correct part number has to be specified. The following information must be supplied to eliminate delays in processing your order:

1. Complete address
2. Complete part numbers and quantities required
3. Description of parts
4. Model number for which the part is required
5. Way of shipment
6. Signature: any order form or telex must be signed, otherwise such part order will be considered as null and void.

### ADDRESSES

**AUSTRIA**  
MARANTZ  
Hietzinger Kai 137a  
1130 Wien  
Austria

**FRANCE**  
MARANTZ FRANCE  
4 Rue Bernard Palissy  
92600 Asnières  
France

**ITALY**  
MARANTZ ITALIANA SPA  
Piazza IV Novembre 3  
20124 Milano  
Italy

**NORWAY**  
MARANTZ  
Postboks 7034  
Assiden  
3007 Drammen  
Norway

**SPAIN**  
MARANTZ SPAIN  
Martinez Villergas 2  
Apartado 2065  
Madrid 28027  
Spain

**BELGIUM**  
MARANTZ EUROPE B.V.  
Div. Benelux  
P.O.Box 218  
Building HCM9  
5600 MD Eindhoven  
The Netherlands

**GERMANY**  
MARANTZ GERMANY GmbH  
Alexanderstrasse 1  
2000 Hamburg  
Germany

**JAPAN**  
MARANTZ JAPAN INC.  
35-1, 7-chome, Sagamiono  
Sagamihara-shi, Kanagawa  
Japan

**PORTUGAL**  
COREL  
Av. da Liberdade  
211-2 Esq.  
1200 Lisboa  
Portugal

**SWEDEN**  
MARANTZ  
Box 1324  
17125 Solna  
Sweden

**CHILE**  
MARANTZ DIVISION OF  
PHILIPS S.A.  
Av. Santa Maria 0760  
Casilla 2687  
Santiago  
Chile

**GREAT BRITAIN**  
MARANTZ HiFi UK Ltd.  
Kingsbridge House  
Padbury Oaks  
575-583 Bath Road  
Longford Middlesex UB7 0EH,  
U.K.

**KUWAIT**  
AL ALAMIAH ELECTRONICS  
P.O.Box 8196  
Salmiah  
22052 Kuwait

**SAUDI ARABIA**  
AL ALAMIAH ELECTRONICS  
P.O.Box 5954  
University Street  
Riyadh 11432  
Saudi Arabia

**SWITZERLAND**  
MARANTZ SWITZERLAND  
Postfach  
8010 Zürich  
Switzerland

**DENMARK**  
MARANTZ  
Horsvinget 5  
2630 Tastrup  
Denmark

**GREECE**  
ADAMCO ELECTR. SA  
P.O.Box 21025  
Hippocratus Str. 188  
Athens 11471  
Greece

**NETHERLANDS**  
MARANTZ EUROPE B.V.  
Div. Benelux  
P.O.Box 218  
Building HCM9  
5600 MD Eindhoven  
The Netherlands

**SOUTH AFRICA**  
MARANTZ S.A.  
10 Bond Street  
Randburg 2194  
P.O. Box 7703  
Johannesburg 2000  
South Africa

**TRADING**  
MARANTZ TRADING  
P.O.Box 218  
Building HCM9  
5600 MD Eindhoven  
The Netherlands

**FINLAND**  
MARANTZ  
Kuortanegatan 1  
00520  
Helsingfors 52  
Finland

All of the above locations are fully equipped to take care of your total service needs or can advise you. Because various countries have differing configuration requirements, it is necessary that you contact the service facility in your particular country. In the event that there is no service location listed for your country, please contact the nearest facility for the necessary assistance.

In case of difficulties, do not hesitate to contact the  
Technical Department at above mentioned address.

