FISHMAN®

INSTALL GUIDE
FLUENCE SINGLE WIDTH SSA/SSP PICKUPS

System Requirements

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 for additional wiring diagrams.

Installation Warning!

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

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 low impedance and perform ideally with 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 low impedance pickup combinations are supported.

3. One or more of your Fluence pickups will have a preamp built into the base of the pickup assembly. Preamplified pickups each have their own switching capabilities. In setups controlled by a single preamp, such as the Fluence Single-Width set, optional switching on the preamplified pickup will alter the output of all pickups connected to that preamplifier. The preamps on Fishman Fluence pickups are not suitable for use with other brands of guitar pickups.

4. All Pickup Voicing, High Frequency Tilt (HF Tilt) and Gain reduction features are selected by connecting their leads to Ground. These features and their wire locations are described in the user guide accompanying each pickup. During installation, any of these selections can be made switchable (using the included push-pull pot or other preferred switch) or permanent by either connecting to Ground or leaving “open” (unconnected). Some switching scenarios are provided below, featuring the components provided with your purchase, but any schematic allowing connection to Ground can be used.

5. 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.

Fluence Single Width for Strat® 6-String HSH & HSS Pickup Set Specifications

Single Width SSA & SSP Pickup Peak Frequency:
Voice 1 : (Lone Single Width Mode) – 3.4 kHz
Voice 2 : (Dual Parallel Single Width Mode) – 4.8 kHz

Magnetic Material : Alnico IV
Magnetic Circuit : Rod magnets
Pole Spacing : 52.2 mm
Output Impedance : 2 k
Current Draw : 1.5 mA

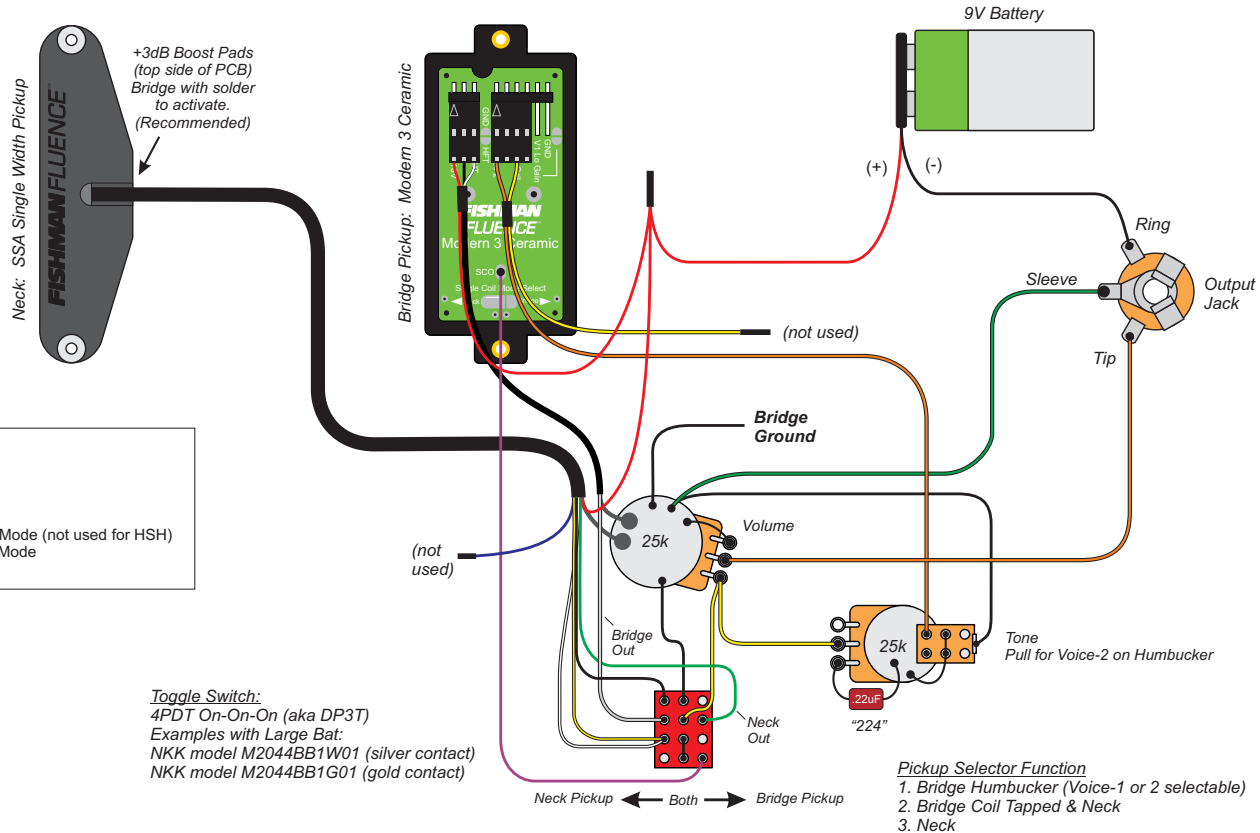
Battery : 9-Volt or optional rechargeable battery pack
Battery Life : Up to 330 hours

