

Service manual

Teil 1

PHILIPS



RECORDERS N 4450

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INHALTSVERZEICHNIS

Einleitung	CS31865
Spezifikation	CS31866
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Ball-Betrieb	CS31874

KURZBESCHREIBUNG

Gerät N 4450 ist ein Stereo-Spulen-Tafelgerät, das sich für Horizontale- und Vertikalbetrieb eignet. Spulen mit einem Durchmesser bis 28,6 cm (11 1/4 Zoll) 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, erhält das Gerät den Kopiersport bei laufender Aufnahme auch auf Gegenrichtung (Reverse-Steuerung). Hierzu wurde die Kopfführerplatte mit sechs Magnethöpfen beschriftet, und zwar mit zwei Aufnahmeköpfen, zwei Wiedergabeköpfen und zwei Löschköpfen. Das Gerät hat drei Motoren – einen Hall-Servomotor zum Antrieb der Tonrollen und zwei Gleichstrommotoren zum Umspulen und Antreiben der Spulenteiler. Die Steuerung des Laufwerks geschieht über Tasten. Durch Drücken einer Taste wird die Schalter geschaltet und ein Solenoid (Elektromagnet) vorgetrieben, 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 Spindelbremse ist es möglich, das Gerät innerhalb von 24 Stunden ein- und auszuschalten. Der Verstärker und der Steuerwerk bestehen aus verschiedenen kleinen strukturierten Platinen (funktionelle Einheiten), die auf einer grossen Platinenplatte befestigt sind. Für die technischen Daten siehe die Spezifikation.

Index: CS31865-CS31868, CS31705, CS31869, CS31896, CS31708-CS31715, CS31897-CS31898

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