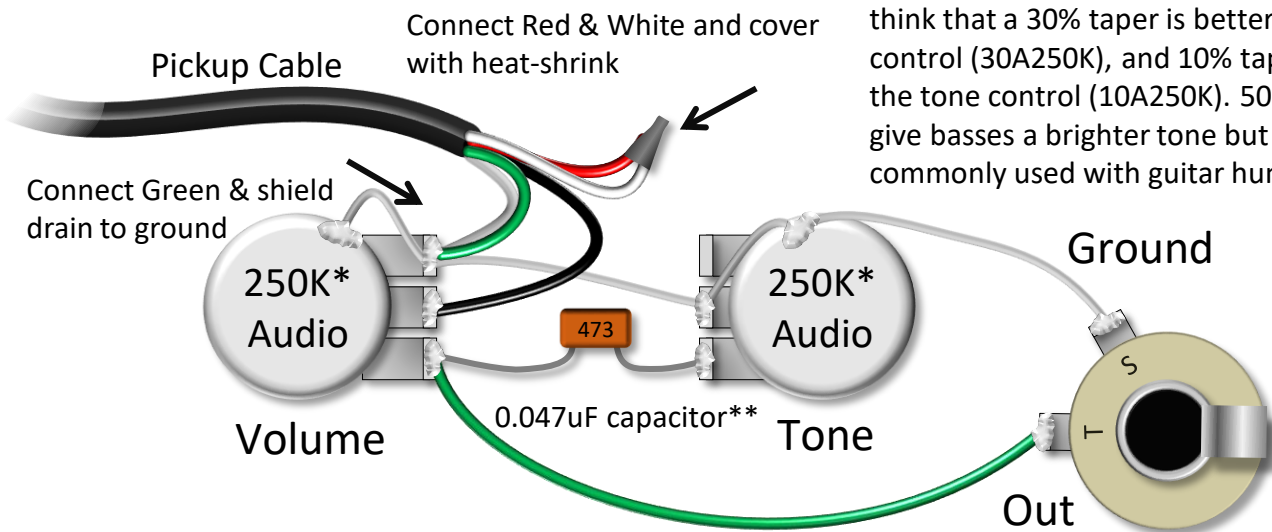


Single 4-Conductor Pickup: Passive Setup with Volume and Tone

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.

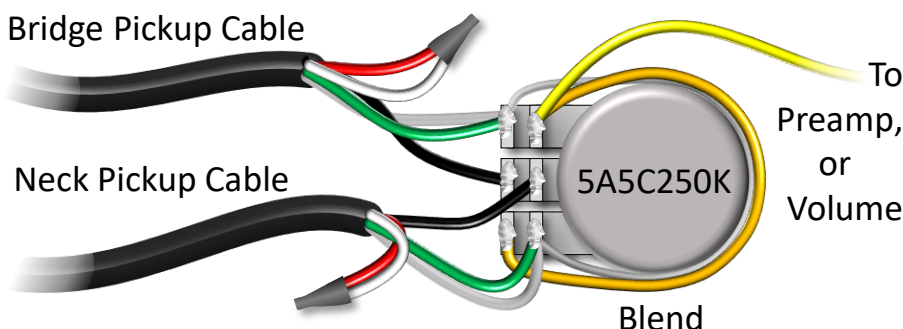
Most Bartolini pickups can be used with standard passive tone and volume controls. The diagram below is a very simple setup for passive tone and volume for a single pickup using 4-conductor cable. This will connect the pickup coils in series hum canceling for the fullest output.

*Most audio-taper pots use a 15% taper. We think that a 30% taper is better for the volume control (30A250K), and 10% taper is better for the tone control (10A250K). 500KΩ pots will give basses a brighter tone but are more commonly used with guitar humbucker pickups.



