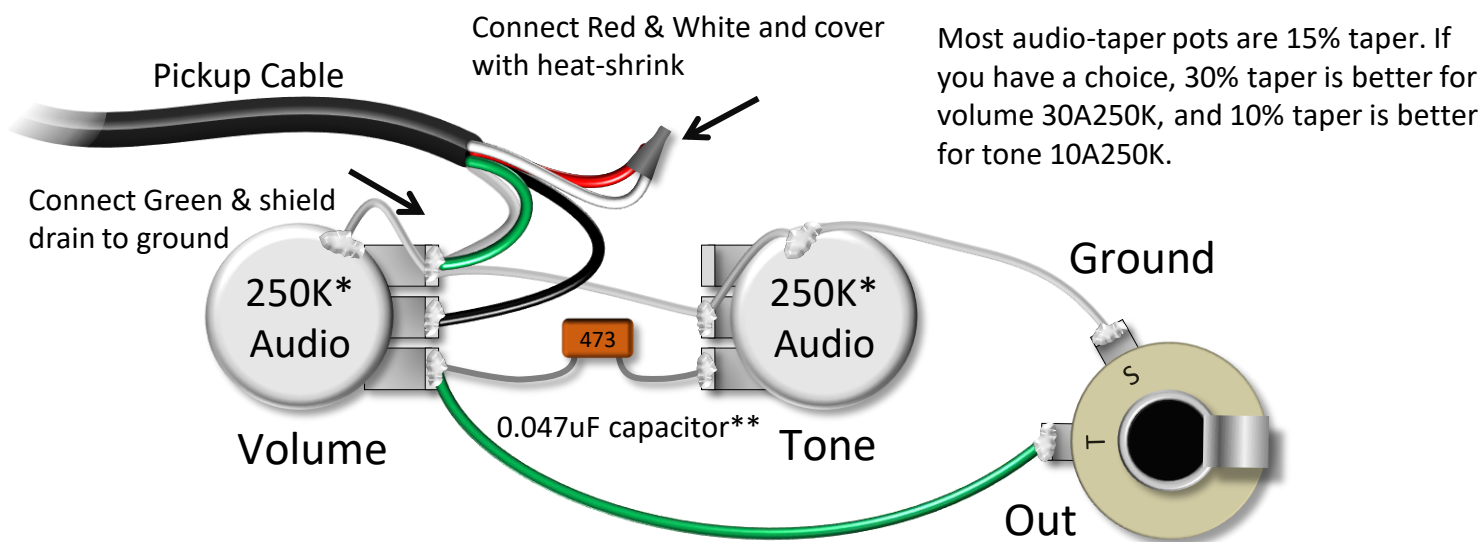


Single 4-Conductor Pickup: Passive Setup with Volume and Tone

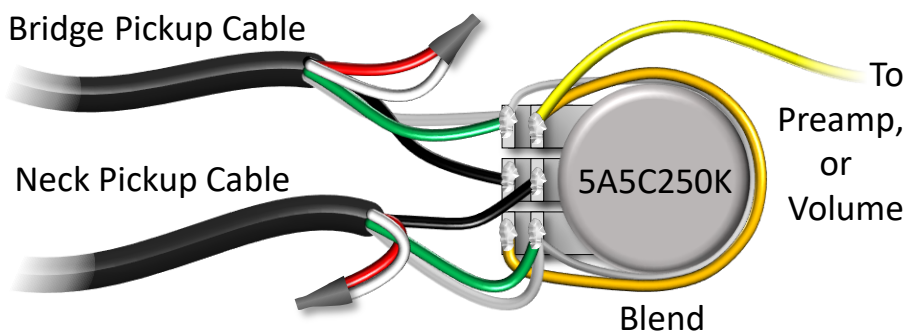
Bartolini pickups are precision magnetic transducers designed and built to bring out the fullest response from electric guitars and basses. They are hand assembled in California from quality materials and carry a 1-year warranty against defects in materials and workmanship.

Most Bartolini pickups can be used with standard passive tone and volume controls. The diagram below is a very simple setup for passive tone and volume for a single pickup using 4-conductor cable. This will connect the pickup coils in series hum canceling for the fullest output.



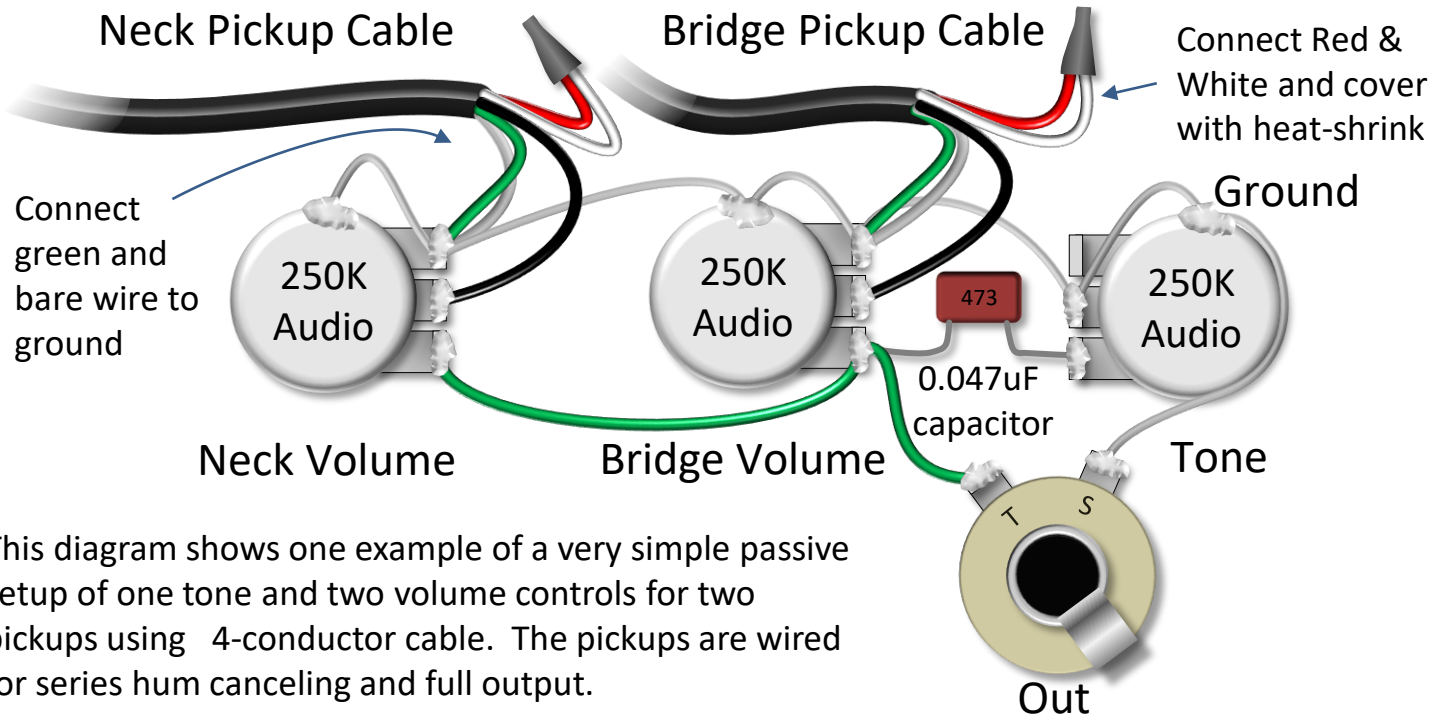
A capacitor of lower value will provide brighter tone. For bass common values are between **0.068uF (darkest tone) and 0.022uF (brightest tone), and for guitars between 0.033uF (dark) and 0.010uF (bright). 250KΩ pots are most common for bass.* 500KΩ pots will give basses a brighter tone but are more commonly used with guitar humbucker pickups.

