

SERVICE & MAINTENANCE INSTRUCTIONS

IMPORTANT

Any Service or Technical enquiry must quote Model Name or Number and Serial No. which is located underneath Turntable Mat.

COLLARO CONQUEST

HIGH FIDELITY RECORD CHANGER

INSTRUCTIONS FOR DISMANTLING, RE-ASSEMBLING AND SERVICING 4-SPEED MOTOR UNIT

(Service and Maintenance Instructions for other parts of Changer Mechanism on other side)

REMOVAL

I. TURNTABLE

Remove wire circlip from centre of Turntable. Turntable should then be lifted right off spindle with a small to and fro rotary movement.

Important Note

Take great care to avoid depositing grease or oil on the Motor Pulley the Idler Wheel (3199), or the inside rim of the Turntable, as even a minute trace will cause the drive to slip. As a precaution against this, it is advisable to wipe these parts with a clean petrol-moistened rag immediately prior to re-assembly. Also avoid depositing grease or oil on the sliding member in the top of the record spindle, as this may prevent it falling freely under its own weight, causing records to drop more than one at a time.

II. IDLER WHEEL

1. Remove Screw (126) and Fibre Washer (2514).
2. Withdraw Idler Wheel (3199) upwards from its spindle.

Important Notes

1. Most machines have one or two Fibre Washers (2473) fitted under the Idler Wheel (3199), but some have no washers in this position. When fitted, these Washers generally adhere to the boss of the Idler Wheel when it is withdrawn. Be sure to replace Washers exactly as found when dismantling. Do not confuse Washer (2514)—small hole, with Washer (2473)—large hole.
2. Do not over tighten Screw (126) as this may distort Fibre Washer (2514), causing the Idler Wheel to be stiff on its bearing.

III. MOTOR UNIT (as a whole)

1. Disconnect mains lead supplying motor.
2. Remove Turntable. (See Section I).
3. Remove Switch Cover 158 and slide the two spring contacts off the lugs which locate them in the Switch base, taking care not to distort the contacts.
4. Uncouple the speed control link (3664) by removing the Circlip.
5. Remove Idler Wheel (See Section II).
6. Detach Circlip from post in Idler Slide Arm (4403), lift Idler Withdrawal Link (4542) from post and swing clear.
7. Remove three Bolts which secure the motor frame to the base plate. NOTE—A shakeproof washer is used under the head of the Bolt nearest the turntable centre, and must be replaced in that position.

REPLACEMENT

1. Check that Ball Thrust Cage and Washers are free from foreign matter and lubricated with a small quantity of light grease. Ball Race Cage must be replaced open side downwards with steel thrust washer immediately below and another immediately above it. Resilient washers of neoprene are fitted below and above the steel thrust washers, the upper neoprene washer having a larger centre hole and locating in the recessed end of the turntable boss to which it should be fitted before replacing Turntable.
2. Check that the Fan (4429) and Motor Pulley are correctly located on the Motor Spindle in accordance with instructions given in SECTIONS IV and V.
3. Check that the Idler Wheel (3199) also the rubber wheel which drives the change mechanism are in their retracted positions clear of the turntable rim.
4. Replace Turntable on spigot, fit the retaining wire circlip and check that Turntable spins quite freely.

1. Reverse procedure given opposite, taking care that all Washers are correctly in place.
2. Check that Idler Wheel spins freely and runs true within the limits specified in the tabulated information given in SECTION XI, (11)—(17) inclusive.

Reverse procedure given opposite, taking all precautions given in Sections II and I when replacing Idler Wheel and Turntable respectively. Check also that the Fan and Motor Pulley are correctly located on the Motor Spindle, in accordance with instructions given in Sections IV and V.