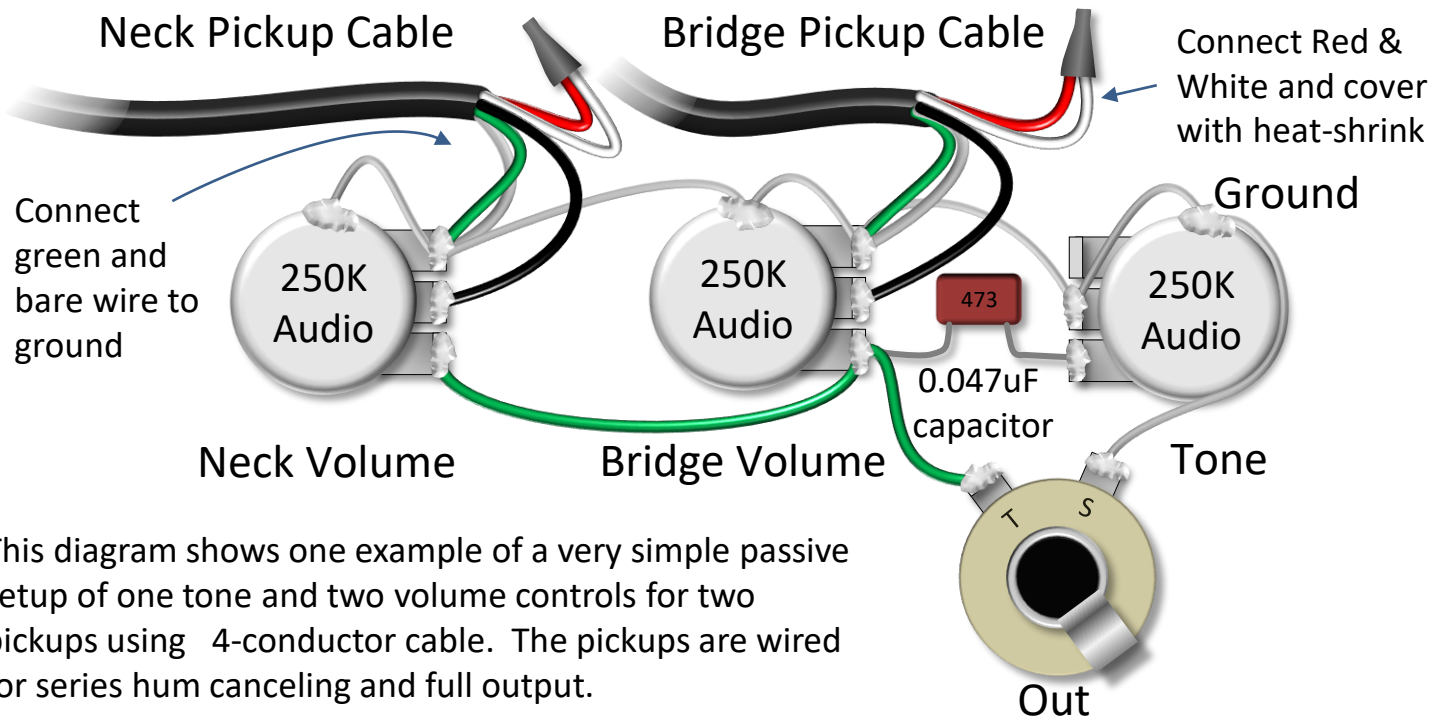
A capacitor of lower value will provide brighter tone. For bass common values are between **0.068µF (darkest tone) and 0.022µF (brightest tone), and for guitars between 0.033µF (dark) and 0.010µF (bright). 250KΩ pots are most common for bass.* 500KΩ pots will give basses a brighter tone but are more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

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



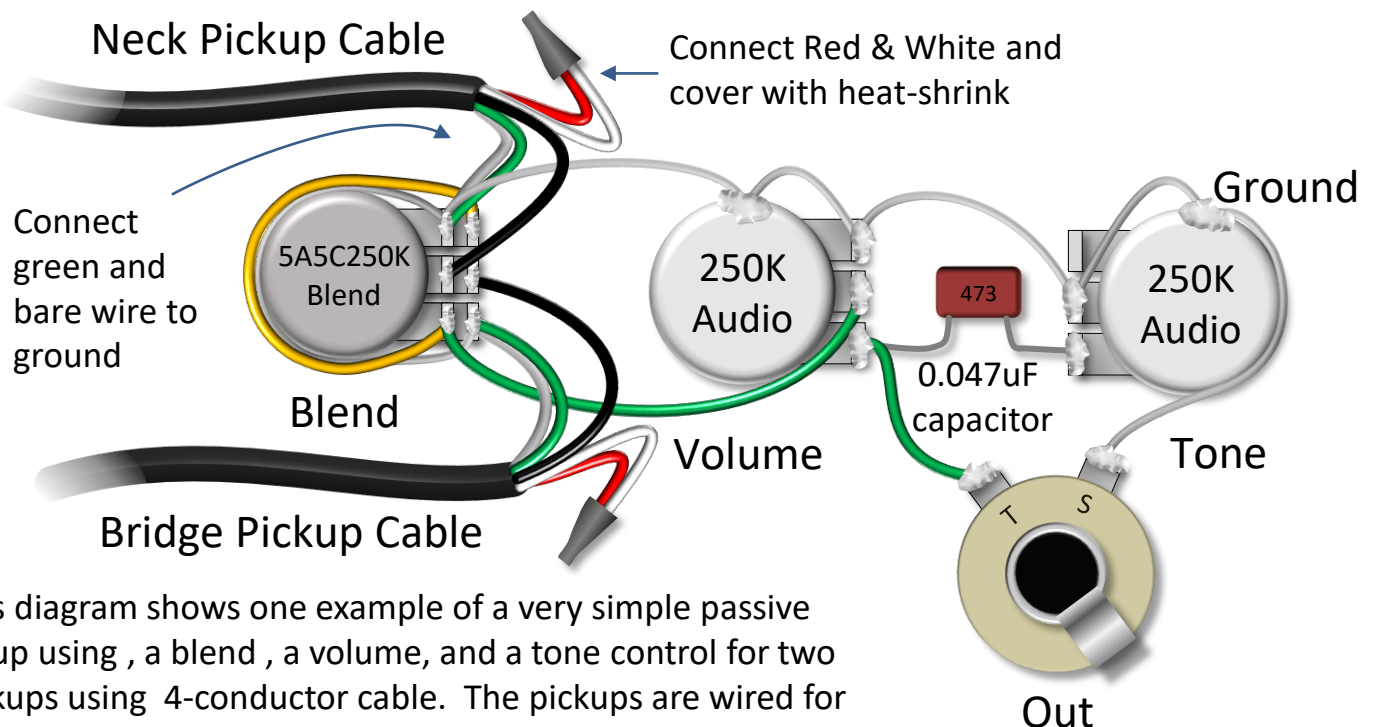
Blend pots may be 5A5C taper or MN taper. 5A5C reduces volume for each pickup slightly at center detent for more even volume overall. MN will be louder at center. Preferences vary. We usually use 5A5C.

