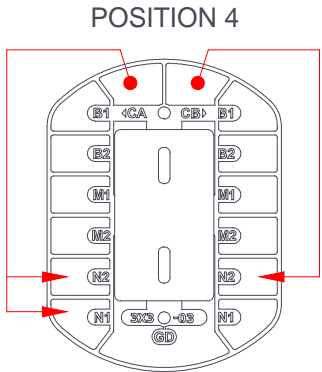


FREE-WAY SWITCH

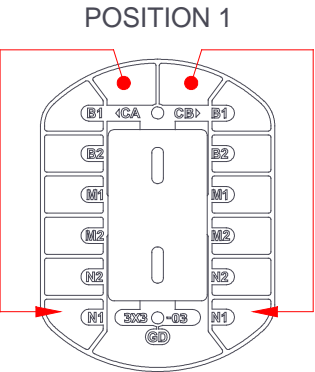
www.froowayswitch.com

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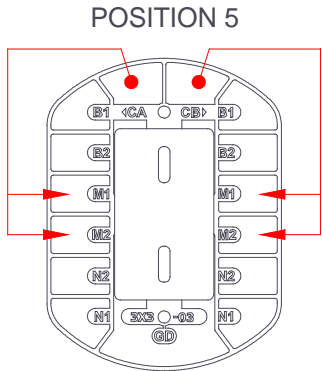


Reverse View of Switch

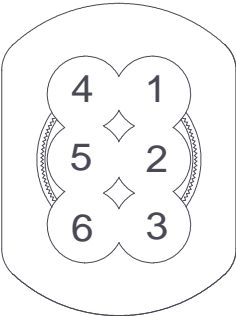
ELECTRICAL FUNCTION
 Two circuits 'A' & 'B' have commons 'CA' and 'CB' each connecting to: B1, B2, M1, M2, N1, N2 (sometimes in combination) in varying switch positions. A & B side switching differs: 'A' combines B1+B2/N1+N2 'B' isolates B1+B2/N1+N2. 'GD' is 'ground' or 'earth'.



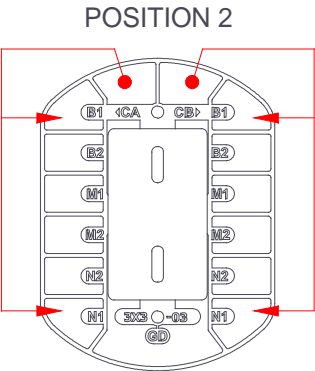
Reverse View of Switch



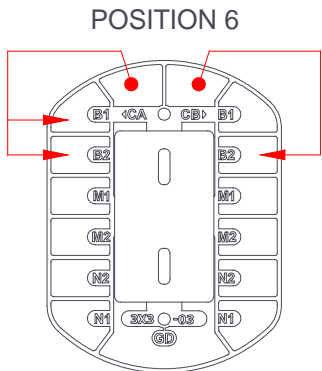
Reverse View of Switch



Top View of Switch

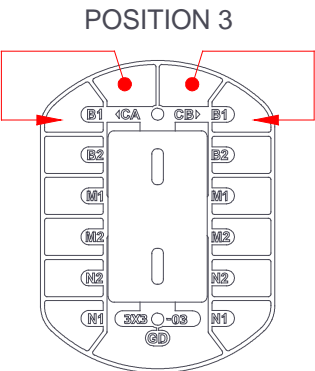


Reverse View of Switch

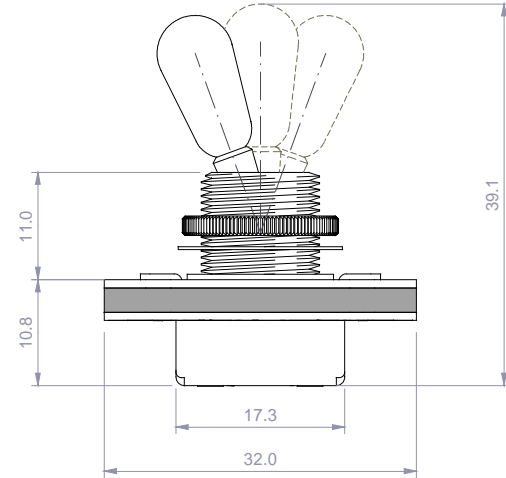
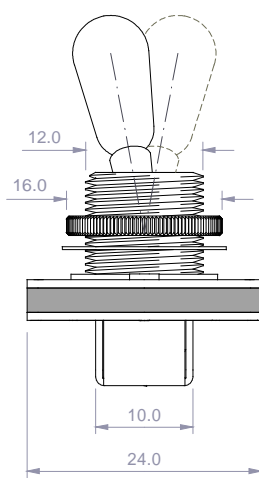