Dual 4 Conductor pickups connected to a blend pot as part of a Bartolini pre-wired harness.



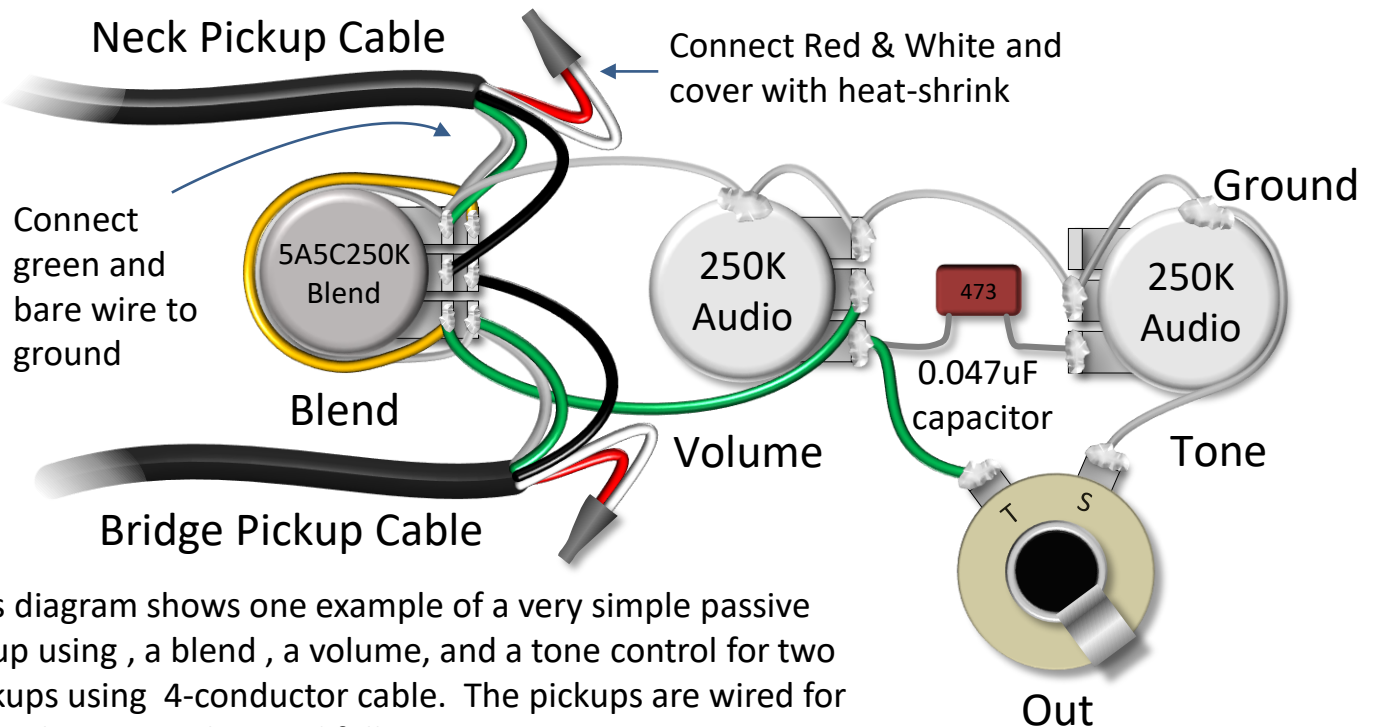
Blend pots may be 5A5C taper or MN taper. 5A5C reduces volume for each pickup slightly at center detent for more even volume overall. MN will be louder at center. Preferences vary. We usually use 5A5C.

Dual 4-Conductor Pickup Passive Setup with 2 Volumes and 1 Tone



This diagram shows one example of a very simple passive setup of one tone and two volume controls for two pickups using 4-conductor cable. The pickups are wired for series hum canceling and full output.

Dual 4-Conductor Pickup Passive Setup with Blend, Volume, and Tone

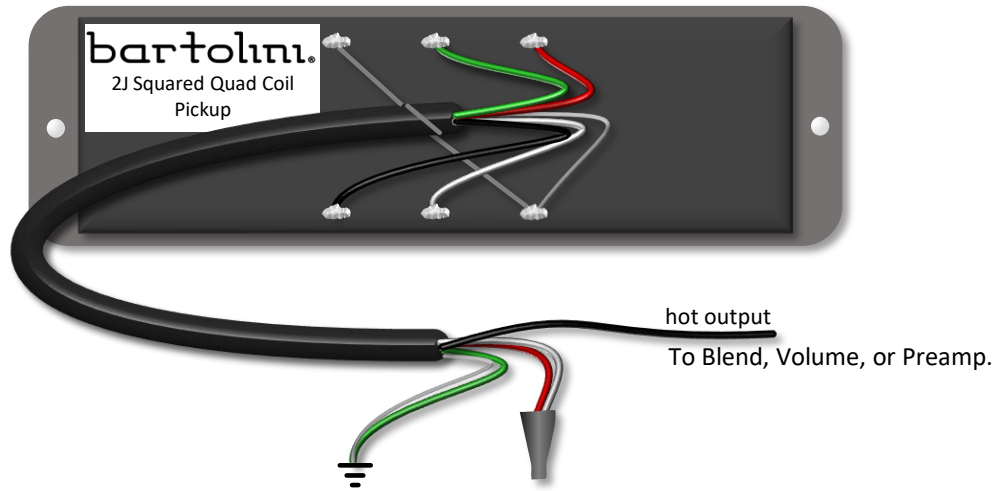


This diagram shows one example of a very simple passive setup using a blend, a volume, and a tone control for two pickups using 4-conductor cable. The pickups are wired for series hum canceling and full output.

