



# Caribbean Controls

## Bassmon Manual String Bass

FOR USE WITH: Any Hammond Tonewheel Console.

### KIT CONTENTS

1 - BASSMON CHASSIS	7 - WIRE NUTS (1 BLUE, 2 GREY, 4 ORANGE)
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### INTRODUCTION

This kit contains the Bassmon String Bass Unit. When properly installed to a Hammond tonewheel console, it provides 16' & 8' pedal and string bass tones on the lower manual, selectable via the standard preset keys.

**CAUTION:** Due to the presence of electrical potential, only an experienced technician should perform installation procedures or adjustments involving 110vac or 220vac "mains" power.

### INSTALLATION

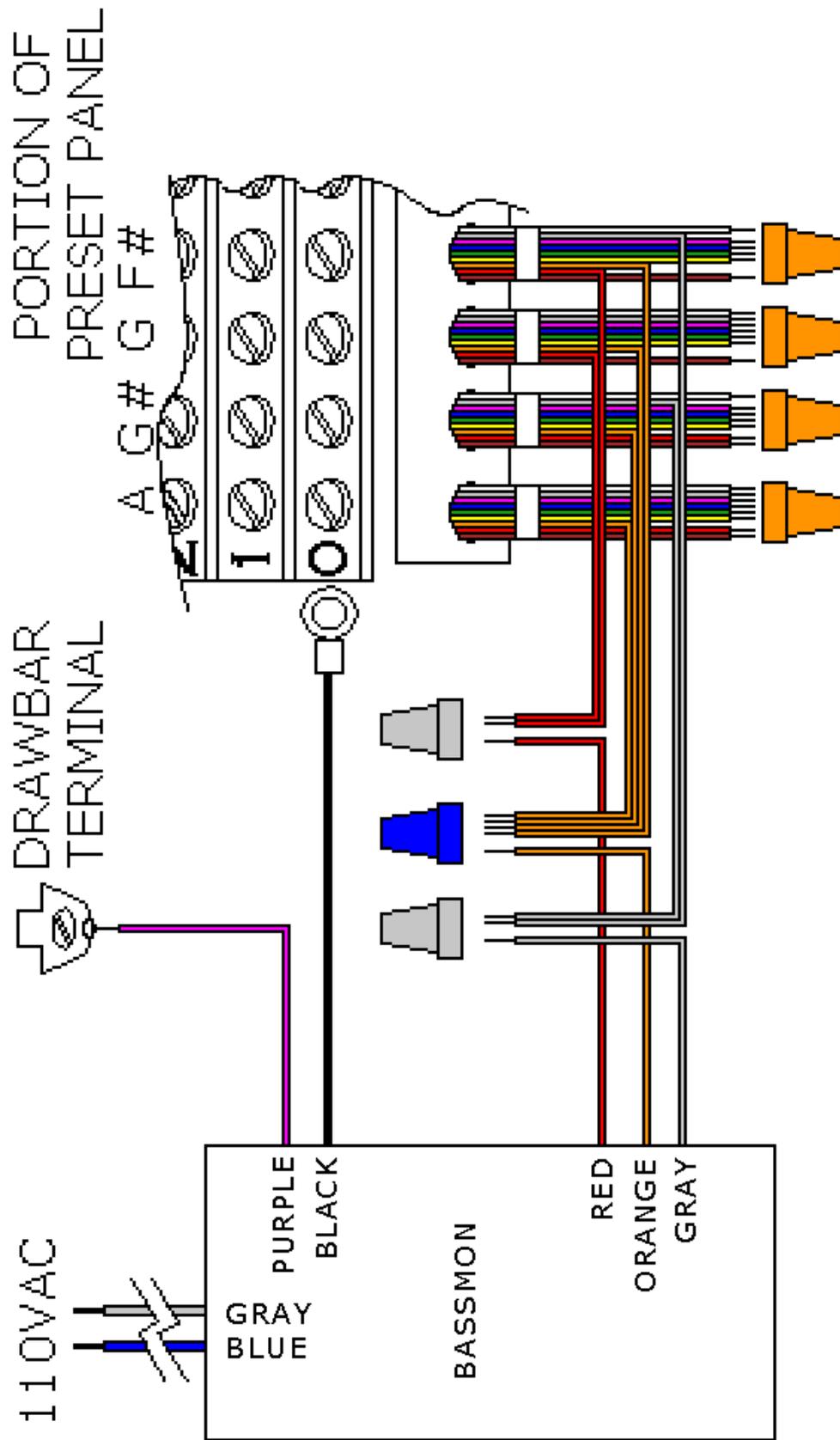
**CAUTION:** DISCONNECT ALL EQUIPMENT FROM POWER BEFORE PROCEEDING.