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

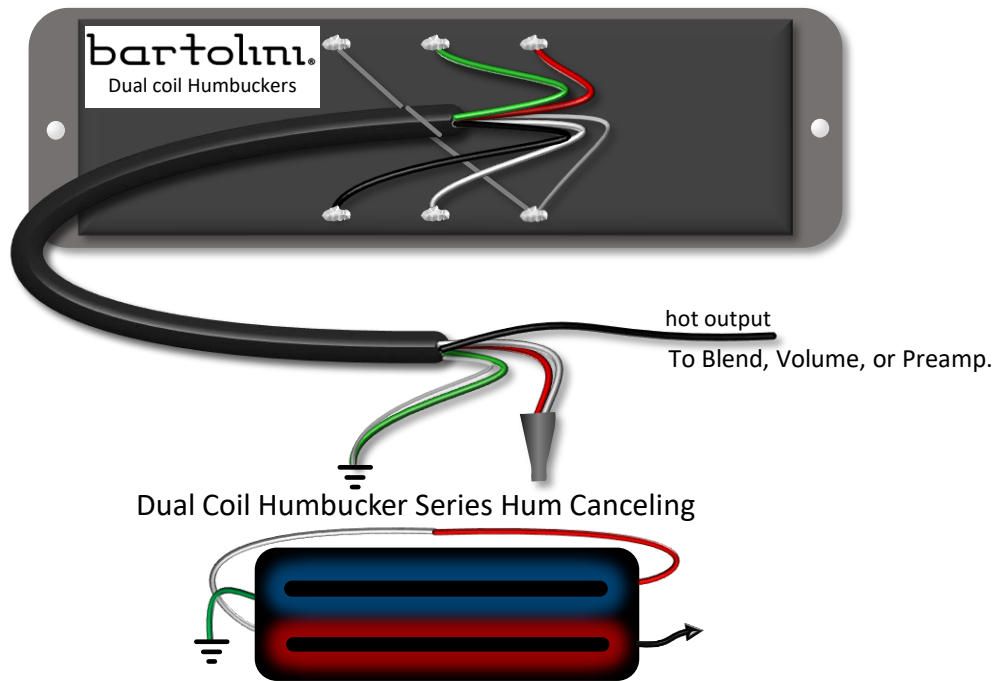


This diagram shows one example of a very simple passive setup using a blend, a volume, and a tone control for two pickups using 4-conductor cable. The pickups are wired for series hum canceling and full output.

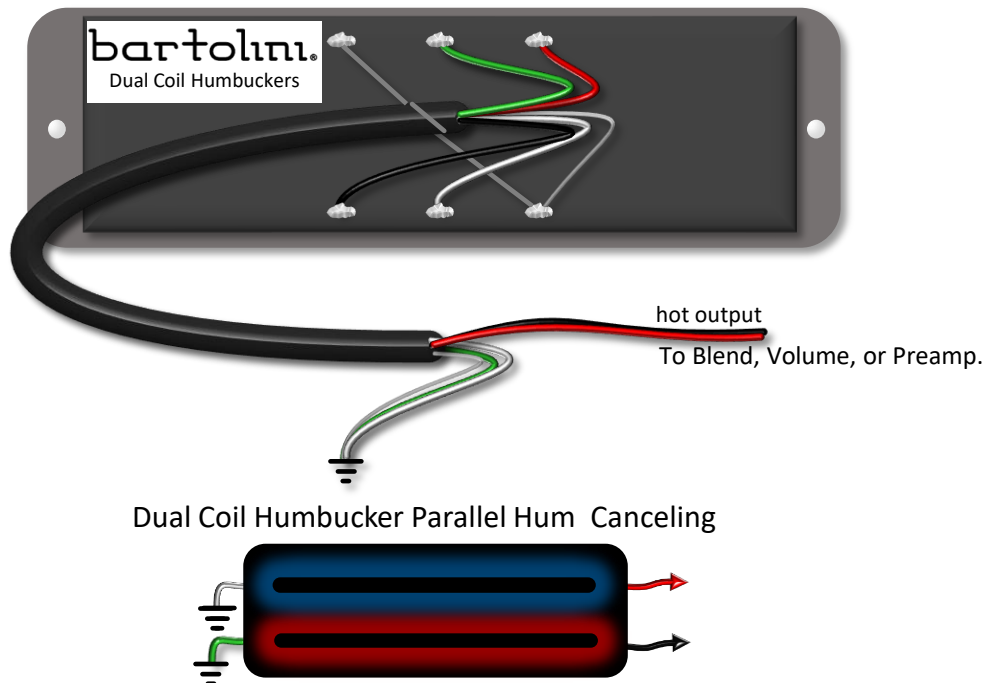
These sample wiring diagrams do not represent what is included with any Bartolini prewired harness or pickup but are only examples of how Bartolini 4-conductor cabled pickups can be switched for tonal variations.

