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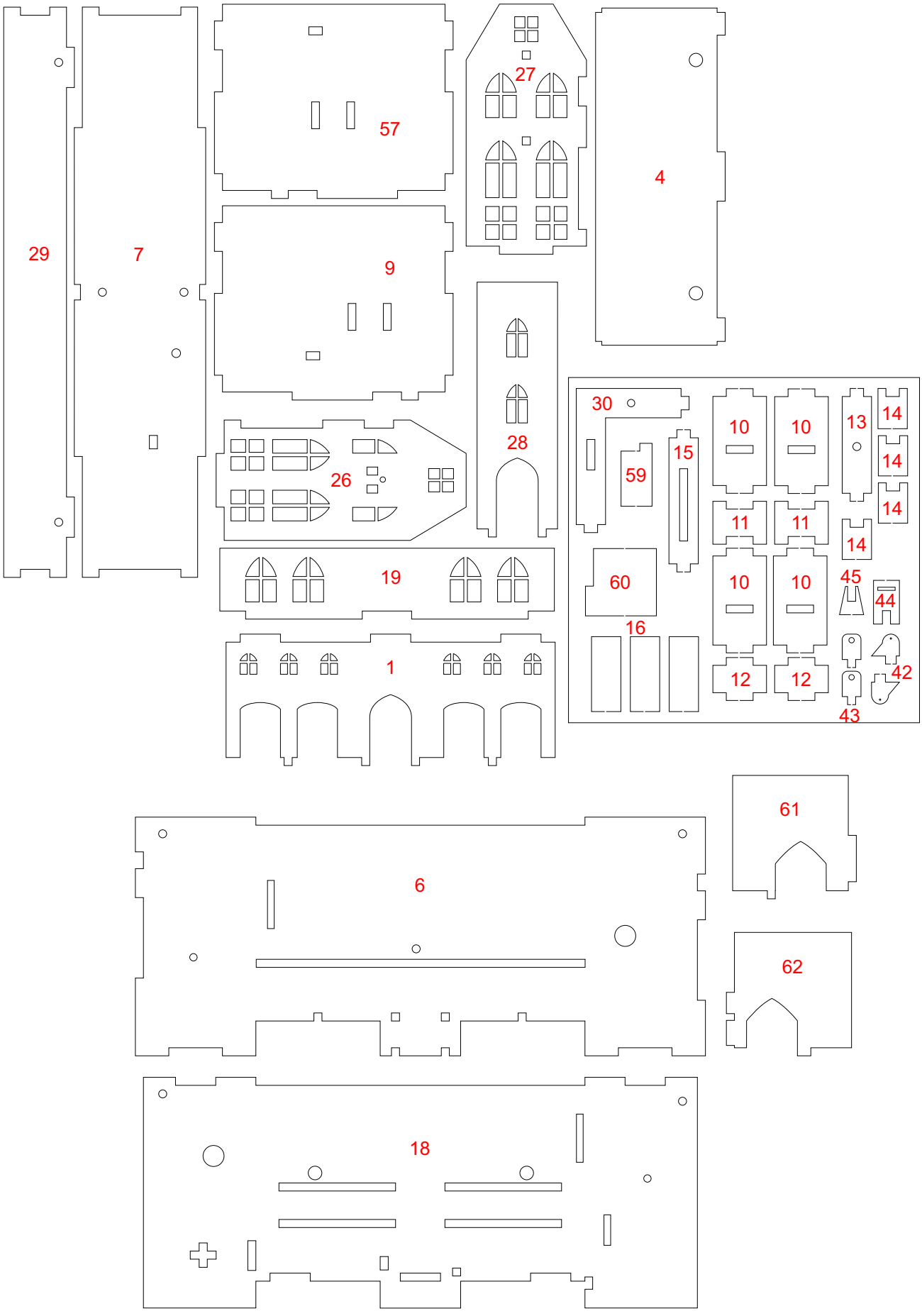