1. Remove the organ back and install the Bassmon chassis directly behind the preset panel.
2. Loosen the screws used to secure the preset wires for the Lower Manual presets F#, G, G#, and A. (These are marked by a label above the preset panel, and are the 4 columns on the left side of the preset panel)
3. Note that for each preset, there are 9 wires bundled together that pass through a hole at the bottom of the preset panel. Make sure that as you make the following connections, you take note that the wire you select leads to the correct hole.

**IMPORTANT:** When using wire nuts be sure to hold the wire ends parallel and together but do not twist them. Insert these ends into the opening of the nut, pushing firmly and turning the nut in a clockwise direction until the connection is securely made.

4. Connect the orange wire from the Bassmon to the orange wire from each of the 4 presets. There should be 5 wires to join with the BLUE wire nut.
5. Connect the red wire from the Bassmon to the red wires of the F# and G presets ONLY. There should be 3 wires to join with a GRAY wire nut.
6. Connect the grey wire from the Bassmon to the grey wires of the F# and G# presets ONLY. There should be 3 wires to join with a GRAY wire nut.
7. Take the Black wire from the Bassmon and connect it to the "0" bar of the preset panel.

8. Take the remaining unused wires from each preset and bind them together with a wire nut. (One ORANGE wire nut for each preset for a total of four)
9. Disconnect the original wire from a drawbar of your choice (Usually the 8' Pedal Drawbar or the lower manual B preset 1' drawbar)
10. Clip the end of the wire off and place a wire nut on it so it cannot accidentally short to anything in the organ.
11. Using a soldering iron, attach the purple wire from the Bassmon to the drawbar selected in step 7. This drawbar is now the volume control for the Bassmon.
12. Using a soldering iron, attach the blue and grey leads from the Bassmon to the same color terminals on the preamp. These will be found under a small cover toward the left end of the preamp (except A100 where it is to the right). The blue and gray wires already leading to it can identify it.
13. Place the appropriate supplied label on each of the preset keys (F# = "16 & 8 P", G = "16 & 8", G# = "16 P", and A = "16")



CONNECTION DIAGRAM

## FINAL CHECK AND ADJUSTMENT

- 🌴 Check all connections for proper hookup.
- 🌴 Reinstall all covers removed during the installation.
- 🌴 Turn on the organ in the normal manner.
- 🌴 Now, press the A preset on the lower manual and pull the Bassmon drawbar out to "8".
- 🌴 Play and hold Low C on the manual, a match pack can be used to wedge the key down.
- 🌴 Adjust the "DB Level" trim pot to taste. It should be balanced with the regular organ tones, but not so loud as to cause distortion or undue vibrations in the tone cabinet.
- 🌴 Release the Low C and play in a staccato fashion
- 🌴 You should be hearing a 16' tone that goes all the way to low C on the keyboard.
- 🌴 Press the G# preset - You should now hear a 16' string bass tone & pluck.
- 🌴 You will now adjust that "pluck" tone to your liking by adjusting the "pluck" trim pot on the Bassmon.
- 🌴 Press the G preset - You should now hear a slightly bolder tone, of 8' and 16' tones mixed together.
- 🌴 You will now hold Low C again, and adjust the "Octave" trim pot to produce the desired mixture of 8' tone.
- 🌴 Press the F# preset - You should now hear a 16' string bass tone with an added 8' tone & pluck.

IMPORTANT: The Bassmon is a monophonic synth, which means it can only play one note at a time. Further it is optimized for BASS, so it should only be played in the bottom 3 octaves of the keyboard.

Attempting to play chords, other harmonies, or notes in the upper 2 octaves of the manual can yield unpredictable (and unmusical) results.