

## MAINTENANCE AND ADJUSTMENT PROCEDURES FOR CARVIN BASS GUITARS

### STRINGS

Your Carvin bass is equipped with a high quality set of GHS flat wound, light gauge bass strings. These strings list for \$24.00 at a music store. You can buy these from us at \$13.50 per set. If you change to considerably lighter or heavier strings you might have to adjust the truss rod in the neck to maintain good string action.

For long string life keep them clean with a soft dry cloth.

### ADJUSTING NECK TRUSS ROD

This guitar has been adjusted for best possible string action by an experienced guitar technician. The truss rod in the neck has been adjusted and is set for .010" to .020" forward bow which is the ideal setting for the lowest possible string action. The neck should be checked for bowing after approximately 3 months, in order to assure best possible string action. You can check the neck yourself for the proper amount of bow. You will need a perfectly straight precision scale or straight-edge about 18"—24" long and a feeler gauge set. Tune the guitar accurately to the proper pitch and place the straight-edge edgewise on the center of the fingerboard so that it is resting on the first and last fret. Now take the feeler gauge set and check for clearance at the 7th fret. If there is less than .010" clearance, the truss rod nut must be loosened. If more than .020" clearance, the truss rod nut must be tightened. If adjustments are necessary, turn the nut about one-tenth of a turn in the proper direction and recheck with the straight-edge and feeler gauge. Adjust the nut again if necessary.

You have probably heard musicians and repair men say that a neck should be perfectly straight; however, if you adjust your neck so that it is perfectly straight your string action will have to be raised considerably because of buzzing frets.

### ADJUSTING BRIDGE FOR STRING ACTION

Each Carvin guitar is set for best possible playing action for the average guitarist. Guitarist with a light playing style can possible lower the action slightly. All Guitarist with a hard playing style will probably have to raise the action slightly. To raise the bridge turn the adjusting nuts counter clockwise.

### ADJUSTING BRIDGE FOR INTONATION

Every Carvin guitar is checked and adjusted for string height and intonation. If you change to a different gauge or brand of strings, it is possible that you may have to reset the string saddles slightly. If you don't have a real good ear or know the proper method for checking string intonation, then let a competent guitar repair shop or the Carvin factory set it for you.

### ADJUSTING PICKUP HEIGHT

Each pickup has 3 pickup height adjusting screws. On 6-string guitars the elevated pickguard must be removed to adjust the treble side of the pickup. Turn the screws clockwise to raise the pickup and counterclockwise to lower the pickup. For maximum pickup power output keep the pickups adjusted at 1/16" to 1/8" away from the strings.

### ADJUSTING INDIVIDUAL PICKUP POLES

We set each magnetic screw head in both pickups for a balanced sound. If you wish to raise or lower the output of a certain string, then lower or raise both screw heads until you get the desired power output of that string. Press strings down on the 22nd fret and make sure that you have at least 1/16" clearance between the strings and the pickup screw heads, otherwise you may get static as a result. Keep the pickup pole pieces clean as any metallic particles on them can also cause static. Clean the pickup poles periodically with a clean damp cloth.

### ADJUSTING SCHALLER MACHINE HEADS

At final inspection we check the tension screw adjustment on each machine head and set it for best performance. Generally, you shouldn't have to make any adjustments on the machine heads. After a few months when the machine heads get broken in you might want to tighten the tension screws slightly. Usually about an 1/8 to 1/2 turn each.

If the machine heads develop a flat spot or rough feel then try adjusting the tension screw both ways until you eliminate the roughness.

### TEN DAY TRIAL PERIOD

If you are unsatisfied with the guitar you may return it for a refund. Repack the guitar carefully in the case and original carton. Include your name and address and the statement "Returned for Refund". Ship the guitar prepaid back to us and your money will be refunded immediately upon receipt of the guitar.

There will be a service charge for guitars returned with scratches or other damages caused by misuse.