FISHMAN FLUENCE™

Modern 3 Ceramic 6-String Humbucker - HS w SSA Single Width Pickup

Volume

Tone - Pull for Voice-2 on Humbucker



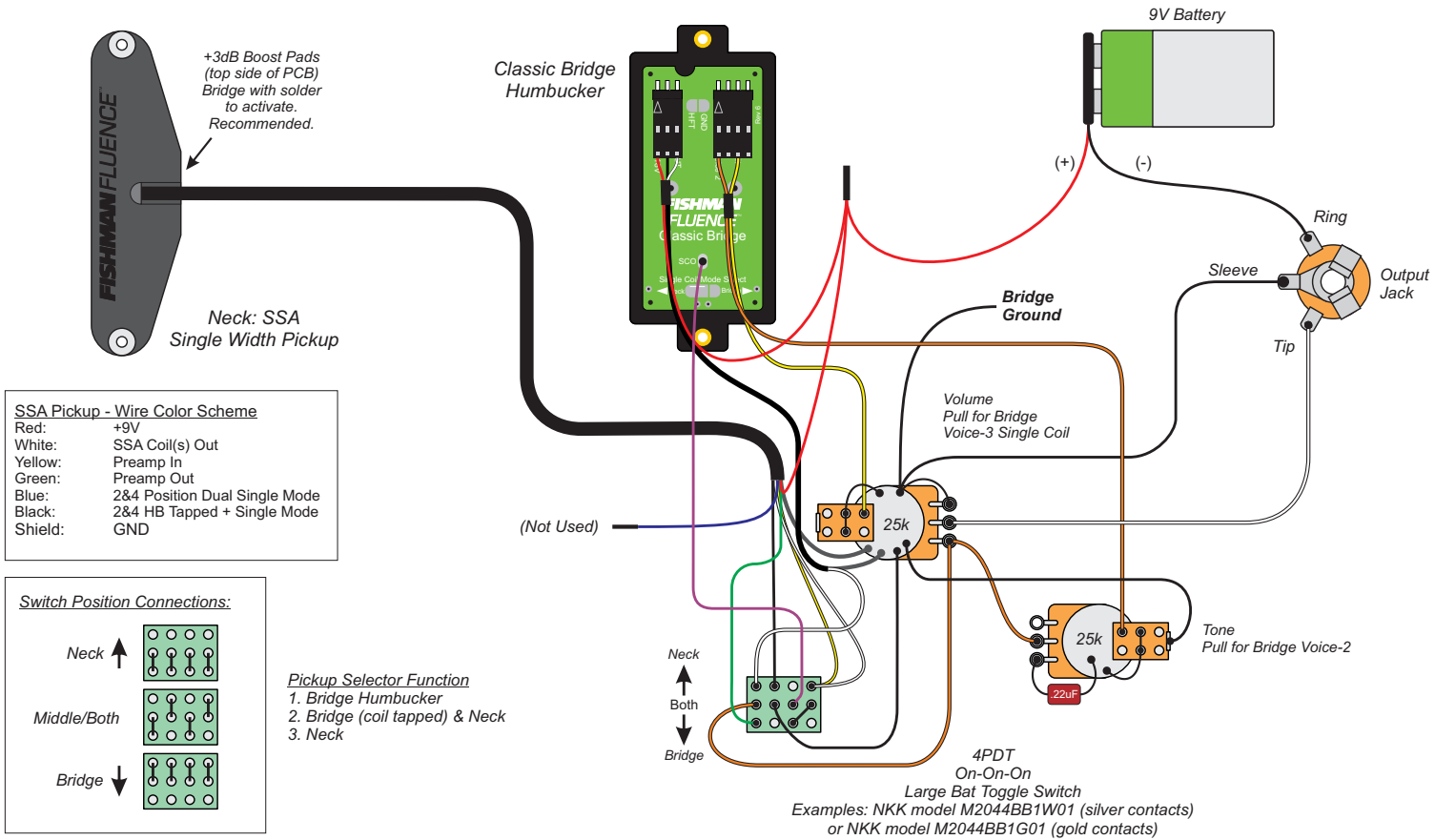
SSA Pickup - Wire Color Scheme	
Red:	+9V
White:	SSA Coil(s) Out
Yellow:	Preamp In
Green:	Preamp Out
Blue:	2&4 Position Dual Single Mode (not used for HSH)
Black:	2&4 HB Tapped + Single Mode
Shield:	GND

Toggle Switch:
4PDT On-On-On (aka DP3T)
Examples with Large Bat:
NKK model M2044BB1W01 (silver contact)
NKK model M2044BB1G01 (gold contact)

Pickup Selector Function
1. *Bridge Humbucker (Voice-1 or 2 selectable)*
2. *Bridge Coil Tapped & Neck*
3. *Neck*

FISHMAN FLUENCE™

HS Wiring with SSA Pickup & Classic Bridge Rev6 Humbucker
4PDT On-On-On Toggle Switch (aka DP3T)



SSA Pickup - Wire Color Scheme

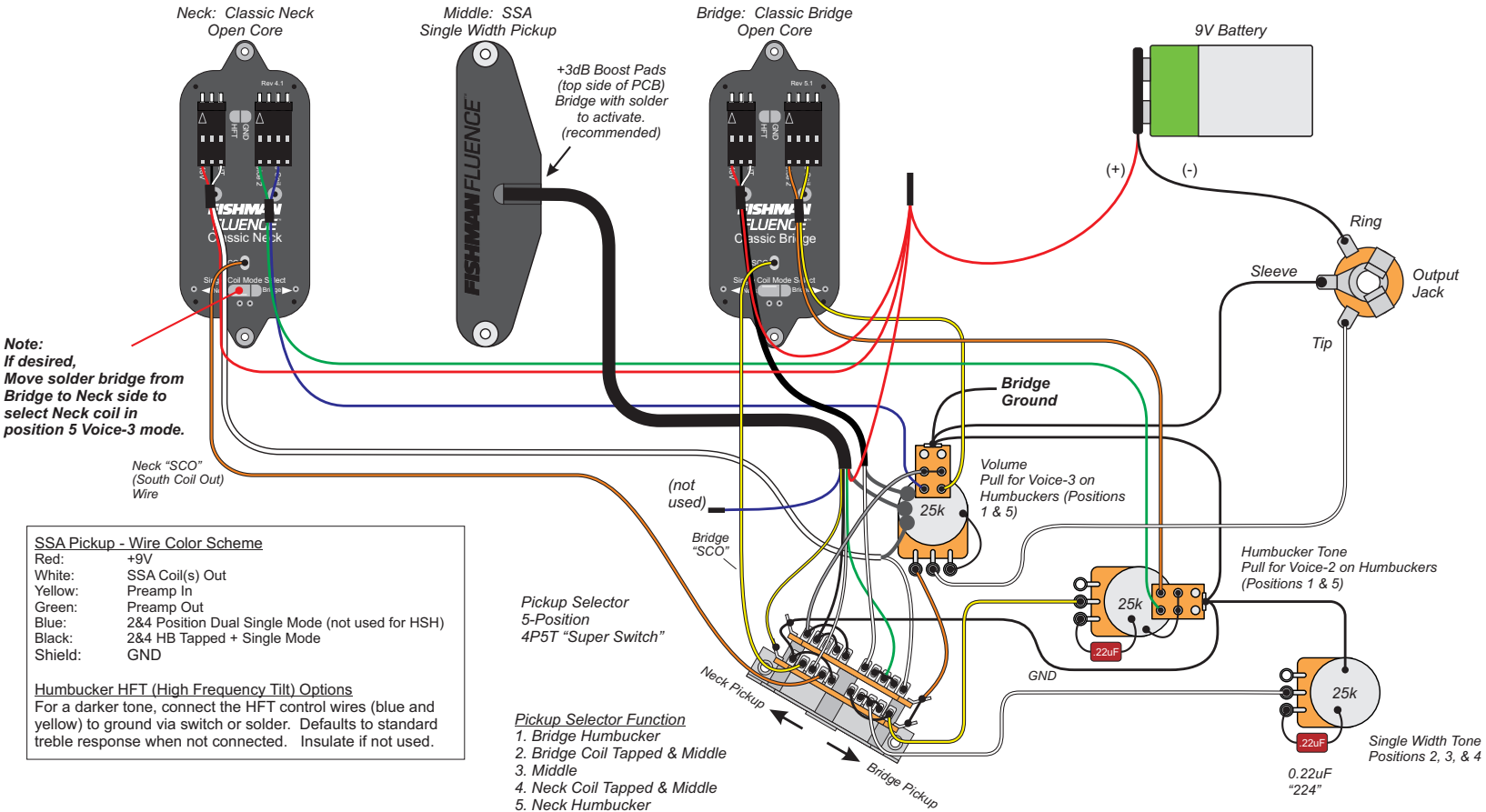
Red:	+9V
White:	SSA Coil(s) Out
Yellow:	Preamp In
Green:	Preamp Out
Blue:	2&4 Position Dual Single Mode
Black:	2&4 HB Tapped + Single Mode
Shield:	GND