Reverse View of Switch

ELECTRICAL TRANSITION
 'Make Before Break' action in all transitions, except Position 2 to Position 5 where N1 to M2 is 'Break Before Make' on both A & B



Reverse View of Switch

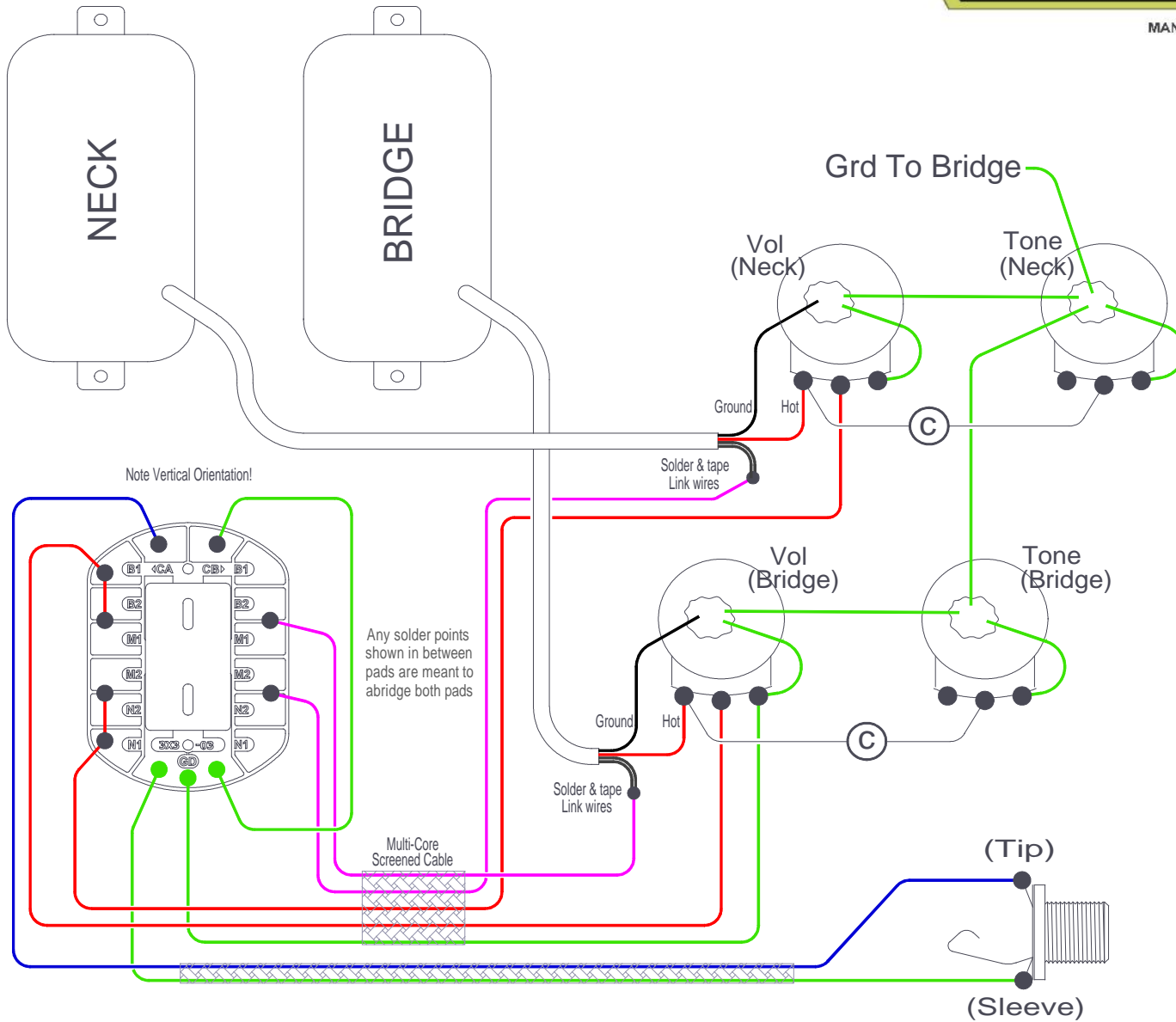


3X3-03 Schematic : Last Updated June 2013

REVERSE VIEW OF PICKUPS, SWITCH AND POTENTIOMETERS.