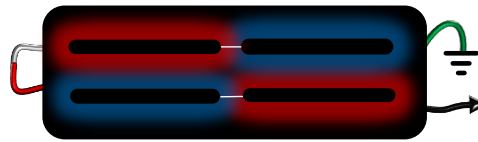
These sample wiring diagrams do not represent what is included with any Bartolini prewired harness or pickup but are only examples of how Bartolini 4-conductor cabled pickups can be switched for tonal variations.

Bartolini 2J Squared Quad Coil Pickup Wiring Options

Series Hum Canceling

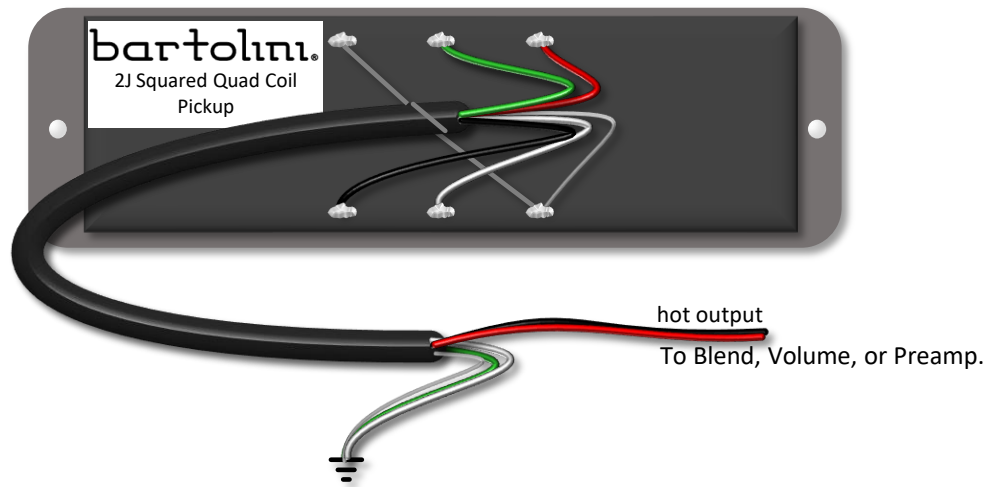


2J Squared Series Hum Canceling

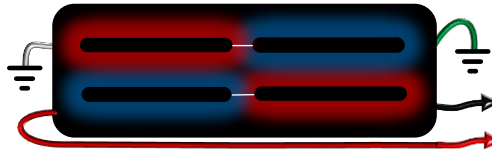


The bridge in-line pairs and the neck in-line pairs are connected internally and can not be altered.

Parallel Hum Canceling



2J Squared Parallel Hum Canceling



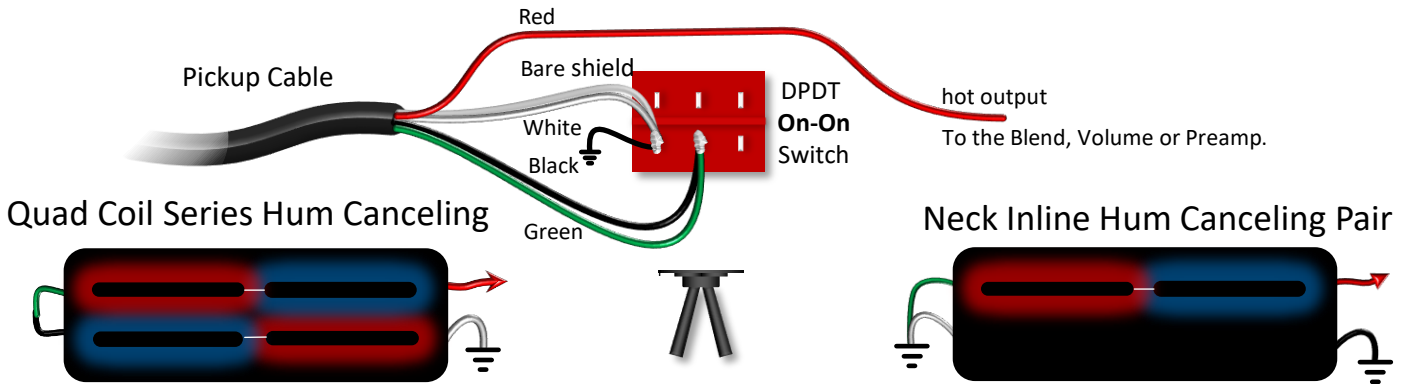
Coils with **North** magnetic polarity and shown in **red**
Coils with **South** magnetic polarity and shown in **blue**.

⏏ Denotes "ground". Which is connected ultimately to the sleeve terminal on the jack.