Original and Classic Dual-Coil Humbucker Pickup Wiring Options

Series Hum Canceling



Parallel Hum Canceling



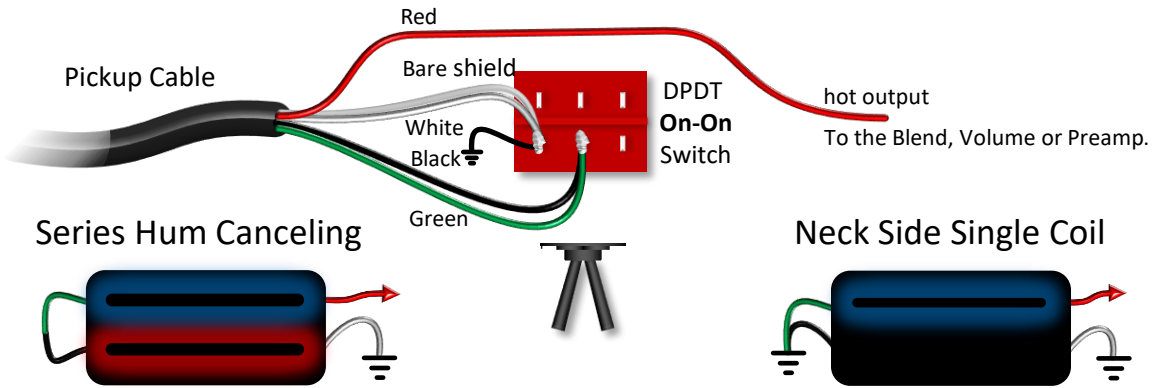
Coils with **North** magnetic polarity and shown in **red**
Coils with **South** magnetic polarity and shown in **blue**.

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

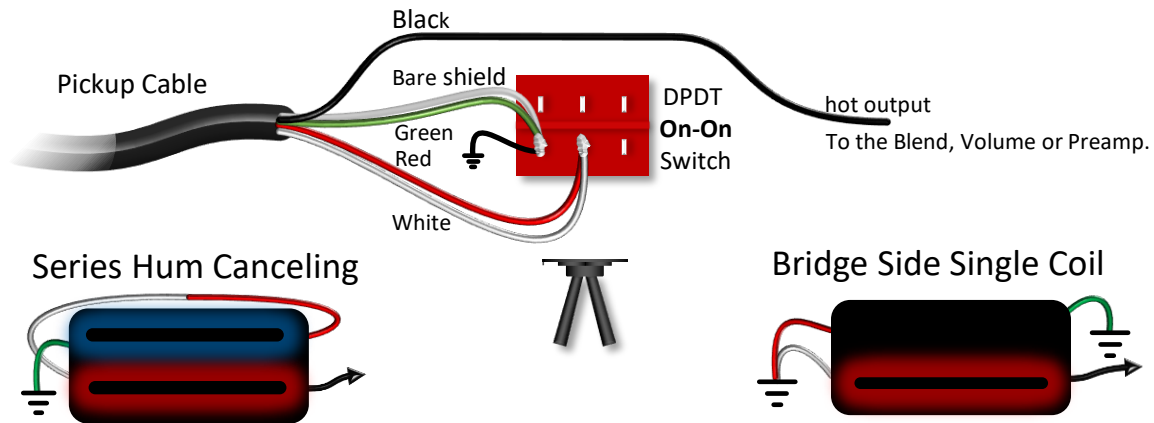
These sample wiring diagrams do not represent what is included with any Bartolini prewired harness or pickup but are only examples of how Bartolini 4-conductor cabled pickups can be switched for tonal variations.

Switch Wiring Diagrams for a Single Dual Coil Pickup with a 4-Conductor Cable

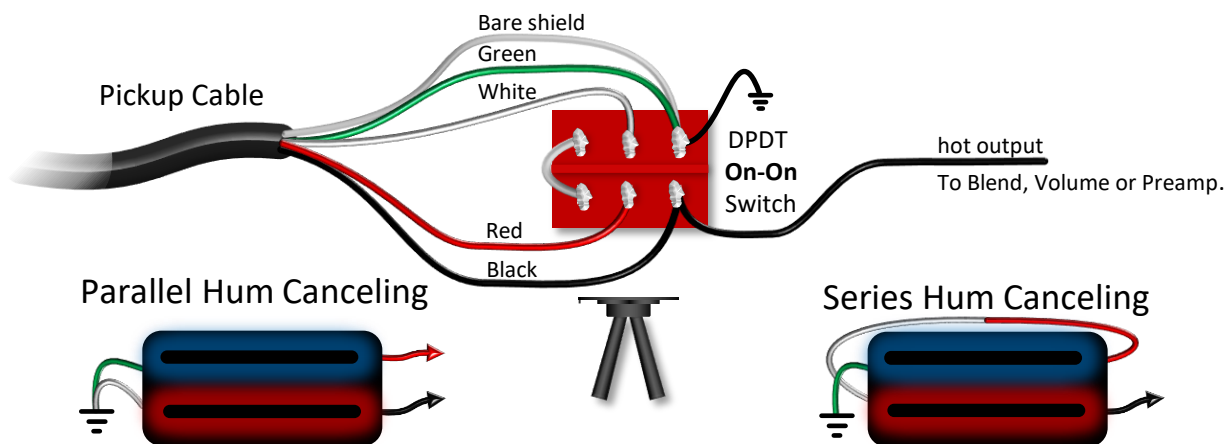
Series Hum Canceling / Neck Side Single Coil