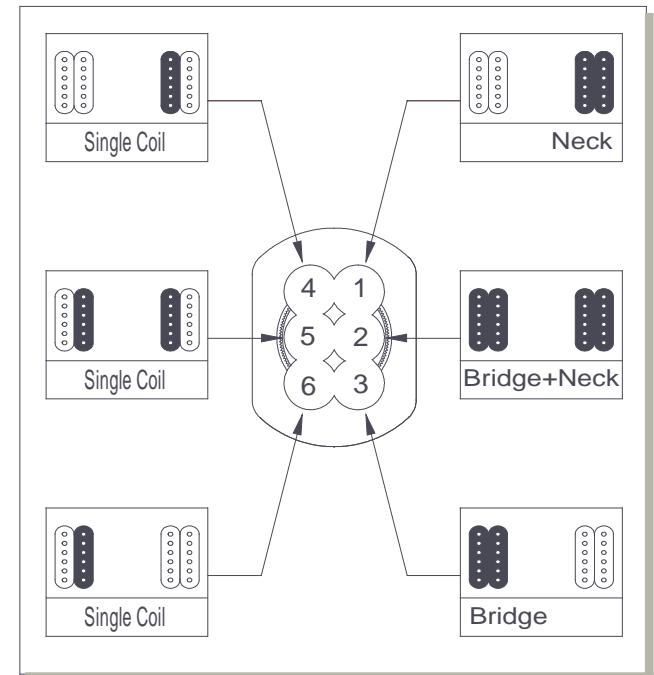


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Notes:-
 Positions 4, 5 & 6 voice the slug coils on normal humbuckers by grounding the coil link connections.
 Use multi-core screened cable between switch and controls on LP-style guitars.
 'Link' wires would normally be connected for series humbucker operation (typically these are North & South finish wires).
 The pickup colour coding shown in this diagram does not represent any particular pickup manufacturer - please follow designations.