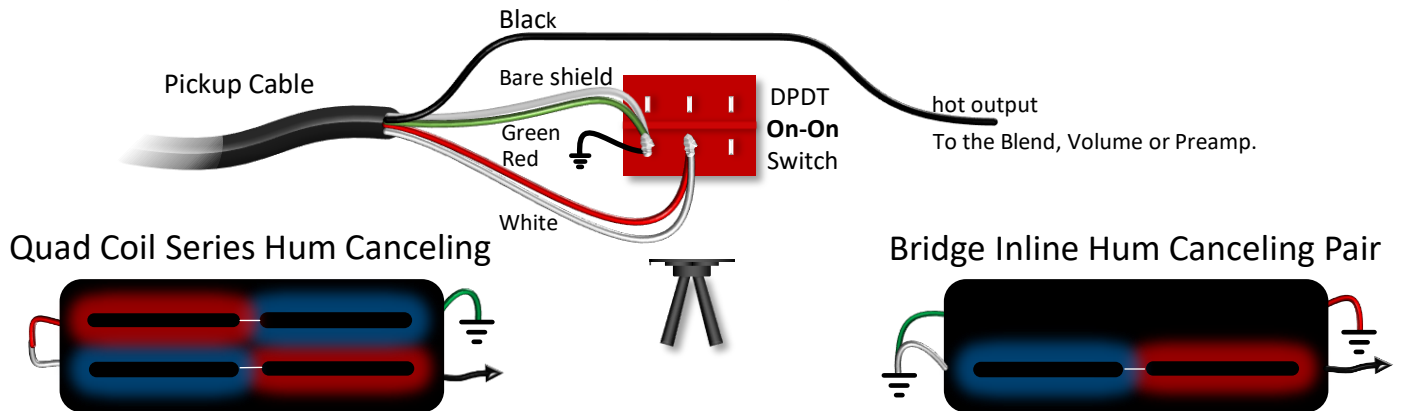
These sample wiring diagrams do not represent what is included with any Bartolini prewired harness or pickup but are only examples of how Bartolini 4-conductor cabled pickups can be switched for tonal variations.

Switch Wiring Diagrams for a Single 2J Squared Pickup with a 4-Conductor Cable

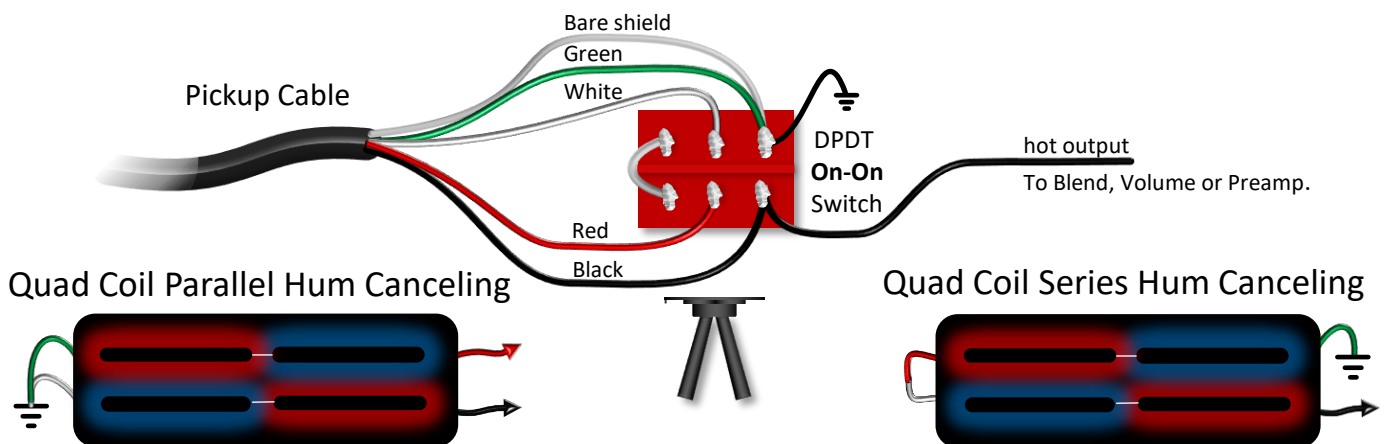
Series Quad Coil Hum Canceling / Neck Side Inline Pair



Series Hum Canceling / Bridge Side Inline Pair



Parallel Hum Canceling / Series Hum Canceling



Bridge side coils are **North** magnetic polarity and shown in **red**
Neck side coils are **South** magnetic polarity and shown in **blue**.

⏏ Denotes "ground". Which is connected ultimately to the sleeve terminal on the jack.

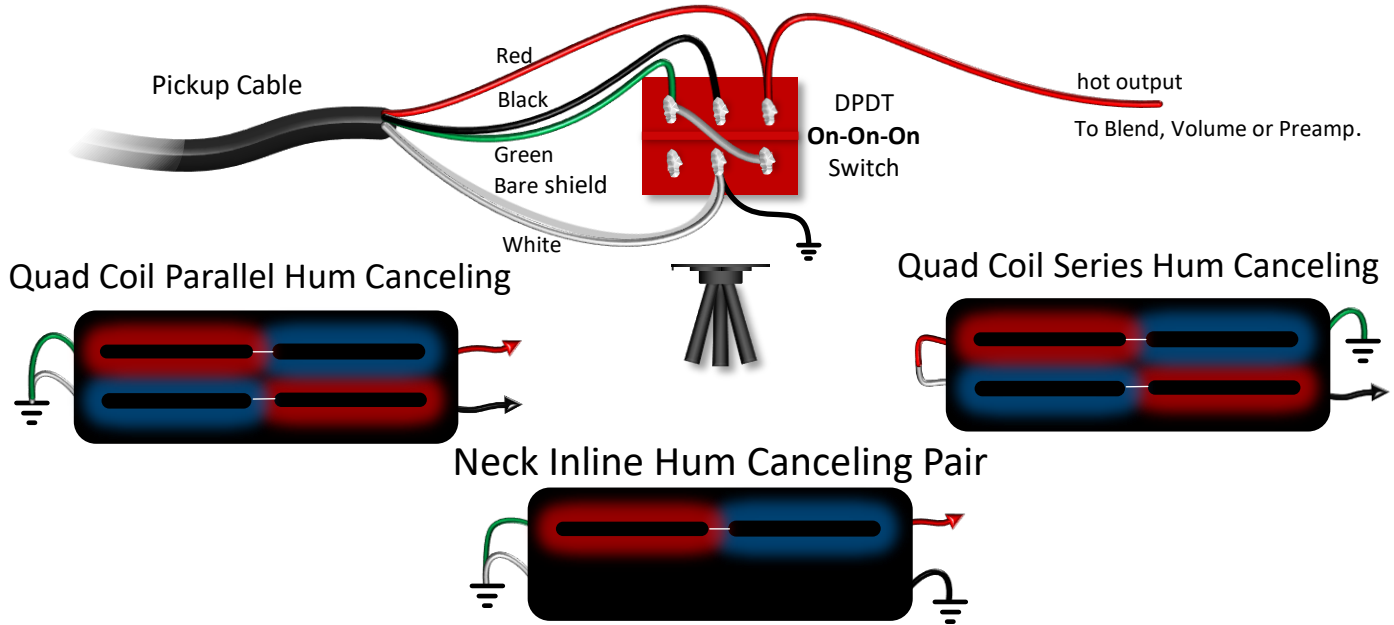
These sample wiring diagrams do not represent what is included with any Bartolini prewired harness or pickup but are only examples of how Bartolini 4-conductor cabled pickups can be switched for tonal variations.

