

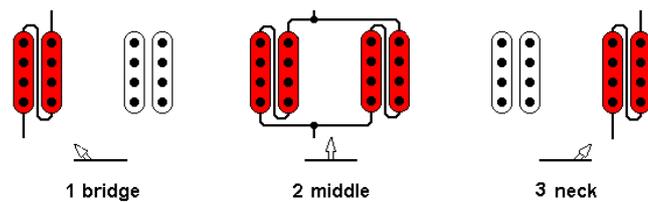
MM: Zwei Humbucker

Circuit MM1

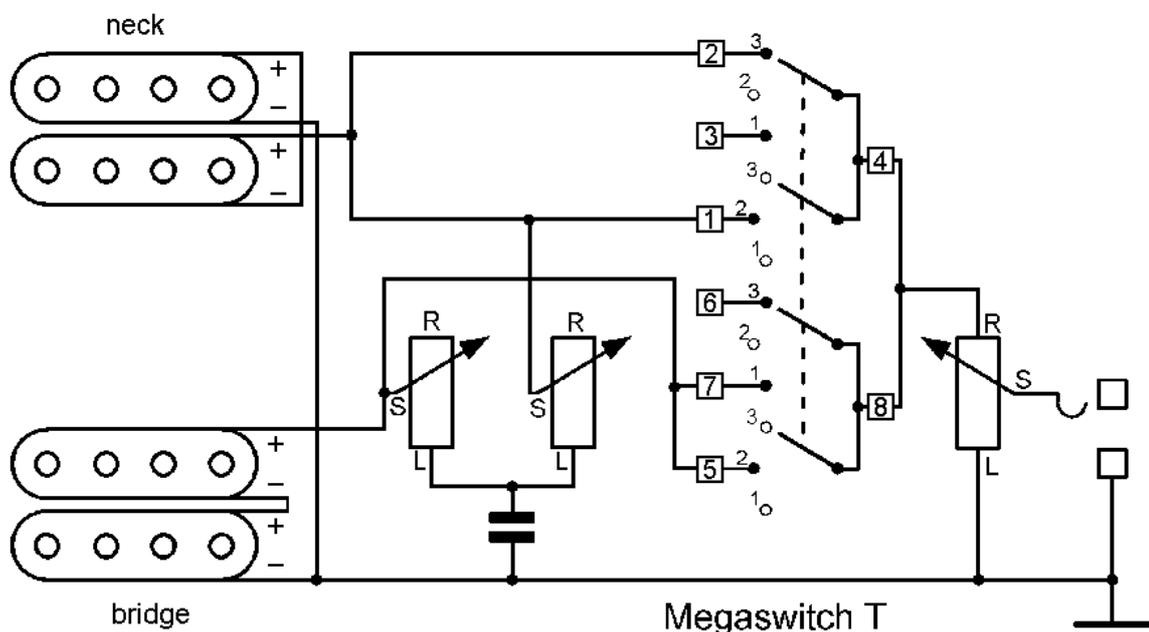
The simplest circuit enables individual and parallel operation of the two pickups here with two tone controls.

1. Bridge humbucker
2. Bridge humbucker and neck parallel
3. Neck humbucker

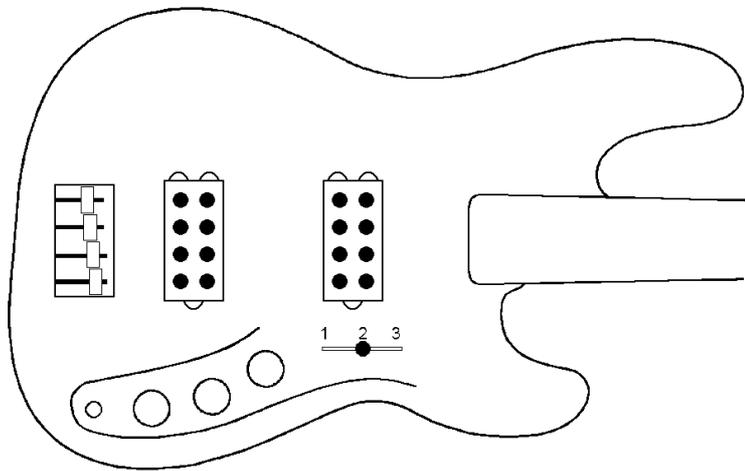
Switching functions



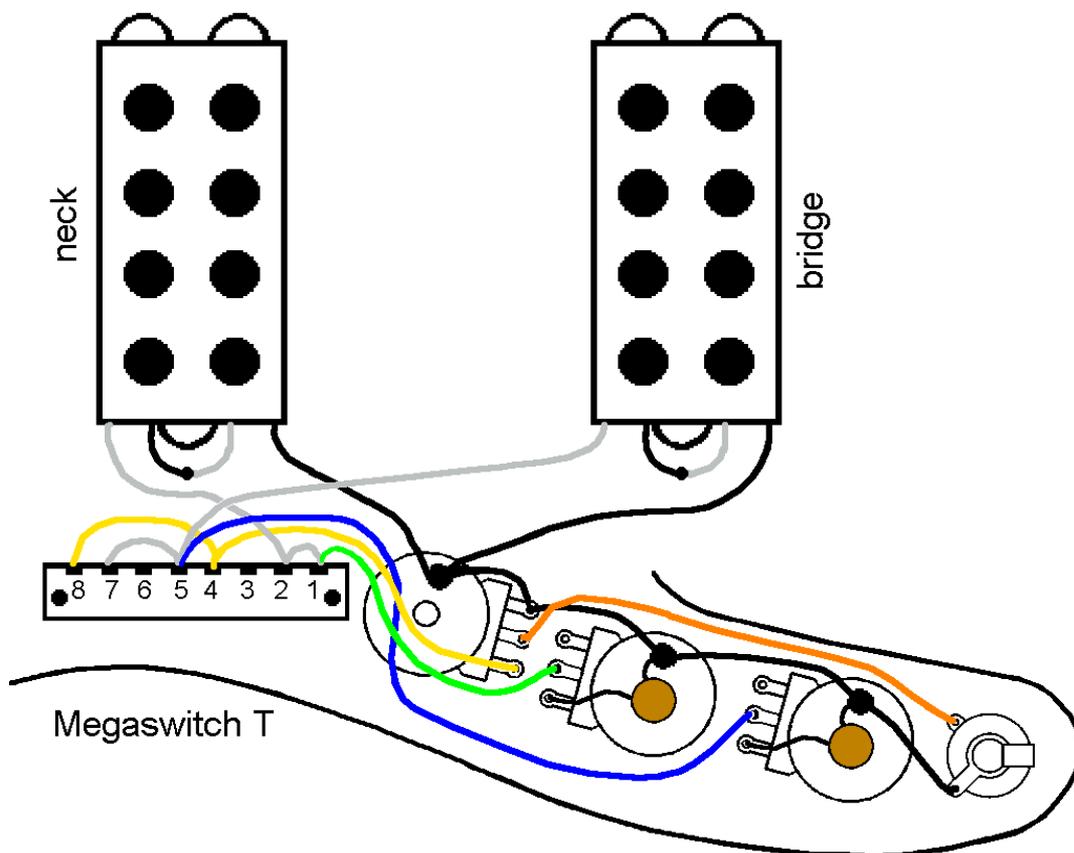
Electrical switching principle



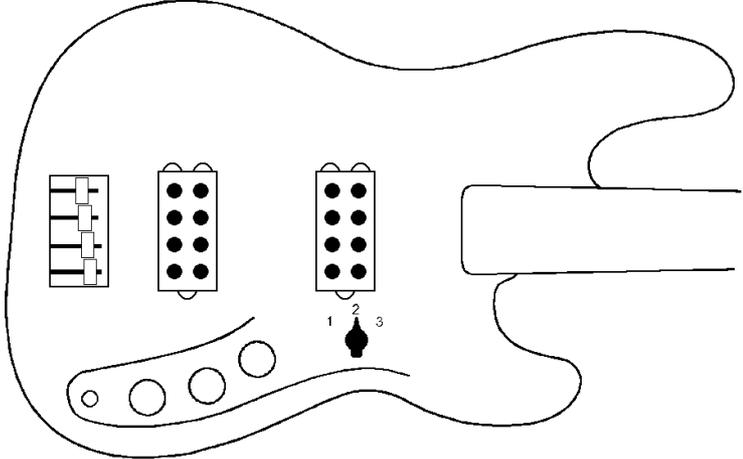
Bass with Megaswitch, three potentiometers



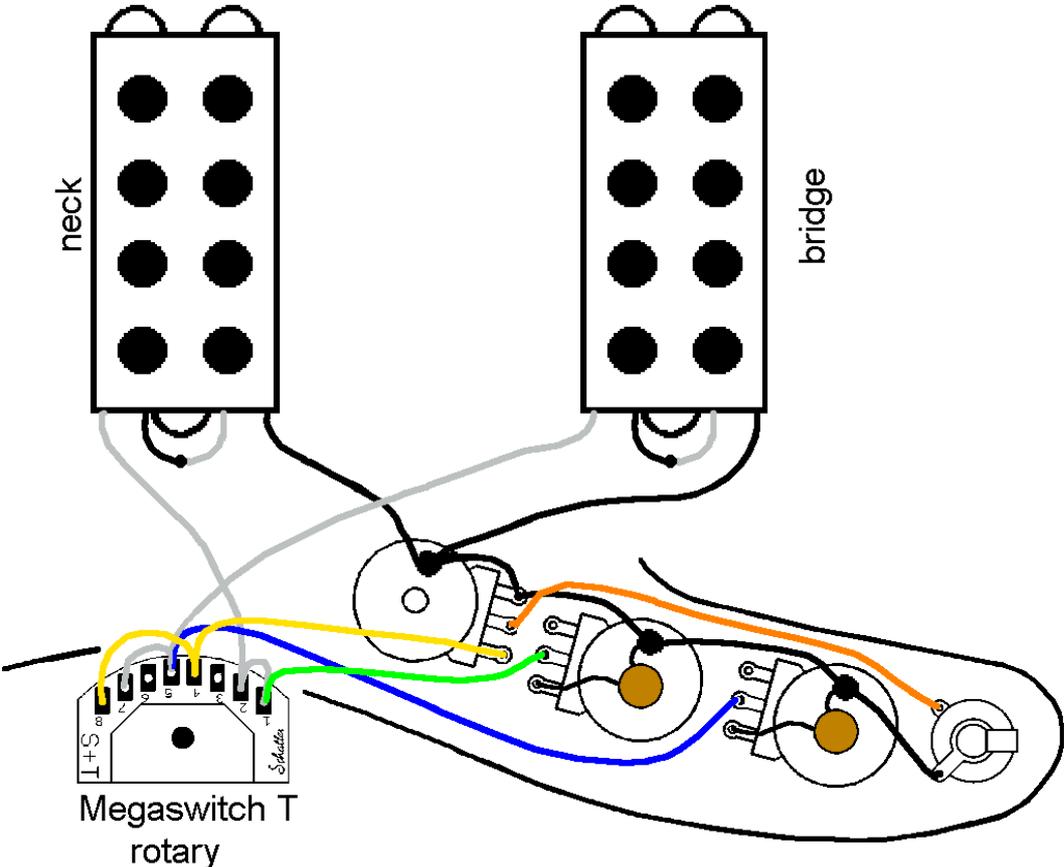
Wiring diagram with Megaswitch T



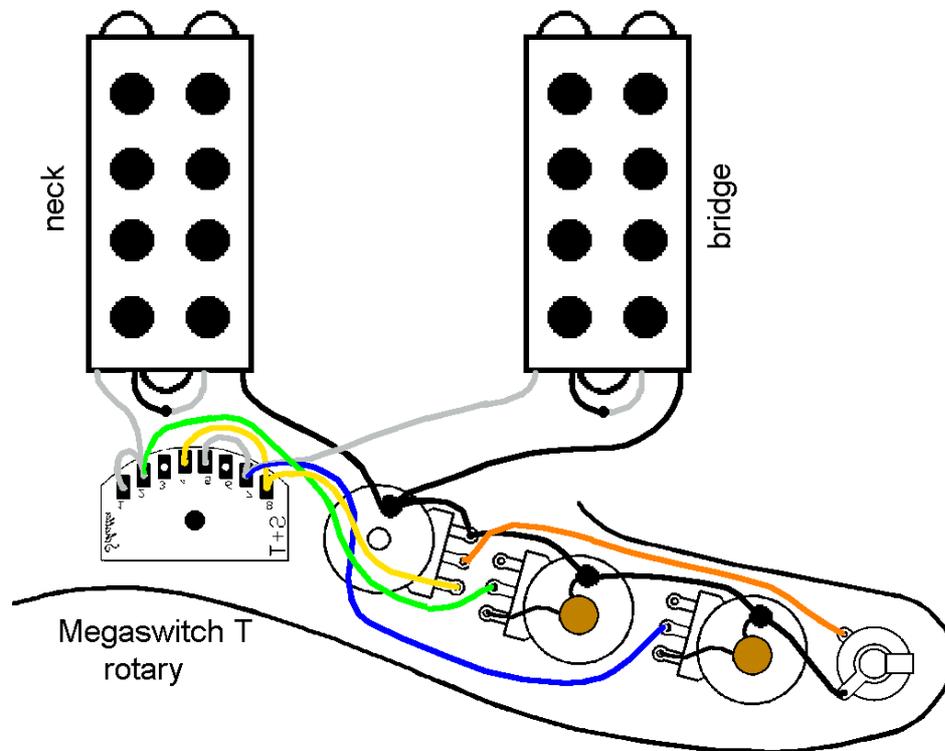
Bass with Megaswitch T rotary switch, three potentiometers