Switch Position Connections:

Pickup Selector Function
1. *Bridge Humbucker*
2. *Bridge (coil tapped) & Neck*
3. *Neck*

FISHMAN FLUENCE™

Classic Open Core Humbucker Set - Pull for Voice-2/Voice-3
HSH Wiring with SSA Single Width Pickup - 1xVolume, 2xTone



SSA Pickup - Wire Color Scheme

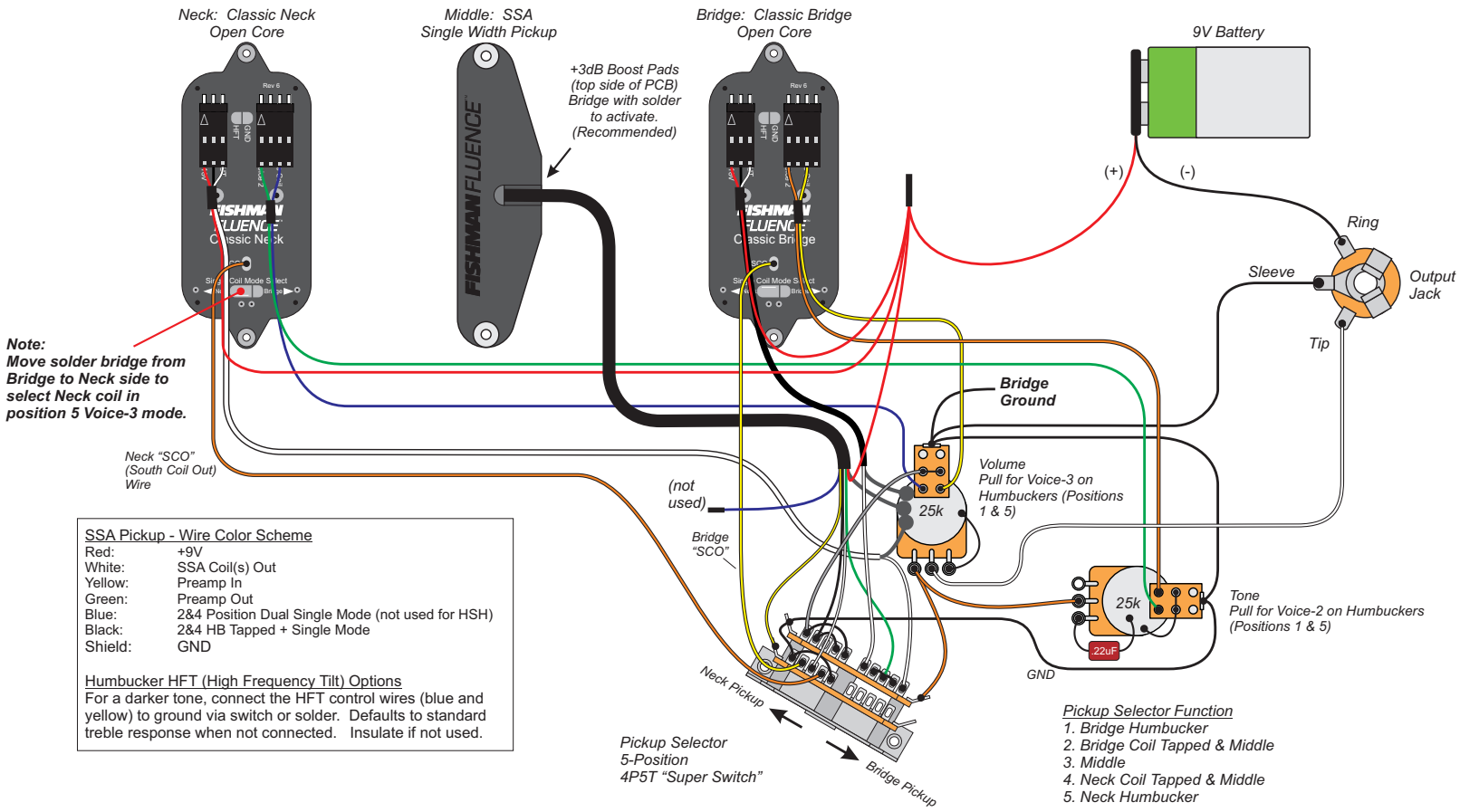
Red:	+9V
White:	SSA Coil(s) Out
Yellow:	Preamp In
Green:	Preamp Out
Blue:	2&4 Position Dual Single Mode (not used for HSH)
Black:	2&4 HB Tapped + Single Mode
Shield:	GND

Humbucker HFT (High Frequency Tilt) Options

For a darker tone, connect the HFT control wires (blue and yellow) to ground via switch or solder. Defaults to standard treble response when not connected. Insulate if not used.