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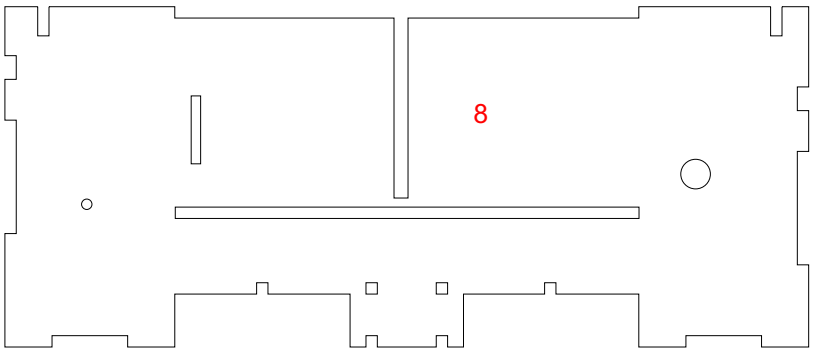
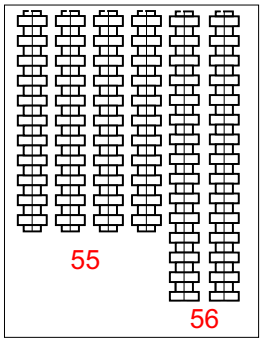
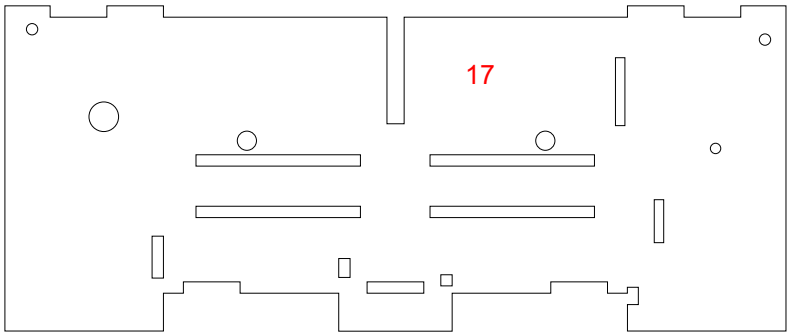
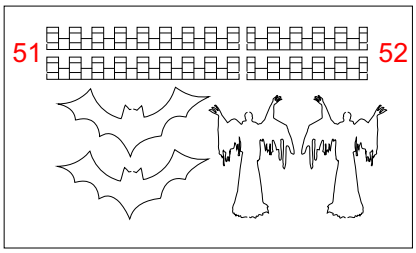
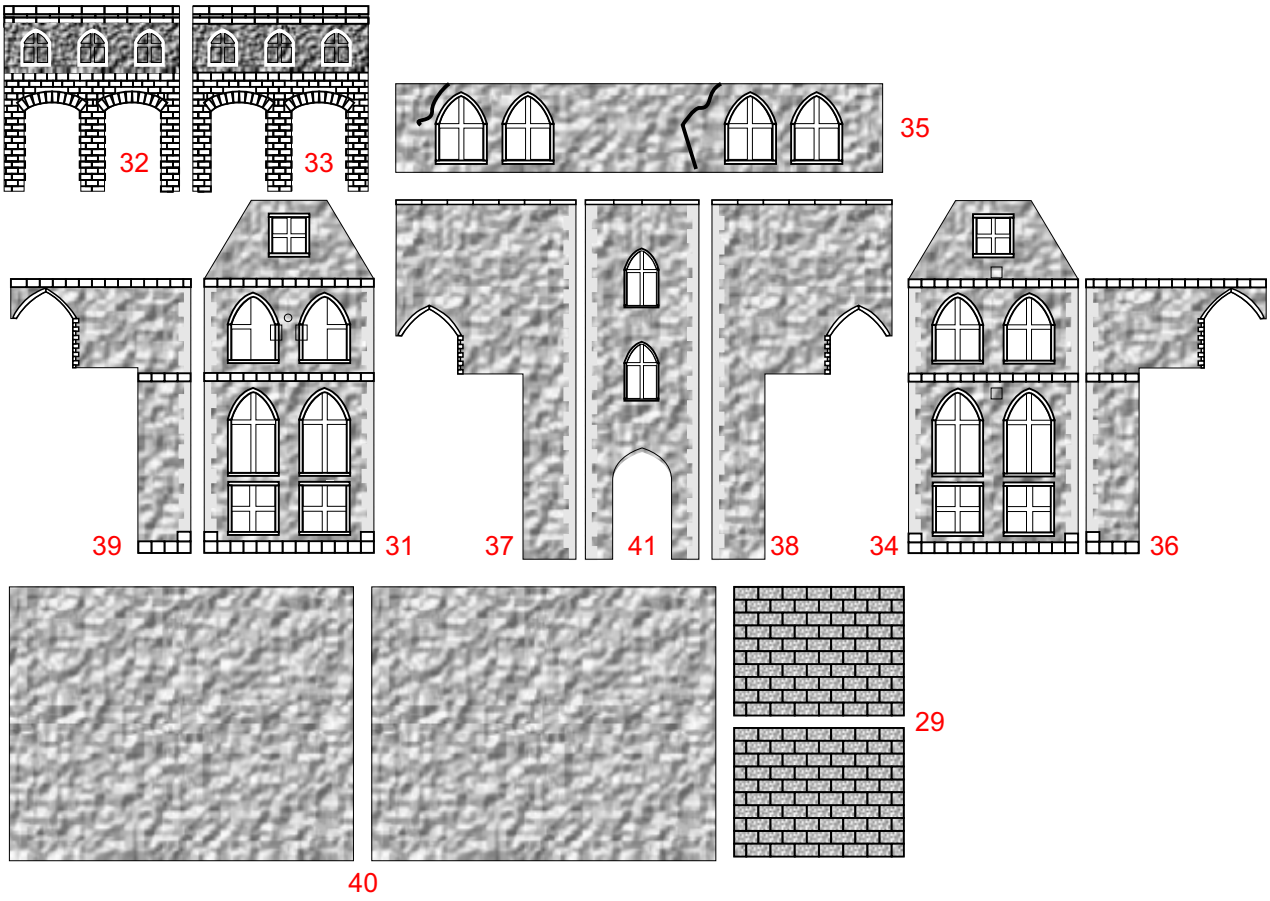