Connection of the rotary switch before installation



Wiring after installing the rotary switch



Connections:

position

1 bridge

2 both in parallel

3 neck

connections

1, 2 hot connector neck and tone control neck grinder

3-

4, 8 volume regulator right connection

5, 7 hot connector bridge and tone control bridge wiper

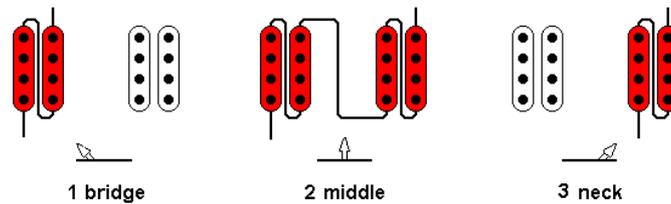
6-

Circuit MM2

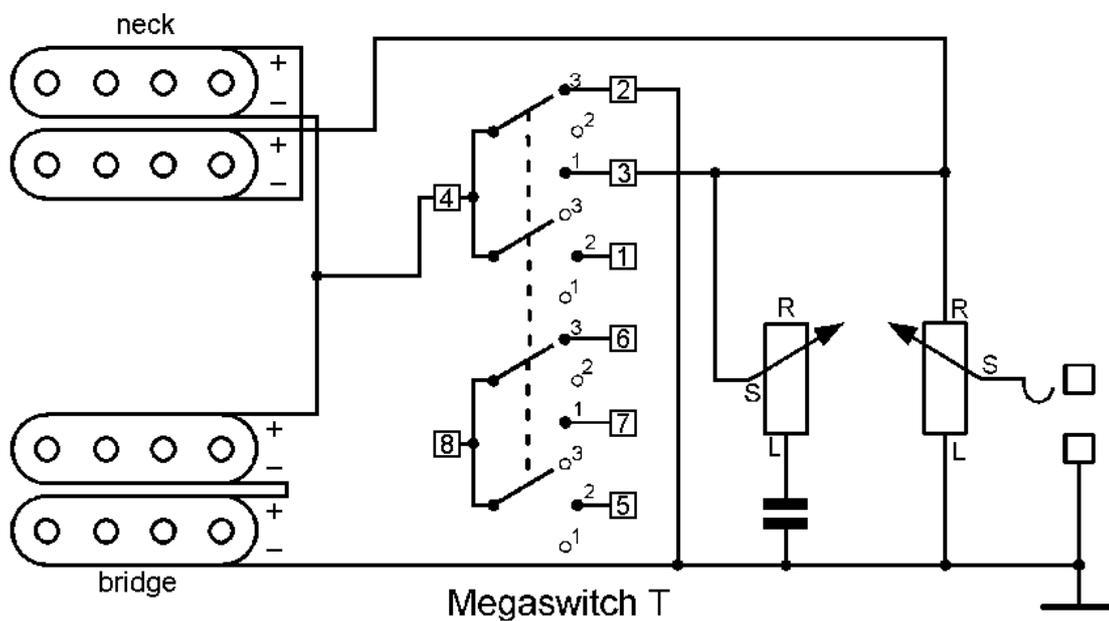
With this circuit, when the switch is in the middle position, both pickups are connected in series for enhanced bass and mids and less treble.

1. Bridge humbucker
2. both humbucker in series
3. Neck humbucker

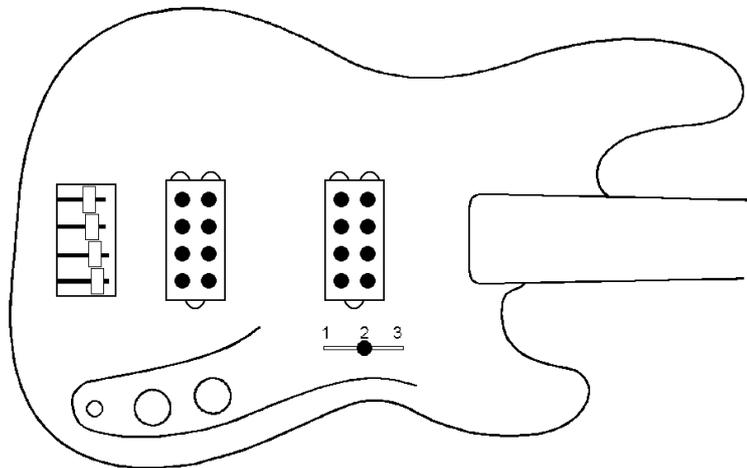
Switching functions



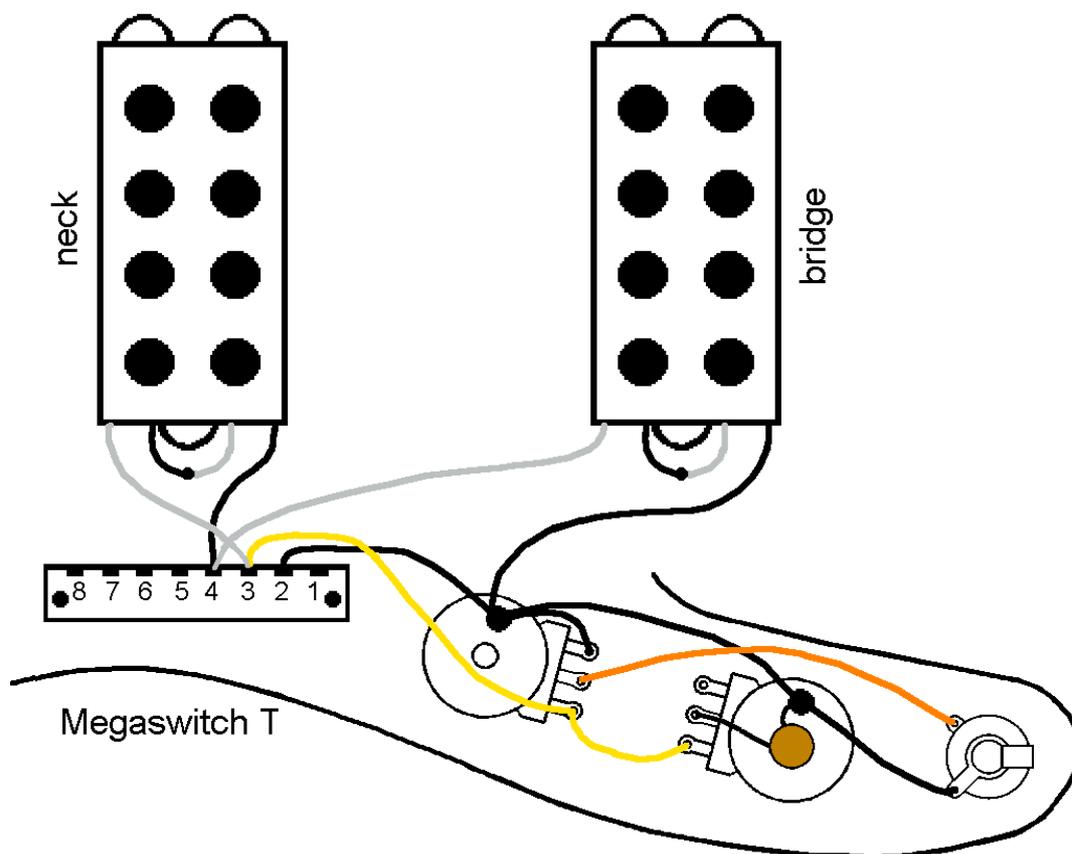
Electrical switching principle



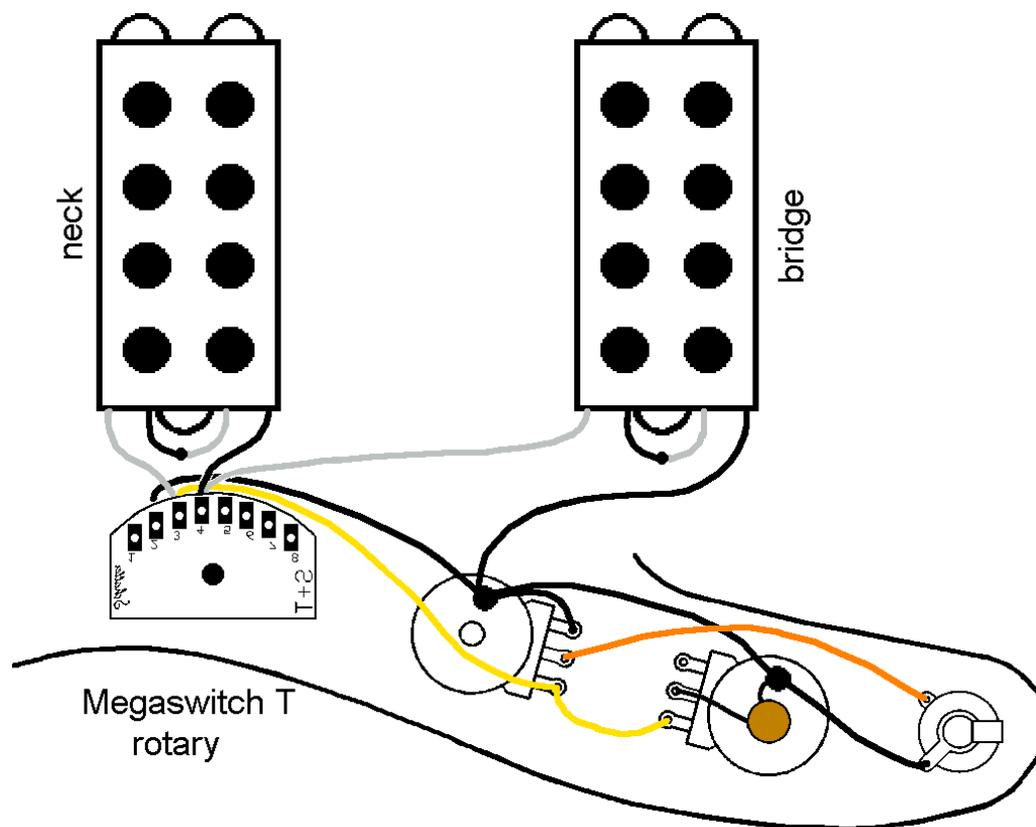
Bass with Megaswitch T, two potentiometers



Wiring diagram with Megaswitch T



Wiring after installing the rotary switch



Connections:

position

1 bridge

2 both in series

3 neck

connections

1

2 mass

3 hot connection neck, volume control right connection and tone control slider

4 hot connector bridge and cold connector neck

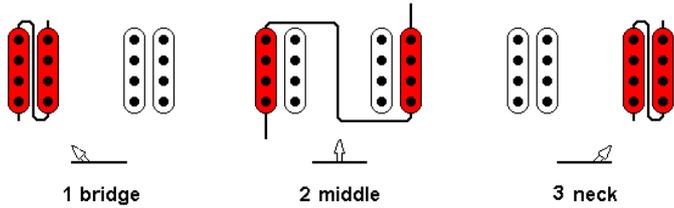
5, 6, 7, 8-

Circuit MM3

In the middle position of the switch, the two outer coils of the humbucker are connected in series. Compared to circuit MM2, this leaves more heights.

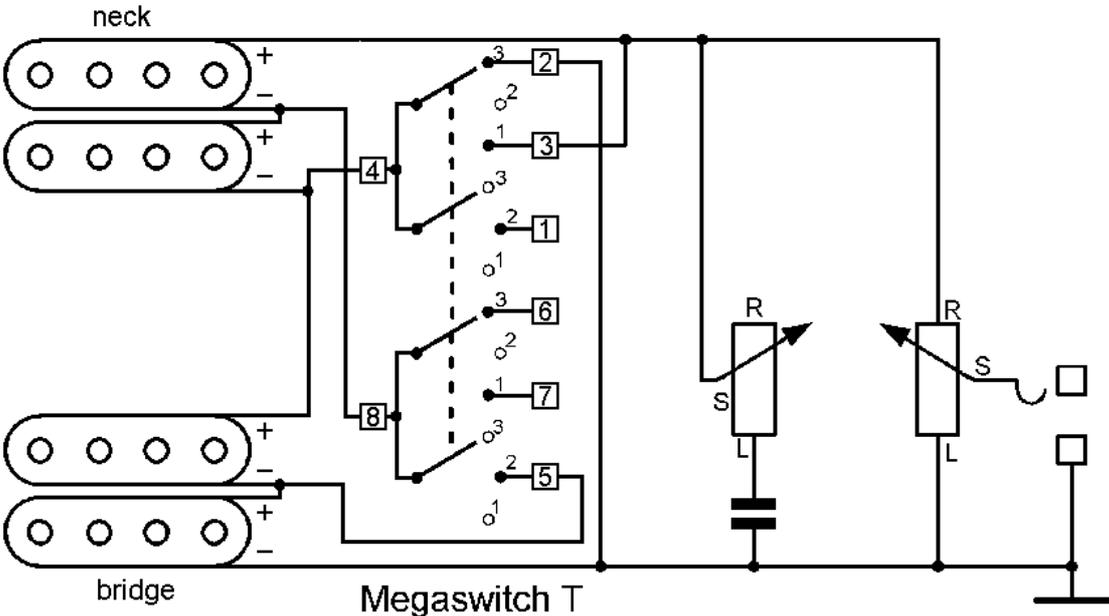
- 1. Bridge humbucker
- 2. outer coils in series
- 3. Neck humbucker