FISHMAN FLUENCE™

Classic Open Core Humbucker Set - Pull for Voice-2/Voice-3
HSH Wiring with SSA Single Width Pickup



SSA Pickup - Wire Color Scheme

Red:	+9V
White:	SSA Coil(s) Out
Yellow:	Preamp In
Green:	Preamp Out
Blue:	2&4 Position Dual Single Mode (not used for HSH)
Black:	2&4 HB Tapped + Single Mode
Shield:	GND

Humbucker HFT (High Frequency Tilt) Options

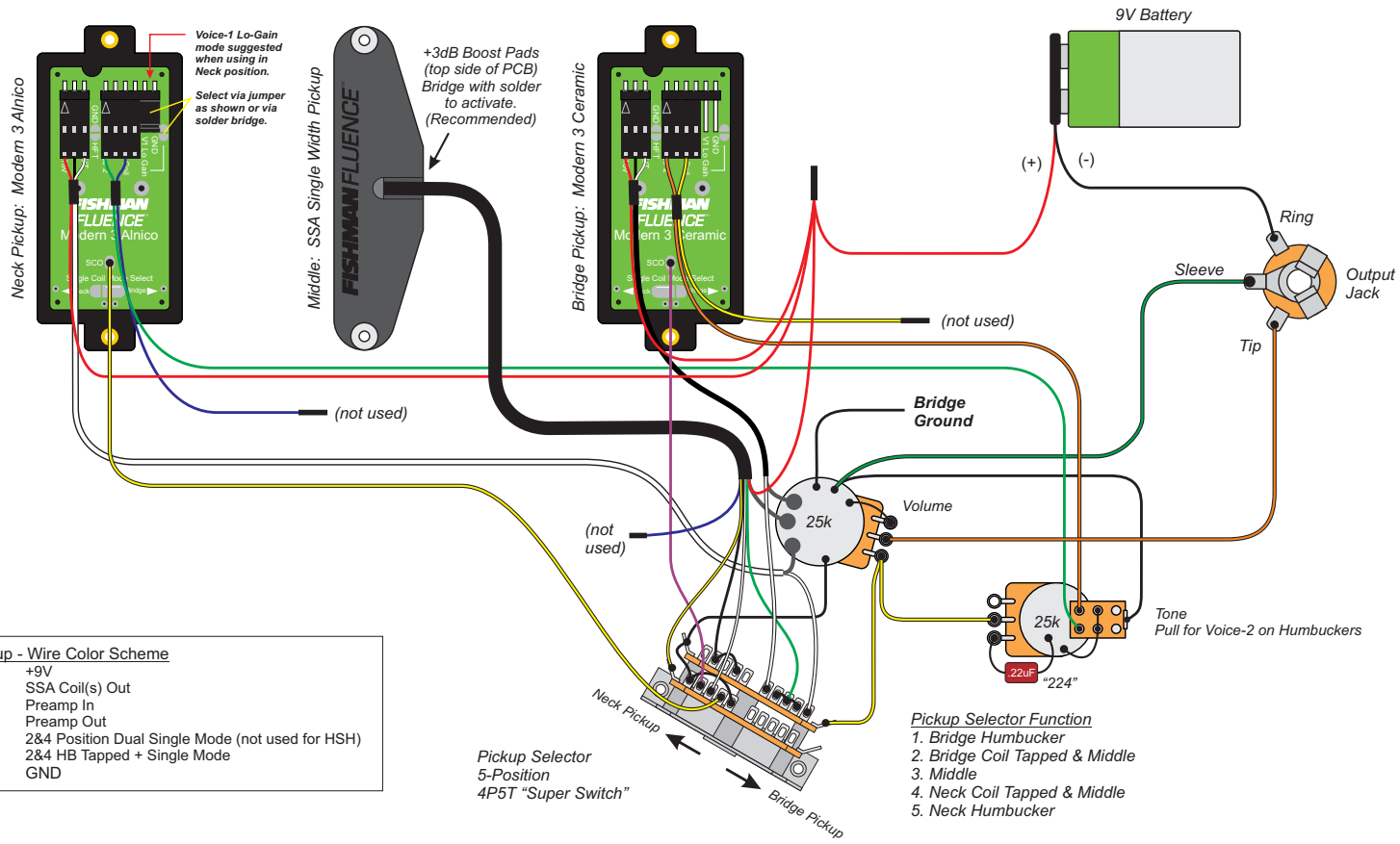
For a darker tone, connect the HFT control wires (blue and yellow) to ground via switch or solder. Defaults to standard treble response when not connected. Insulate if not used.

FISHMAN FLUENCE™

Modern 3 Humbucker Set - HSH w SSA Single Width Pickup

Volume

Tone - Pull for Voice-2 on Humbuckers



SSA Pickup - Wire Color Scheme

Red:	+9V
White:	SSA Coil(s) Out
Yellow:	Preamp In
Green:	Preamp Out
Blue:	2&4 Position Dual Single Mode (not used for HSH)
Black:	2&4 HB Tapped + Single Mode
Shield:	GND

