



**FISHMAN<sup>®</sup>**

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FLUENCE TIM HENSON SIGNATURE SET  
INSTALLATION GUIDE

# System Requirements

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These instructions provide installation options for the Fishman Fluence series of multi-voice pickups, but these instructions are not comprehensive. A skilled electronics technician can simply interpret this overview to create a wide range of custom wiring options. Please consult with your installer for alternate switching and control components or options not specifically detailed in this guide or included with your pickup purchase. Please visit [www.fishman.com](http://www.fishman.com) for additional wiring diagrams.

## Installation Warning!

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By self-installing and/or misusing this product, you understand and agree that and such uses are high risk activities and, to the extent permitted by law, YOU EXPRESSLY AND VOLUNTARILY ASSUME THE RISK OF DEATH OR OTHER PERSONAL INJURY SUSTAINED WHILE PARTICIPATING IN SUCH ACTIVITIES WHETHER OR NOT CAUSED BY THE NEGLIGENCE OR ANY OTHER FAULT of Fishman, including but not limited to equipment malfunction from whatever cause, or any other fault of Fishman. Additionally, you agree to indemnify, defend and hold Fishman harmless from any third party claims arising from such activities

# Getting Started

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1. Determine the rotary controls (Volume, Tone, etc.) and switches to be used in your installation, including those included with your purchase. Test fit the components to make sure that each will fit in the allocated locations or modify the instrument until the fit is correct and all controls can be located without issue. Fishman Fluence Pickups are active and require 25K audio taper potentiometers.

2. Fishman Fluence multi-voice pickups require a 9V power supply.

- If using a standard 9V battery, test fit cavity locations for simple installations or consider installing an externally accessible battery compartment (available separately.) Note that it is important the battery is not allowed to short contacts between controls in the instrument.
- If using a separately purchased Fishman rechargeable battery, refer to those instructions to complete this part of your installation.
- Note that it may be possible to combine other active pickups with Fishman Fluence pickups, but all pickups will need to use the same 9V power source. Only active pickup combinations are supported.

3. The various pickup voicing options are easily activated by connecting the corresponding control wires to Ground. Any of these options can be made switch selectable using the included push-pull pots or other preferred switches. They can also be permanently wired by either connecting to Ground or leaving "open" (unconnected). See the "Connection Points and Functions" section for helpful details.

4. Review your planned scheme for errors, complete the soldering, mount and secure all your components, and test your completed installation before assembly. Consider a popular wiring option as shown on the reverse side of this guide or visit **[www.fishman.com](http://www.fishman.com)** for additional wiring diagrams.

Voice 1 Neck – Thick and smooth Neck Humbucker / Peak frequency – 3.5kHz  
(first order rolloff)

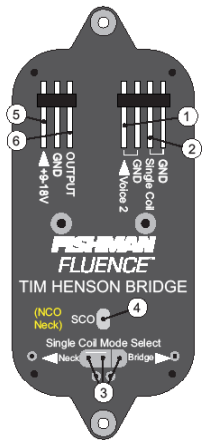
Voice 1 Bridge – Aggressive, tight passive tone / Peak frequency – 1.65kHz

Voice 2 Neck – Hyper clean, faux acoustic/nylon surrogate – 9.5kHz, 450Hz

Voice 2 Bridge – Combination of Tim's favorite Bridge Humbuckers / Peak frequency – 2.3kHz, 480Hz

Voice 3 Neck – Tim's fluid neck single coil / Peak frequency – 4.2kHz

Voice 3 Bridge – Tim's ideal single coil combination tone when used in conjunction with neck coil / Peak frequency – 6kHz (designed for bridge & neck, neck side coils)



## Fluence Tim Henson Signature Set – Connection Points & Functions

**1. Voice-2 Select Wire** - To select Voice-2, connect this pin to ground through a switch contact or permanently by soldering it to any ground or by using one of the included jumpers across the pins.

This pin is an electronically controlled switch and has no signal on it. It can share a switch contact with other voice select wires without interaction.

Note: the Single Coil / Voice-3 select pin (3) over rides Voice-2 select. Therefore, the Voice-3 pin must be disconnected (not grounded) to allow Voice-2 selection.

**2. Single Coil / Voice-3 Select Wire** - To select Voice-3, connect this pin to ground through a switch contact.

In Single Coil mode, the default active coils are those closest to the neck (screw side for neck and slug side for bridge). The Tim Henson signature set is designed such that using the neck side coils from both pickups together will provide hum canceling. With the standard wiring scheme, position-2 utilizes the Bridge pickup in Single Coil / Voice-3 mode and combines with the Neck pickup screw side coil via the NCO & SCO solder pads. See note (4) for details on the NCO & SCO solder pads.