Switching functions

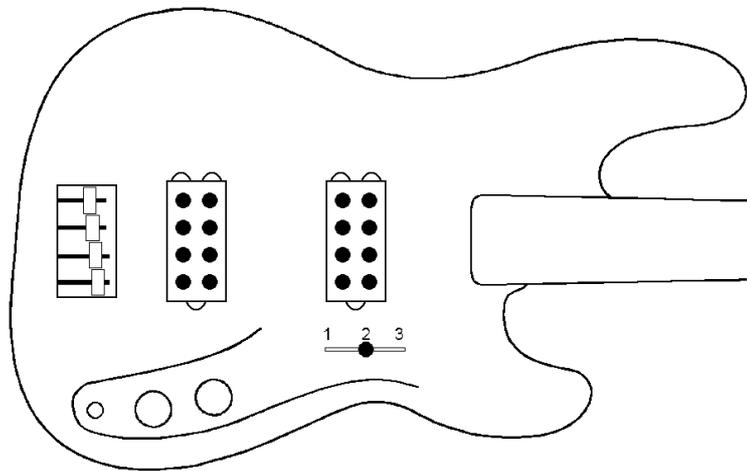


MM-3A.png

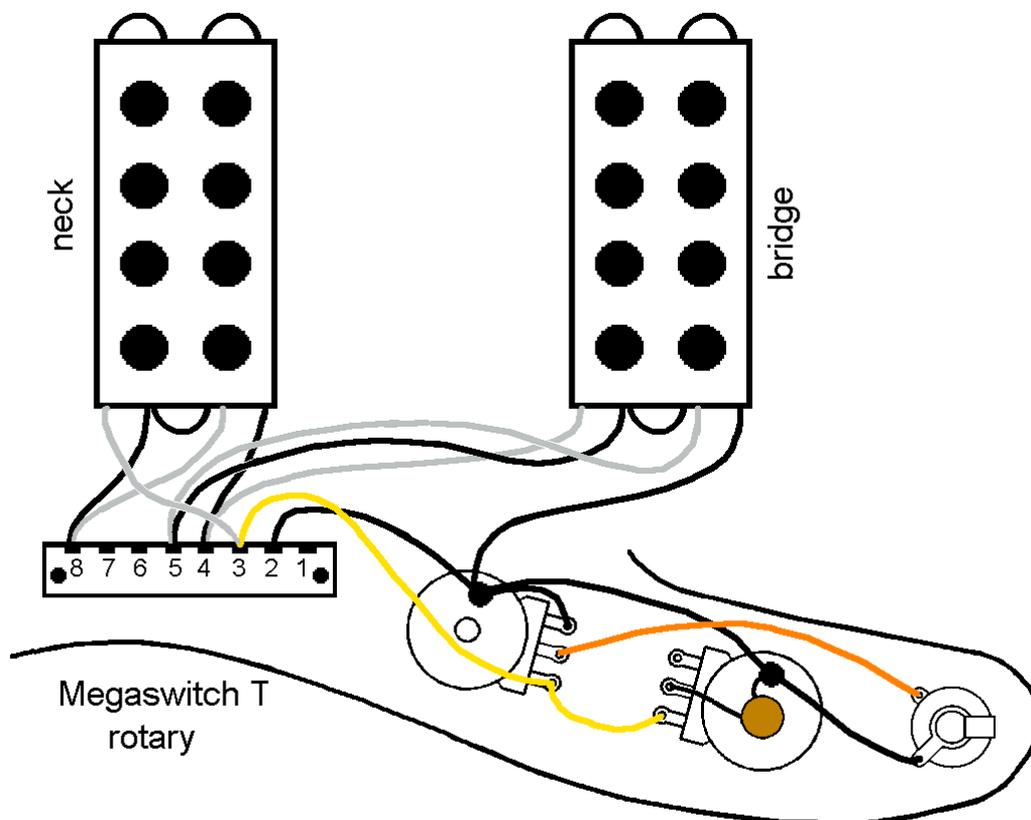
Electrical switching principle



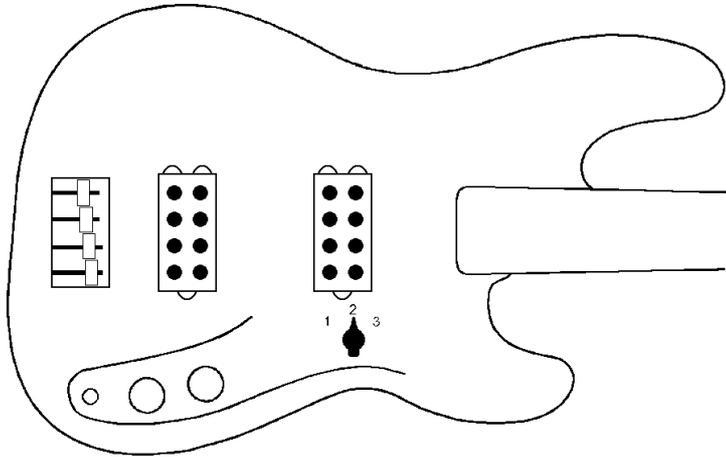
Bass with Megaswitch T two potentiometers



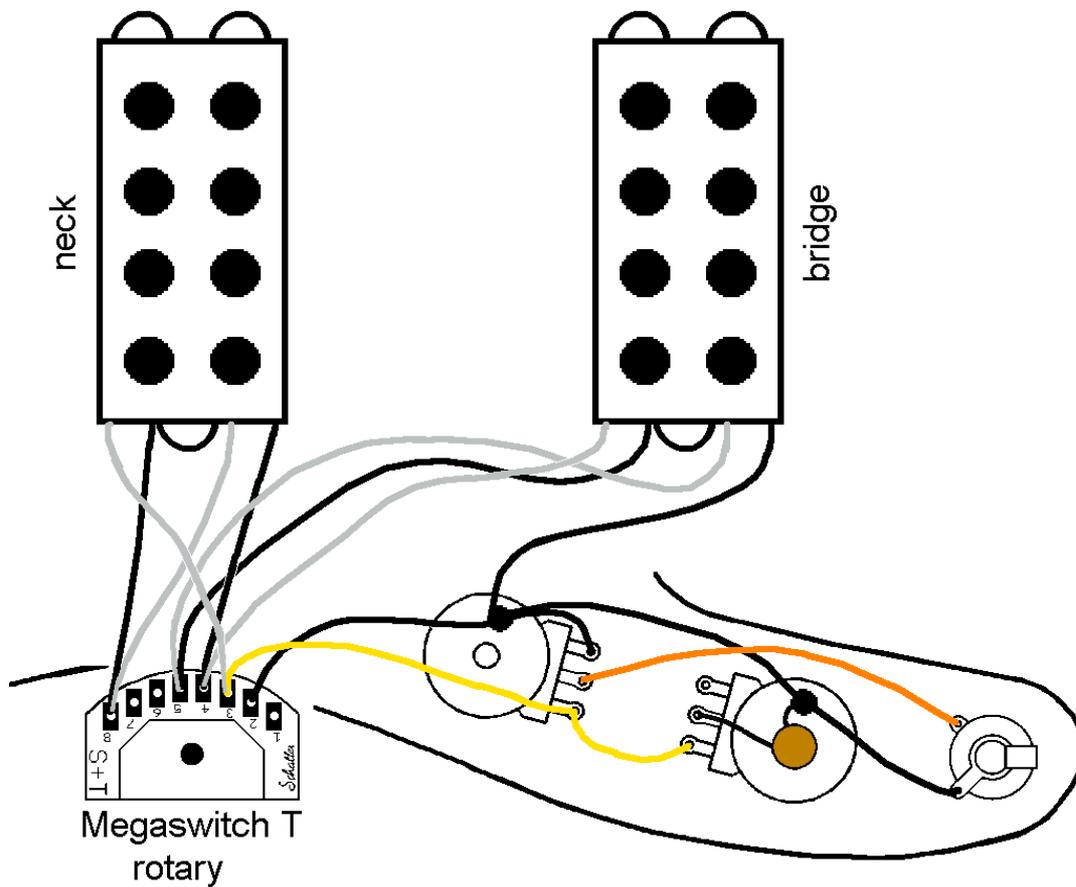
Wiring diagram with Megaswitch T



Bass with Megaswitch T rotary switch, two potentiometers



Connection of the rotary switch before installation

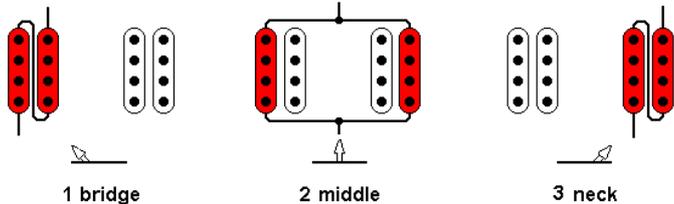


Circuit MM4

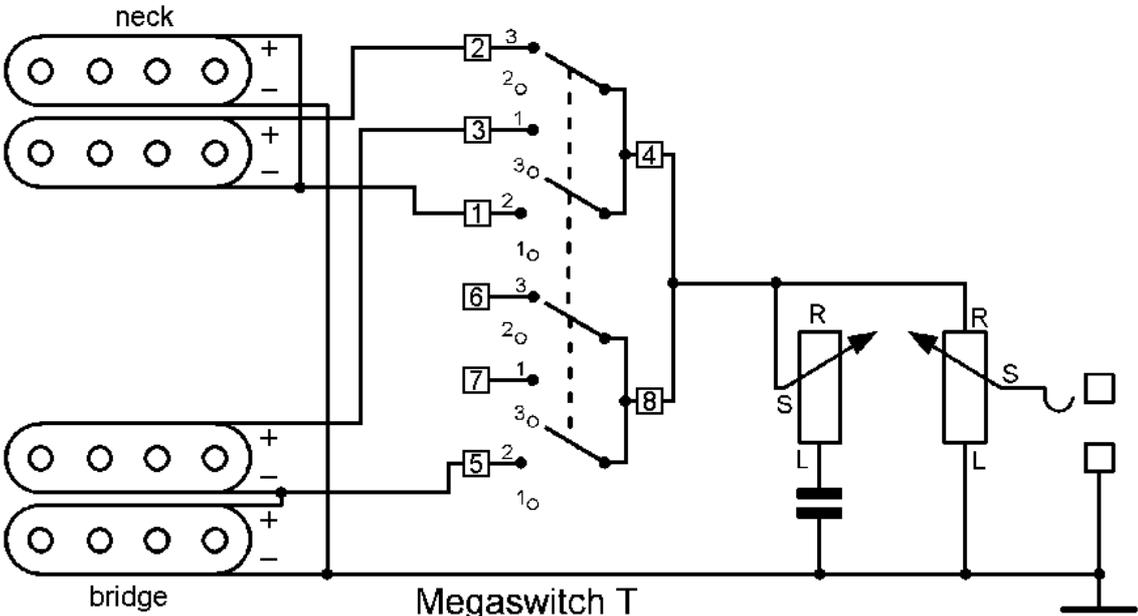
In the middle position of the switch, the two outer coils of the humbucker are connected in parallel, which results in increased highs.

- 1. Bridge humbucker
- 2. outer coil parallel
- 3. Neck humbucker

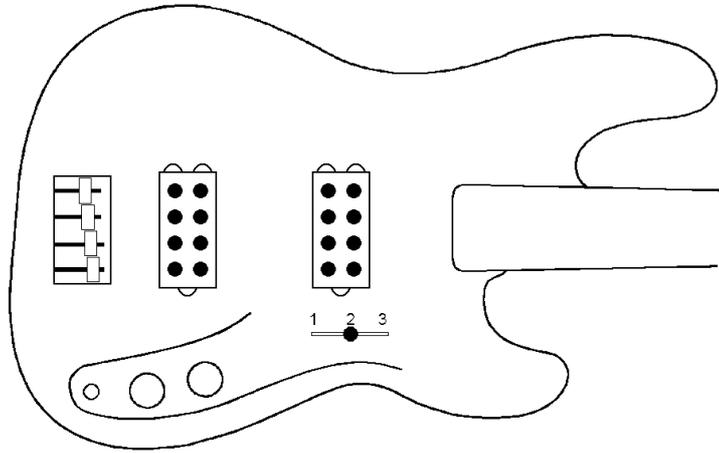
Switching functions



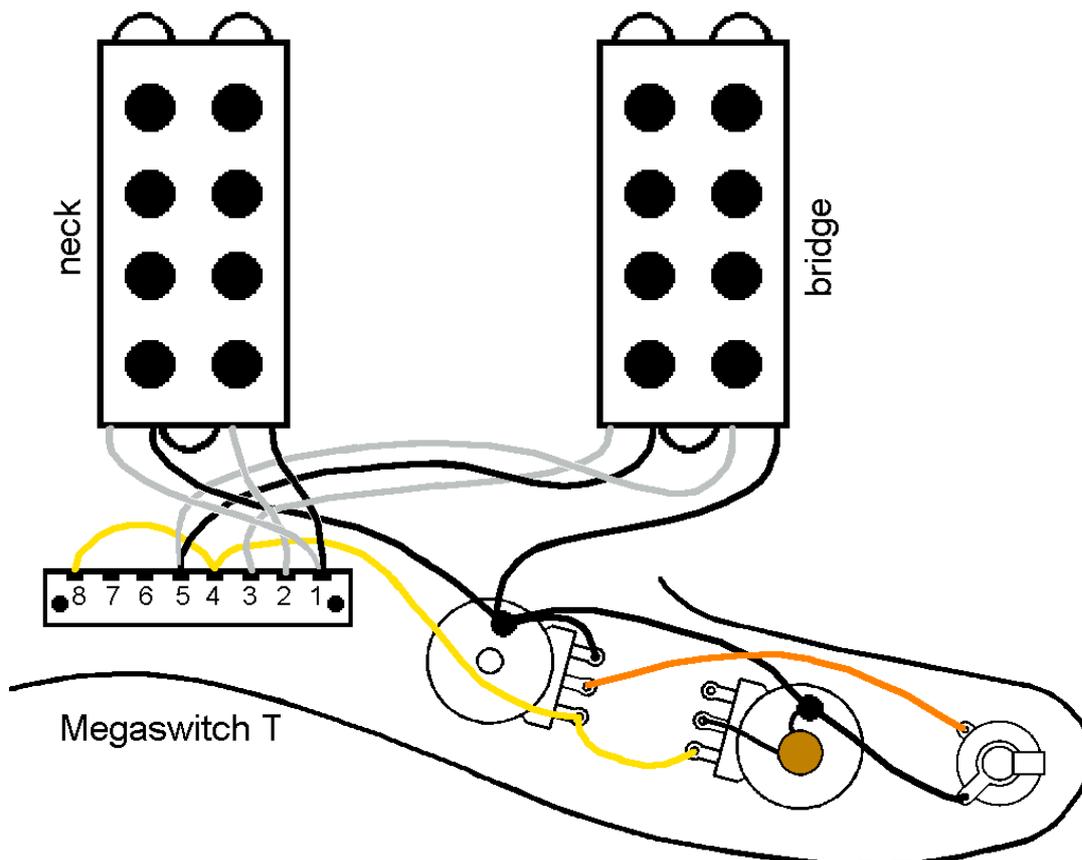
Electrical switching principle



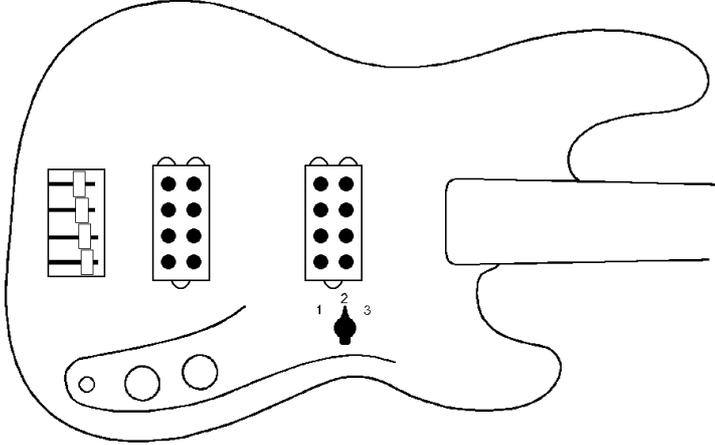
Bass with Megaswitch T, two potentiometers