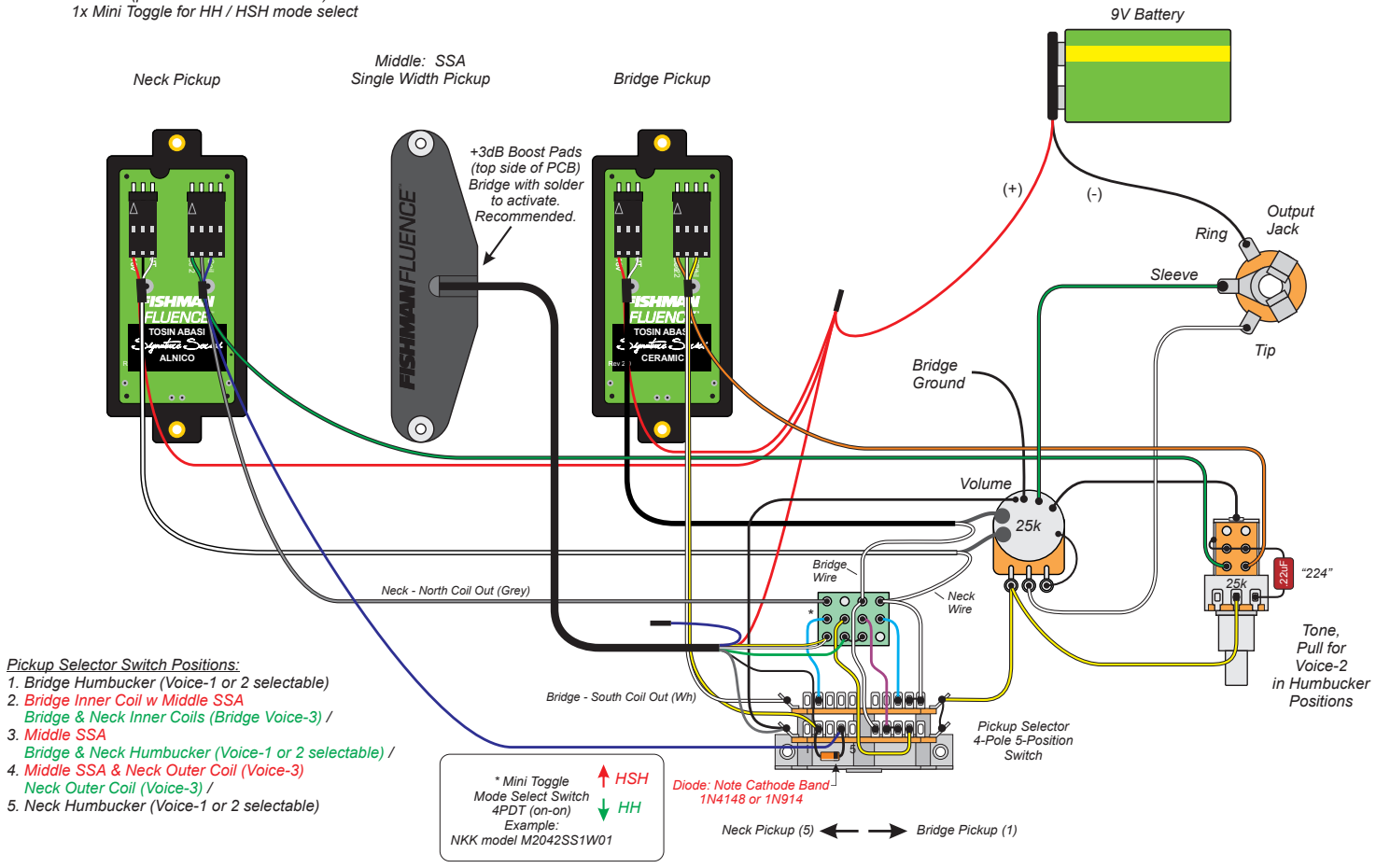
Pickup Selector Function

1. Bridge Humbucker
2. Bridge Coil Tapped & Middle
3. Middle
4. Neck Coil Tapped & Middle
5. Neck Humbucker

FISHMAN FLUENCE™

Tosin Abasi Pickup Set Rev2&3 & SSA Single Width - HSH Configuration - Diagram Rev3

1x Volume
1x Tone (pull for humbucker Voice-2)
1x Mini Toggle for HH / HSH mode select



Pickup Selector Switch Positions:

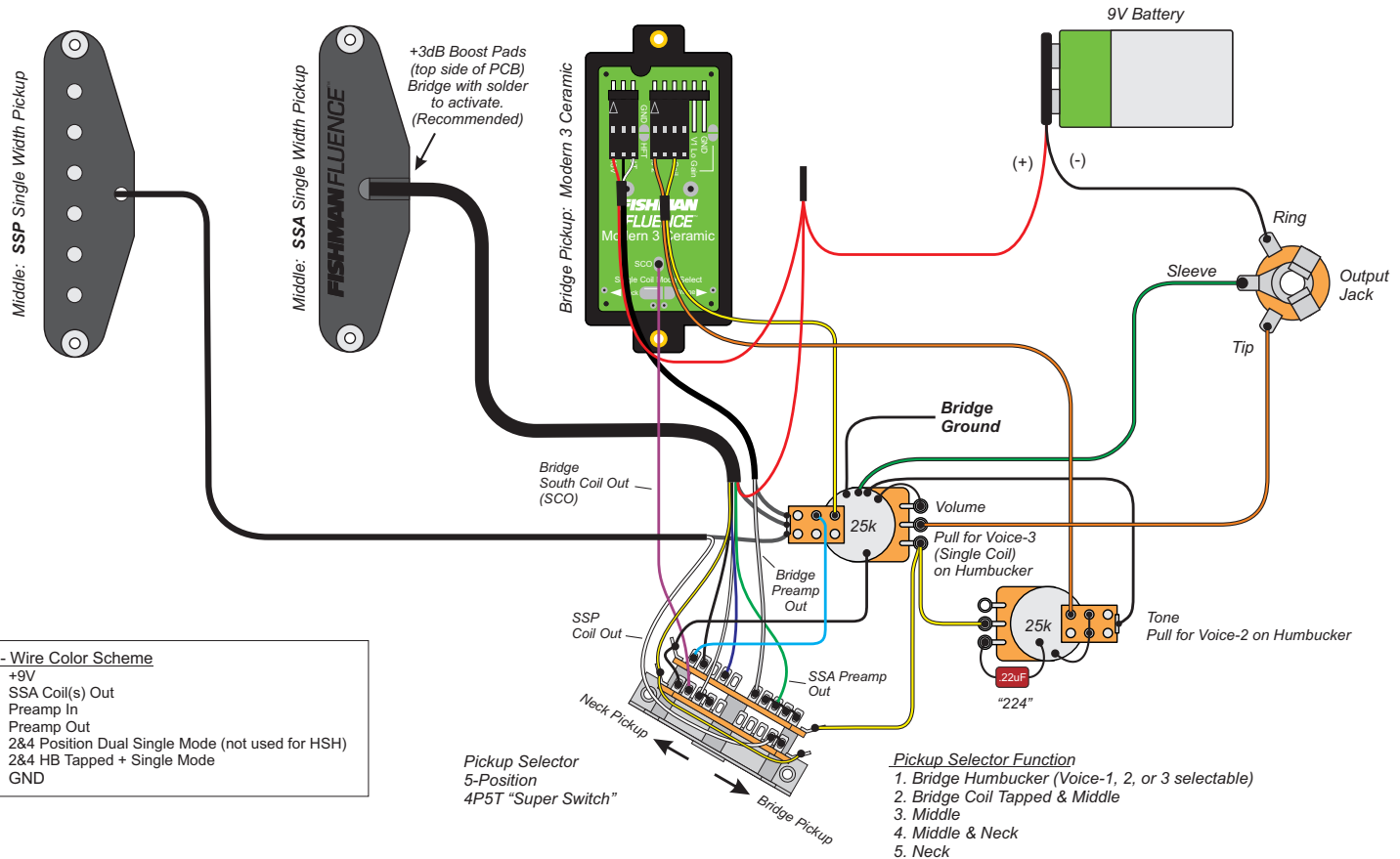
1. Bridge Humbucker (Voice-1 or 2 selectable)
2. Bridge Inner Coil w Middle SSA
   Bridge & Neck Inner Coils (Bridge Voice-3) /
3. Middle SSA
   Bridge & Neck Humbucker (Voice-1 or 2 selectable) /
4. Middle SSA & Neck Outer Coil (Voice-3)
   Neck Outer Coil (Voice-3) /
5. Neck Humbucker (Voice-1 or 2 selectable)

