

Service manual

Teil 1

PHILIPS



RECORDERS N 4450

00/15/19/43



55-6A

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EINFÜHRUNG

Gerät N4450 ist ein Stereo-Spulen-Tonbandgerät, das sich für Horizontal- und Vertikalbetrieb eignet. Spulen mit einem Durchmesser bis 26,5 cm (10 1/2") können für dieses Gerät benutzt werden. Das Band kann sowohl von links nach rechts als auch von rechts nach links laufen und in beiden Richtungen benutzt werden. Falls erwünscht, schaltet das Gerät den Bandtransport bei Bandende automatisch auf Gegengerichtung (Reversbetrieb).

Hierzu wurde die Kopfträgerplatte mit sechs Magnetköpfen bestückt, und zwar mit zwei Aufnahmeköpfen, zwei Wiedergabeköpfen und zwei Löschköpfen.

Das Gerät hat drei Motoren - einen Hall-Servomotor zum Antrieb der Tonwellen und zwei Gleichstrommotoren zum Umspulen und Antreiben der Spulenteiler. Die Steuerung des Laufwerks geschieht über Tipptasten. Durch Drücken einer Taste wird ein Schalter geschlossen und ein Solenoid (Elektromagnet) erregt, das das Laufwerk in die entsprechende Position schaltet.

Der Verstärker hat eine Ausgangsleistung von 2 x 20 W (innerhalb 1 dB mit < 1 % Klirrfaktor); er kann auch benutzt werden, wenn das Laufwerk nicht eingeschaltet ist.

Mit einer eingebauten Synchronuhr ist es möglich, das Gerät einmal innerhalb von 24 Stunden ein- und auszuschalten. Der Verstärker und der Steuerteil bestehen aus verschiedenen kleinen stockbaren Printplatten (funktionelle Einheiten), die auf einer grossen Printplatte befestigt sind.

Für die technischen Daten siehe die Spezifikation.

Index: CS31885-CS31888, CS31708, CS31889, CS31890, CS31708-CS31716, CS31891-CS31895



CS31885



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