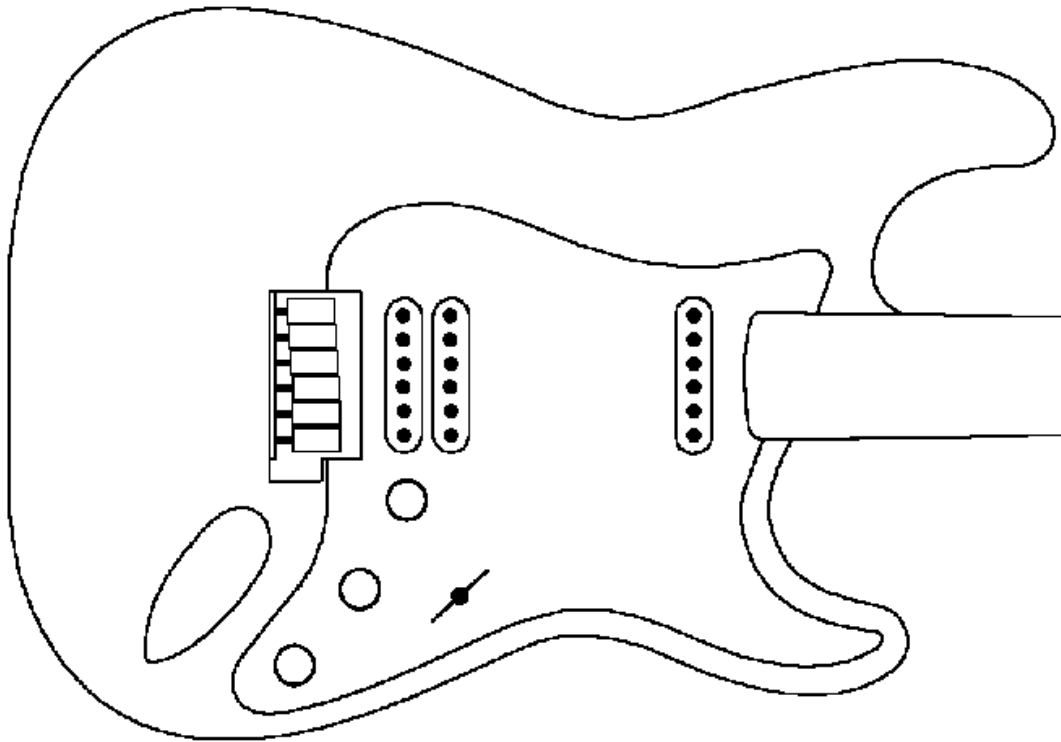


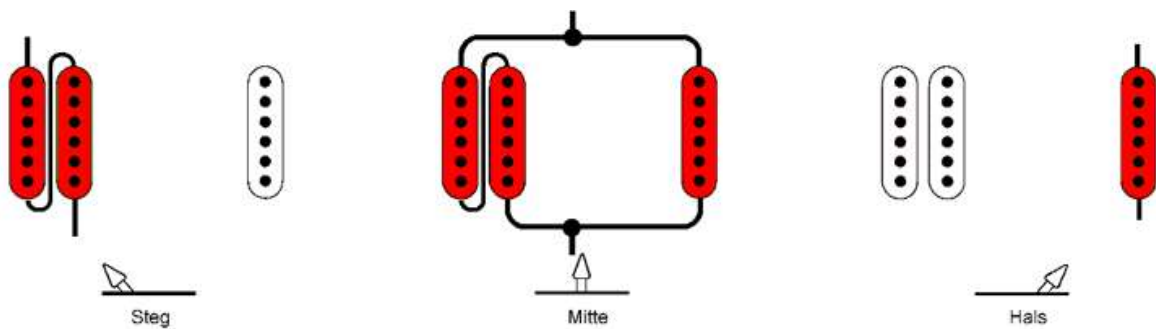
# HS

HS: Humbucker on the bridge, single coil on the neck

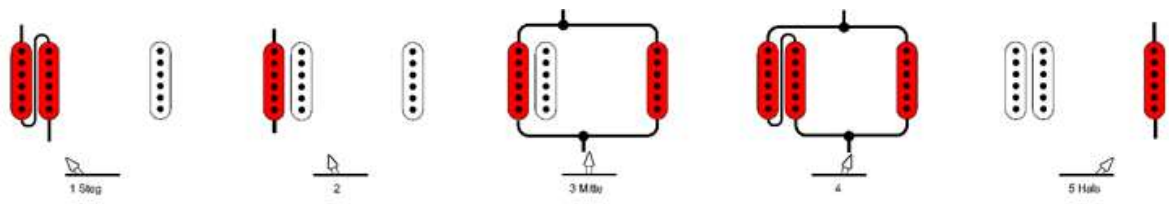
## Overview



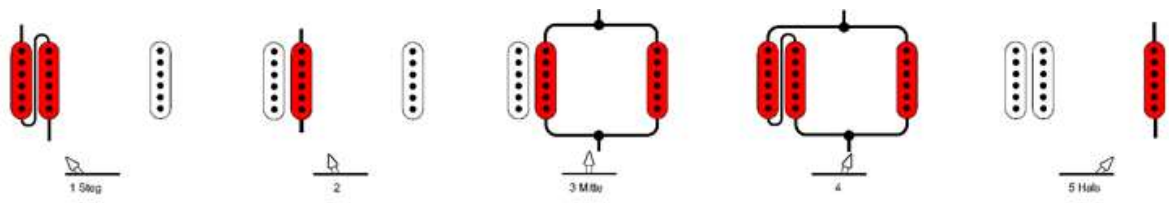
HS1. Standard switching with 3 positions, no splitting, Megaswitch T



