

Before you start, **read these instructions first** to understand what you need to do to test this product.

REQUIRED TOOLS

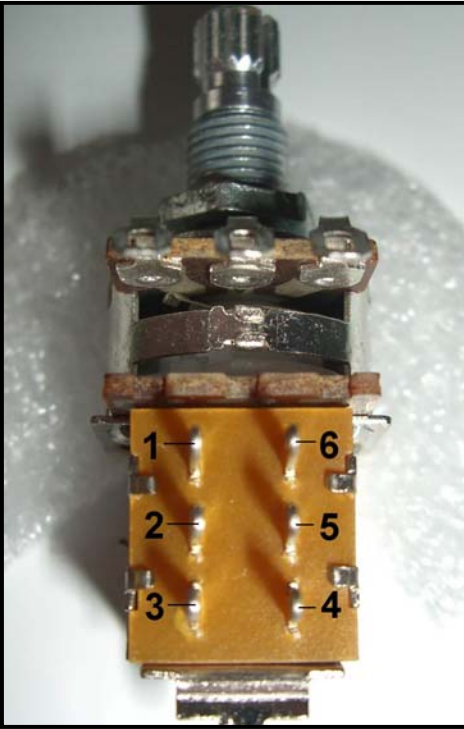
You will need the following tools (*not included with purchase*) to test this product.

- Wire cutters
- Wire strippers
- Small straight slot screwdriver
- Ohmmeter with mini hook clips to measure continuity

This document contains the following two sections.

- A. Switch Testing Prior To Assembly**
- B. Switch Testing Prior To Installation**

A. SWITCH TESTING PRIOR TO ASSEMBLY



Before you assemble your GIB-KIT upgrade product, we recommend that you test the switches that are attached to the push-pull split shaft controls that came with your kit and make sure that they function. We don't check every switch because it is neither practical nor cost effective. If you have received a defective switch we are happy to replace it. It is advisable to test the switches because **we do not warranty switches once they have been soldered or installed.**

Switch Testing:

Perform this test before you start assembling the GIB-KIT product.

Before you start, use an ohmmeter to test the switches that were included with your **Pickup Tone Multiplier™** Kit. Check for correct continuity/open circuit result when testing switches.

Note: open-circuit = no electrical connection,
close-circuit = electrical continuity (typically 0.7 ohms or less).

These are DPDT (ON-ON) switches:

Terminals "1" and "2" are close-circuit when shaft is extended (pulled out). Terminals are open-circuit when shaft is in.
Terminals "6" and "5" are close-circuit when shaft is extended (pulled out). Terminals are open-circuit when shaft is in.
Terminals "2" and "3" are close-circuit when shaft is in. Terminals are open-circuit when shaft is extended (pulled out).
Terminals "5" and "4" are close-circuit when shaft is in. Terminals are open-circuit when shaft is extended (pulled out).

If you obtained the correct results, return to the **Assembly Instructions for GIB-KIT Upgrade** and continue with the assembly procedure.

If you need to return a defective item, refer to the FAQ section of our website under "*What warranty do you provide?*" and follow the published procedure to return a product for warranty replacement.

B. SWITCH TESTING PRIOR TO INSTALLATION

This is a validation test you should make prior to installing the GIB-ASY product. There is nothing worse than taking the time to install a product and finding out AFTER the installation that it does not work as expected. This testing ensures that the assembled product behaves the way it is supposed to before you install it.

Green Terminal Strip Detail

To attach wires to the **green** terminal strip (J1) that is on the T2-Board, use a small screwdriver or writing pen tip and press down on the square *release button* located directly above the wire hole. Hold the button down and insert the stripped wire completely into the wire connection hole and then release the button. Lightly tug on the wire to confirm it is firmly gripped by the Terminal Strip. A legend is printed on the circuit board with the name of each terminal strip wire hole from left-to-right. Attach each wire to the correct terminal strip hole.

T2-Board (6-hole terminal strip):	GND	VOL	NECK	BRDG
	(6)	(5)	[+] [-]	[+] [-]
			(4) (3)	(2) (1)

Caution: Do not insert hard items in the wire holes because it will decrease reliable electrical connection.

