

RCA VICTOR

VICTROLA

Model 63E, 63EM

Chassis No. RS-127 Mfr. No. 274

Irregular Turntable Speed:

- (1) Oil or grease on rubber tire of turntable drive wheel. Remove turntable and clean drive wheel tire, and inside edge of turntable with naphtha or carbon-tetrachloride.
- (2) Insufficient tension in drive wheel tension spring.
- (3) Lack of lubrication.

Replacement of Sapphire

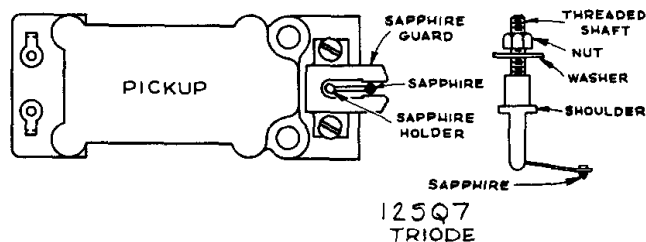
CAUTION: Never bend the sapphire support wire.

The nut on the sapphire holder assembly may be locked by a light cement. Extreme care should be used when loosening the nut so that the twisting motion does not break the crystal.

Remove the two screws holding the sapphire guard in place and remove guard. Remove the small nut and washer on the threaded shaft of the sapphire holder and gently push the shaft through the hole in the armature shaft until the sapphire holder assembly comes free.

Use of a drop or two of acetone will facilitate the removal of the nut and shaft if cement has been used. Do not use force as the crystal may be broken.

Insert threaded shaft of replacement sapphire holder through armature shaft and replace the washer and nut. Make sure that the sapphire is in the correct position. Take hold at the lower end of the shaft with a pair of pliers while tightening the nut, being very careful so as not to strip the threads or break the crystal. Replace the sapphire guard, positioning it by means of the oversize screw slots. Make certain that the sapphire and its supporting wire are centered in the guard. Tighten the guard screws. Before using, check to see that the sapphire projects far enough (approx. .020") beyond the guard so that the guard will not strike the record. If necessary, bend the guard a little.



Lubrication

Motor

The bearings of the motors furnished in these instruments are lubricated at the factory and should require no further lubrication for a period of at least one year. When lubrication is required, apply a few drops of any good grade of S.A.E. #10 oil to the bearing felts.

Turntable Spindle

When lubrication is required, apply one or two drops of Gargoyle 600W to the bearing.

Drive Wheel

Apply one or two drops of any good grade of S.A.E. #10 oil to the bearing felt.

CAUTION: Exercise extreme care to prevent getting any oil on the rubber tire or on the motor shaft. Oil on these parts will cause slippage with resultant irregular turntable speed.

Service Hints

To Remove Turntable:

Remove "C" washer from turntable spindle and lift turntable straight up.

Motor Board Disassembly

- Remove the "C" washer on turntable spindle.
- Lift turntable straight up.
- Disconnect motor plug from power plug.
- Remove two screws exposed on top of cabinet.

To replace Drive Idler

- Remove "C" washer at bottom of drive idler wheel shaft.
- Lift idler drive wheel up from motor mounting board.

To remove turntable spindle disengage the spring clip from the bottom of the turntable spindle and lift up on the spindle.

To remove the motor from the motor mounting board, remove the three nuts from the top of the motor mounting board.

To remove the switch, unscrew the two screws holding the switch assembly to the pickup assembly.

Service Hints

- Failure to start when pickup is lifted.
 - Dirty switch contacts.
 - Weak or broken spring on pickup support arm.
 - Motor connector plug broken or dirty.

To Remove Pick-up Arm

- Remove the switch.
- Remove the spring clips from the rear pivot of the support arm.
- Disengage the tone arm lift spring from the support arm.
- Remove the spring clips from the front pivot of the support arm.
- Remove the "C" washer from the pick-up pivot arm.
- Pick-up is free to be removed when the two leads from the crystal are removed.