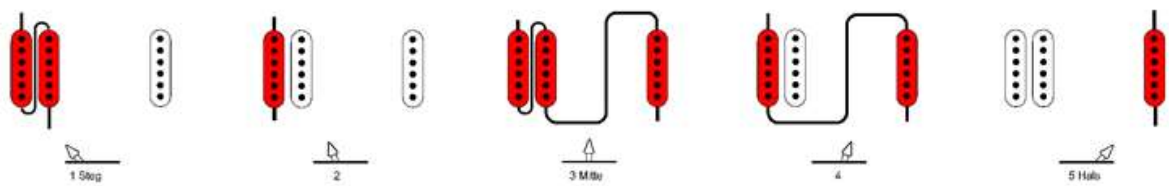
**HS2. Five positions with Humbucker splitting, outer coil, Megaswitch E+**



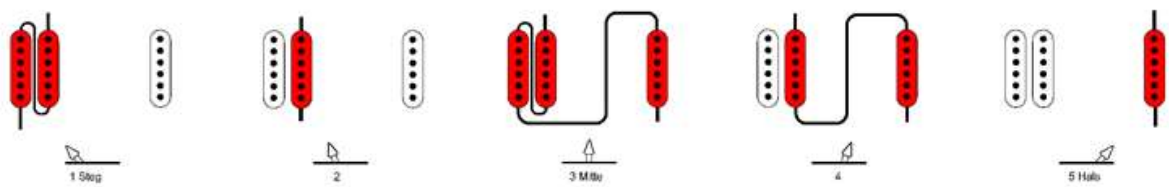
**HS3. Five positions with Humbucker splitting, inner coil, Megaswitch E+**



**HS4. Five positions with switching in series, Humbucker splitting, outer coil, Megaswitch M**



**HS5. Five positions with switching in series, Humbucker splitting, inner coil, Megaswitch M**

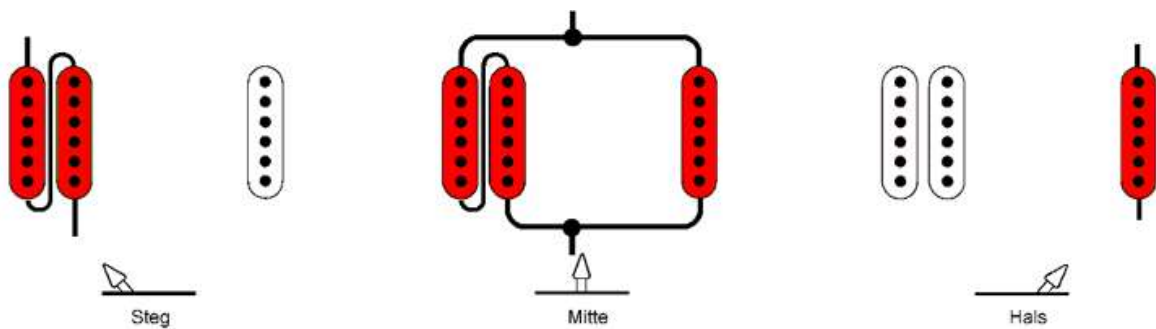


## Detail drawing

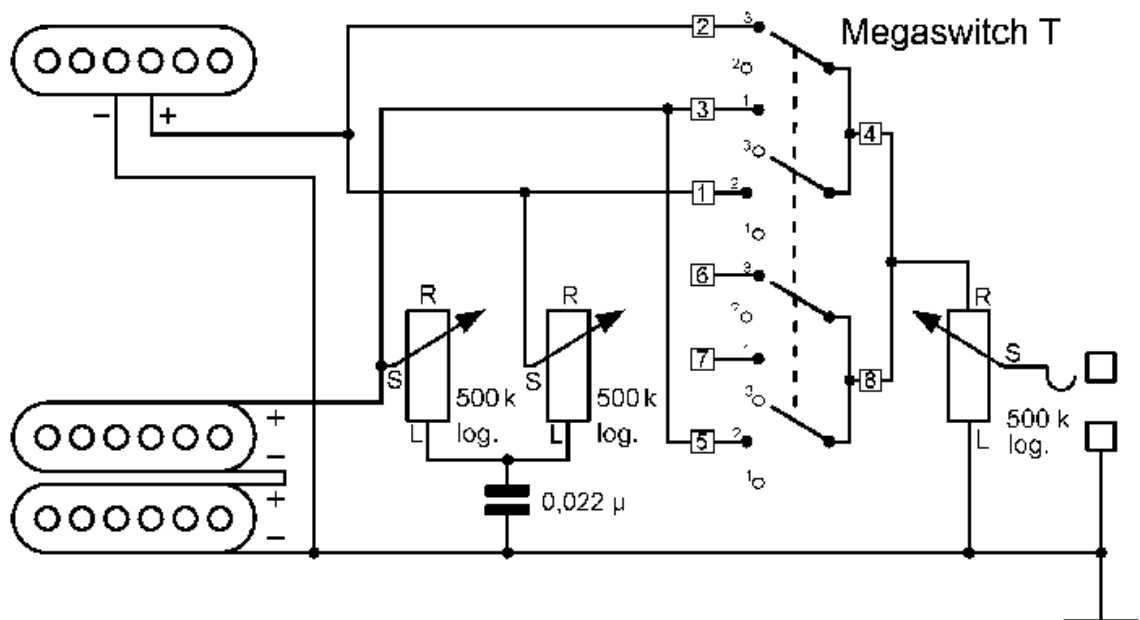
### HS1. Standard switching with 3 positions, no splitting, Megaswitch T

This is the simplest switching system for guitars with a Humbucker on the bridge and a single coil on the neck. The switch has 3 positions and operates the bridge, both parallel and the neck. Each one has its own tone control. The Megaswitch T is ideal for this purpose.