FISHMAN FLUENCE™

Modern 3 6-String Ceramic Humbucker - HSS w SSA & SSP Single Width Pickups

Volume - Pull for Voice-3 (Single Coil) on Humbucker

Tone - Pull for Voice-2 on Humbucker



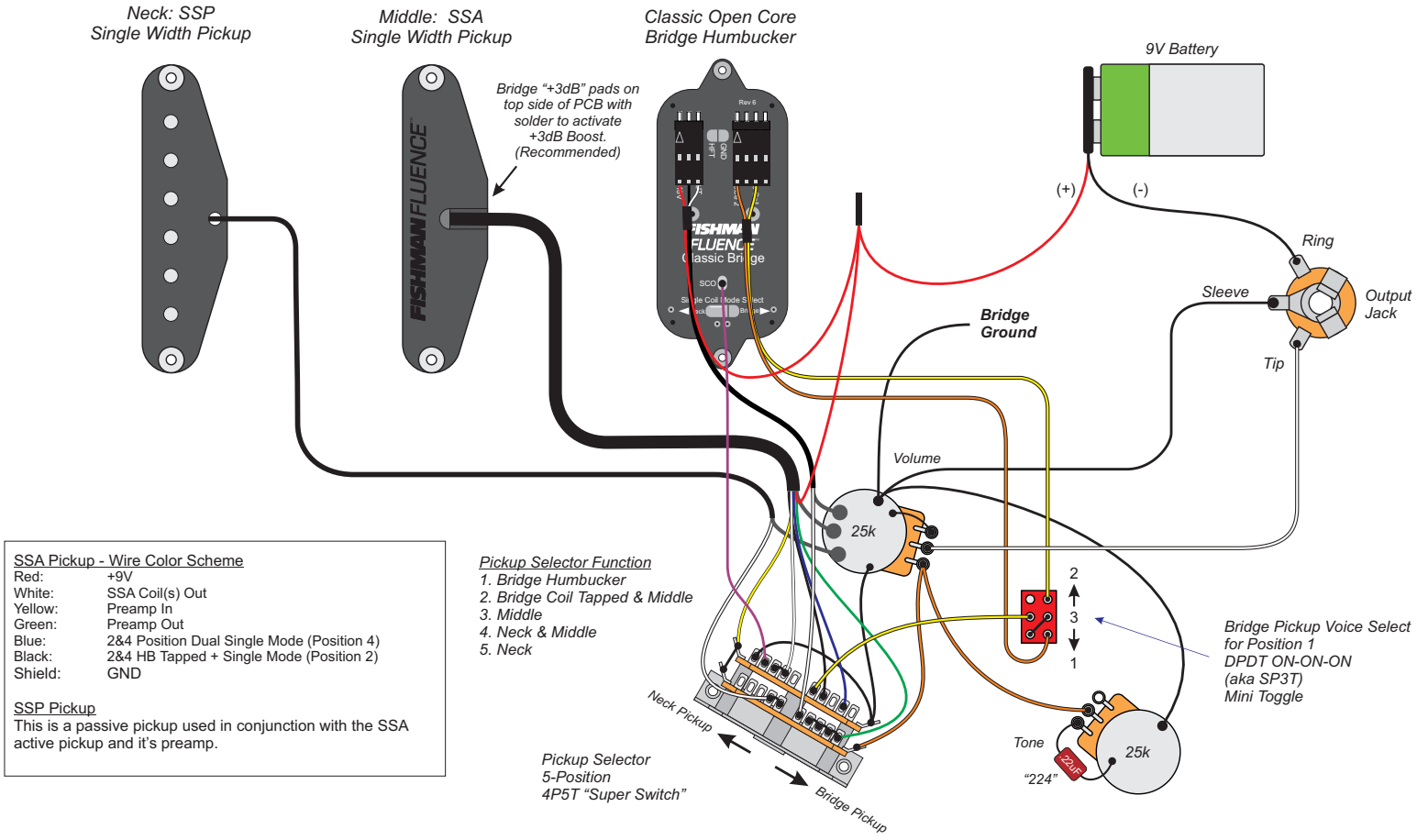
SSA Pickup - Wire Color Scheme	
Red:	+9V
White:	SSA Coil(s) Out
Yellow:	Preamp In
Green:	Preamp Out
Blue:	2&4 Position Dual Single Mode (not used for HSH)
Black:	2&4 HB Tapped + Single Mode
Shield:	GND

Pickup Selector Function

1. *Bridge Humbucker (Voice-1, 2, or 3 selectable)*
2. *Bridge Coil Tapped & Middle*
3. *Middle*
4. *Middle & Neck*
5. *Neck*

FISHMAN FLUENCE™

HSS Wiring with SSP, SSA, & Classic Open Core Humbucker
1xVolume, 1xTone, 3-way Bridge HB Voice Select



