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SERVICE HINTS

NOTE: This is the first in a series of bulletins just for you. It will be published every week or two and contains items of interest to everyone connected with servicing and operating phonographs or games. The "Hints" contain those troubles and their remedies we find occurring most often. It will be wise to keep a file of these. If you have any troubles you cannot solve, let us know. We may have a solution for them. Also if you have remedied some difficulty which would be a help to other operators, drop us a card and we will publish it.

PHONOGRAPHS

Seeburg - Wurlitzer

Having trouble with a slow record start?

Occasionally the music sounds as though the turn table is rotating too slowly. This is invariably caused by a tight turntable clutch spring. The clutch is too rigid and when it first engages the turntable drive gear it rotates the turntable ahead of the point of engagement. While it coasts, the music starts playing and it sounds as though the turntable is running at slow speed. The clutch then catches up with the turntable and it continues to be normal. This can be remedied by reducing the tension of the clutch spring. A small screw driver should be used to push the embedded end of the spring back, unwinding it and causing it to have less tension. If the clutch spring is too loose it will slip excessively from the start and have the same sound effect. Usually, cleaning the clutch with a little carbon-tetrachloride will remove enough of the sludge and grease to eliminate this trouble. Also check for badly worn surfaces on both the turntable and record trays. These may be reflaked at a very small cost.

Been wearing records out faster than usual?

After adjusting and swearing about the weight of the pickup, try repacking it. The rubbers in an old pickup

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are usually dry and hard and will keep the stylus (which holds the needles) from vibrating freely and will tend to more or less cut or scrape out the record grooves instead of following them freely. Also the stylus may be a little off center causing distortion. Unless you have had experience we recommend that you send them in for an exchange. A very nominal charge is made for repairing or replacement. We have extra pick-ups already repacked !

Have a hum in your Amplifier?

Remove the pickup plug from the amplifier while a record is playing. If the hum is still there, change the filter condensers. If the hum disappears it is being picked up in the grid circuit and is probably coming from a remote volume control which has been strung without using shielded wire. Use shielded wire. Use shielded wire and connect the shield to shield side of the pickup terminals.

GAMES

Keeney Bonus Bells

Have they been playing too much or when they shouldn't?

Check contact wipers on winning row disk. If they wear down half way, the nut on the wiper contact housing will rub on the ring below and will give winner on that row when the lights are not lit. Solution - Change or lengthen adjustment on wiper contacts.

Are you forgetting this?

An occasional lubrication of Sequence Cams (7 of them) will prevent unnecessary wear which will cause eventual grooving necessitating replacement. Most operators overlook this entirely. After a time, if not lubricated, a groove will wear and throw the entire adjustment out.