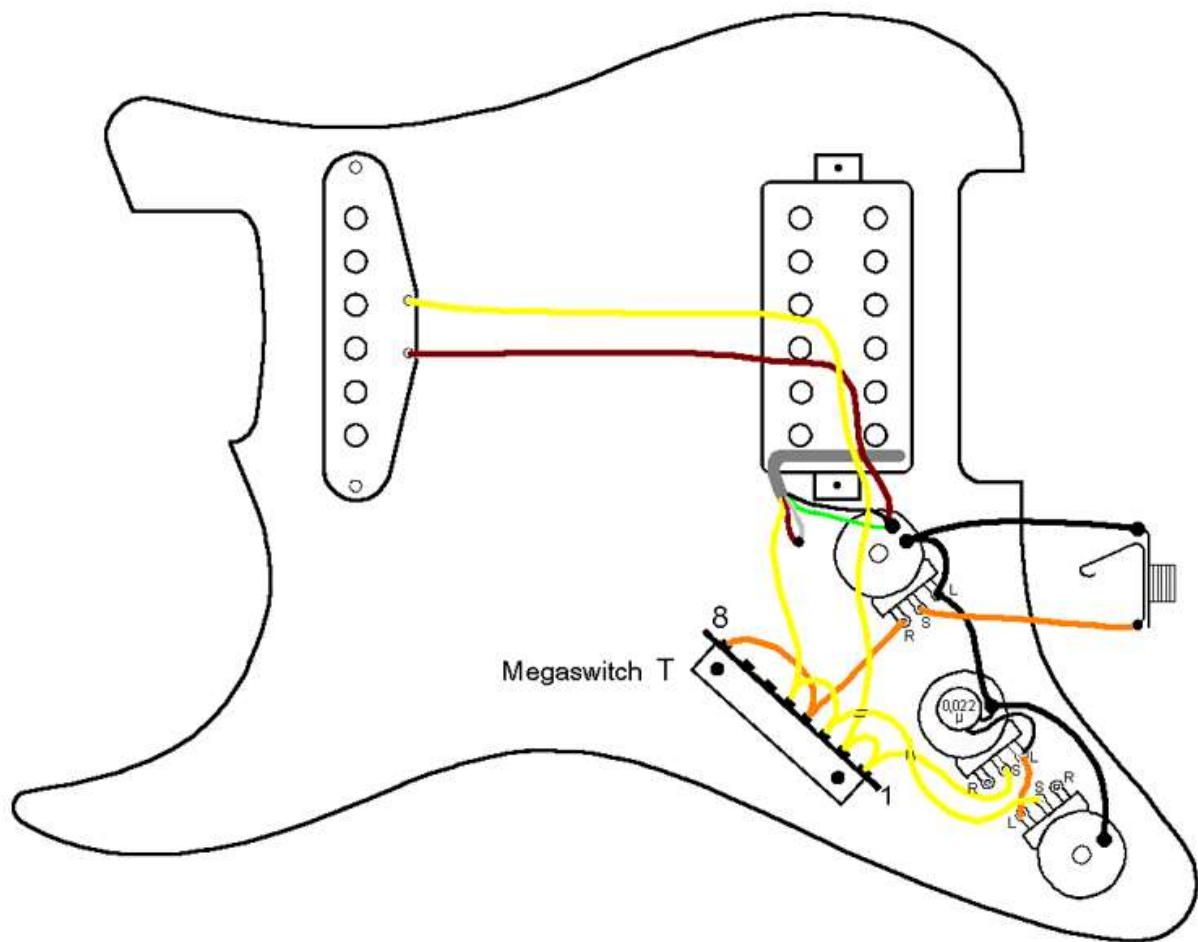
Switching functions:



Electrical switching principle:



Wiring diagram:



### Connections:

Positions

1 bridge

2 mid

3 neck

Connections

1 to 2, neck hot wire

2 to 1, neck hot wire

3 to 5, bridge hot wire

4 to 8, output

5 to 3, bridge hot wire

6 -

7 -

8 to 4, output

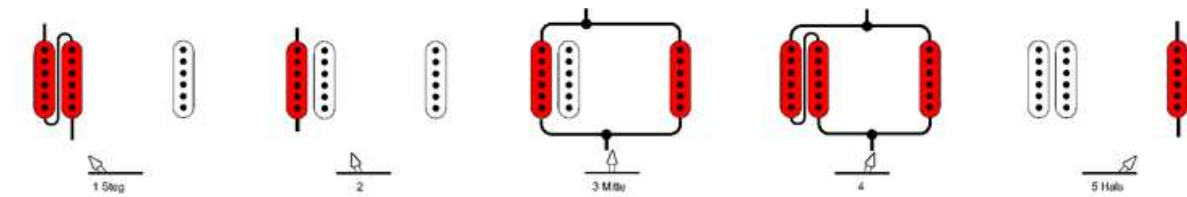
ground: both cold wires

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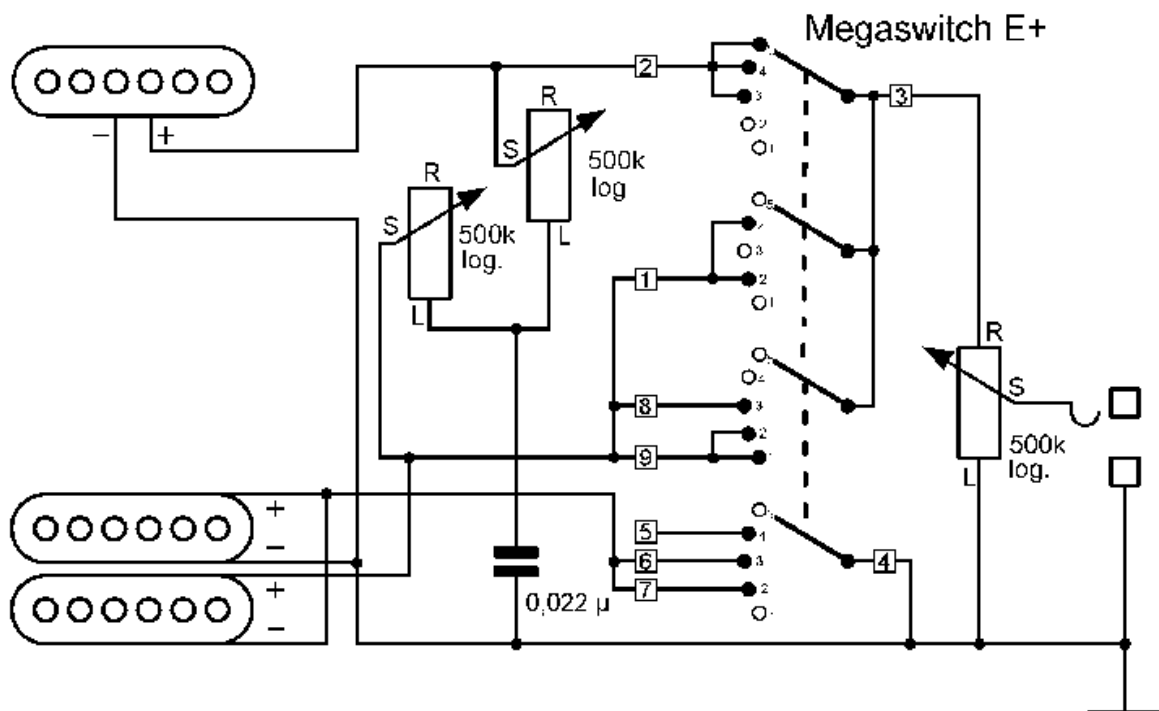
## HS2. Five positions with Humbucker splitting, outer coil, Megaswitch E+