Double-Pole Double-Throw mini toggle switch
On-On

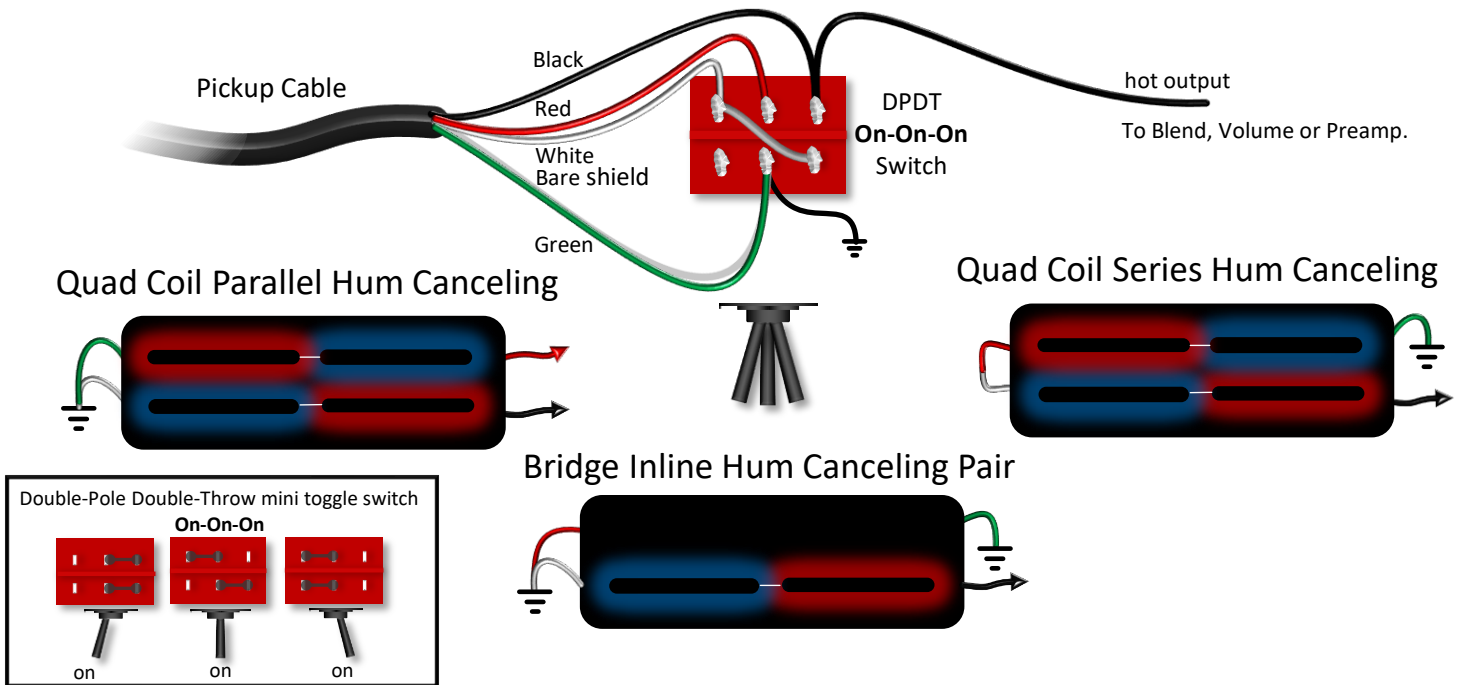


Switch Wiring Diagrams for a Single 2J Squared Pickup with a 4-Conductor Cable

Parallel Hum Canceling / Neck Side Inline Pair / Series Hum Canceling



Parallel Hum Canceling / Bridge Side Inline Pair / Series Hum Canceling



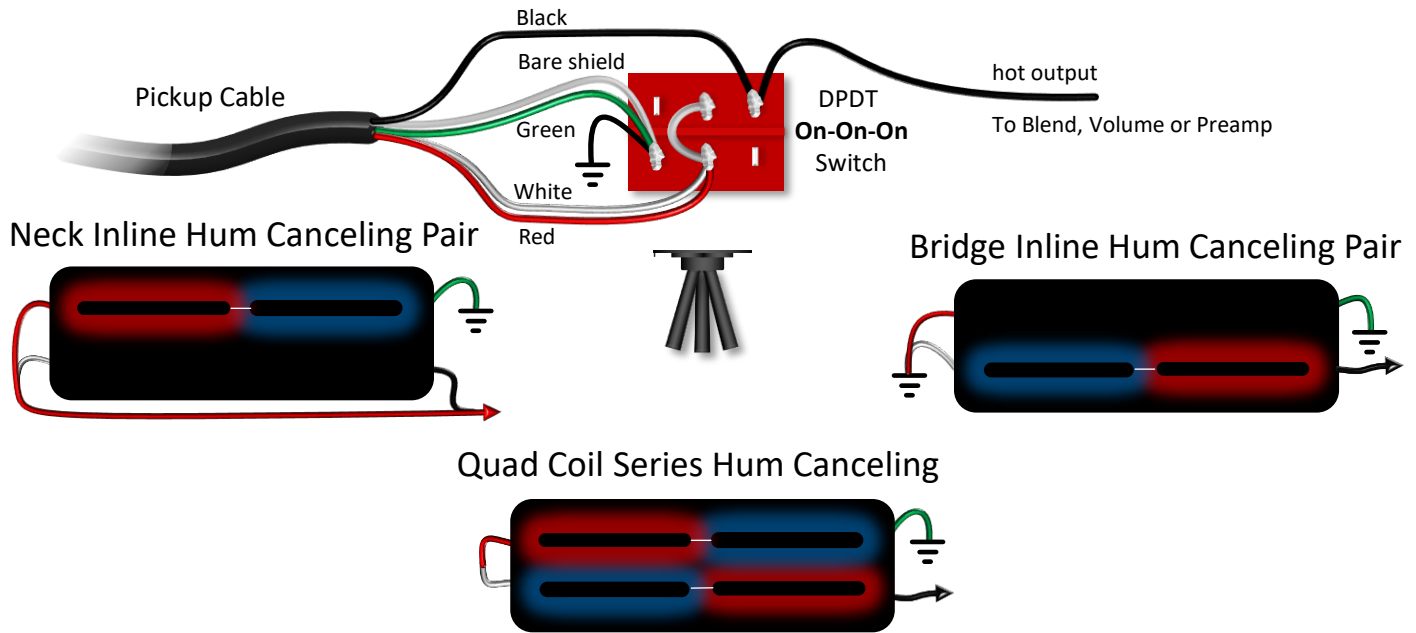
Bridge side coils are **North** magnetic polarity and shown in **red**
Neck side coils are **South** magnetic polarity and shown in **blue**.