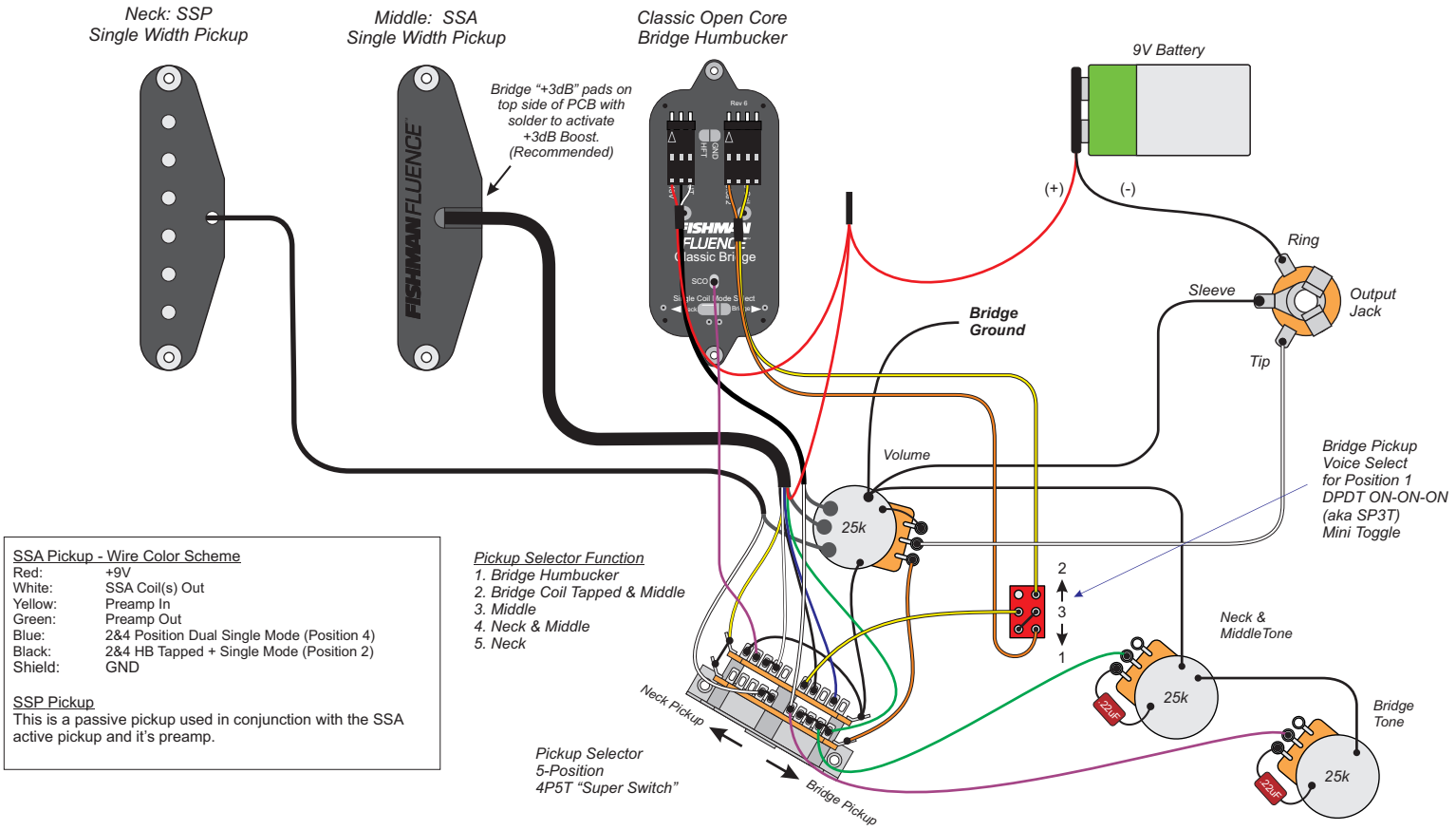
SSA Pickup - Wire Color Scheme

Red:	+9V
White:	SSA Coil(s) Out
Yellow:	Preamp In
Green:	Preamp Out
Blue:	2&4 Position Dual Single Mode (Position 4)
Black:	2&4 HB Tapped + Single Mode (Position 2)
Shield:	GND

SSP Pickup
This is a passive pickup used in conjunction with the SSA active pickup and it's preamp.

FISHMAN FLUENCE™

HSS Wiring with SSP, SSA, & Classic Open Core Humbucker
1xVolume, 2xTone, 3-way Bridge HB Voice Select



SSA Pickup - Wire Color Scheme

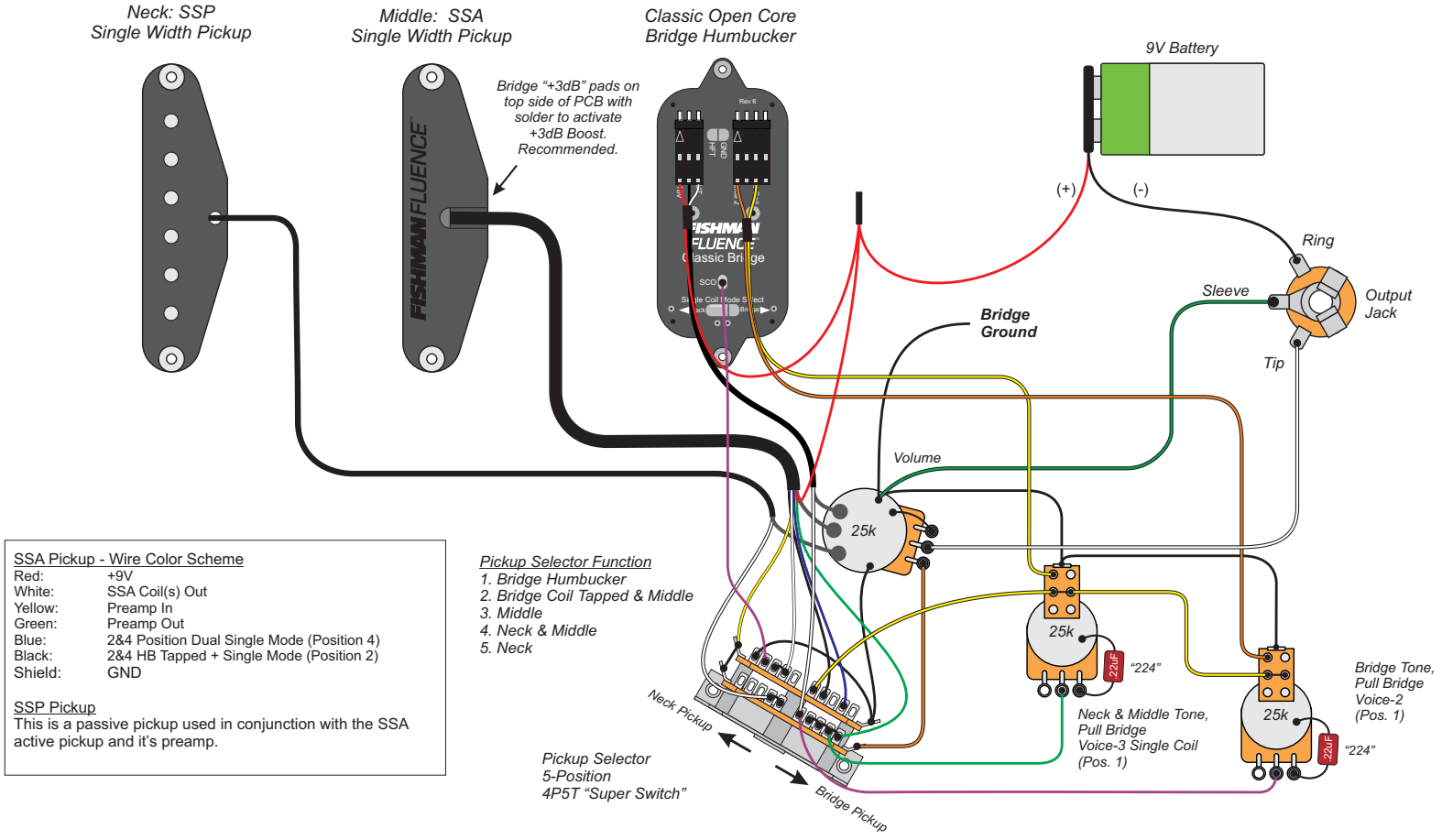
Red:	+9V
White:	SSA Coil(s) Out
Yellow:	Preamp In
Green:	Preamp Out
Blue:	2&4 Position Dual Single Mode (Position 4)
Black:	2&4 HB Tapped + Single Mode (Position 2)
Shield:	GND

