BESPOKE POWER

BP-C9WY-6973 Installation Guide

Congratulations on your purchase of your new state-of-the-art tail light sequencer. The circuit board is designed to fit directly into your existing housing and the connections are plug-n-play.

What's in the Box:

1. 1 – BP-C9WY-6973 with color coded connectors

Tools Required

1. Small bladed screwdriver (for any adjustments)
2. Needle nose pliers

Installation

1. Location the existing sequencer and housing which is usually on the left side of the trunk. Note: the housing will be reused unless it's damaged beyond serviceability.
2. Disconnect the red and black connectors from the sequencer and remove the unit.
3. Carefully split the sequencer housing to remove the old circuit board. This is a good time to clean the housing with soap and water also remove any residual adhesive. Allow the housing to dry before continuing.
4. Install the BP-C9WY-6973 into the bottom housing making sure that the circuit board fits snugly.
5. Connect the black and red connectors. This is the time to make any adjustments from the factory settings before closing up the housing. Refer to the adjustment section if you wish to make changes from the factory settings. Also note that the circuit board must be visible to use the diagnostic LEDs.
6. Once you are satisfied with the operation and adjustments, install the top case of the housing. Generally, the case snaps together if the plastic is in good shape otherwise some tape or a small amount of adhesive may be required to hold the case securely together.

Adjustments

There are 3 adjustments on the BP-C9WY-6973 and 1 adjustment on the included flasher. The user may independently adjust the left and right sequence rate of the bulbs. The user may selected between sequenced or instant on for the brake lights.

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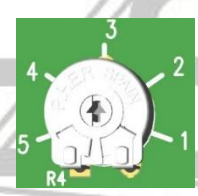
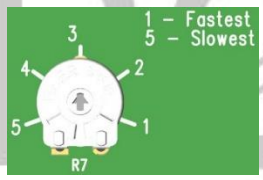
Sequence Rate Adjustment

The sequence rate is set to 300ms at the factory but has an adjustment range of 150ms to 720ms. LED bulb and incandescent bulbs have different characteristics (see BPWP-001 for a detailed explanation) and will have different settings.

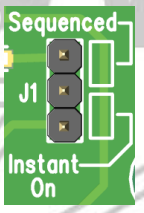
1. Turn the ignition to “on” and activate the right turn signal.
2. Using a small bladed screwdriver, turn R7 or R4 CW for a faster rate or CCW for a slower rate. Do not force the control past the stops or the component can be damaged.
    a. R7 controls the right-side lights
    b. R4 controls the left-side lights
3. There are markings (1-5) on the board to guide you on setting the sequence rates. The left and right sides are set independently.





Stop Light Activation

The stop light can come on instantly and stay on (default) or sequenced on and stay on. To change this In Version 1, move the jumper on J1 using needle nose pliers to the desired position. To change this in Version 2, move the switch to the “S” position.



Version 1

Version 2

Sequence Rate & Flash Rate Adjustment

The sequence rate is set by the sequencer however the flash rate is set by the flasher. The sequencer is fully compatible with both LEDs and incandescent bulbs but the flasher may not be. To avoid flasher problems, we recommend using one of our fully adjustable electronic flashers such as the BSP-FLSH1 which work with both LEDs and incandescent bulbs. It is not required to use this flasher as the BP-C9WY-6973 is compatible with many flashers however you may not get optimal settings. The compatibility troubleshooting guide will help sort out compatibility issues with different flashers. The flash rate of the included flasher is factory set to the slowest flash rate. We recommend that the user adjust the sequence rate first before changing the overall flash rate. Using a small bladed screwdriver turn the flasher control CW to increase the flash rate.