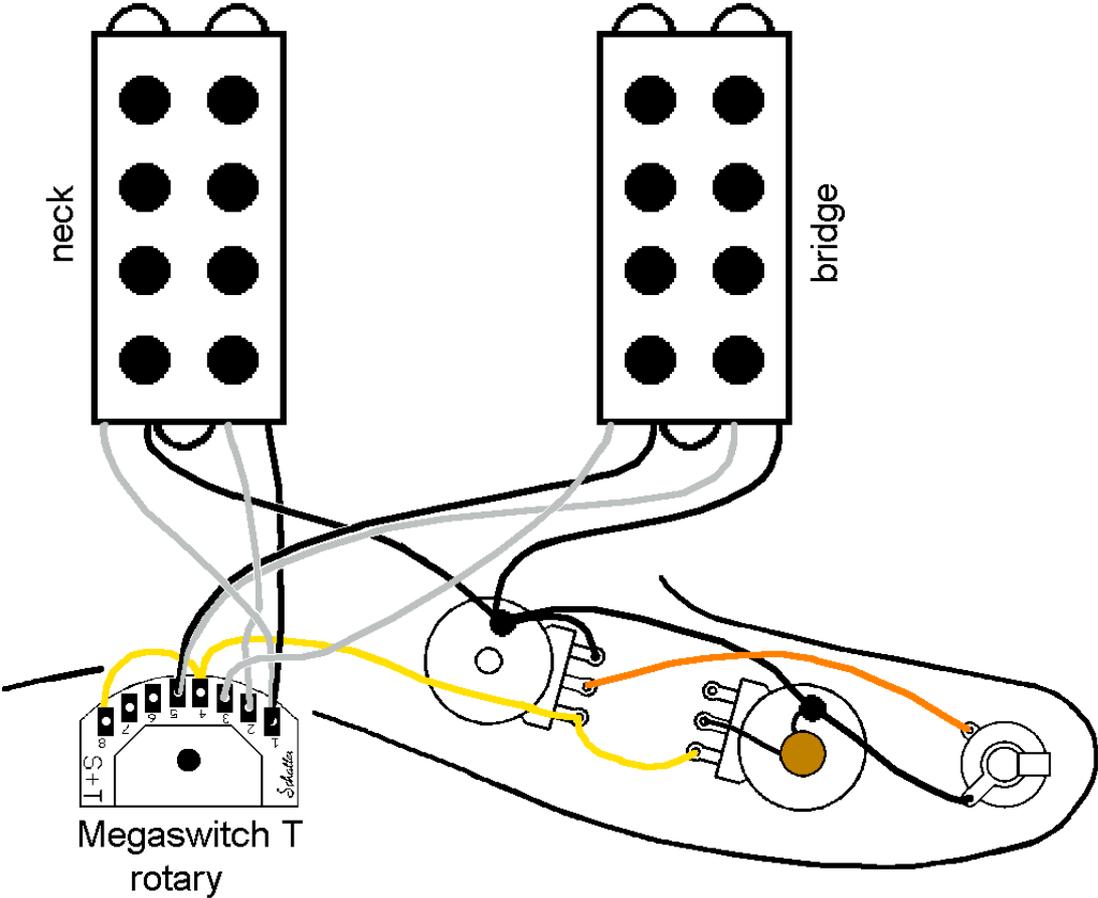
Wiring diagram with Megaswitch T



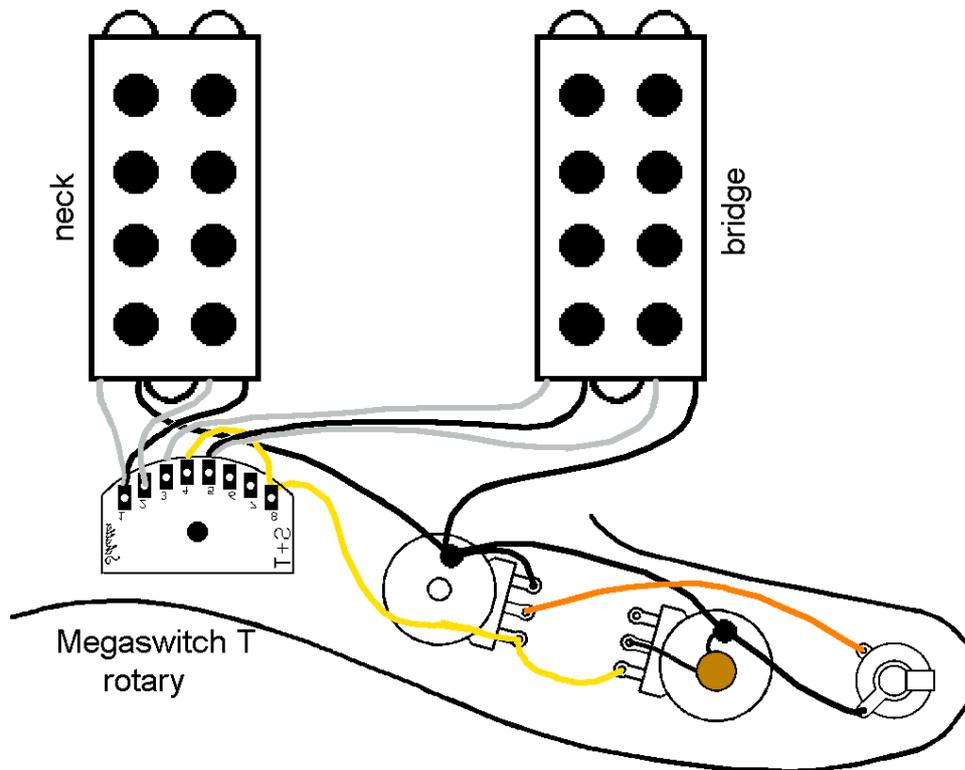
Bass with Megaswitch T rotary switch, two potentiometers



Connection of the rotary switch before installation



Wiring after installing the rotary switch



Connections:

position

1 bridge

2 outer coils in parallel

3 neck

connections

1 hot connection neck outer coil and cold connection neck inner coil

2 hot connection neck inner coil

3 hot connection bar inner coil

4, 8 volume regulator right connection and tone regulator grinder

5 hot connection bar outer coil and cold connection bar inner coil

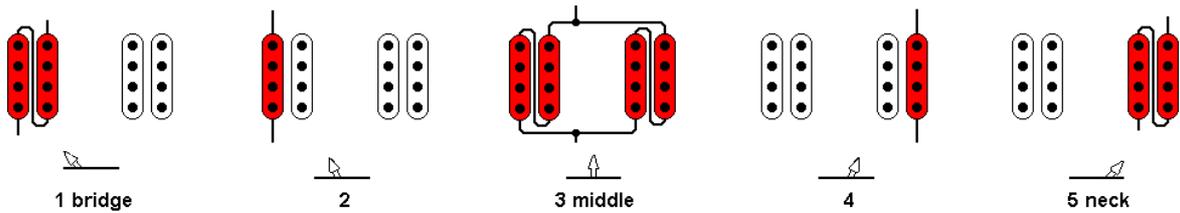
6, 7-

Circuit MM5

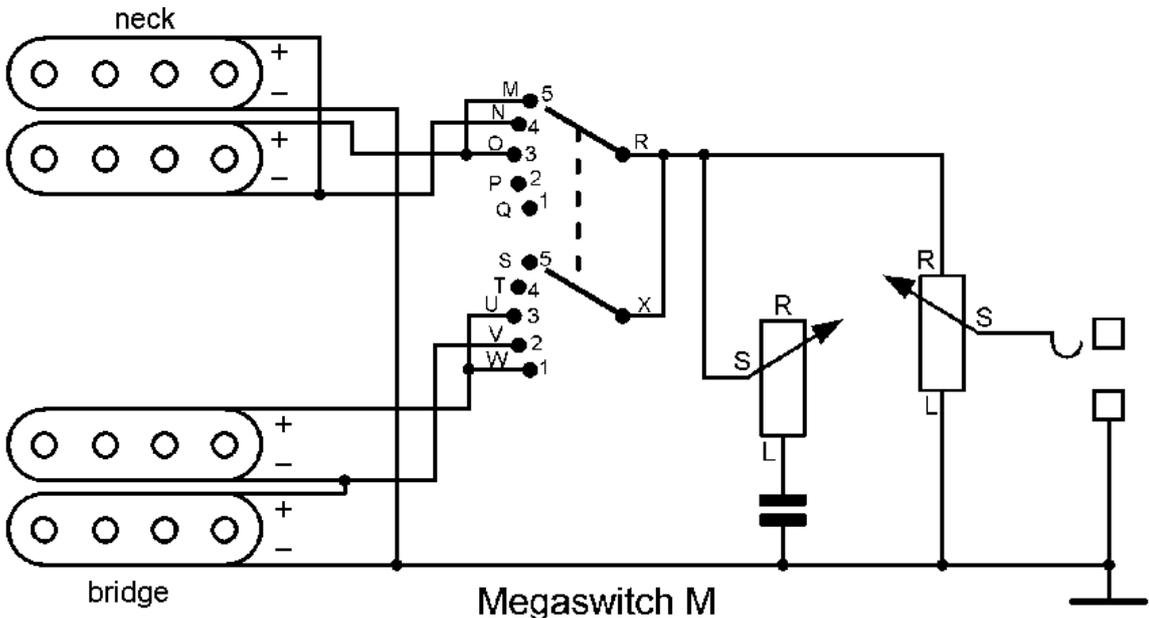
A Megaswitch M enables five different switch positions:

1. Bridge humbucker
2. Bridge outer coil
3. both humbucker in parallel
4. Neck outer coil
5. Neck humbucker

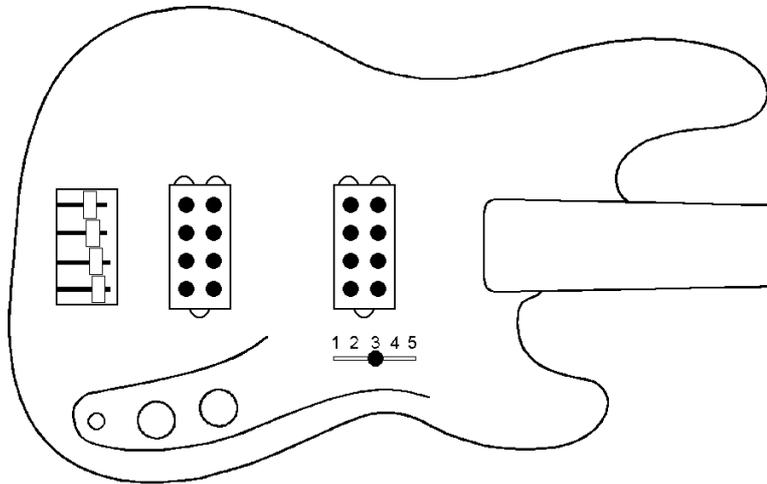
Switching functions



Electrical switching principle

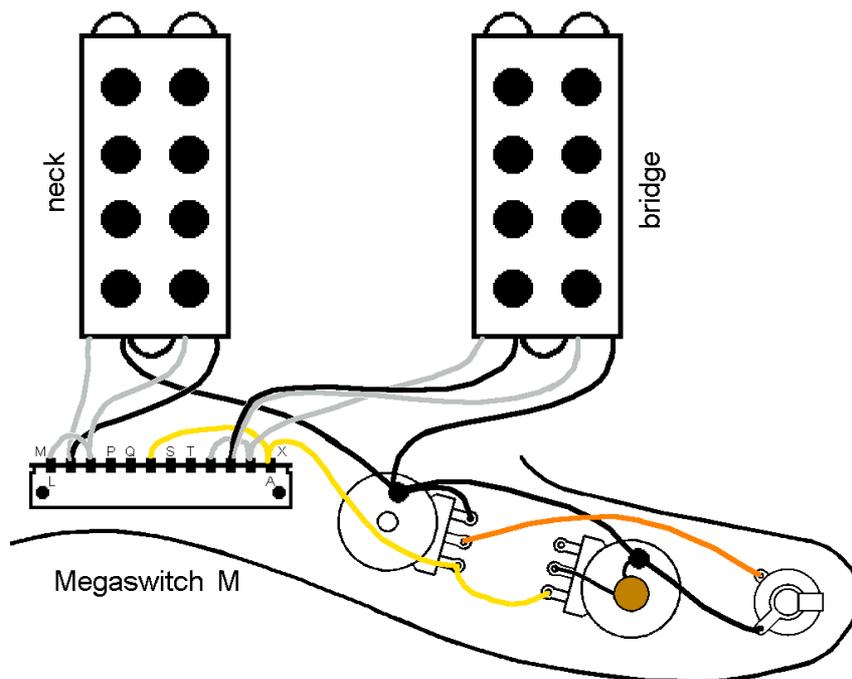


Bass with Megaswitch M, two potentiometers

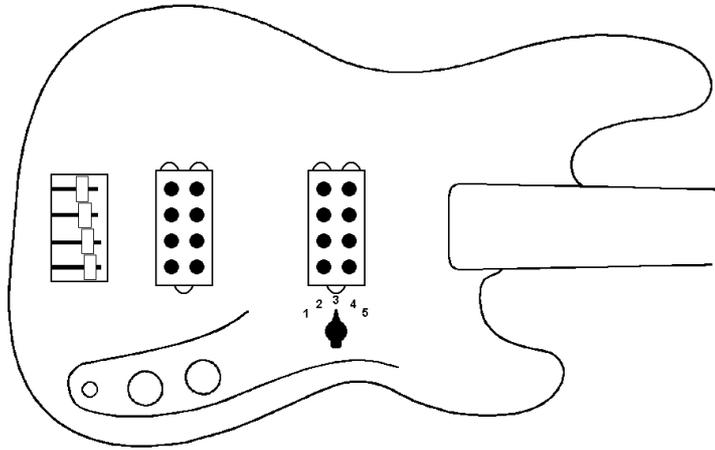


Wiring diagram with Megaswitch M

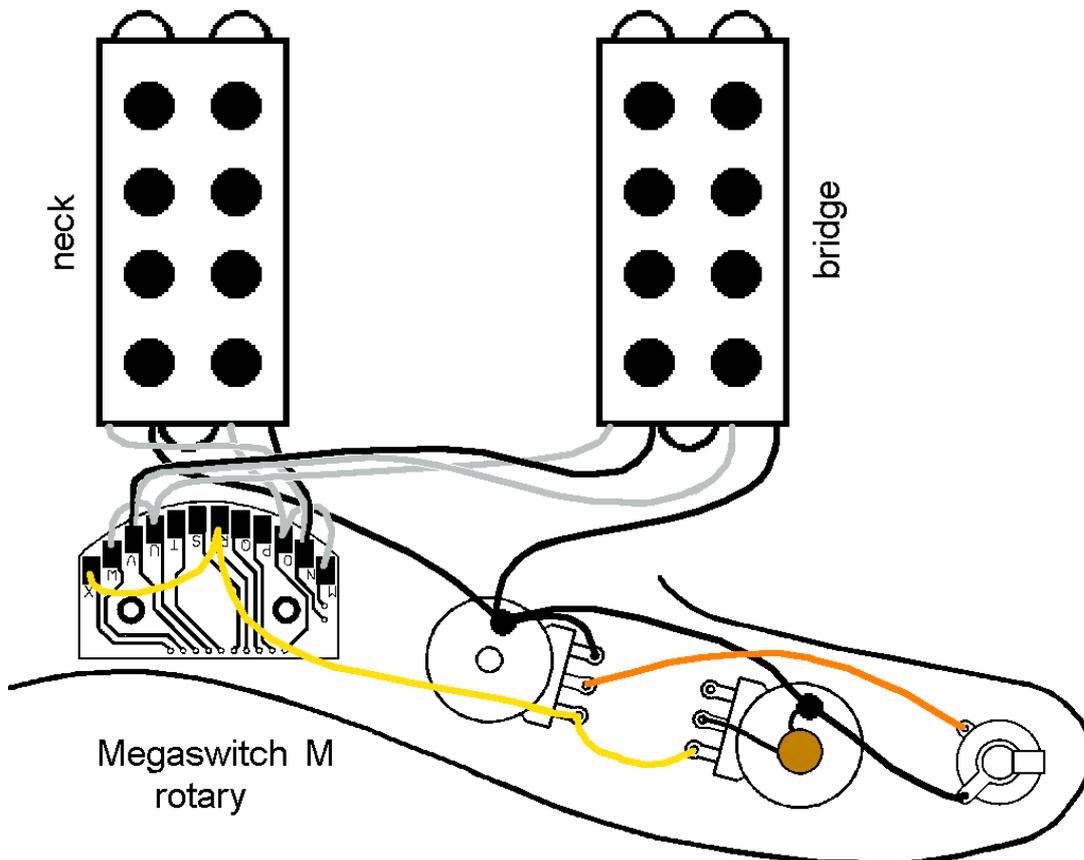
MM-5D.png



Bass with Megaswitch M rotary switch, two potentiometers



Wiring after installing the rotary switch



Connections:

position

1 bridge humbucker

2 bridge outer coil

3 both as humbuckers in parallel

4 neck outer coil

5 neck humbucker

connections

A ... L-

M, O hot connection neck inner coil

N hot connection neck outer coil and cold connection neck inner coil

P, Q, S, T-

R, X volume control right connection and tone control slider

U, W hot connection bar inner coil

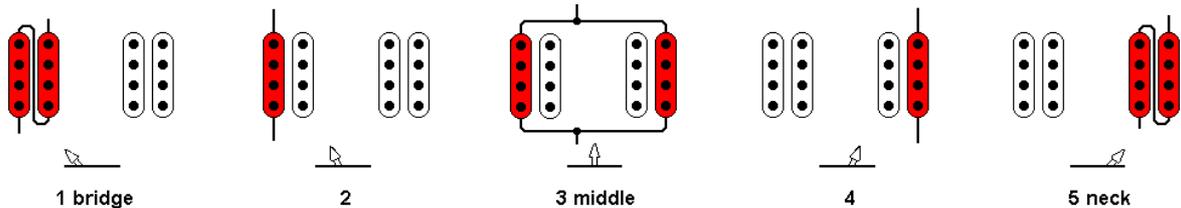
V hot connection bridge outer coil and cold connection bridge inner coil

Circuit MM6

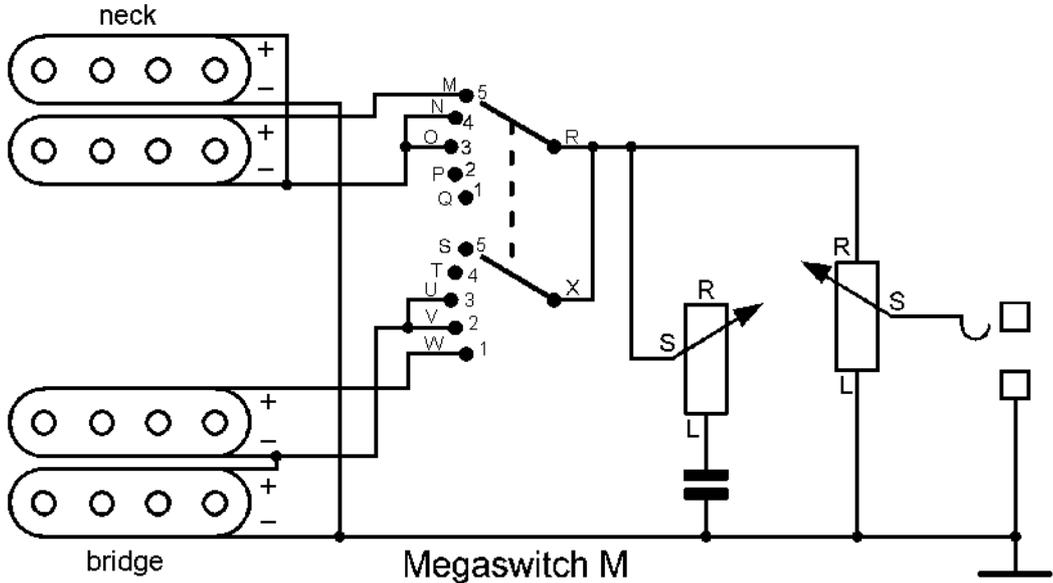
This is a variant of the MM5 circuit. In position 3, the outer coils of the two humbucker are connected in parallel, which increases the treble.

1. Bridge humbucker
2. Bridge outer coil
3. Outer coils parallel
4. Neck outer coil
5. Neck humbucker

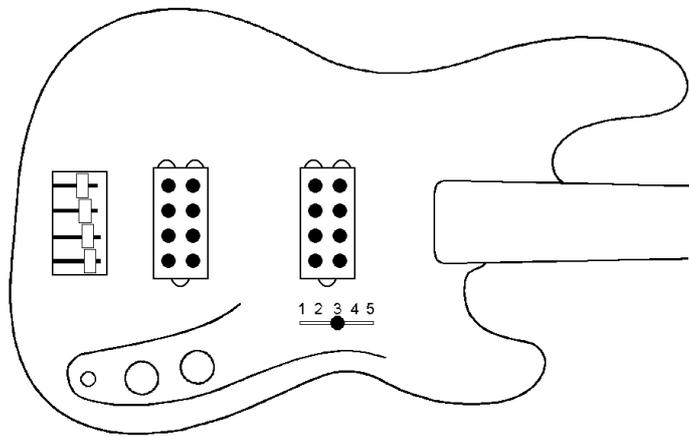
Switching functions



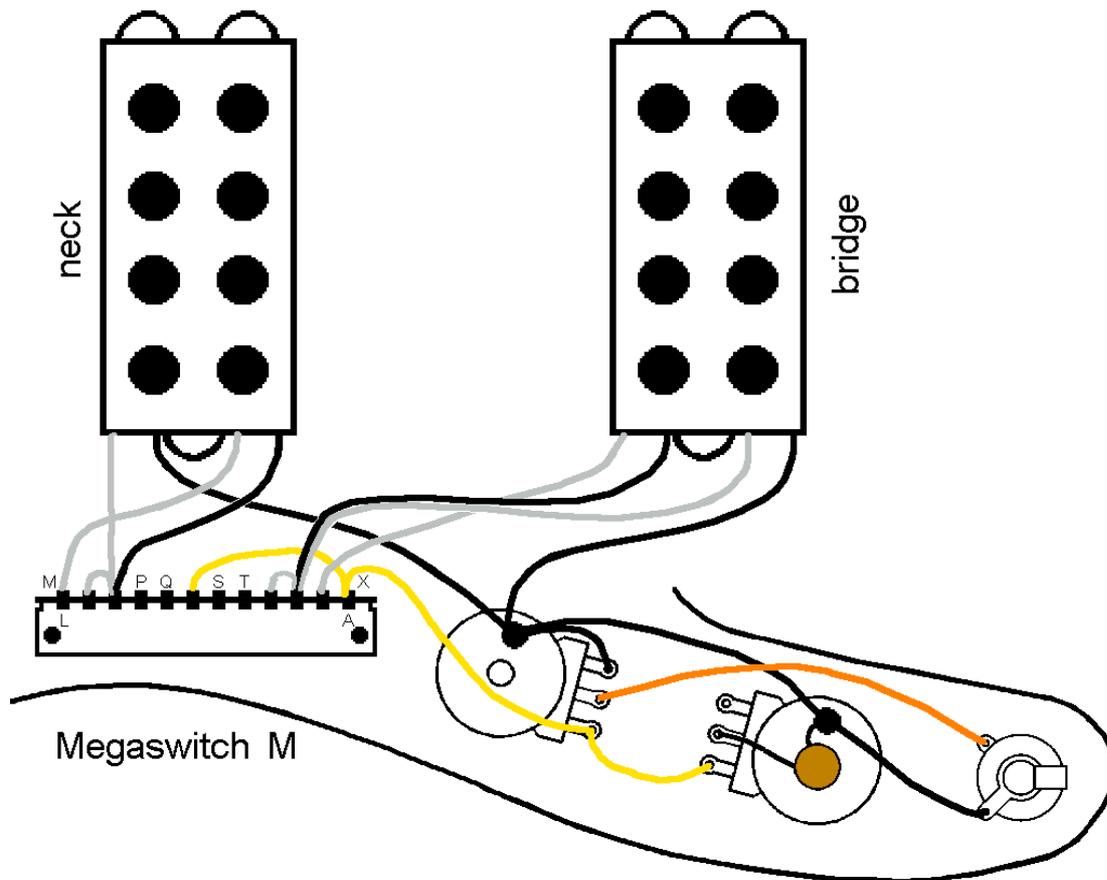
Electrical switching principle



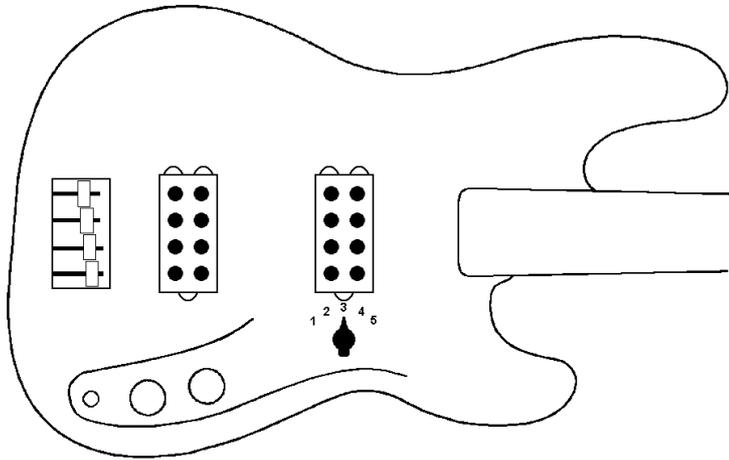
Bass with Megaswitch M, two potentiometers



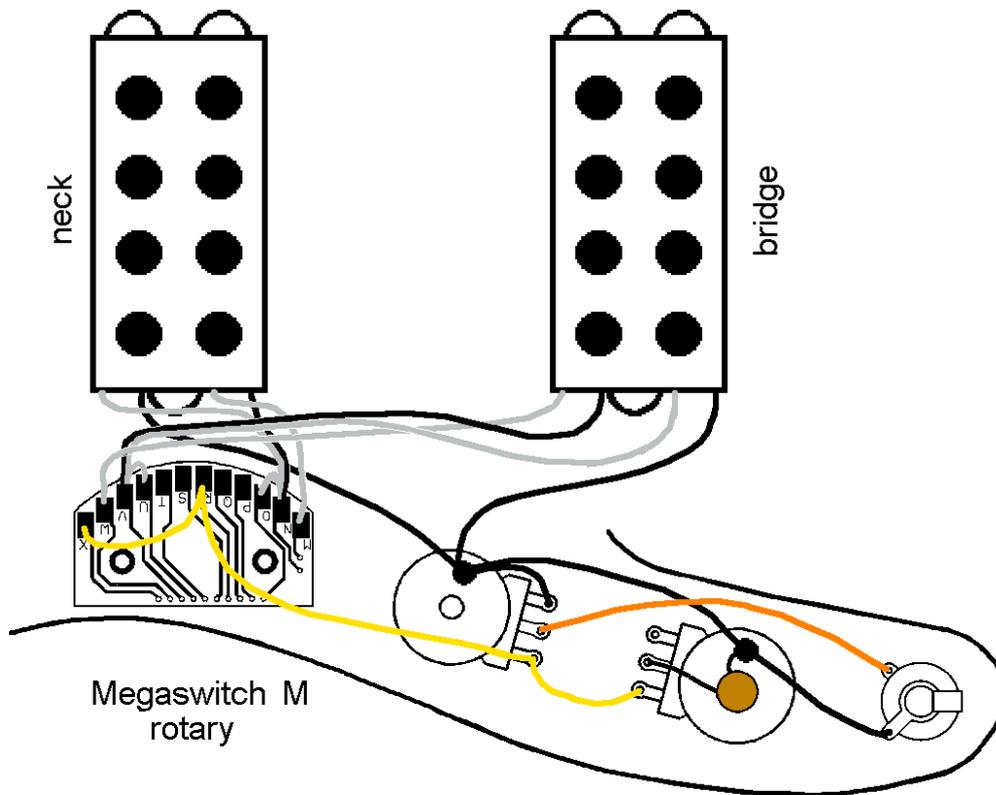
Wiring diagram with Megaswitch M



Bass with Megaswitch M rotary switch, two potentiometers



Wiring after installing the rotary switch



Connections:

position

1 bridge humbucker

2 bridge outer coil

3 both outer coils in parallel

4 neck outer coil

5 neck humbucker

connections

A ... L-

M hot connection neck inner coil

N, O hot connection neck outer coil and cold connection neck inner coil

P, Q, S, T-

R, X volume control right connection and tone control slider

U, V hot connection bar outer coil and cold connection bar inner coil

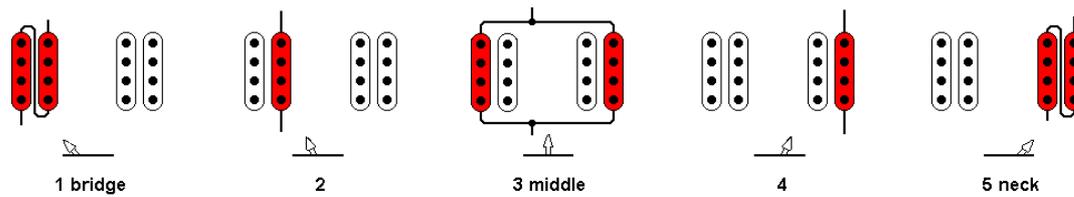
W hot connection bar inner coil

Circuit MM7

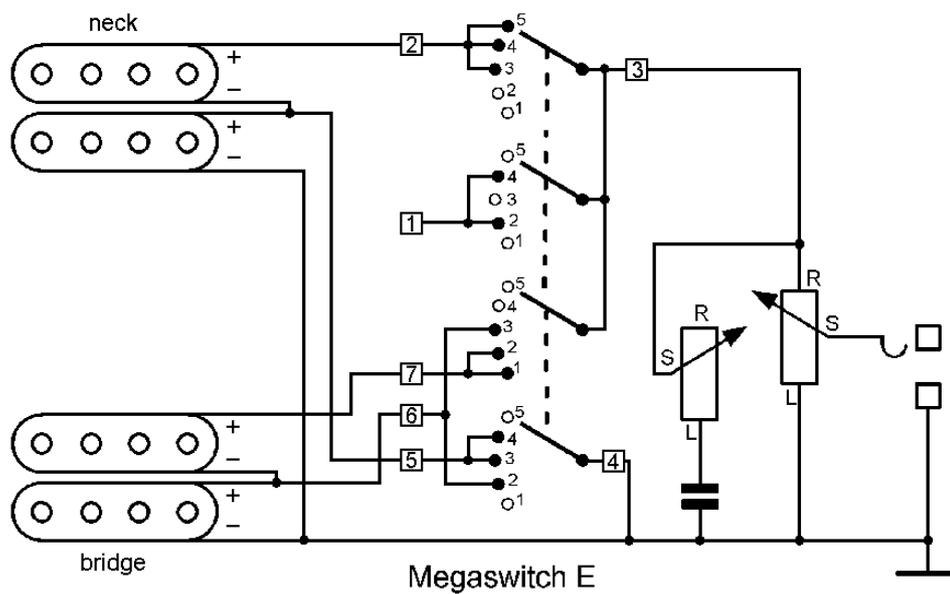
This circuit is largely similar to the MM6 circuit, the only difference being that a Megaswitch E is used here

1. Bridge humbucker.
2. Bridge outer coil
3. Outer coils parallel
4. Neck outer coil
5. Neck humbucker

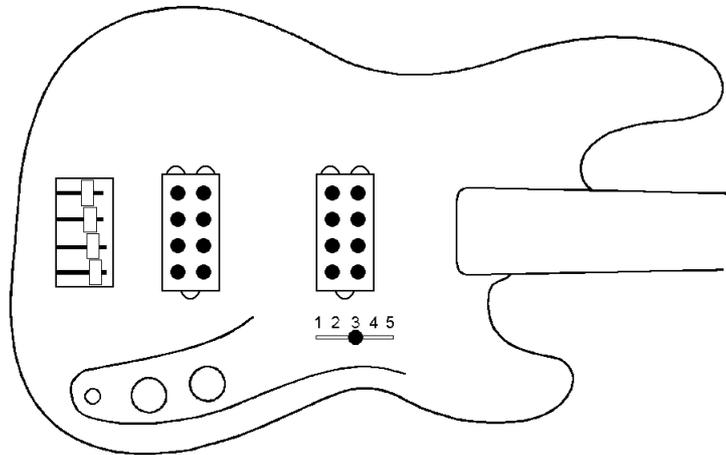
Switching functions



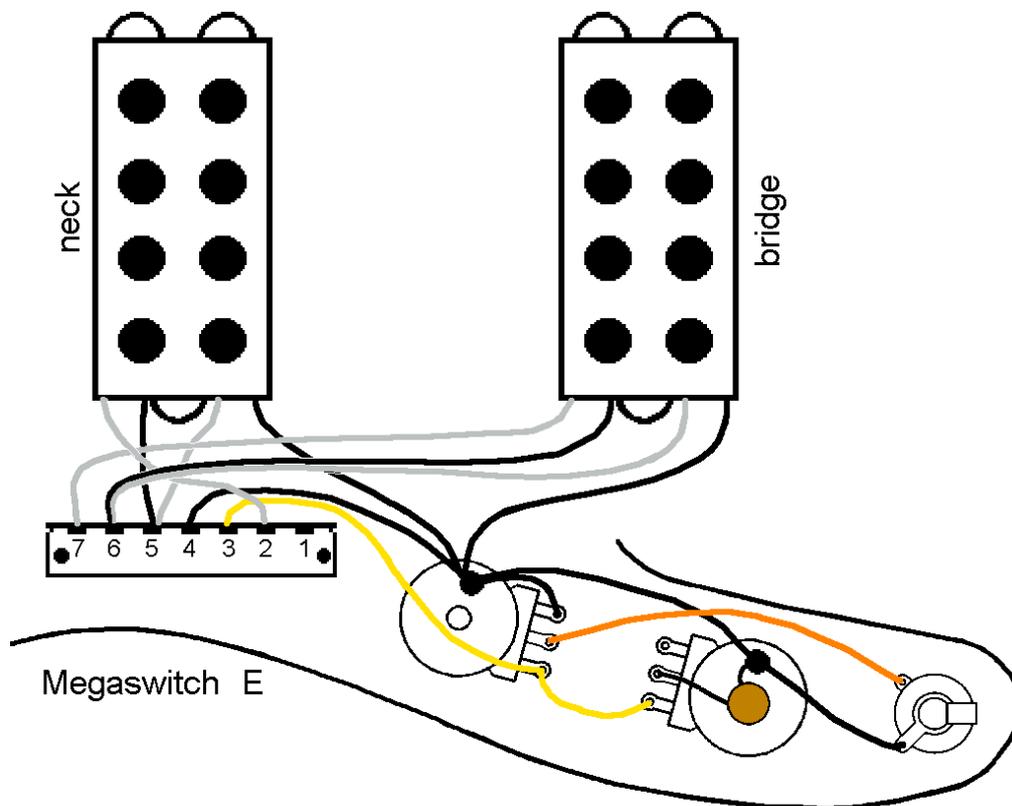
Electrical switching principle



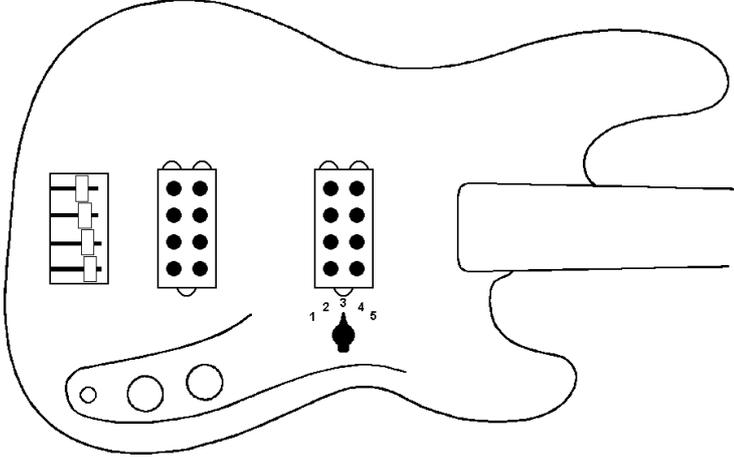
Bass with Megaswitch E, two potentiometers



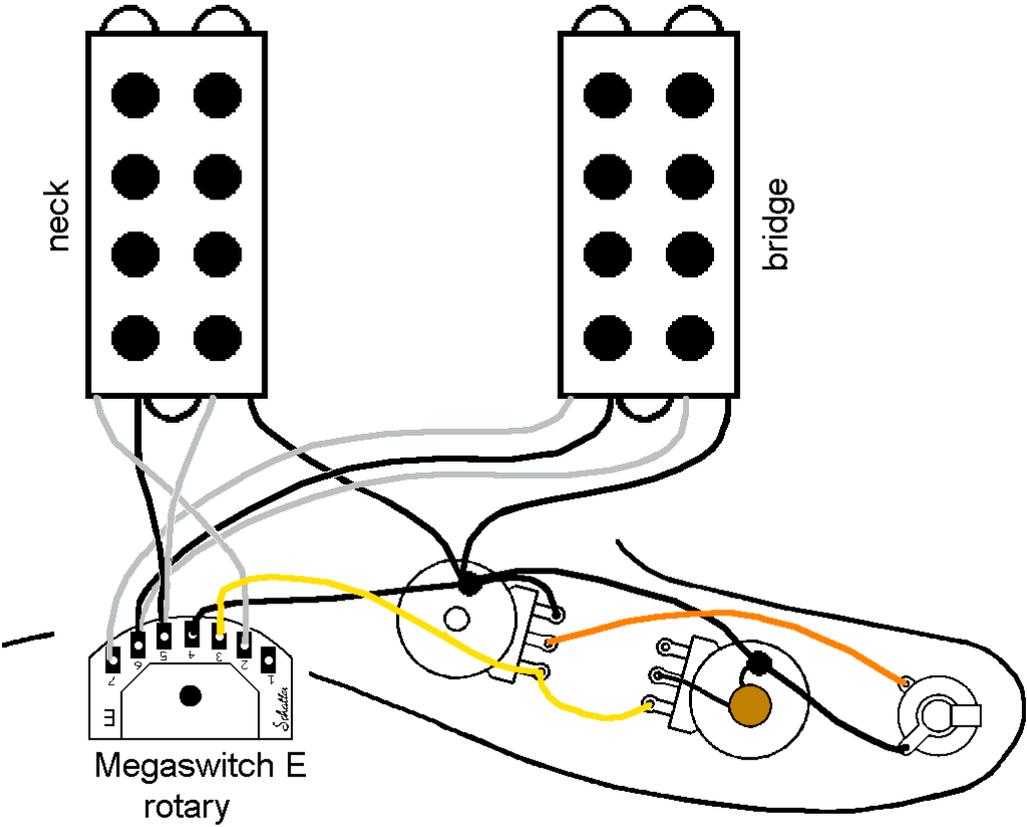
Wiring diagram with Megaswitch



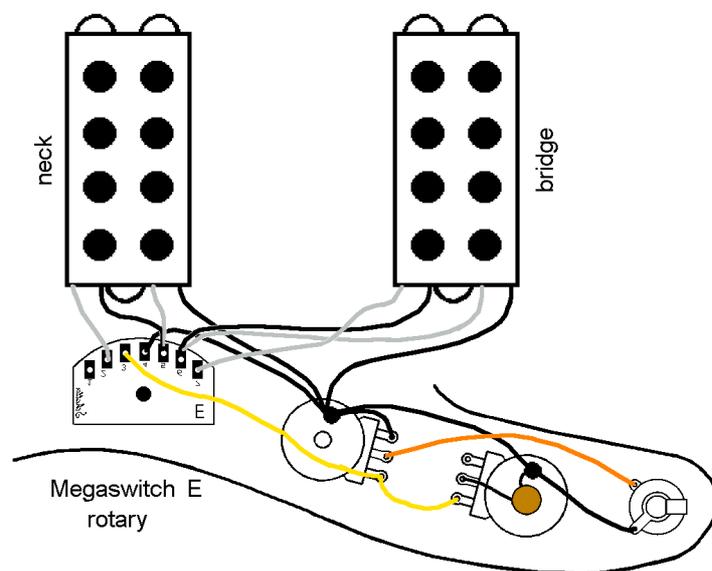
Bass with Megaswitch E rotary switch, two potentiometers



Connection of the rotary switch before installation



Wiring after installing the rotary switch



Connections:

position

1 bridge humbucker

2 bridge outer coil

3 both outer coils in parallel

4 neck outer coil

5 neck humbucker

connections

1 -

2 hot connection neck outer coil

3 volume regulator right connection and tone regulator grinder

4 mass

5 hot connection neck inner coil and cold connection neck outer coil

6 hot connection bar outer coil and cold connection bar inner coil

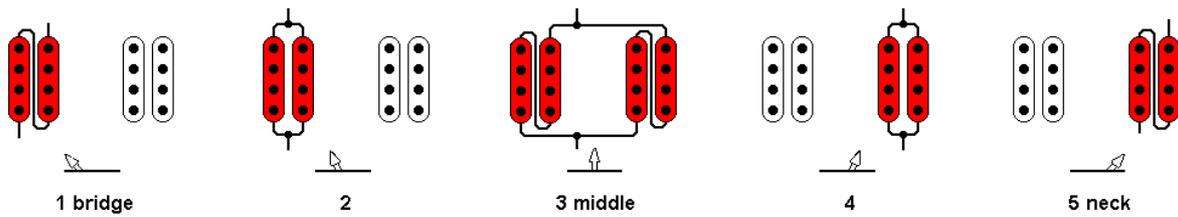
7 hot connection bar inner coil

Circuit MM8

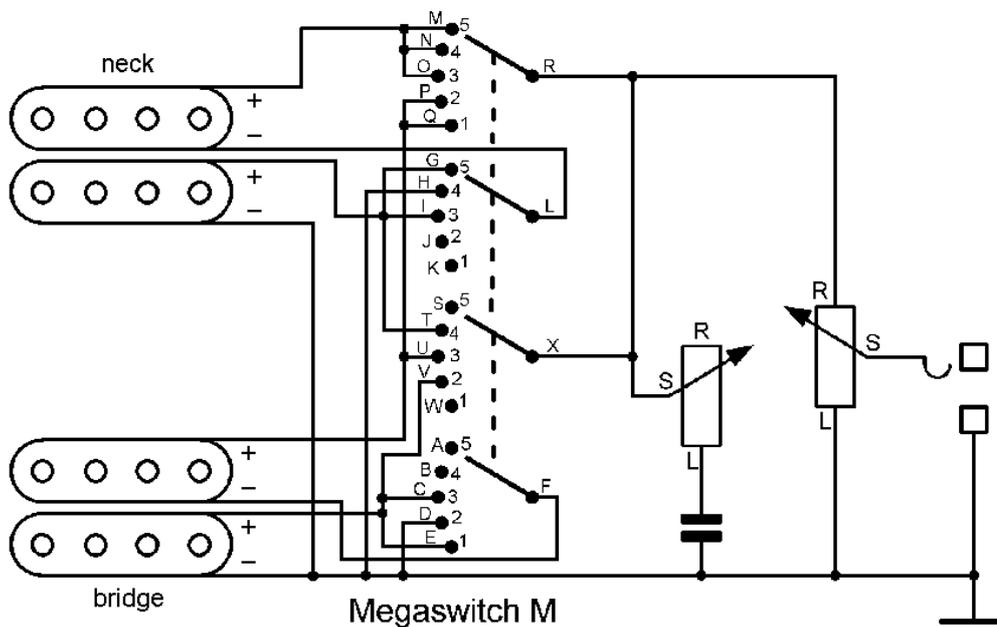
Here, in positions 2 and 4, the coils of the humbucker are switched in parallel, which increases the highs.