Series Hum Canceling / Bridge Side Single Coil



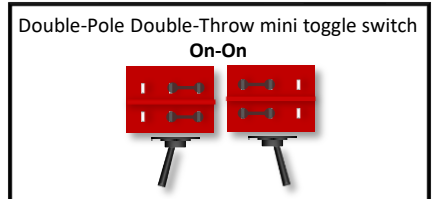
Parallel Hum Canceling / Series Hum Canceling



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

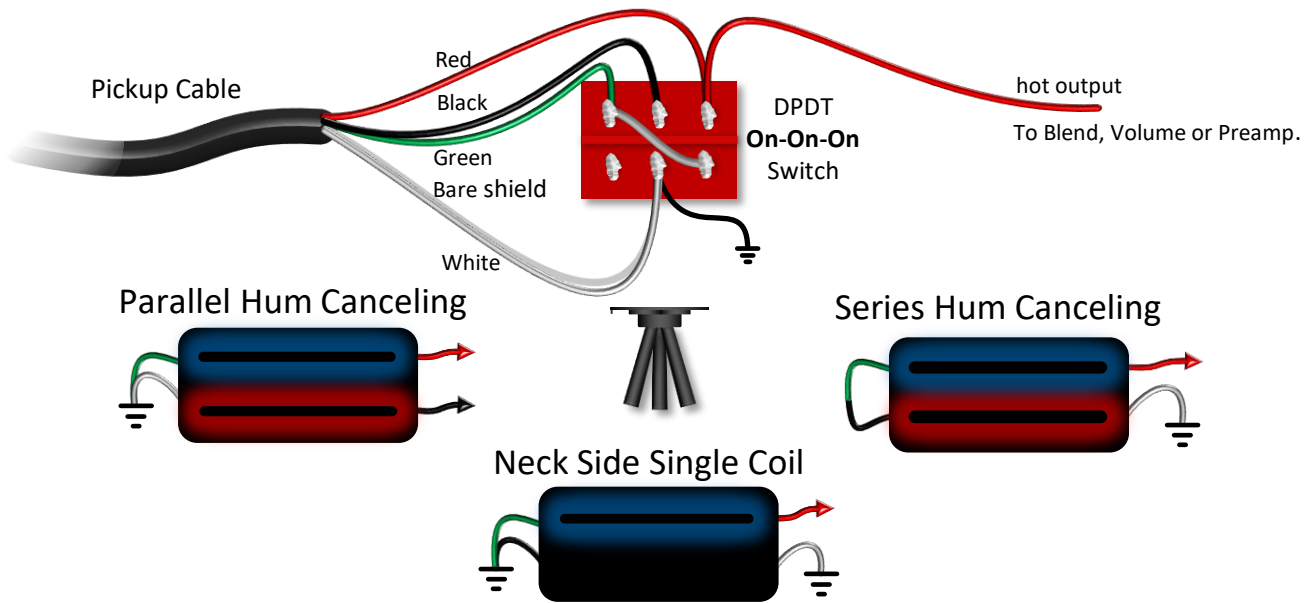
⏏ Denotes "ground". Which is connected ultimately to the sleeve terminal on the jack.

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.