This switching system is for guitars with a Humbucker on the bridge and a single coil on the neck. It allows the humbucker to be split while the outer coil remains active. The inner one is short-circuited. If a buzz-free sound is desired in position 3, the magnetic polarity must be NS-S or SN-N. A Megaswitch E+ is required here.

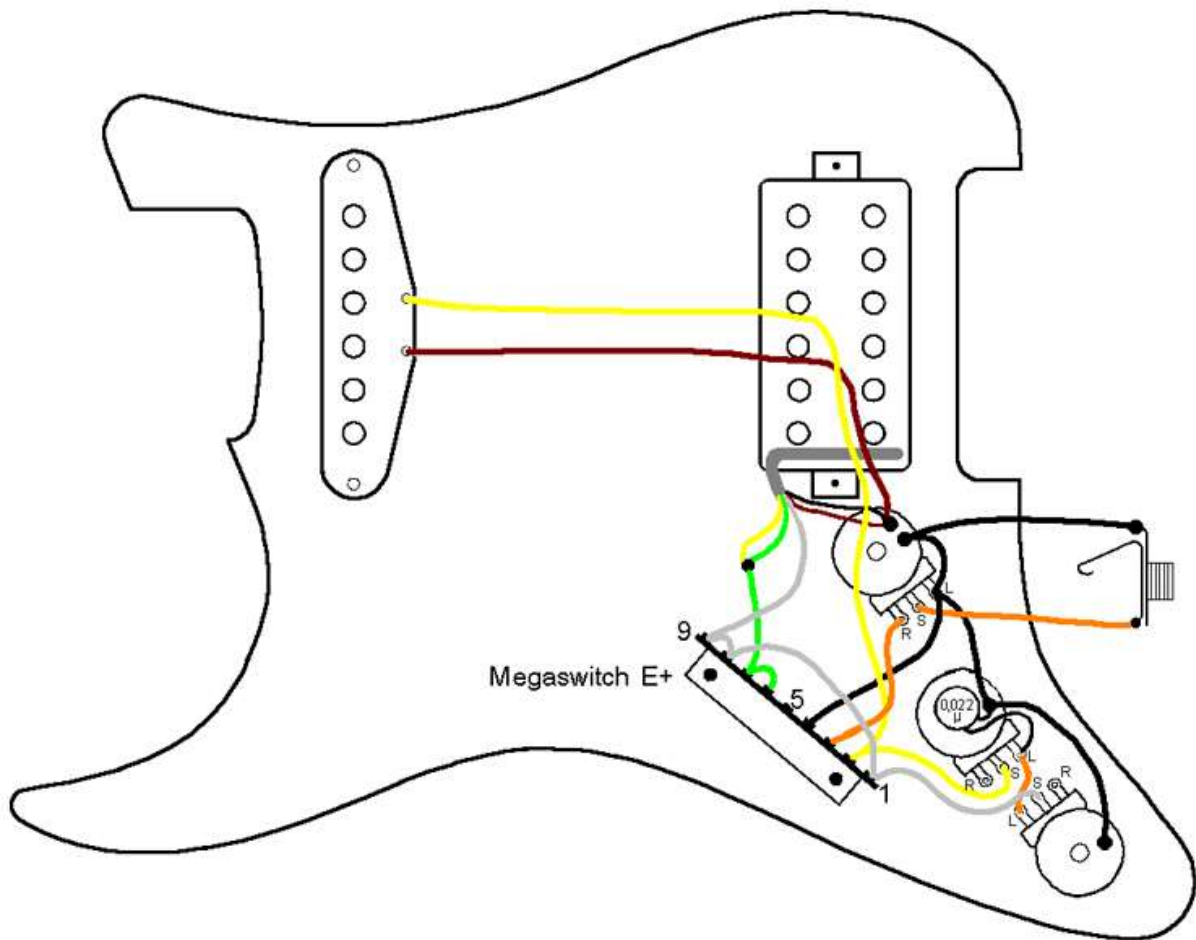
Switching functions:



Electrical switching principle:



Wiring diagram:



### Connections:

Positions

- 1 bridge humbucker
- 2 bridge outer coil
- 3 bridge outer coil and neck parallel
- 4 bridge humbucker and neck parallel
- 5 neck

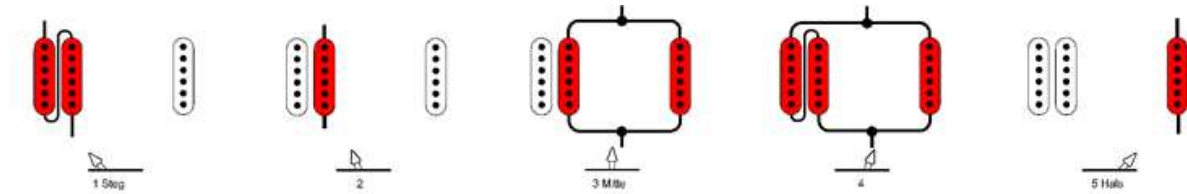
Connections

- 1 to 8 and 9, bridge hot wire outer coil
- 2 neck hot wire
- 3 output
- 4 ground
- 5 -
- 6 to 7, bridge hot wire inner coil
- 7 to 6, bridge hot wire inner coil
- 8 to 1 and 9, bridge hot wire outer coil
- 9 to 1 and 8, bridge hot wire outer coil
- ground: 4, bridge cold wire inner coil, neck cold wire