## TECHNICAL SPECIFICATIONS

Measured values = typical values

### Belt drive

Electronic-controlled DC motor

**Mains voltage** ..... 230V/50 Hz  
(Mains set) ..... or 115V/60 Hz

**Line frequency** ..... 50/60 Hz

**Power requirement** ..... 1,5 W

**Platter speeds** ..... 33  $\frac{1}{3}$ , 45 U/min.

**Wow and flutter** .....  $\pm 0,10/0,07\%$   
DIN/WRMS

**Platter** ..... 304 mm $\phi$

### Signal-to-noise ration (DIN 45500)

Rumble unweighted signal-to-noise ratio ..... 42 dB

Rumble weighted signal-to-noise ratio ..... 65 dB

**Effective tonearm length** ..... 211 mm

**Offset angle** ..... 26°

**Overhang** ..... 19,5 mm

**Tangential tracking error** ..... 0,15°/cm Rad.

**Cartridge HiFi DIN 45500** ..... Dual DMS-239

|       |    |                      |
|-------|----|----------------------|
| red   | R  | right channel        |
| green | RG | right channel ground |
| blue  | GL | left channel ground  |
| white | L  | left channel         |

*DMS 2515*  
*codem. C1285512*

**Diamond stylus** ..... Dual DN 239

conical ..... 15  $\mu$ M

**Tracking force** ..... 25 mN  
(22,5 - 27,5 mN)

**Frequency range** ..... 20 Hz - 18 kHz

**Output** ..... 4 mV/5 cms<sup>-1</sup>/1 kHz

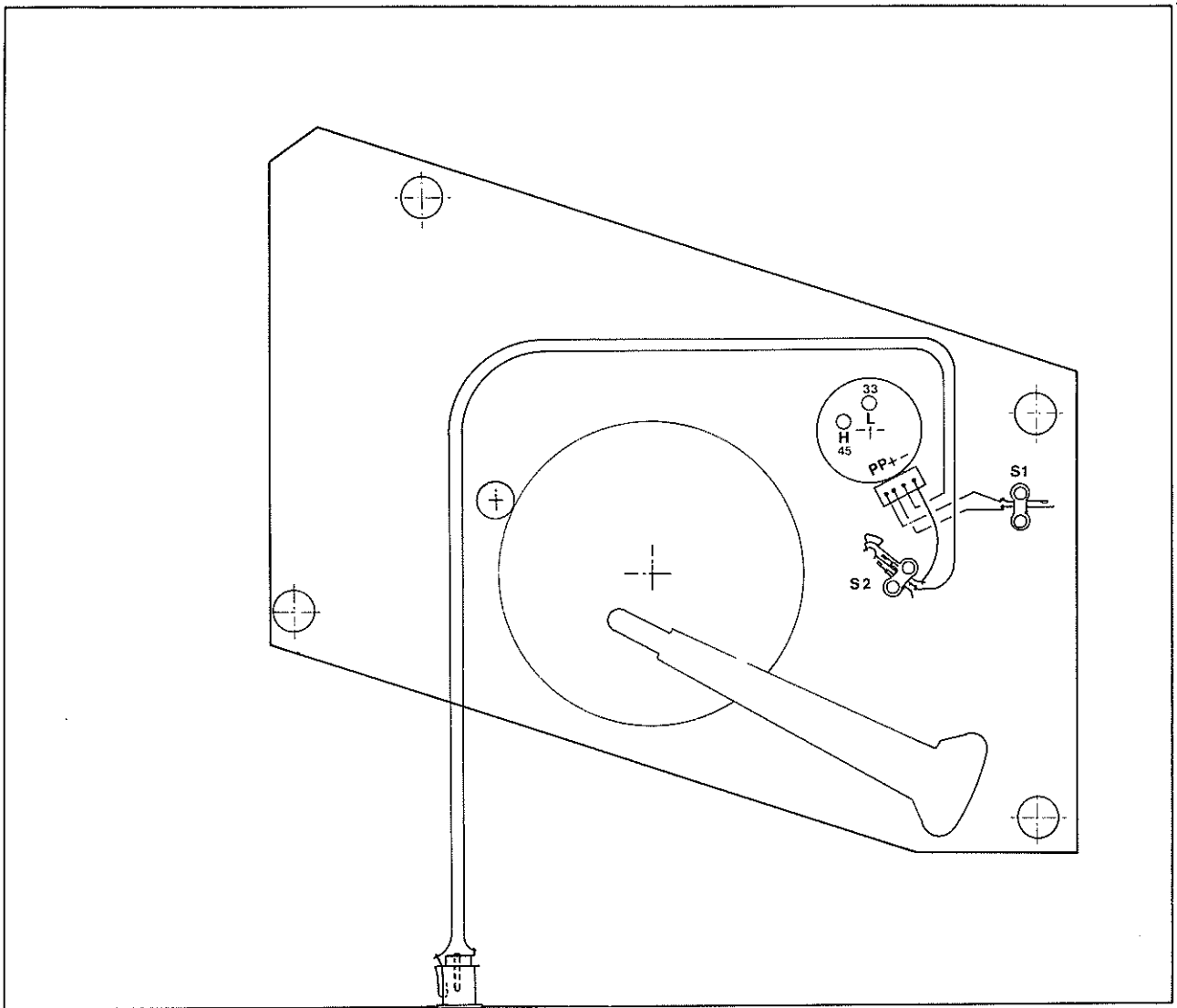
**Compliance** ..... 16  $\mu$ M/mN  
horizontal ..... 18  $\mu$ M/mN  
vertical

