



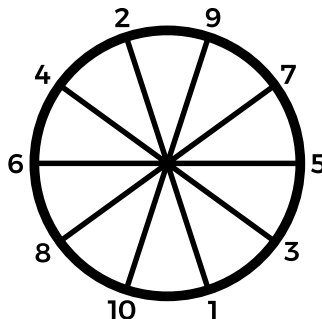
## FINE TUNING YOUR PEARL PHILHARMONIC SNARE DRUM

### CUSTOM FEATURES:

Triad Silent Strainer System, Three Snare Types, Custom Cable Snares Including Graduated and Even Tension, Three Individual Captive Thumbscrew Tension Adjusters, Quick Release Snare Mounting System (Drum Key Only, No Tools Required), Snare Bridge, Vintage Style Snare Bed, Vintage Style Tube Lugs.

### FIRST TIME SET UP/FINE TUNING

- A. HEADS AND TUNING:** All Philharmonic Snare Drums feature U.S.A. REMO Drumheads. It is suggested that you initially tune your batter head in the range of Bb-C# for 15" and 16" diameter Field Drums, E-G for a 14x12 field drum, F#-B for a 14x8.0 drum, G-Bb for a 14x6.5, Ab-B for a 14x5.0 drum, A-C for a 14x4 drum, B-D# for a 13x4 drum, and for a 13x2.5 pancake C-F. Bottom head pitch should sound a harmonic 5th above the batter head on all drums for optimal snare response and overall sympathetic resonance. It is also recommended that you check the evenness of your head tension by measuring at each tension rod first, then listen and clear the head by ear. Do not bring your drum up to its highest possible range immediately. Allow your heads to stretch and settle slowly and always tune in quarter turns going across the drum as shown in the Tuning Diagram below.
- B. STRAINER AND BUTT:** The newly redesigned SR505 Triad Silent Strainer includes new *Captive Adjustment Touchpoints* and mechanical improvements to the three independently adjustable snare assemblies. New full wrap-around guitar wire snares for soft playing and a new Quick Release snare mounting system which facilitates quick bottom head replacement.
- C. BUTT:** The snare butt offers a master tension adjustment to tighten or loosen all snares simultaneously. **WARNING!!! NEVER UNSCREW OR TAMPER WITH THE SOCKET HEAD SCREWS WHICH CLAMP CABLES IN PLACE, THESE ARE PERMANENT!!!**
- D. REMOVING INDIVIDUAL SNARE SETS:** If you wish to change a set of snares and create your own combinations from original Pearl parts, simply unscrew the thumb tension knob on the strainer side completely, then unscrew the corresponding drum key screw on the butt side.
- E. SNARE TYPES AND FEATURES:** Your Pearl Philharmonic Snare System has several unique features. The SYNTHETIC GUT cables used on certain Field Drum models have a dark, dry response at medium and louder dynamics. The COATED CABLE is clamped in permanently with a graduated tension system. This gives you the maximum dynamic range possible from this set of cables which are intended for the loudest dynamic ranges while overlapping the dynamic range to the next set. The COATED CABLE is designed to respond perfectly and effectively from *ff* to *mf* respectively. The UNCOATED STAINLESS cable is also clamped in permanently and these snares provide brightness and articulation in the *mf-mp* range, overlapping the dynamic range of the coated cables seamlessly as volume decreases. The WRAP AROUND GUITAR STRING snares are placed in the middle to assure perfect contact with the snare head enabling further dynamic overlap from the stainless cable and a superior soft dynamic snare response. They are intended for the *mp* to *ppp* dynamic range only, do not over-tighten.
- F. SNARE BRIDGE:** The snare bridge, used with metal hoop drums, is designed to assist the way all snares lay in the snare bed providing exceptional contact with the snare head. This feature ensures complete contact of your cables, particularly at each end of the head. The vintage style snare bed is specifically designed to be narrow and deep so as to facilitate vertical tension on each end.
- G. FINE TUNING THE SNARES:** Turn the strainer to the ON position. Make sure all three sets of snares are completely disengaged from the bottom head. Begin with your COATED CABLE by turning the thumb screw clockwise until they begin to engage. As they come into range, strike the drum at a *ff* down to *mf* volume so that they are filling that dynamic range only. Next, repeat this procedure with your UNCOATED STAINLESS turning the thumb knob clockwise until they fill the *mf* to *mp* dynamic range. Next, repeat this procedure with your GUITAR STRING snares tapping the drum about an inch from the edge turning the thumb screw clockwise until they fill the *mp* to *ppp* dynamic range. Leave your strainer in the ON position when storing your drum. This will facilitate the conformation of the cables to the snare bed and snare bridge which will eventually create a "custom snare fit" to the drum over time, improving their sound and response. Always check for snares that are crossed and correct as necessary.



Tuning Diagram