Geister und Fledermause sind als Deko gedacht.
Ghosts and bats may be used as decoration



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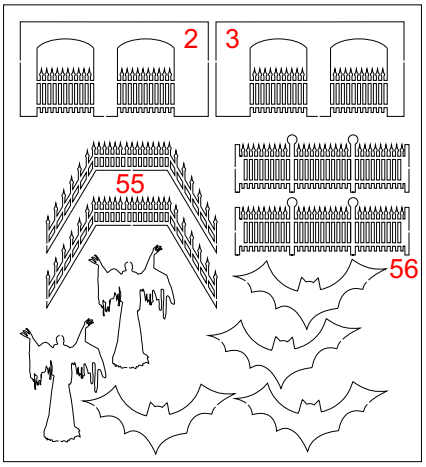
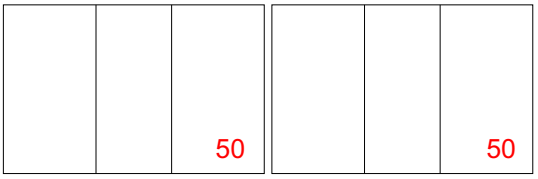
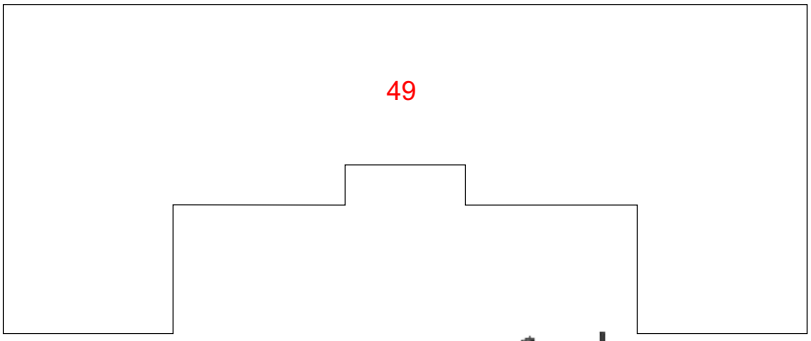
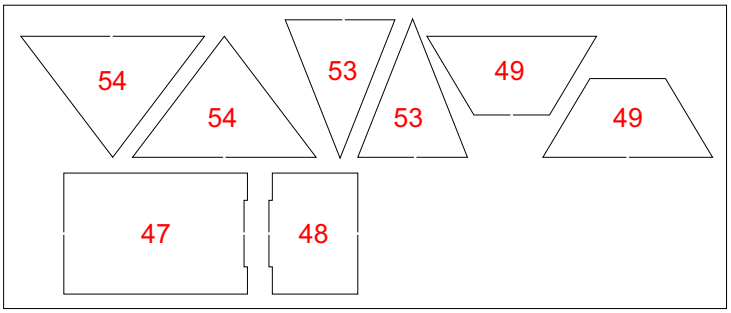
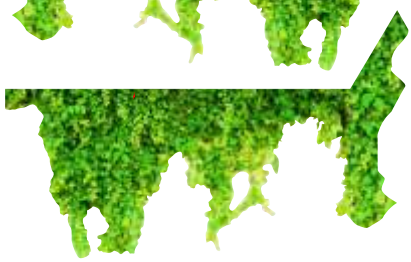