**Cartridge weight** ..... 4,5 g

### Total capacitance

Tonearm leads and audio-cables ..... ca. 160 pF

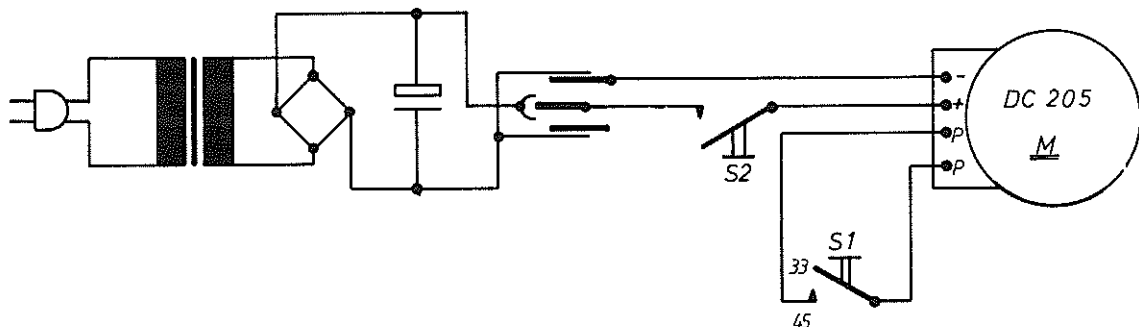
**Dimensions (WxHxD)** ..... 440x119x360



**S 1 = Drehzahlswitcher / Speed selector switch / Commutateur de vitesse / Selettore velocità**  
**S 2 = Motorschalter / Motor switch / Interrupteur de moteur / Interruttore motore**