⏏ Denotes "ground". Which is connected ultimately to the sleeve terminal on the jack.

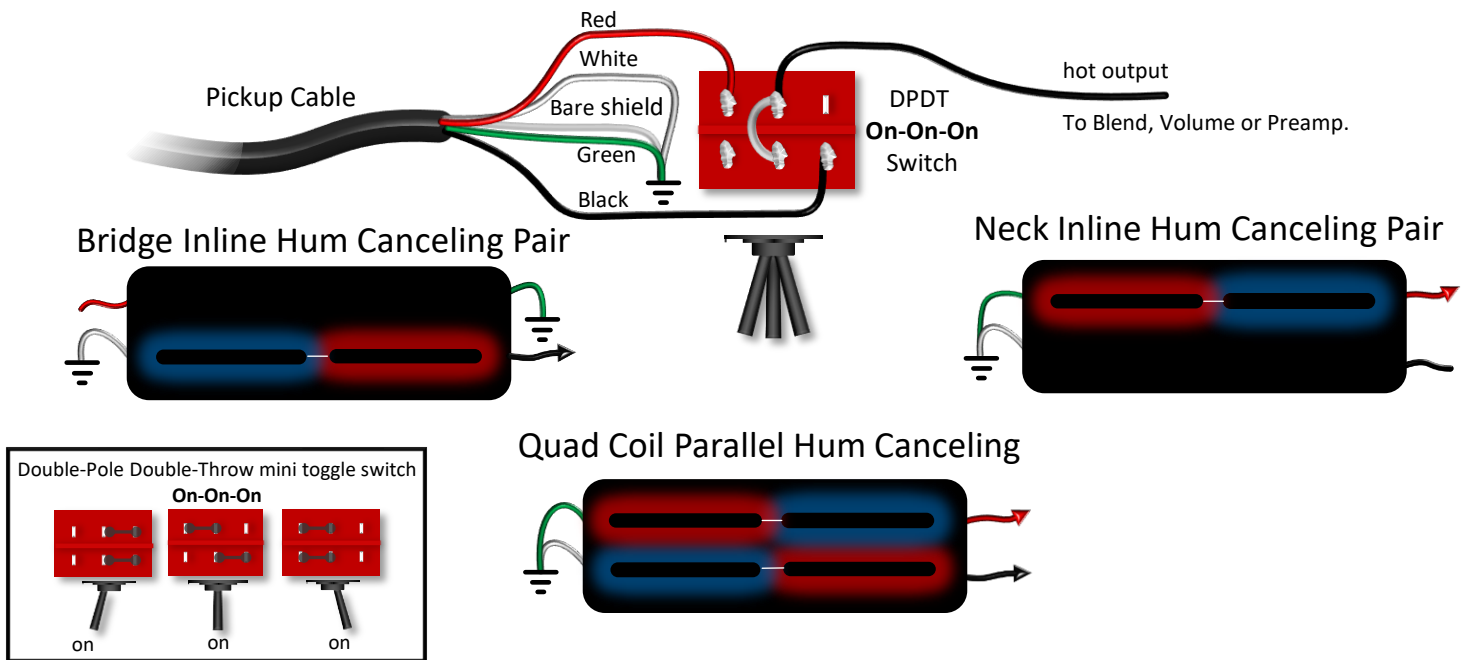
These sample wiring diagrams do not represent what is included with any Bartolini prewired harness or pickup but are only examples of how Bartolini 4-conductor cabled pickups can be switched for tonal variations.

Switch Wiring Diagrams for a Single 2J Squared Pickup with a 4-Conductor Cable

Neck Side Inline Pair/ Series Hum Canceling/ Bridge Side Inline Pair



Bridge Side Inline Pair/ Parallel Hum Canceling/ Neck Side Inline Pair



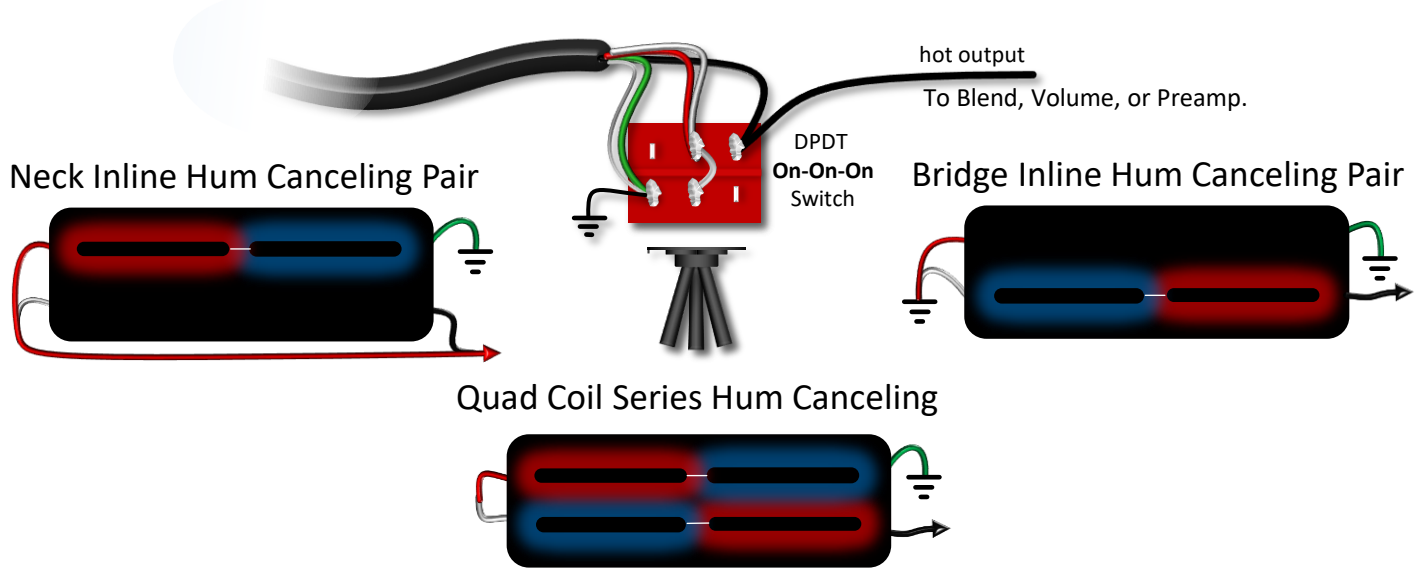
Bridge side coils are **North** magnetic polarity and shown in **red**
Neck side coils are **South** magnetic polarity and shown in **blue**.