SSP Pickup
This is a passive pickup used in conjunction with the SSA active pickup and it's preamp.

FISHMAN FLUENCE™

HSS Wiring with SSP, SSA, & Classic Open Core Humbucker

1xVolume, 2xTone



SSA Pickup - Wire Color Scheme

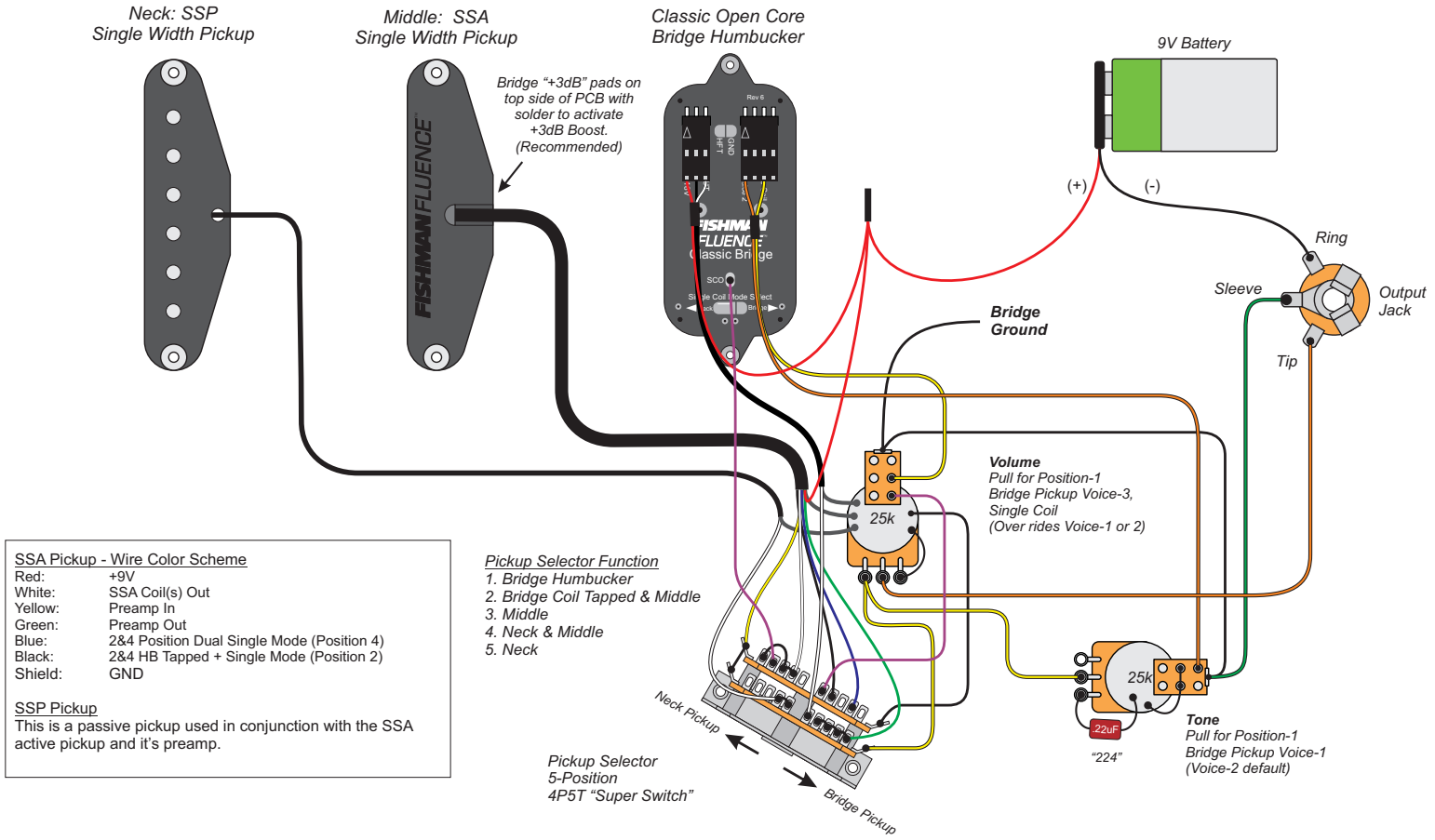
Red:	+9V
White:	SSA Coil(s) Out
Yellow:	Preamp In
Green:	Preamp Out
Blue:	2&4 Position Dual Single Mode (Position 4)
Black:	2&4 HB Tapped + Single Mode (Position 2)
Shield:	GND

SSP Pickup

This is a passive pickup used in conjunction with the SSA active pickup and it's preamp.

FISHMAN FLUENCE™

HSS Wiring with SSP, SSA, & Classic Open Core Humbucker
1xVolume (Pull HB Voice-3), 1xTone (Pull HB Voice-1, Voice-2 default)



SSA Pickup - Wire Color Scheme

Red:	+9V
White:	SSA Coil(s) Out
Yellow:	Preamp In
Green:	Preamp Out
Blue:	2&4 Position Dual Single Mode (Position 4)
Black:	2&4 HB Tapped + Single Mode (Position 2)
Shield:	GND

SSP Pickup

This is a passive pickup used in conjunction with the SSA active pickup and it's preamp.