FRONT VIEW OF PICKUPS AND SWITCH

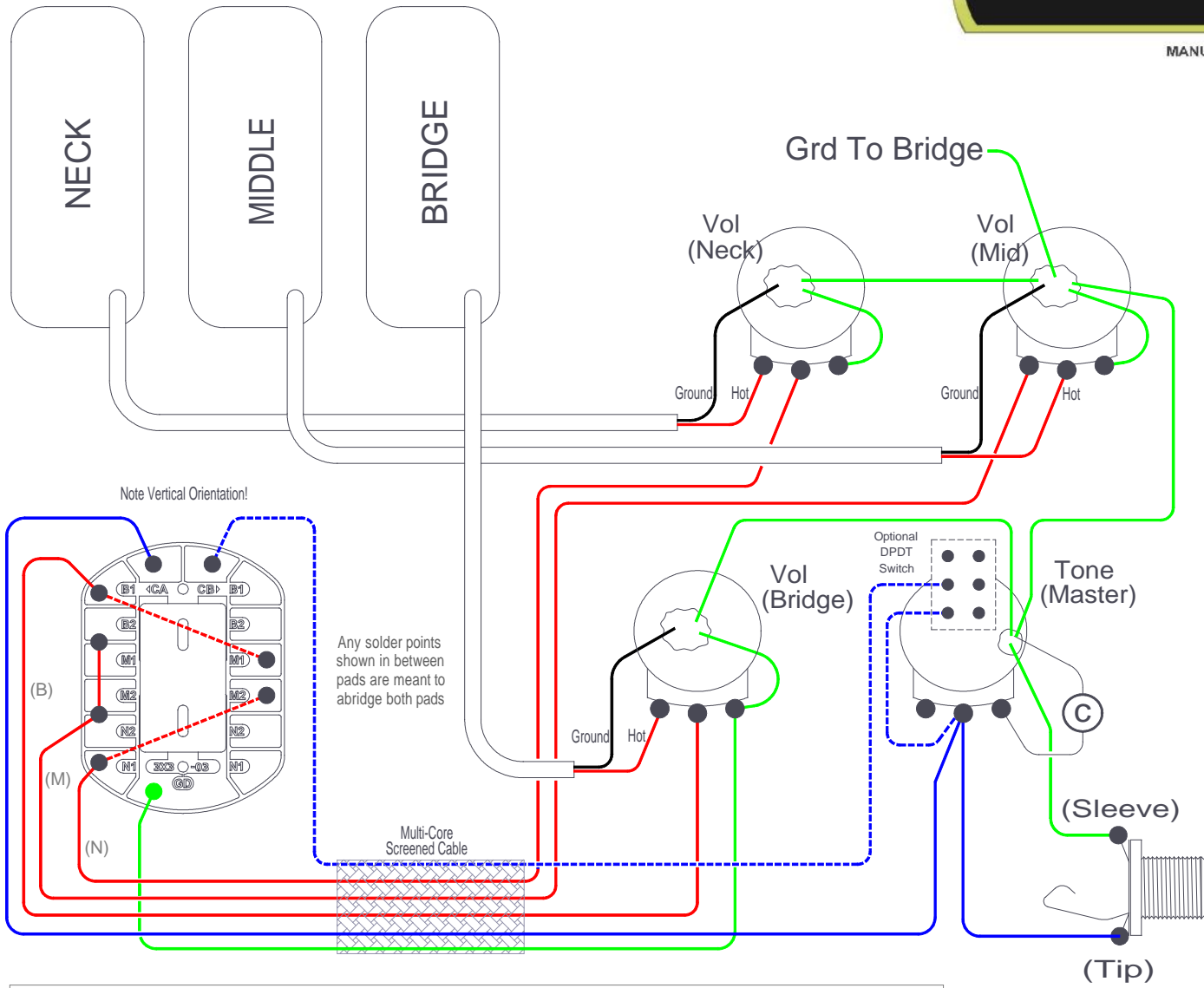


Scheme No 001 : Last Updated June 2013

REVERSE VIEW OF PICKUPS, SWITCH AND POTENTIOMETERS.

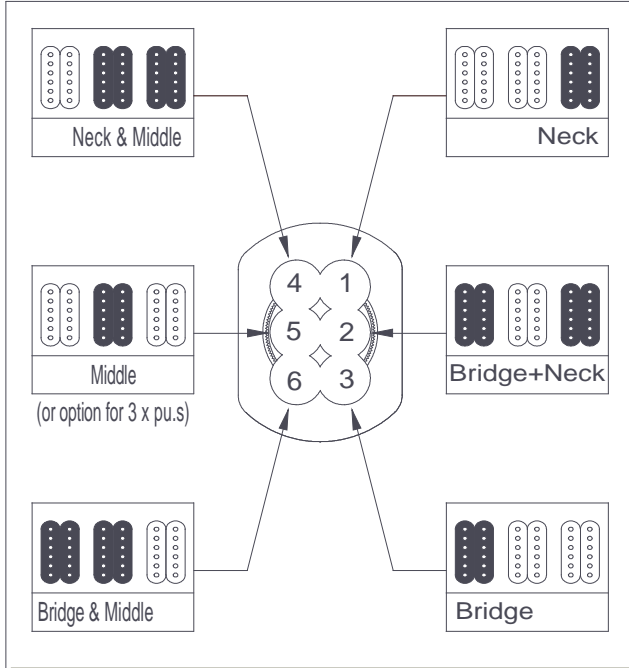


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Notes:-
 Optional Push/Pull Pot affects position 5 only; push in for middle pickup only, pull out for Neck+Middle+Bridge pickups. Omit push/pull pot and dotted wires for middle pickup only in position 5.
 Use multi-core screened cable between switch and controls on LP-style guitars.
 For Humbucker guitars, middle PU is normally reverse phase.
 The pickup colour coding shown in this diagram does not represent any particular pickup manufacturer - please follow designations.