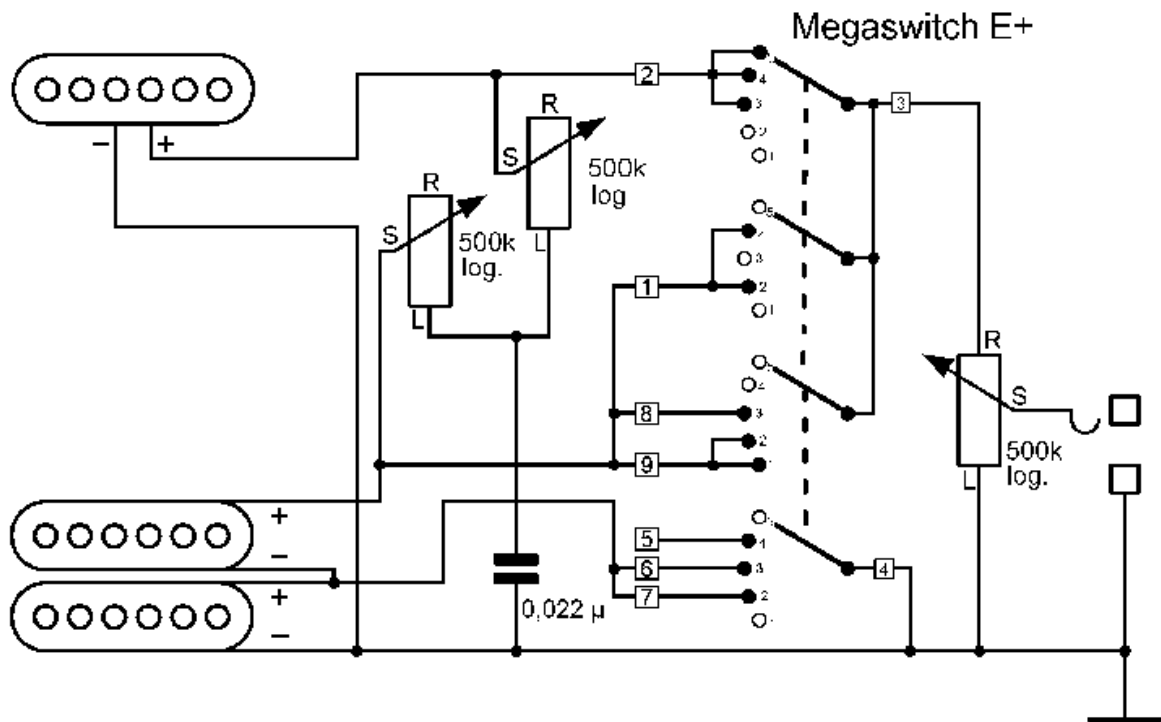
### HS3. Five positions with Humbucker splitting, inner coil, Megaswitch E+

This switching system is for guitars with a Humbucker on the bridge and a single coil on the neck and allows the Humbucker to be split while the inner coil remains active. The outer coil is short-circuited. When a buzz-free signal is required in position 3, the magnetic polarity must be either NS-N or SN-S. A Megaswitch E+ is required here.

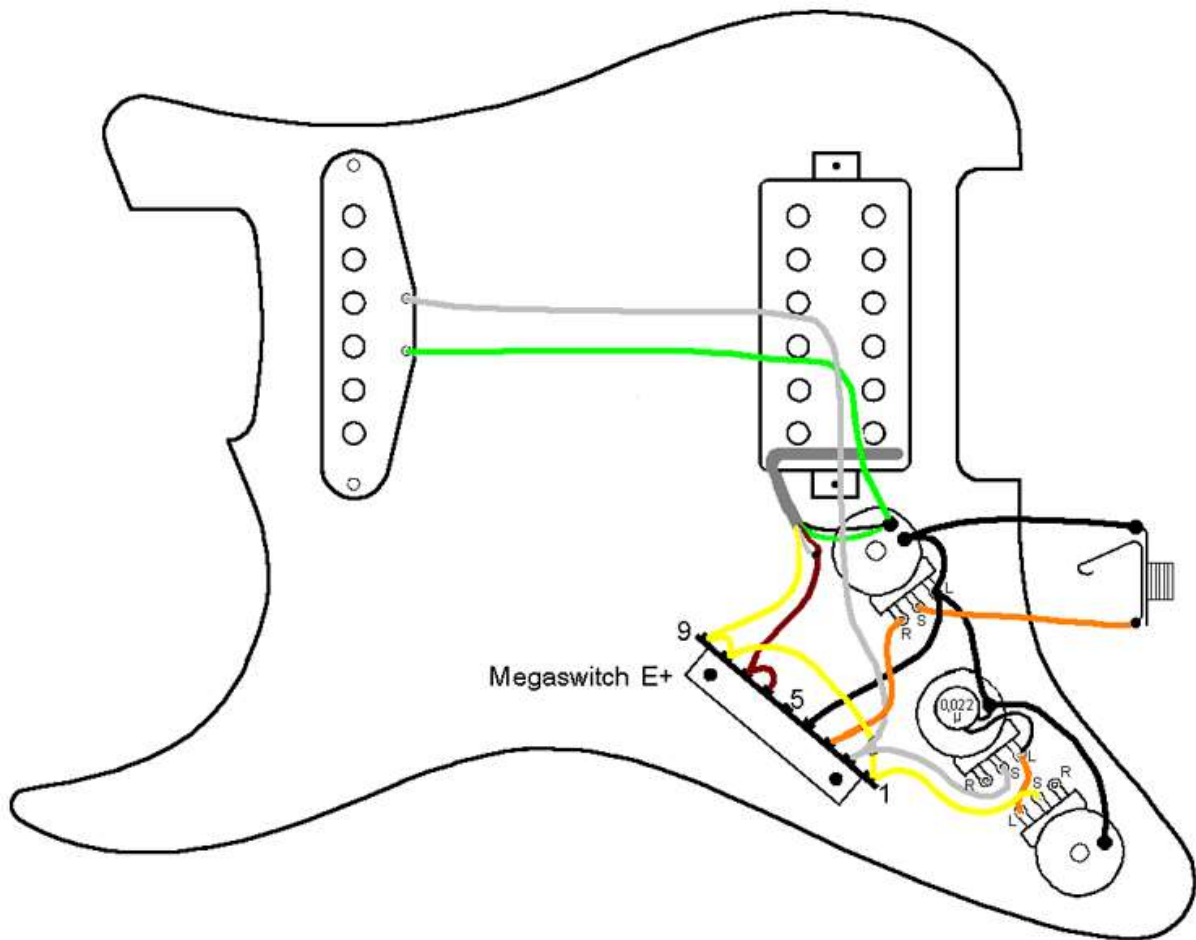
Switching functions:



Electrical switching principle:



Wiring diagram:



### Connections:

Positions

- 1 bridge humbucker
- 2 bridge inner coil
- 3 bridge inner coil and neck parallel
- 4 bridge humbucker and neck parallel
- 5 neck

Connections

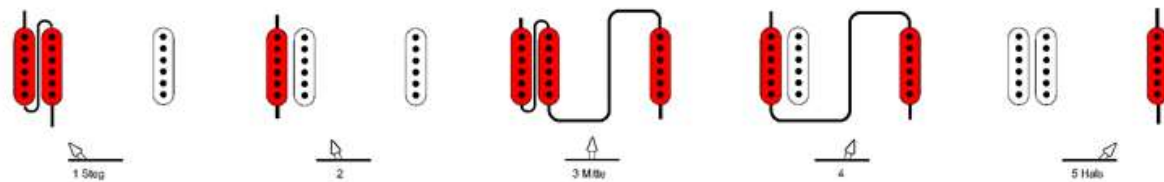
- 1 to 8 and 9, bridge hot wire inner coil
- 2 neck hot wire
- 3 output
- 4 ground
- 5 -
- 6 to 7, bridge hot wire outer coil
- 7 to 6, bridge hot wire outer coil
- 8 to 1 and 9, bridge hot wire inner coil
- 9 to 1 and 8, bridge hot wire inner coil
- ground: 4, bridge cold wire outer coil, neck cold wire



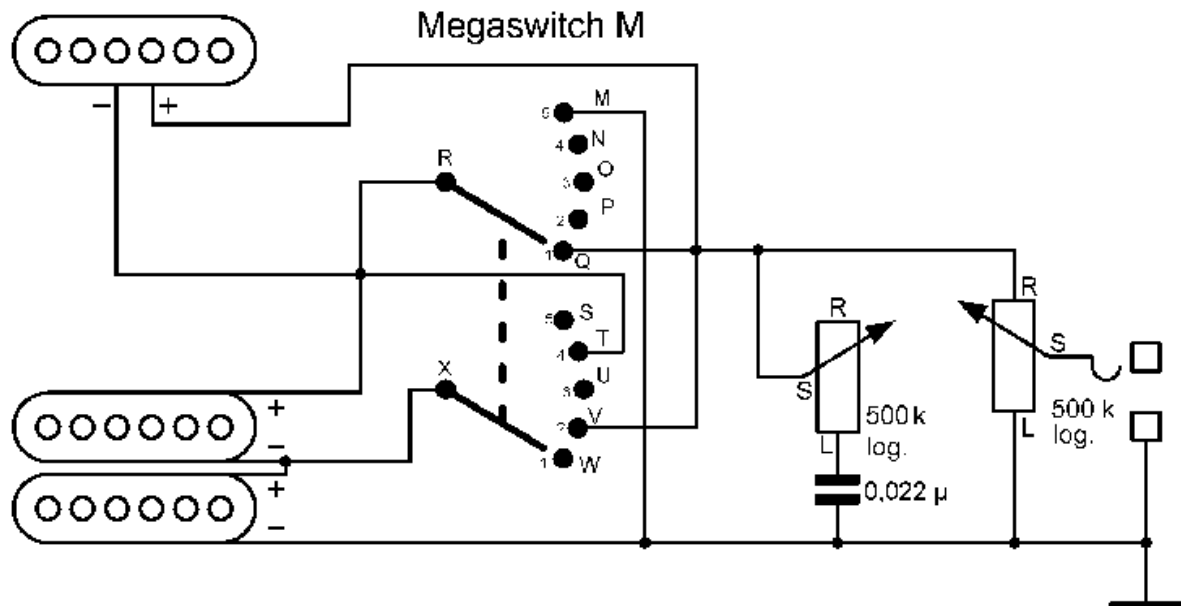
## HS4. Five positions with switching in series, Humbucker splitting, outer coil, Megaswitch M

This switching system is for guitars with a Humbucker on the bridge and a single coil on the neck and allows both pickups to be switched in series which creates a lower, fuller sound. Here, the Humbuckers can be split while the outer coil remains active. The inner coil is short-circuited. If a buzz-free sound is required in position 4, the magnetic polarity must be either NS-S or SN-N. The neck pickup has to be a symmetrical type, as in Figure 1 or Figure 3 in the introduction, i.e. the wire windings should not be connected to a metal cap. Here, the Megaswitch M is used.

