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## **Victory Glass 350 Cartridge**

### **Installation Notes**

Thank you for purchasing this Victory Glass 350 cartridge for your classic Seeburg jukebox. This cartridge is designed for all Seeburg mono jukeboxes from model M100B through 101/161/201.

This cartridge was designed out of necessity for two reasons. First, the previously-available Pickering 345-03D replacement cartridge has been discontinued for over 20 years. The second reason being the fact that the other option to make your mono Seeburg compatible with stereo records, the “cantilever needles”, are no longer available with acceptable quality.

To install the new cartridge, begin by removing the locking screw from the old cartridge and lift it upwards and out of the socket. Then place the new cartridge into the socket, pushing gently to ensure the pins are lined up properly with the socket. Once seated, use the **new** included 4-40 screw to secure the cartridge in place.

The high quality yellow “wedge” needles used on the 350 cartridge have a tracking force of approximately 2 grams, which is usually half or less of what the old cartridges required. Therefore, you may find it necessary to adjust the tone arm pressure, which is accomplished by loosening the two elongated brackets on each side of the tone arm and relieving pressure off the springs. Using a gram gauge (such as the PK Neuses, VG part number 49-3754) is ideal for measuring your tracking pressure. Otherwise, just be sure to observe to make sure the yellow plastic of the needle is not contacting or dragging on the surface of the record. If you are not able to get the tracking pressure low enough, you may need a set of low pressure springs, VG part number 49-1953.

*Continued on Page 2...*

One problem that can come up with reduced tracking pressure is the mechanism may not cancel at the end of the record. Instead, it may just “skip” in the lead-out groove, or it may “bounce back” into the final part of the song. This occurs when your mechanism’s cut-off switch bias spring is missing or needs adjustment. The bias spring serves as a “helper” for the tone arm to overcome the mechanical resistance of the cut-off microswitch. You can adjust or replace the bias spring, or for an easier solution that will never require adjustment again, consider one of our Victory Glass electronic trip switches. (VG# 49-7355 or VG# 49-7354)

If you are having problems with “skate in” (where the record begins playing several grooves past the beginning, even though it is properly adjusted to land in the lead-in groove section), or if records skip frequently for no visible reason, you may need to rebalance the tone arm using one of our Victory Glass tone arm counterweights, VG# 49-7707.

Finally, you will also need to check the clearance of the cartridge to the needle brushes, as the 350 cartridge is slightly wider than the original redhead and blackhead cartridges. If the brushes are too close to the cartridge, it cannot pass and the record will begin to skip. For the brush on the left side, you can bend the metal arms as much as you need to get sufficient clearance. **(Note: Use caution when bending the arms as to not break the plastic on your stripper plate, especially the stripper plate is original, as the plastic becomes very brittle over time.)**

However, on the right side, you have limited ability to bend the arm since it may be tight up against the mechanism cover. Therefore, you will need to use a scissors or wire cutters to trim some length off of the brush bristles. (See Figure 1 below, showing too little clearance on the right side needle brush.)

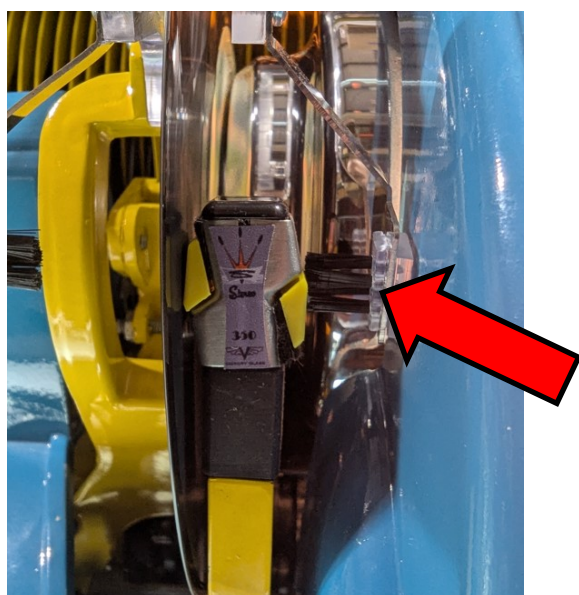


Figure 1