Abgleich / Alignment / Alignement / Taratura

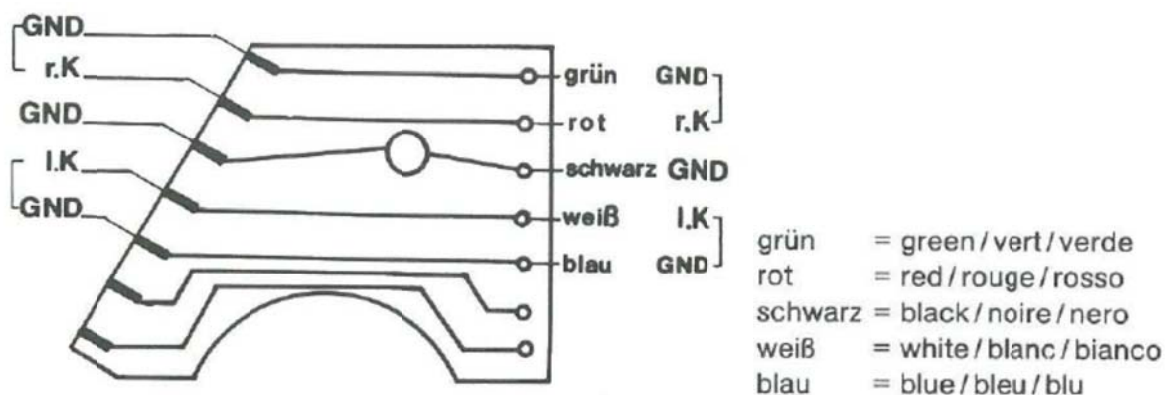
1. n33 1/3 U/min. L
2. n45 U/min. H



Power supply/Netzteil TT42:

Connector Plug/Anschlussstecker: Center/Innen: +12Volt, Ouside/Außen: GND/Masse  
 Current/Leistung: 400mA

## Connecting plate 7-pin



## REPLACEMENT PARTS

| <u>Ref. #</u> | <u>Part Number</u> | <u>Description</u>         |
|---------------|--------------------|----------------------------|
| 01            | C1274304           | 45RPM ADAPTER, PLASTIC     |
| 02            | C1288610           | MAT, RUBBER                |
| 04            | C1270845           | TURNTABLE COMPLETE         |
| 05            | C0074488           | GEAR DISH (INCL. AXIS)     |
| 06            | C1271716           | BELT                       |
| 10            |                    | BRACKET, STEEL             |
| 11            |                    | BRACKET, STEEL             |
| 13            | C1272095           | PCB, RECORD PLAYER         |
| 15            |                    | DISTANCE PIECE             |
| 16a           | C1285416           | EXT. POWER SUPPLY (110V)   |
| 16b           |                    | EXT. POWER SUPPLY (230V)   |
| 17a           | C1272908           | LOW FREQ. CINCH CABLE      |
| 17b           | C1272909           | EARTH LEAD CABLE           |
| 18            | C1285022           | CONNECTOR LOW VOLTAGE      |
| 19            | C1303575           | HINGE (SINGLE)             |
| 20            |                    | CABINET                    |
| 23            | C1289003           | FOOT, PLASTIC              |
| 24            |                    | FOOT, PLASTIC              |
| 30            | C1272074           | ALUMINUM BAR, DEACTIVATION |
| 33            | C1272058           | TRANSPORT WHEEL            |
| 36            |                    | LEVER, STEEL               |
| 40            | C1289007           | DC MOTOR DC209             |
| 47            | C1272848           | MICRO SWITCH               |
| 59            | C1272448           | BASE, STEEL                |
| 60            | C1279755           | PAWL, STEEL                |

| <b><u>Ref. #</u></b> | <b><u>Part Number</u></b> | <b><u>Description</u></b> |
|----------------------|---------------------------|---------------------------|
| 61                   |                           | COUPLING PIN              |
| 62                   | C1272452                  | BRACKET, STEEL            |
| 72                   | C1268817                  | HEADSHELL (BLANK)         |
| 73                   |                           | BRACKET, STEEL            |
| 74                   |                           | HOUSING PART, PLASTIC     |
| 75                   | C1272454                  | LIFT LEVER                |
| 76                   |                           | KNOB                      |
| 79                   |                           | LEVER, STEEL              |
| 80                   | C1272106                  | SPRING SET                |
| 82                   | C1272455                  | GEAR LEVER                |
| 85                   | C1274214                  | POSITIONING BAR           |
| 88                   |                           | BUSHING                   |
| 90                   |                           | CAPSTAN                   |

#### **PACKING ACCESSORIES**

| <b><u>Part Number</u></b> | <b><u>Description</u></b> |
|---------------------------|---------------------------|
| C1288660                  | DUST COVER                |
| C1248541                  | DMS251S CARTRIDGE         |
| C1285636                  | CUSHION                   |
| C1288545                  | CARTON                    |
| C1288890                  | USER MANUAL               |