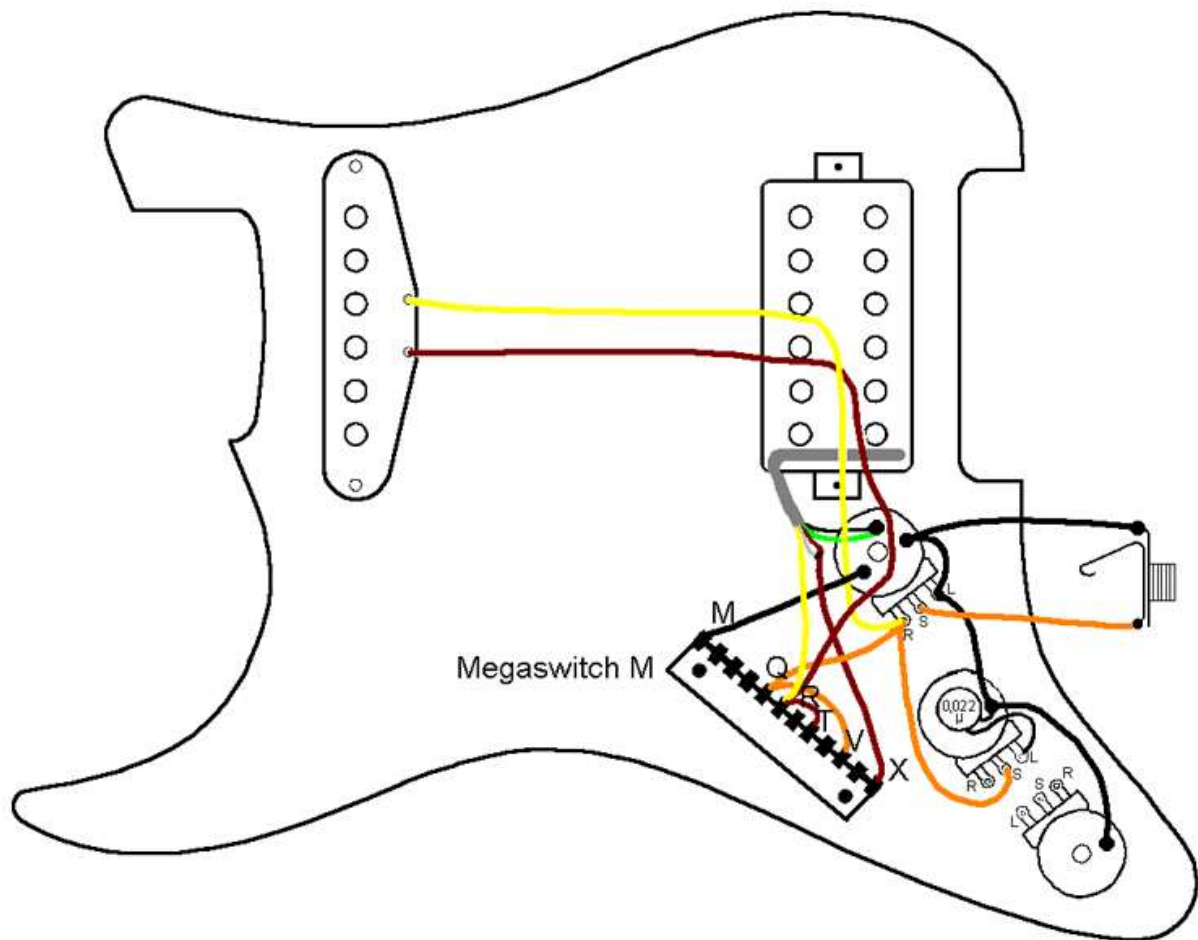
Switching functions:



Electrical switching principle:



Wiring diagram:



**Connections:**

Positions

- 1 bridge humbucker
- 2 bridge outer coil
- 3 bridge humbucker and neck in series
- 4 bridge outer coil and neck in series
- 5 neck

## Connections

M ground

N -

O -

P -

Q to V, neck hot wire, output

R to T, bridge hot wire inner coil and neck cold wire

S -

T to R, bridge hot wire inner coil and neck cold wire

U -

V to Q, neck hot wire, output

W -

X - bridge hot wire outer coil and cold wire inner coil

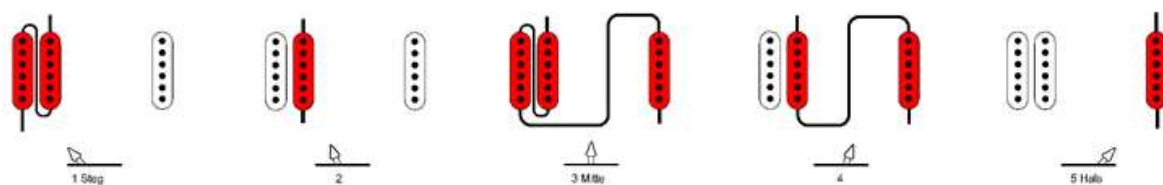
ground: M, bridge cold wire outer coil

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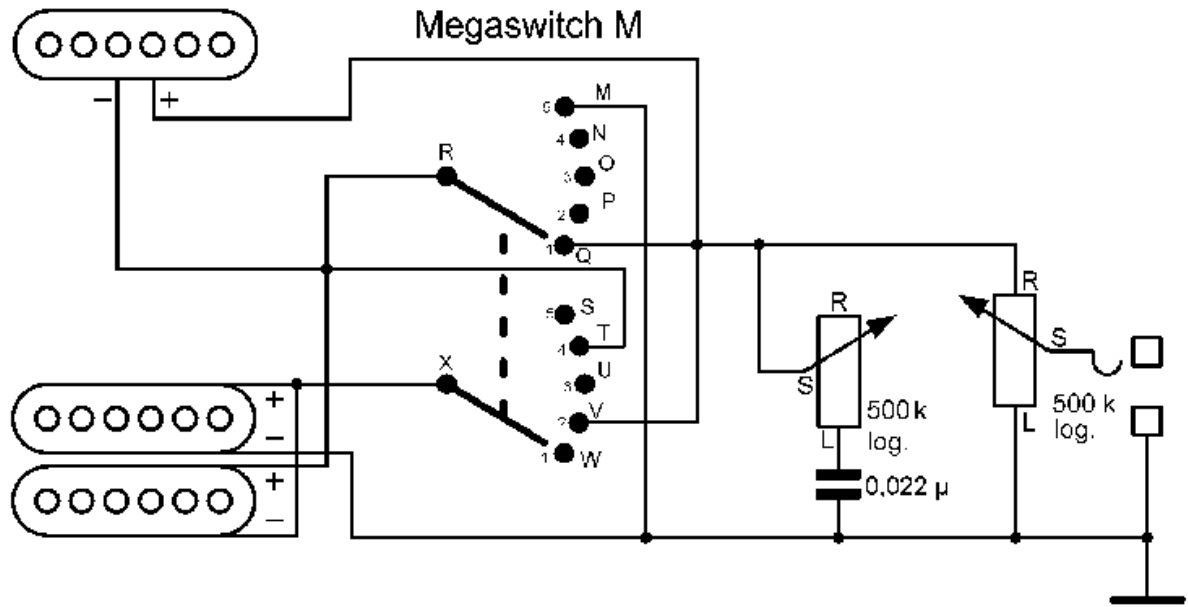
## HS5. Five positions with switching in series, Humbucker splitting, inner coil, Megaswitch M