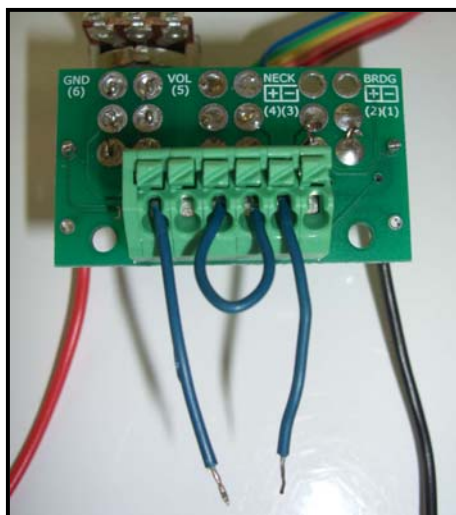
Initial Preparation

Your GIB-KIT Upgrade **Pickup Tone Multiplier**[™] switching system product included one 3" [76mm] length of Blue insulated wire to be used in the Testing Procedure. Cut this blue wire into three 1" [25.4mm] pieces and remove ¼" [6mm] insulation from each end of the three wires. Twist the wires so as to be tightly bundled.

Steps:

1. Insert one of the three blue wires into the GND (6) connector of the Green terminal strip. One end of this wire will be loose.
2. Use the second of the three blue wires to jumper the NECK (4)(3) connections on the terminal strip.
3. Insert the third blue wire into the BRDG (2) connection on the terminal strip.

Here is what your T2-Board looks like with the blue wires attached to the green terminal strip.



GIB-ASY Switch Testing

This test is designed to confirm the reliable open-circuit and close-circuit operation of SW1 and SW5. The notation (*SW5: 5,4*) identifies both the switch and terminal pairs that are validated as correctly functioning.

Steps:

1. Connect ohmmeter to the end of the Red wire (attached to the “N” connection on the printed circuit board) and to the end of the GND (6) blue wire.
 - With the SW5 control IN, ohmmeter reads *close-circuit* (SW5: 5,4)
 - With the SW5 control OUT, ohmmeter reads *open-circuit*
 - SW1 control is not applicable to this step.

2. Connect ohmmeter to the end of the Black wire (attached to the “B” connection on the printed circuit board) and to the end of the BRDG (2) blue wire.
 - With SW5 control IN and SW1 control IN, ohmmeter reads *close-circuit* (SW5: 2,3) (SW1: 5,4)
 - With SW5 control OUT and SW1 control IN, ohmmeter reads *open-circuit*.
 - With SW5 control IN and SW1 control OUT, ohmmeter reads *open-circuit*.

3. Connect ohmmeter to the end of the GND (6) blue wire and to the end of the BRDG (2) blue wire.
 - With SW1 control OUT, ohmmeter reads *close-circuit* (SW1: 6,5)
 - With SW1 control IN, ohmmeter reads *close-circuit*
 - SW5 control is not applicable to this step.

4. Connect ohmmeter to the end of the Red wire (attached to the “N” connection on the printed circuit board) and to the end of the BRDG (2) blue wire.
 - With SW5 control OUT and SW1 control IN, ohmmeter reads *close-circuit* (SW5: 6,5) (SW5: 1,2)
 - With SW5 control IN and SW1 control IN, ohmmeter reads *open-circuit*

5. Move the BRDG (2) blue wire to the BRDG (1) position.
Connect ohmmeter to the Black wire (attached to the “B” connection on the printed circuit board) and to the end of the BRDG (1) blue wire.
 - With SW5 control IN and SW1 control OUT, ohmmeter reads *close-circuit* (SW1: 1,2)
 - With SW5 control IN and SW1 control IN, ohmmeter reads *open-circuit*

6. Connect ohmmeter to GND (6) blue wire and BRDG (1) blue wire.
 - With SW1 control IN, ohmmeter reads *close-circuit* (SW1: 2,3)
 - With SW1 control OUT, ohmmeter reads *open-circuit*.

If you obtained the correct results, proceed to the **Installation Instructions for GIB-KIT Upgrade**.