1. Bridge humbucker coils in series
2. Bridge humbucker coils parallel
3. Both humbucker in parallel, coils in series
4. Neck humbucker, coils in parallel
5. Humbucker, coils in series

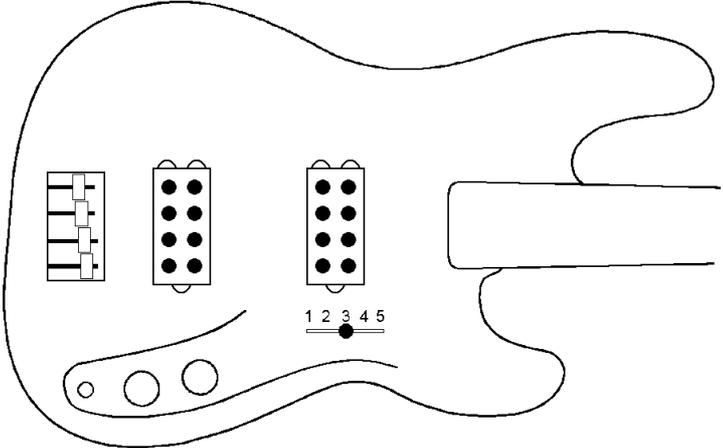
Switching functions



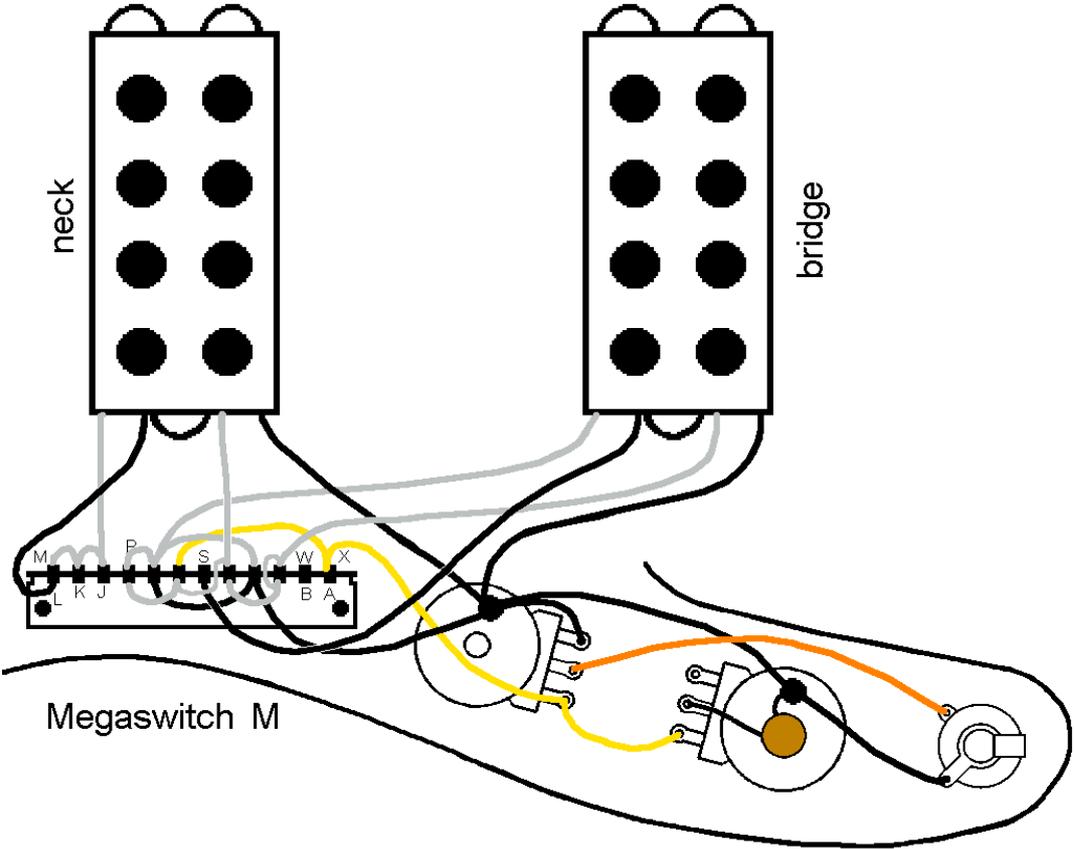
Electrical switching principle



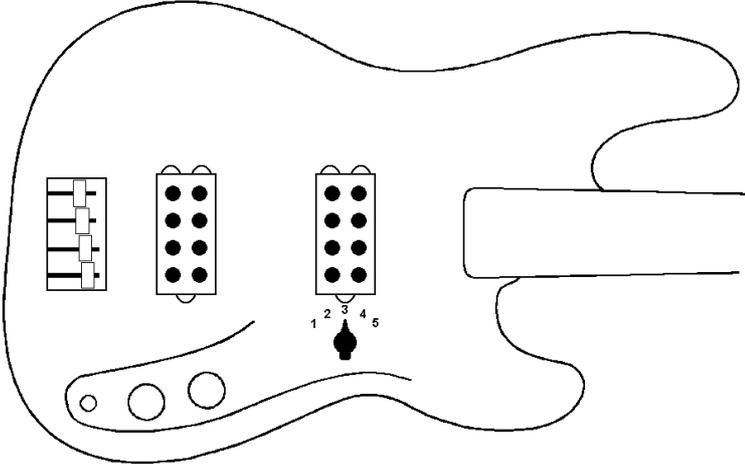
Bass with Megaswitch M, two potentiometers



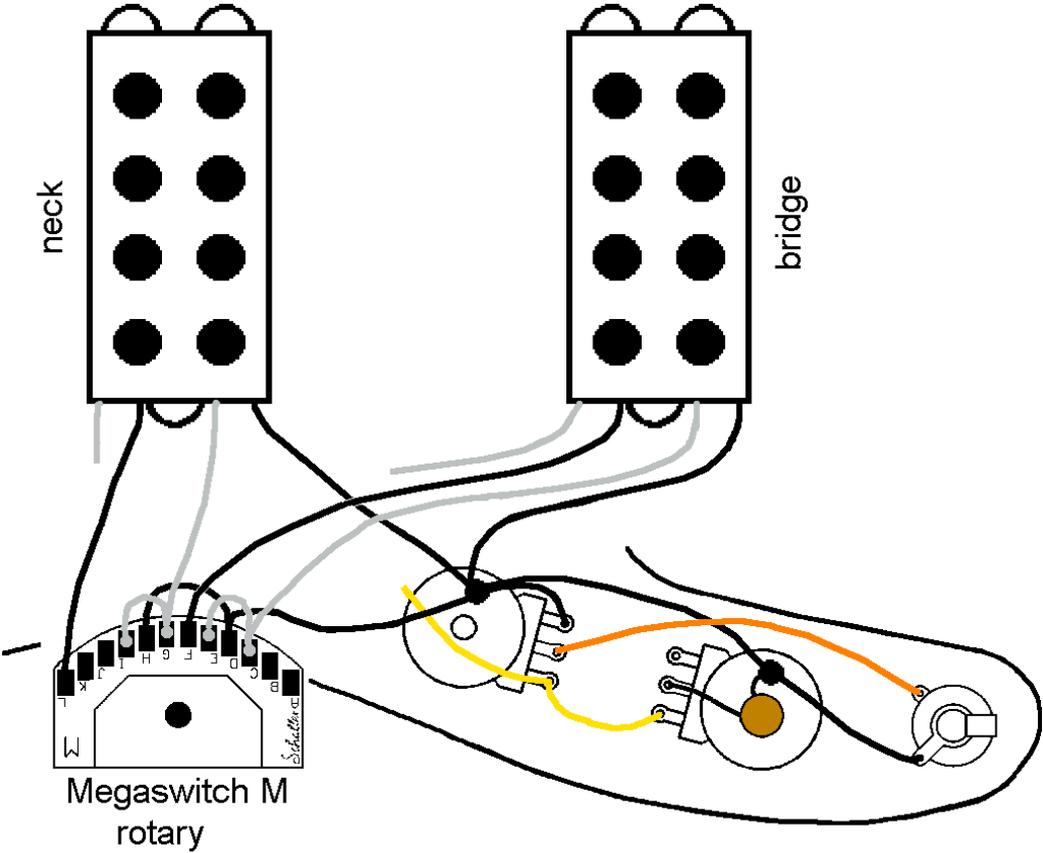
Wiring diagram with Megaswitch M



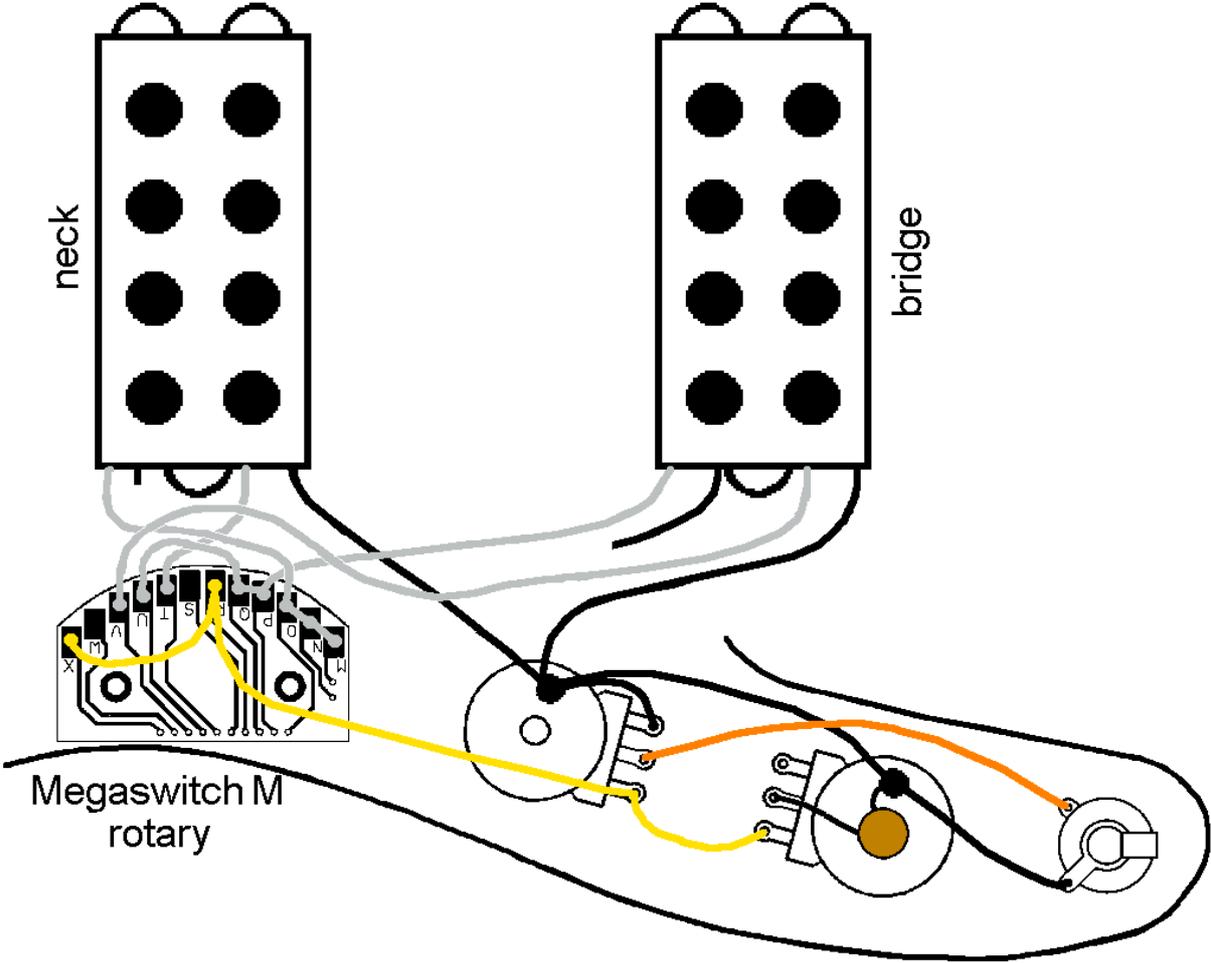
Bass with Megaswitch M rotary switch, two potentiometers



Connection of the Megaswitch M, first step: contacts on the top (A to L)



Connection of the Megaswitch M, second step after installing the switch: Contacts on the top (M to X). For the sake of clarity, the wires already connected in the first step are not shown here again.