This switching system is for guitars with a Humbucker on the bridge and a single coil on the neck and allows both pickups to be switched in series, which creates a louder, fuller sound. Here, it is possible to split the Humbucker, while the inner coil remains active. The outer coil is short-circuited. The neck pickup has to be a symmetrical type such as in Figure 1 and 3 in the introduction, i.e. the wire windings may not be connected to a metal cap. If a buzz-free sound is required in position 4, the magnetic polarity must be be NS-N or SN-S. Here, a Megaswitch M is used.

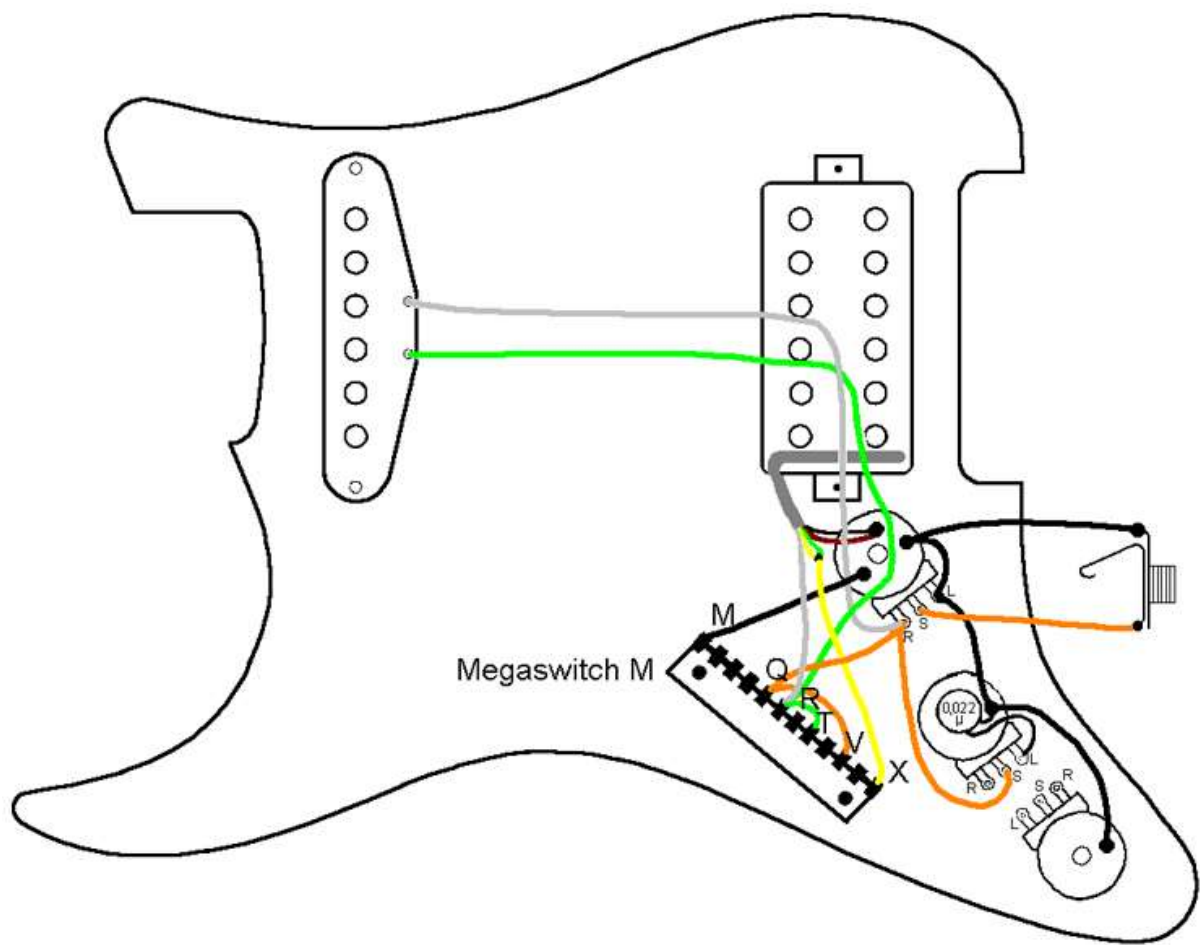
Switching functions:



Electrical switching principle:



Wiring diagram:



## Connections:

### Positions

- 1 bridge humbucker
- 2 bridge inner coil
- 3 bridge humbucker and neck in series
- 4 bridge inner coil and neck in series
- 5 neck

### Connections

- M ground
- N -
- O -
- P -
- Q to V, hot wire neck, output
- R to T, bridge hot wire outer coil and neck cold wire
- S -
- T to R, bridge hot wire outer coil and neck cold wire
- U -
- V to Q, neck hot wire, output
- W -
- X bridge hot wire inner coil and cold wire outer coil
- ground: M, bridge cold wire inner coil