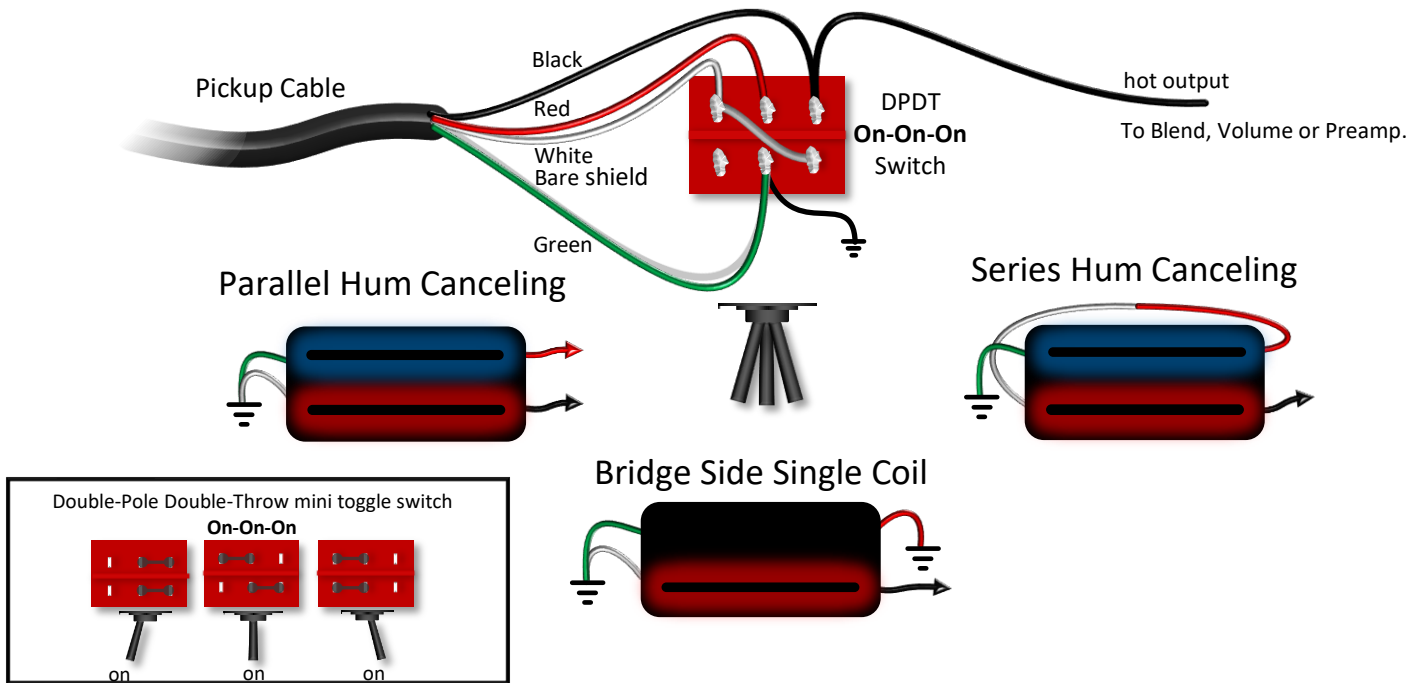


Switch Wiring Diagrams for a Single Dual Coil Pickup with a 4-Conductor Cable

Parallel Hum Canceling / Neck Single Coil/ Series Hum Canceling



Parallel Hum Canceling / Bridge Single Coil/ Series Hum Canceling



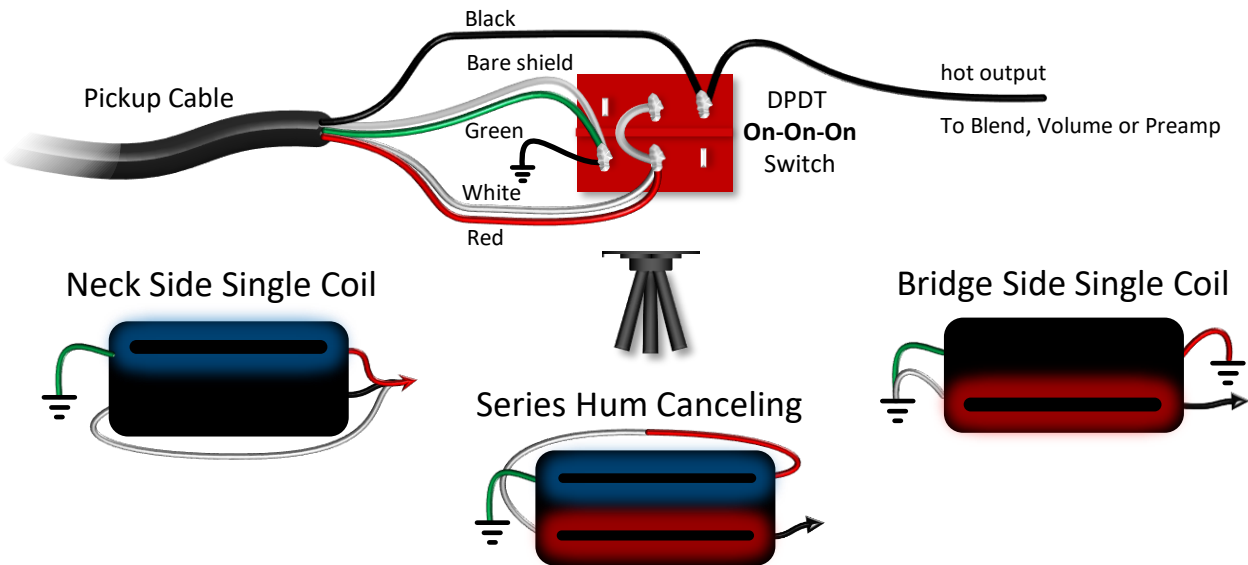
Bridge side coils are **North** magnetic polarity and shown in **red**
 Neck side coils are **South** magnetic polarity and shown in **blue**.