⏏ Denotes "ground". Which is connected ultimately to the sleeve terminal on the jack.

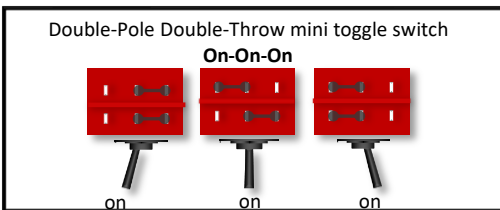
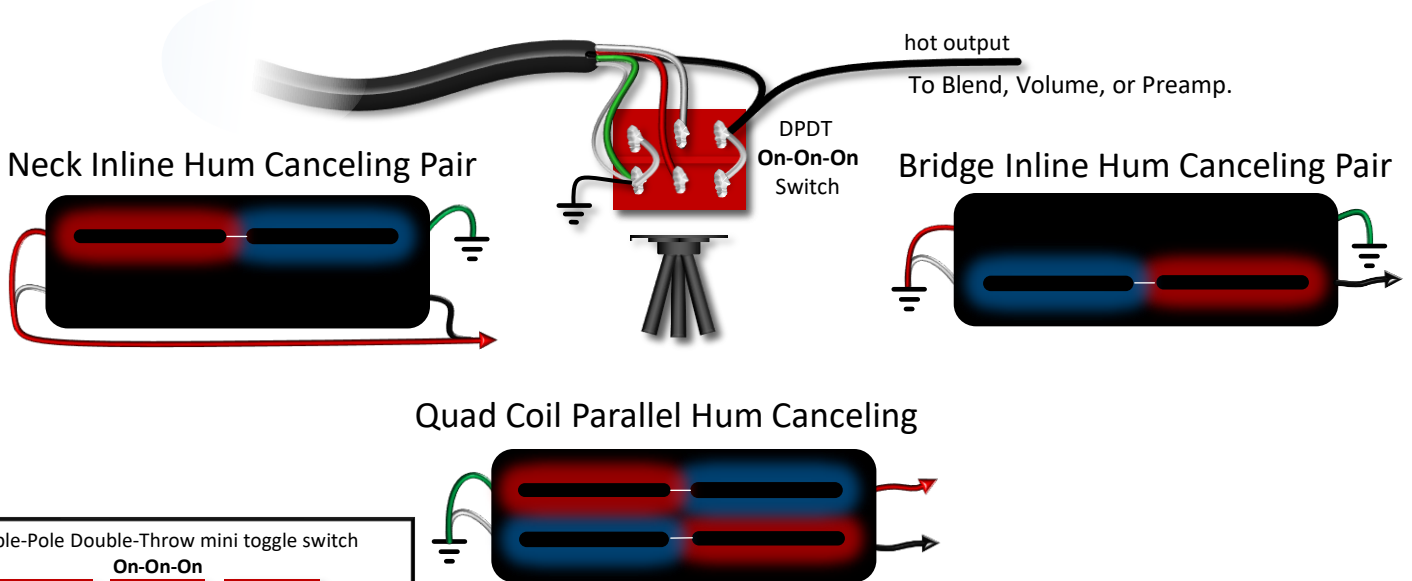
These sample wiring diagrams do not represent what is included with any Bartolini prewired harness or pickup but are only examples of how Bartolini 4-conductor cabled pickups can be switched for tonal variations.

Switch Wiring Diagrams for a Single 2J Squared Pickup with a 4-Conductor Cable
Alternate diagrams for Inline Pairs/Series and Inline Pairs/Parallel

Neck Inline Pair/Quad Coil Series Hum Canceling/Bridge Inline Pair



Neck Inline Pair/Quad Coil Parallel Hum Canceling/Bridge Inline Pair



The bridge inline pairs and the neck inline pairs are connected internally and can not be altered. All combinations are totally hum canceling

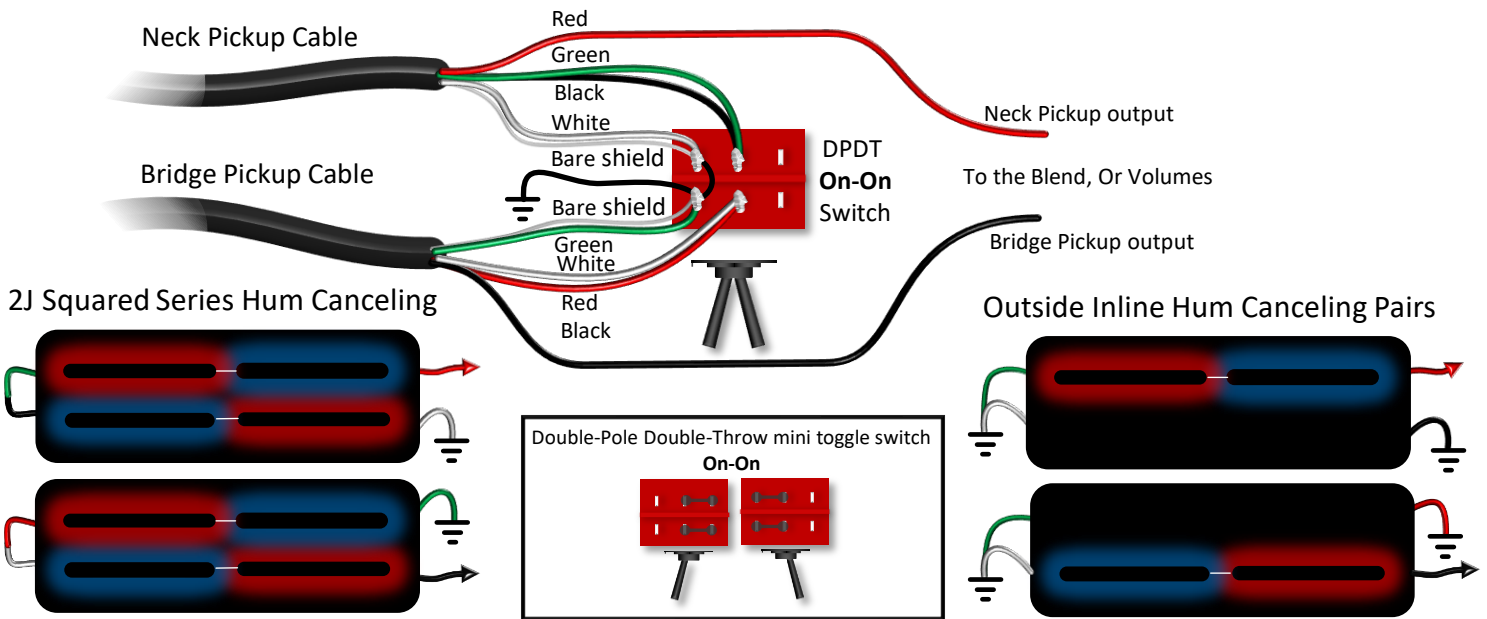
Coils with **North** magnetic polarity and shown in **red**
Coils with **South** magnetic polarity and shown in **blue**.

