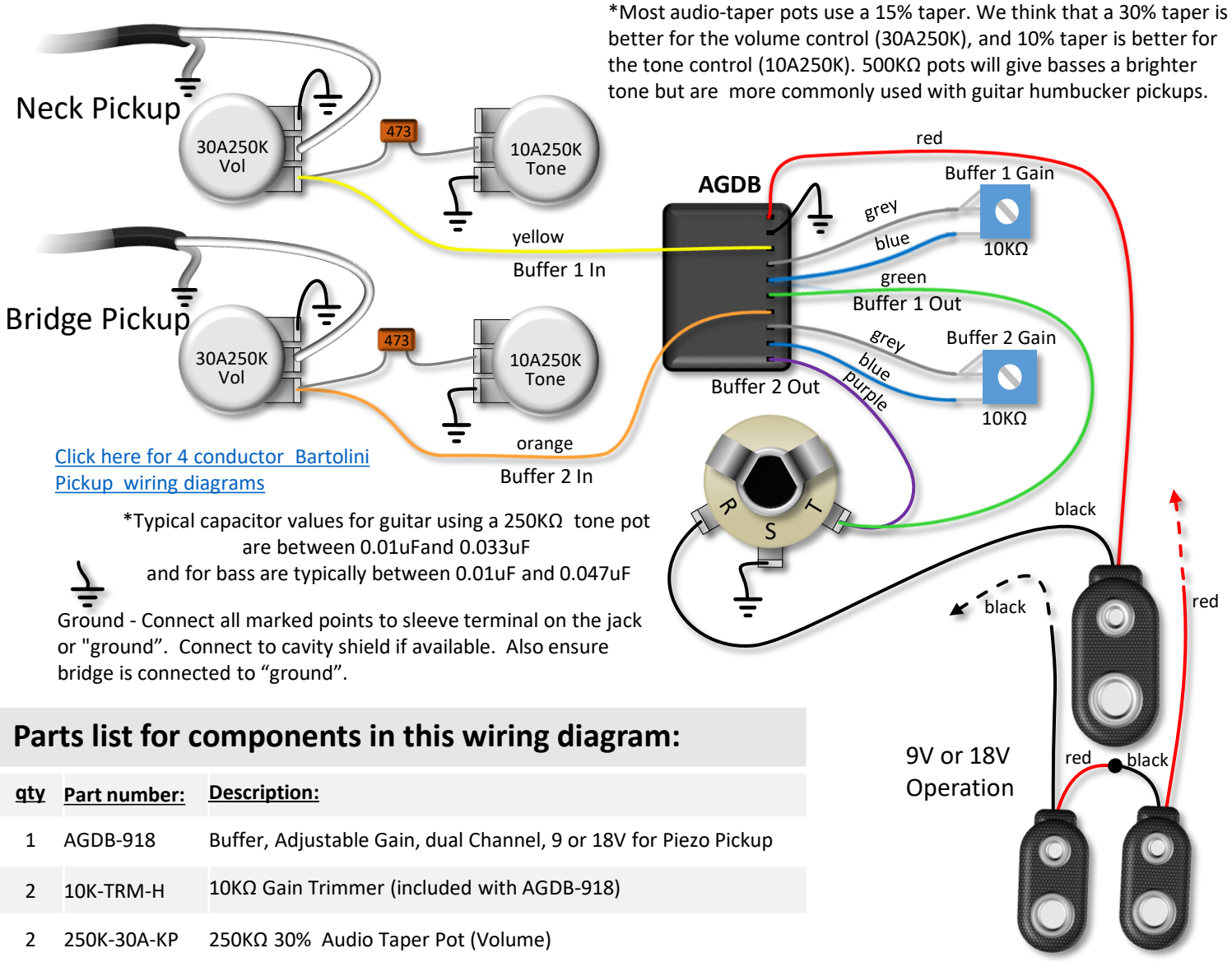
bartolini® PICKUPS AND ELECTRONICS

AGDB/918-2 Passive System

For Two Magnetic Pickups with Passive Volume and Tone controls +9V or +18V

This diagram is an example of how to connect the AGDB to two magnetic pickups using passive controls. Buy running the two circuits through separate buffer channels the volumes and tones are truly isolated and you have independent control over the voice of each pickup. The AGDB allows you to set the gain level of each pickup so they can be balanced perfectly. This is a **fully passive** setup with output isolation, and controlled power, with all the loading of passive volume and tone controls on the pickups.

*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.



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*Typical capacitor values for guitar using a 250KΩ tone pot are between 0.01uFand 0.033uF and for bass are typically between 0.01uF and 0.047uF

Ground - Connect all marked points to sleeve terminal on the jack or "ground". Connect to cavity shield if available. Also ensure bridge is connected to "ground".

Parts list for components in this wiring diagram:

qty	Part number:	Description:
1	AGDB-918	Buffer, Adjustable Gain, dual Channel, 9 or 18V for Piezo Pickup
2	10K-TRM-H	10KΩ Gain Trimmer (included with AGDB-918)
2	250K-30A-KP	250KΩ 30% Audio Taper Pot (Volume)
2	250K-10A-KP	250KΩ 10% Audio Taper Pot (Tone)
2	CAP-473-P	0.047uF capacitor *
1	JACK-TRS-L	¼" Stereo Jack
2*	9V-Clip	9-Volt Battery Clips

The negative side of the battery(ies) should be connected to the jack ring so that power is turned on only when the plug is in. Unplug the instrument when not in use to conserve your battery.

This Sample wiring diagram is not meant to represent what is included with the AGDB918-2 but is only one suggestion of how the AGDB maybe used in an instrument with 2 magnetic pickups. See the product page for details. https://bartolini.net/product/agb/

DO NOT USE MORE THAN 18 VOLT SUPPLY VOLTAGE OR EXTERNAL POWER SUPPLIES