Connections:

position

1 bridge humbucker coils in series

2 bridge humbucker coils in parallel

3 both humbucker in parallel (coils in series)

4 neck humbucker coils in parallel

5 neck humbucker coils in series

connections

A, B-

C, E, V hot connection bridge outer coil

D mass

F cold connection bar inner coil

G, I, T hot connection neck inner coil

H ground

J, K-

L cold connection neck outer coil

M, N, O hot connection neck outer coil

P, Q, U hot connection bar inner coil

R, X volume control right connection and tone control slider

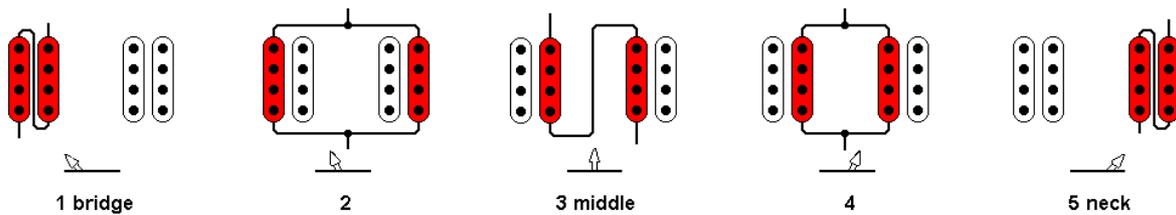
S, W-

Circuit MM9

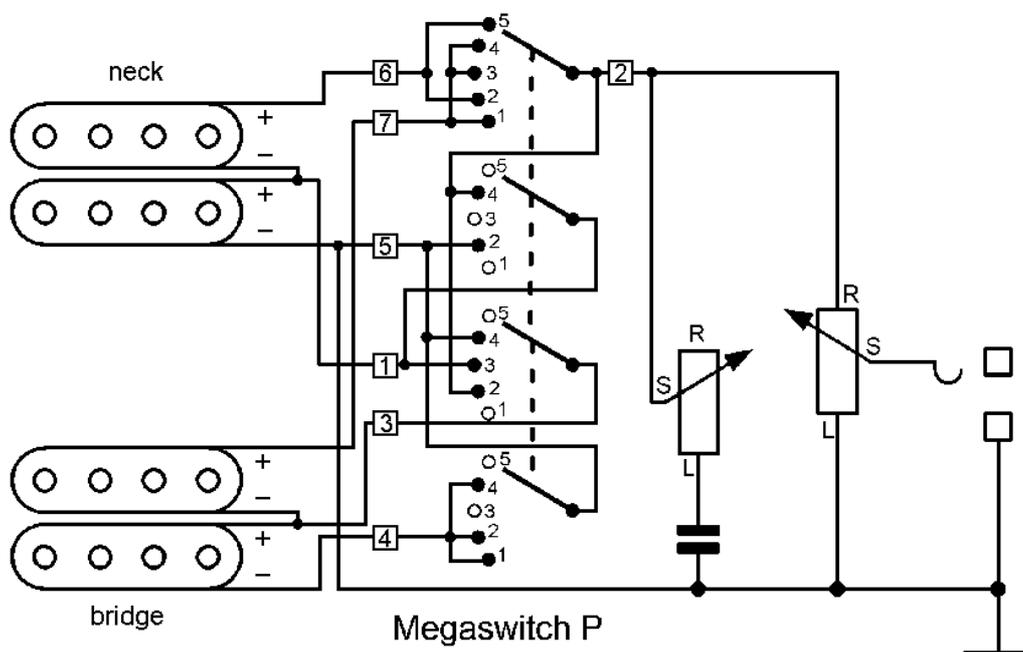
This circuit is based on some PRS guitars. A Megaswitch P is used.

1. Bridge humbucker
2. Outer coils parallel
3. Inner coils in series
4. Inner coils parallel
5. Neck humbucker

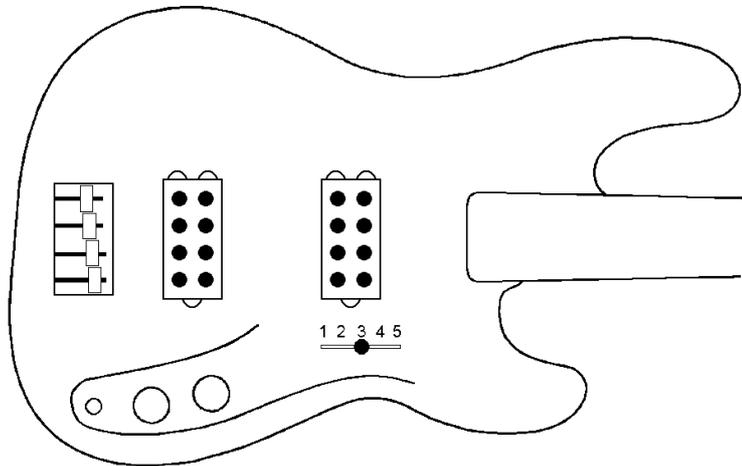
Switching functions



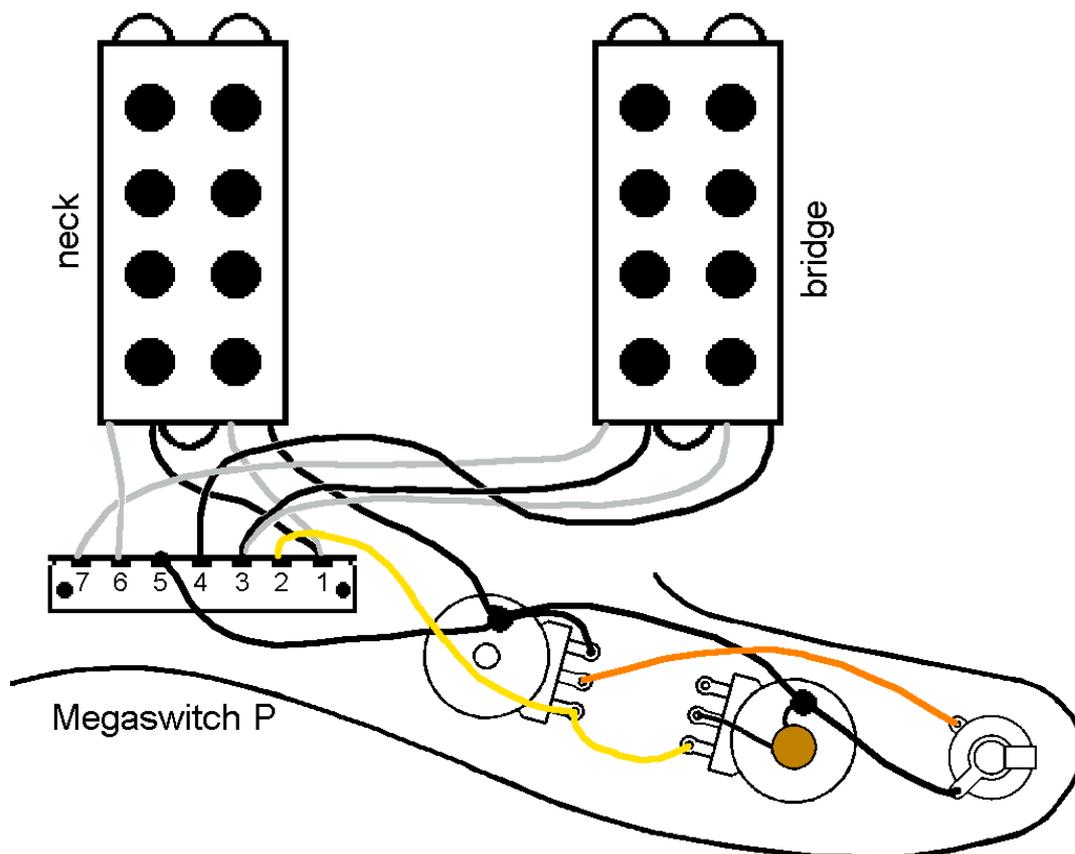
Electrical switching principle



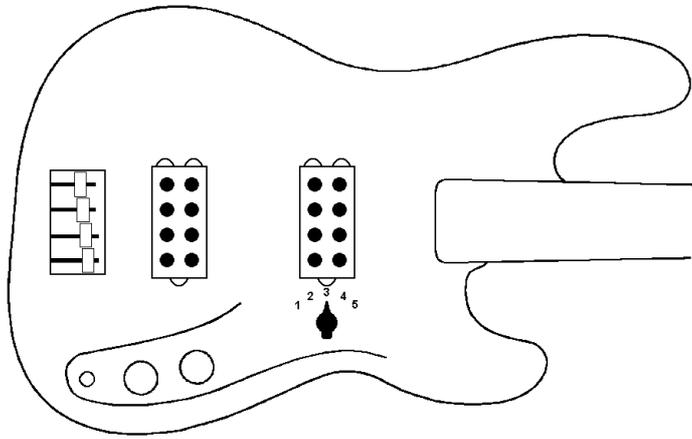
Bass with Megaswitch P, two potentiometers



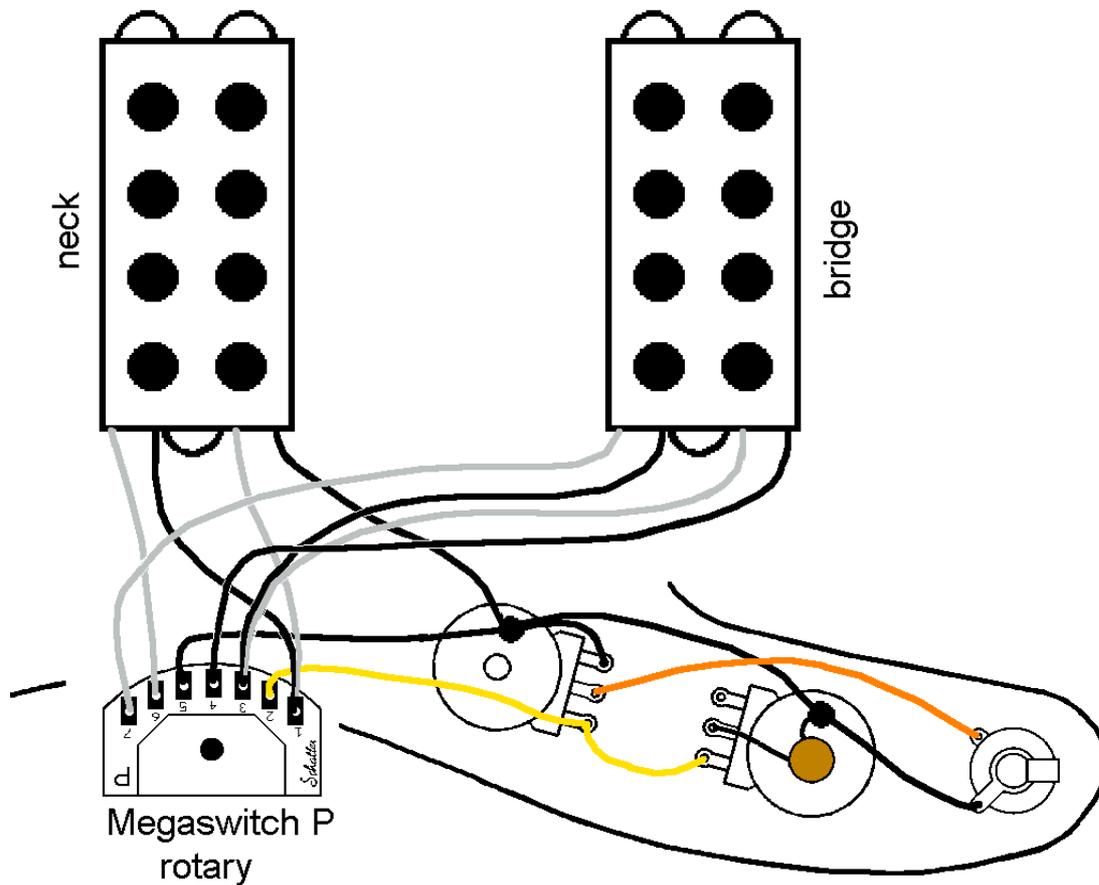
Wiring diagram with Megaswitch P



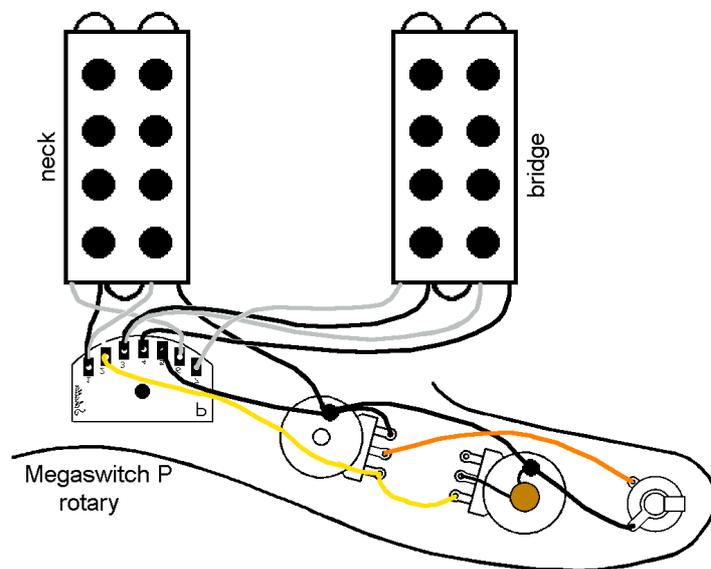
Bass with Megaswitch P rotary switch, two potentiometers



Connection of the rotary switch from the installation



Wiring the rotary switch after installation



Connections:

position

1 bridge humbucker coils in series

2 both outer coils in parallel

3 both inner coils in series

4 both inner coils in parallel

5 neck humbucker coils in series

connections

1 hot connection neck inner coil and cold connection neck outer coil

2 volume regulator right connection and tone regulator grinder

3 hot connection bar outer coil and cold connection bar inner coil

4 cold connection bridge outer coil

5 ground and cold connection neck inner coil

6 hot connection neck outer coil

7 hot connection bar inner coil