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

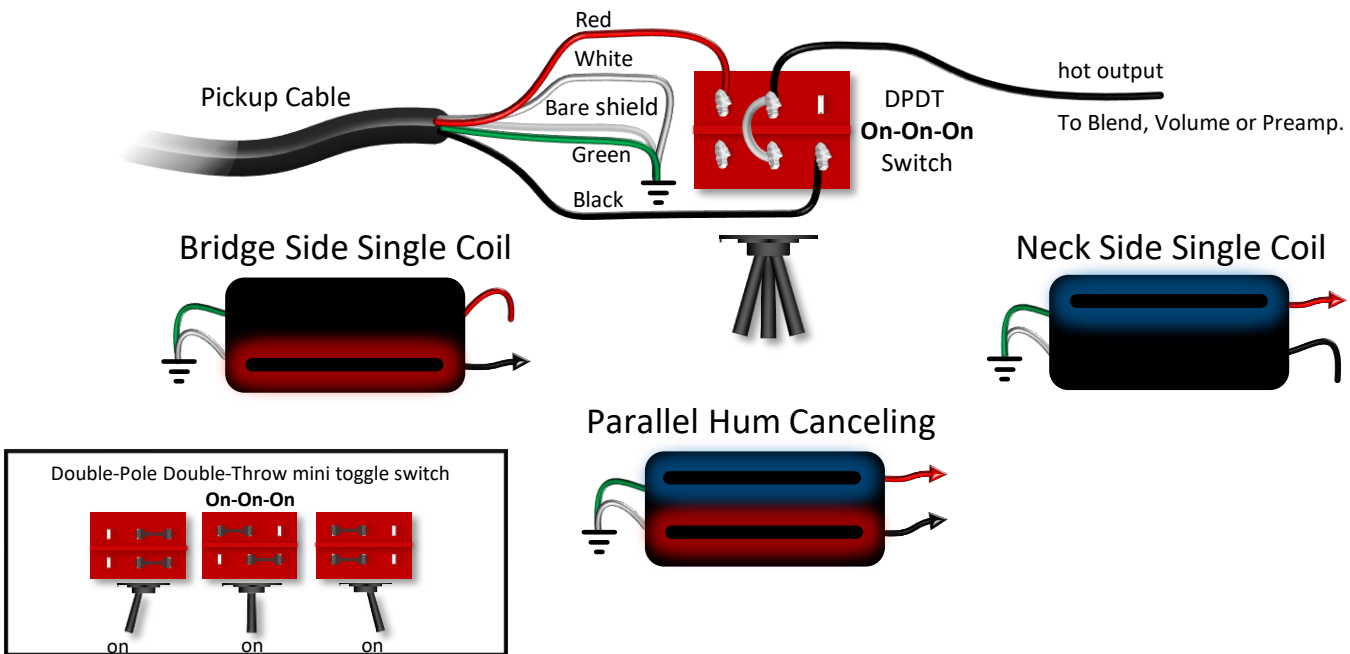
These sample wiring diagrams do not represent what is included with any Bartolini prewired harness or pickup but are only examples of how Bartolini 4-conductor cabled pickups can be switched for tonal variations.

Switch Wiring Diagrams for a Single Dual Coil Pickup with a 4-Conductor Cable

Neck Side Single Coil/ Series Hum Canceling/ Bridge Side Single Coil



Bridge Side Single Coil/ Parallel Hum Canceling/ Neck Side Single Coil



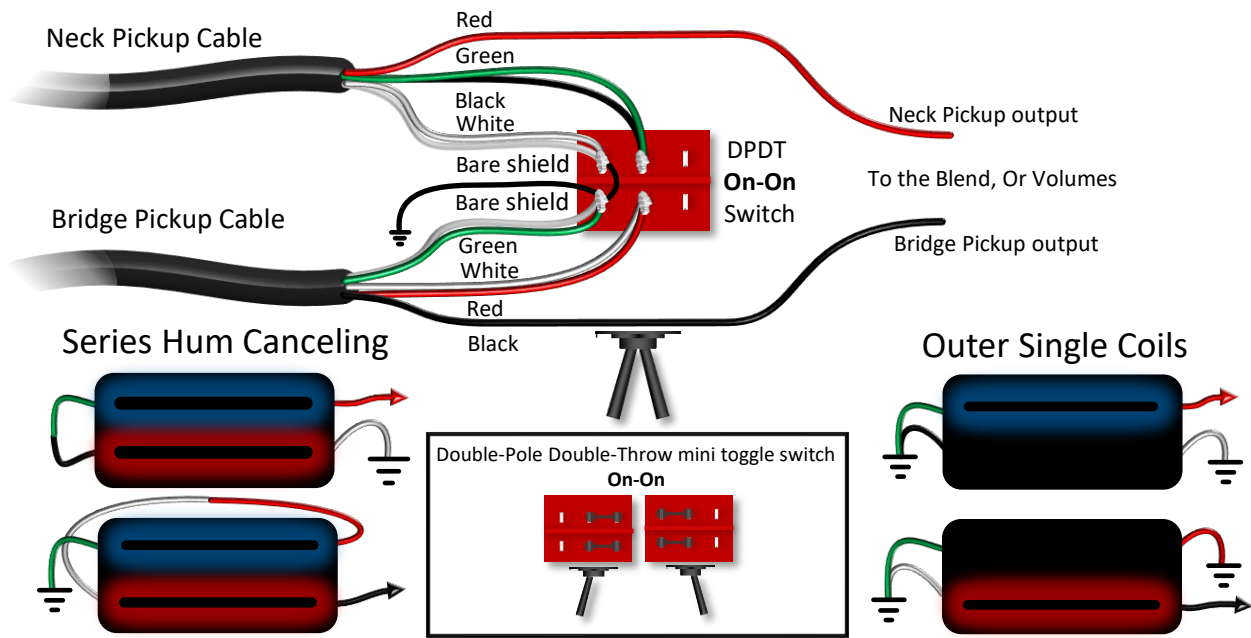
Bridge side coils are **North** magnetic polarity and shown in **red**
 Neck side coils are **South** magnetic polarity and shown in **blue**.