FRONT VIEW OF PICKUPS AND SWITCH



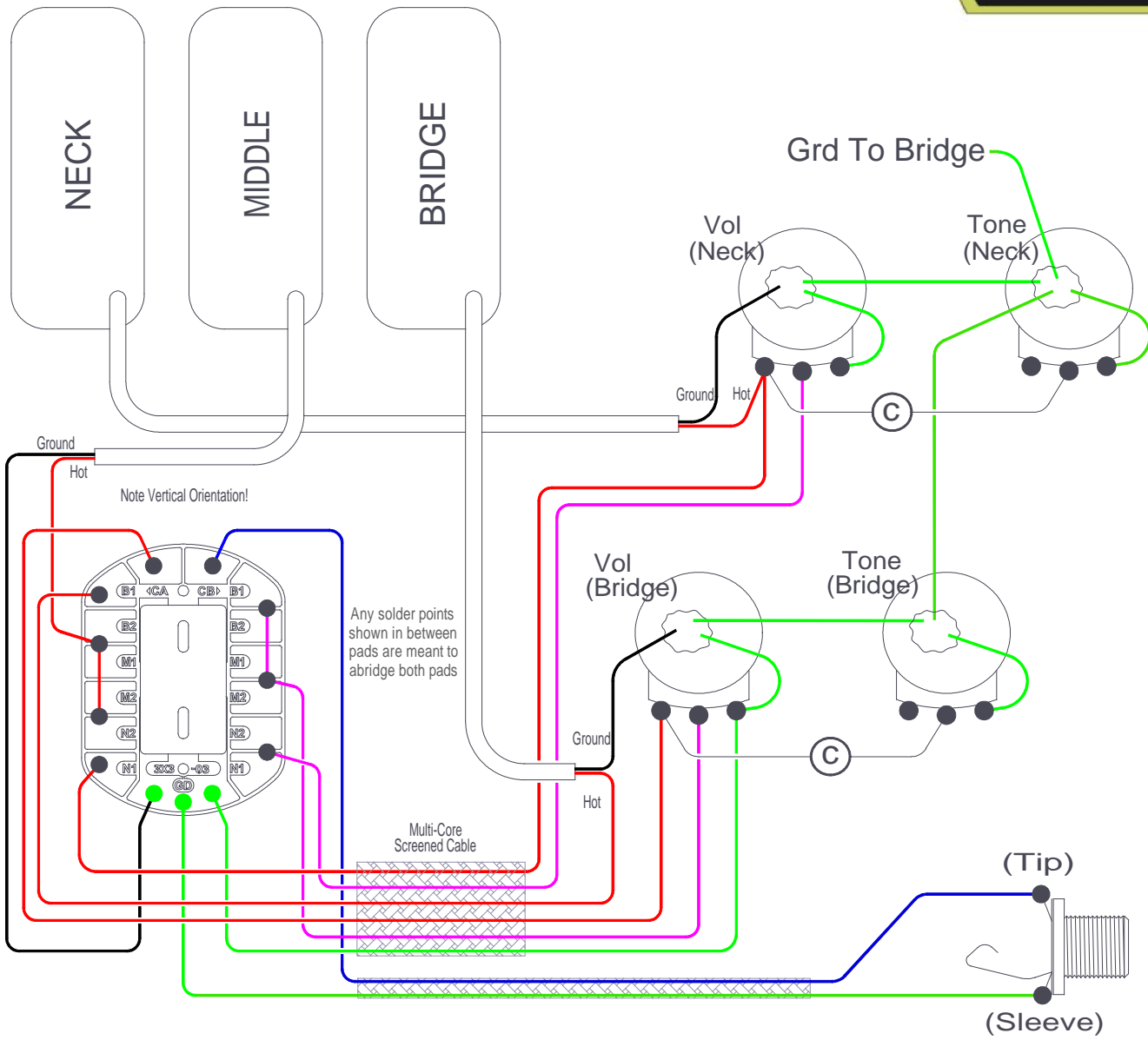
Note: Neck & Bridge Vol controls are 'master' controls in this diagram, so that the Neck Vol mutes the entire output in positions 1,2 & 4 and the Bridge Vol mutes the entire output in position 2,3 & 6. The Middle Vol blends in the Middle Pickup in positions 4, 5 & 6. If more scope for individual pickup blending is preferred, then reverse hot and wiper connections at B Vol and N Vol pots.