When selected, Single Coil / Voice-3 mode overrides the status of Voice-1 or 2.

**3. Single Coil Mode Select** - A row of three solder pads is used to select the active coil in Single Coil / Voice-3 mode

The active coil is selected by a solder bridge connecting the corresponding outer pad to the center one.

The pickups ship from the factory with the neck side coils set as the default. To change the active coils to the bridge ones, remove the solder bridge and create a new one from the other outer pad to the center. To avoid damaging the pads, solder wick or a desoldering pump are strongly recommended for removing the solder bridge.

**4. SCO Bridge Pickup (South Coil Out)** - This solder pad is used to conveniently access the south coil. This is used as an input for the neck NCO (North Coil Out) signal in position-2 of 5-way switch wiring. It can also function as an output for HSH (Humbucker, Single, Humbucker) and HSS pickup combinations using the Fluence SSA Single width.



NCO (North Coil Out) - This solder pad is used for position-2 in 5-way switch wiring for combining the neck north coil with the bridge south coil, utilizing the bridge preamp in Voice-3.

**5. +9-18V** - This is the + dc power input pin. Fluence pickups are designed to have a wide dynamic range running from a 9V supply, however they are 18V compatible for instruments already set up that way.

**6. Output** - The main output pin has a 2k ohm output impedance and is suitable for driving low impedance volume and tone pots, typically 25k.

**Wiring diagrams are available at [Fishman.com](http://Fishman.com)**

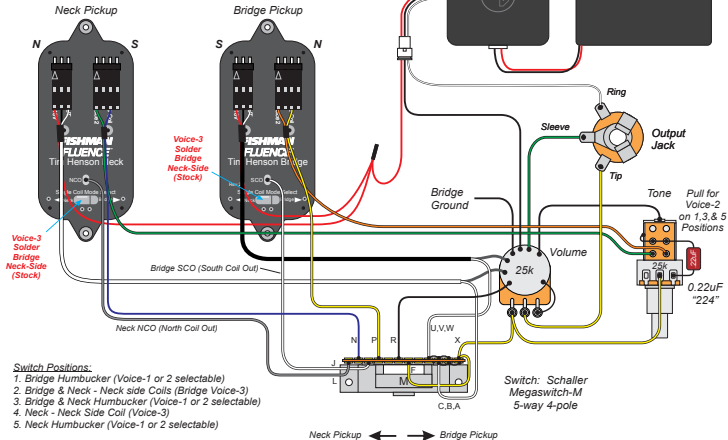
# FISHMAN FLUENCE™

## Tim Henson Humbucker Set

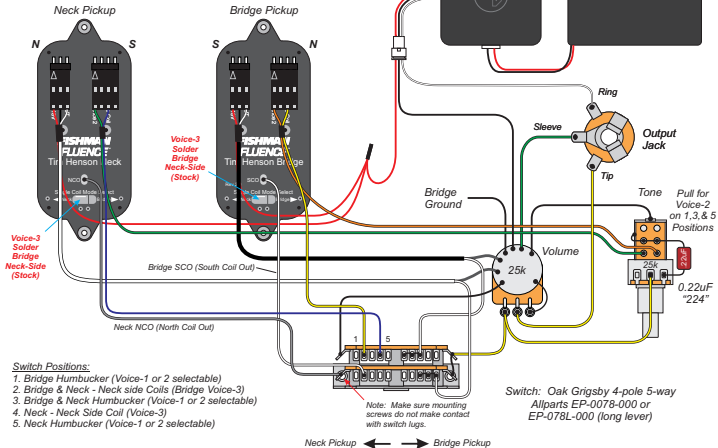
Volume

Tone - Pull for Voice-2 (1,3, & 5 positions)

Schaller Megaswitch-M 5-way Switch



**FISHMAN FLUENCE™**  
**Tim Henson Humbucker Set**  
 Volume  
 Tone - Pull for Voice-2 (1,3, & 5 positions)  
 Oak Grigsby 5-way Super-Switch

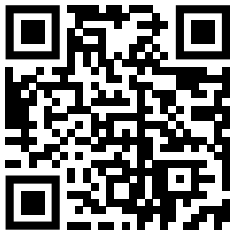


Neck Tone - Pull for Single Coil / Voice-3



*Tone - Pull for Voice-2*





PRODUCT PAGE & INSTALL GUIDE

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