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

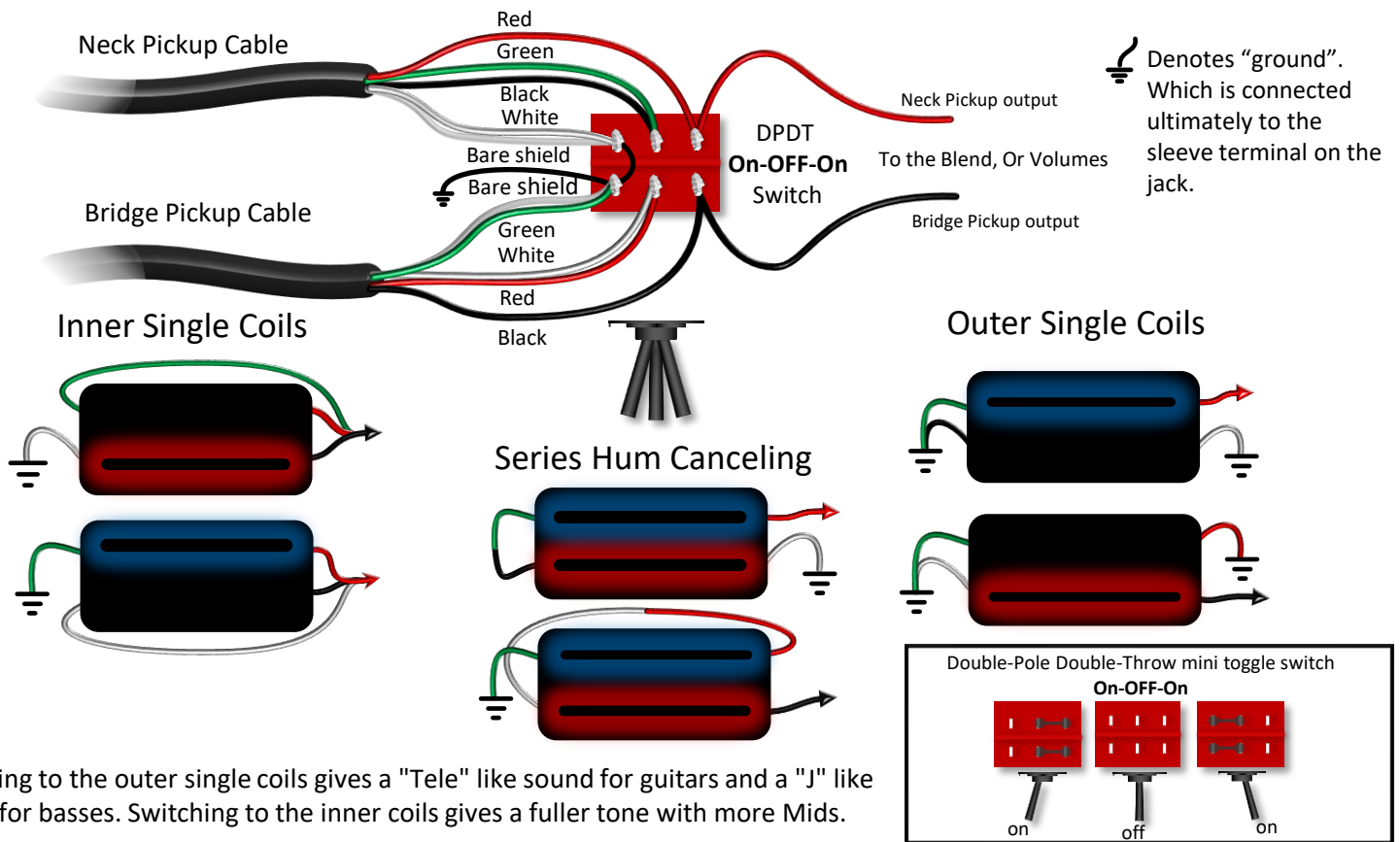
These sample wiring diagrams do not represent what is included with any Bartolini prewired harness or pickup but are only examples of how Bartolini 4-conductor cabled pickups can be switched for tonal variations.

Switch Wiring Diagrams for Two Dual Coil Pickups with 4-Conductor Cables

Series Hum Canceling / Outer Single Coils



Inner Single Coils/ Series Hum Canceling/ Outer Single Coils



Switching to the outer single coils gives a "Tele" like sound for guitars and a "J" like sound for basses. Switching to the inner coils gives a fuller tone with more Mids.

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

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.