Scheme No 002 : Last Updated June 2013

REVERSE VIEW OF PICKUPS, SWITCH AND POTENTIOMETERS.



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Notes:-

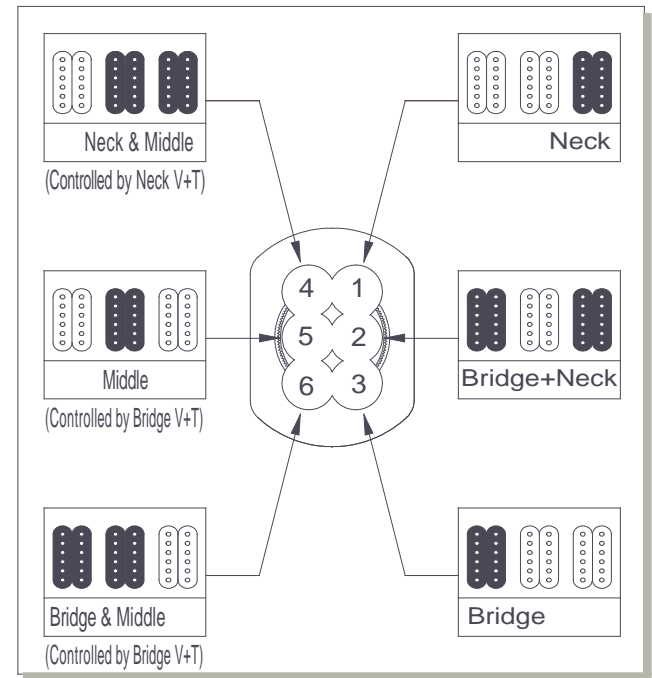
Vol/Tone controls work as normal in positions 1-3. Middle pickup assigned to logical Vol/Tone controls in positions 4-6.

Use multi-core screened cable between switch and controls on LP-style guitars.

For Humbucker guitars, middle PU is normally reverse phase.

The pickup colour coding shown in this diagram does not represent any particular pickup manufacturer - please follow designations.