Denotes "ground". Which is connected ultimately to the sleeve terminal on the jack.

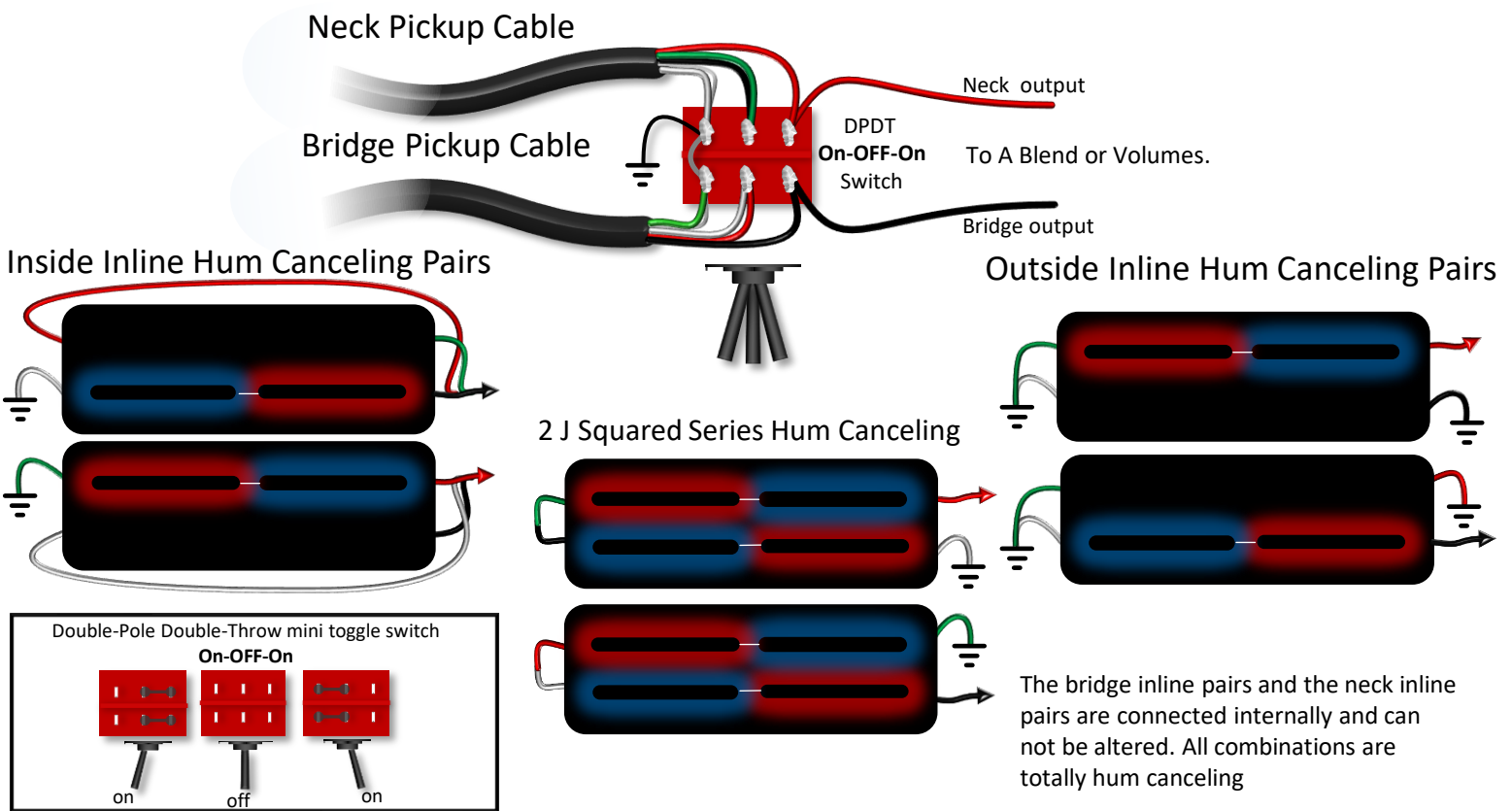
These sample wiring diagrams do not represent what is included with any Bartolini prewired harness or pickup but are only examples of how Bartolini 4-conductor cabled pickups can be switched for tonal variations.

Switch Wiring Diagram for a Pair of 2J Squared Pickups with a 4-Conductor Cable

Series Hum Canceling / Outer Single Coils



Inner Pairs/ Series Hum Canceling/ Outer Pairs



Coils with **North** magnetic polarity and shown in **red**
 Coils with **South** magnetic polarity and shown in **blue**.

Denotes "ground". Which is connected ultimately to the sleeve terminal on the jack.

These sample wiring diagrams do not represent what is included with any Bartolini prewired harness or pickup but are only examples of how Bartolini 4-conductor cabled pickups can be switched for tonal variations.