FRONT VIEW OF PICKUPS AND SWITCH

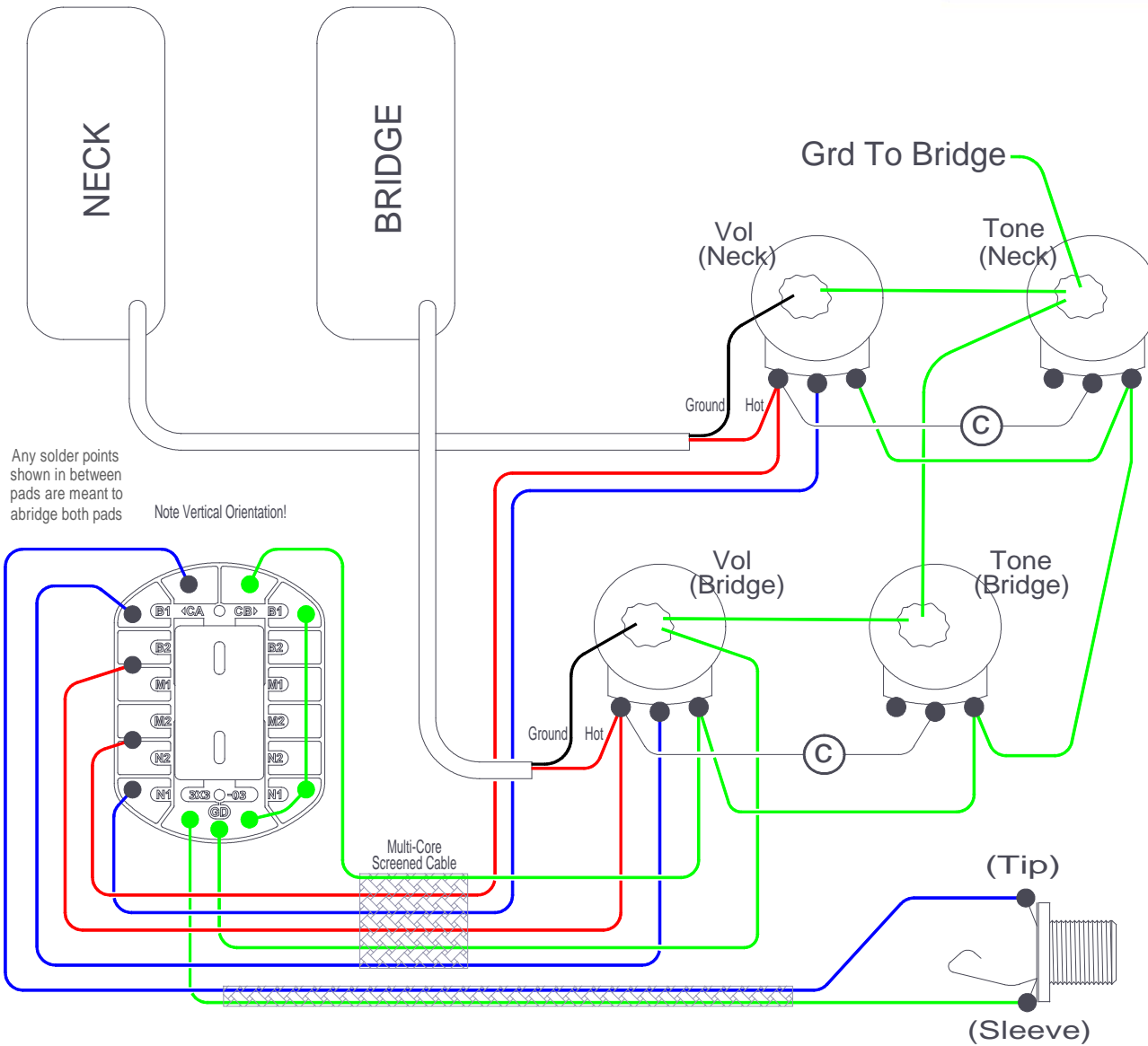


Scheme No 003 : Last Updated June 2013

REVERSE VIEW OF PICKUPS, SWITCH AND POTENTIOMETERS.

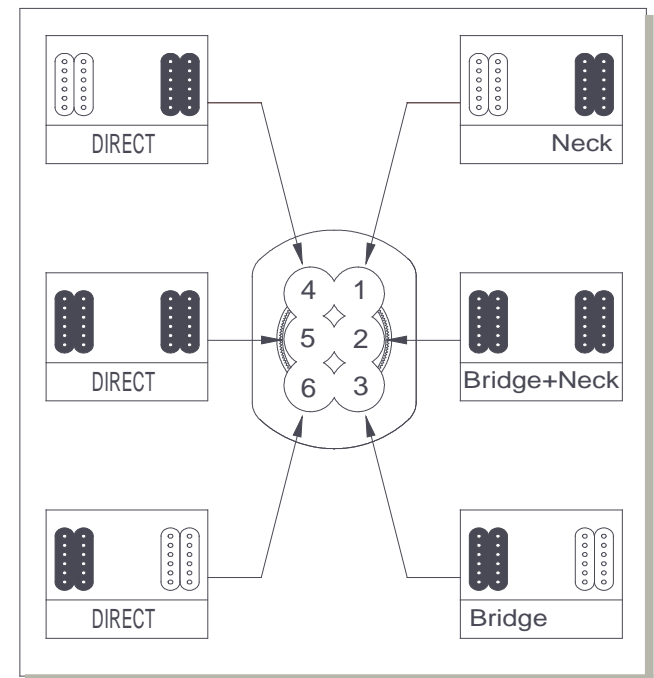


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Notes:-
 Positions 4, 5 & 6 entirely bypass vol and tone controls, connecting pickups directly to the output.
 Hear your pickups wide open for lead, set up precise levels using vol/tone controls for rhythm, or use as a mute-switch.
 Use multi-core screened cable between switch and controls on LP-style guitars.
 The pickup colour coding shown in this diagram does not represent any particular pickup manufacturer - please follow designations.

FRONT VIEW OF PICKUPS AND SWITCH



Scheme No 004 : Last Updated June 2013