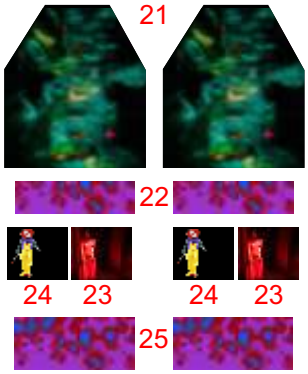
Geister und Fledermause sind als Deko gedacht.
Ghosts and bats may be used as decoration



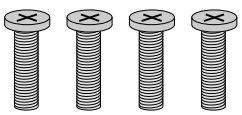






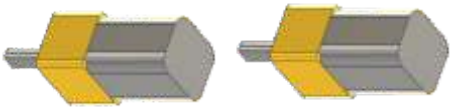


2x Zahnriemen 2GT 400

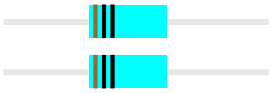


4x Schraube M3x25mm

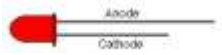
Federstahldraht / Springwire 100x0,5mm



2x Mikro Getriebemotor
N20 - 12V - 298:1 - max 54 U/min



2x Widerstand / Resistor 100k



4x LED
Schoenwitz_01-01-04-01

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Allgemeine Hinweise:

Dieser Bausatz enthält 2 Motoren und 4 LEDs. Obwohl die Motoren für 12V Gleichspannung geeignet sind, empfiehlt es sich die Motoren mit maximal 5 Volt zu speisen, da sonst die Geschwindigkeit sehr unrealistisch wirkt.
Die LEDs können nur auf 12V Gleichspannung angeschlossen werden, wenn die mitgelieferten Widerstände angelötet sind.

Um auch nachher noch Zugriff auf das Innere zu haben, empfehlen wir die ab Schritt 19 zu verwendenden Teile an den markierten Stellen nicht zu kleben. Damit ist es möglich die obere Etage auch nach dem Bau zu entfernen.

Für das Zusammenkleben empfehlen wir unseren Lasercut Universalkleber (Art.-Nr.: MU_N-A10000).
Des weiteren brauchen Sie Sekundenkleber (zB. unseren Kleber Rocket Rapid CA (Art.-Nr.: Deluxe_AD44)

General instructions.

This kit contains 2 motors and 4 leds. The motors are suited for 12V DC power supplies. However we advise to use 5V DC maximum, since this results in the most realistic movement of the carts.
The leds may be connected to 12V DC directly, provided you have soldered the supplied resistors to them.

In order to be able to access the inner workings after you have finished building the kit, we advise to not glue the areas which are marked after step 19. This way you can remove the upper part later on.

For gluing the kit we advise the use of our Lasercut Universalkleber (Art.-Nr.: MU_N-A10000).
Some parts must be fixed using cyanoacrylate glue (eg Roket Rapid CA (Art.-Nr.: Deluxe_AD44)

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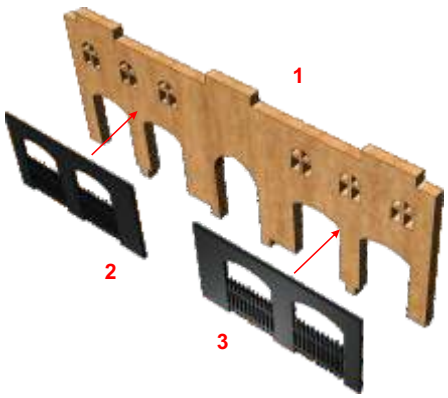

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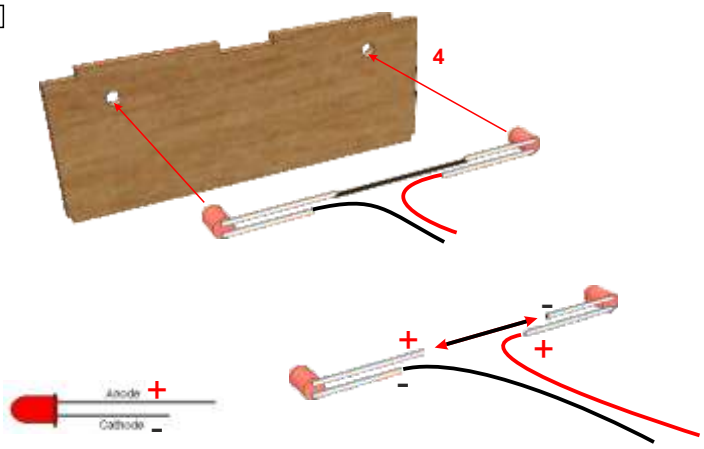

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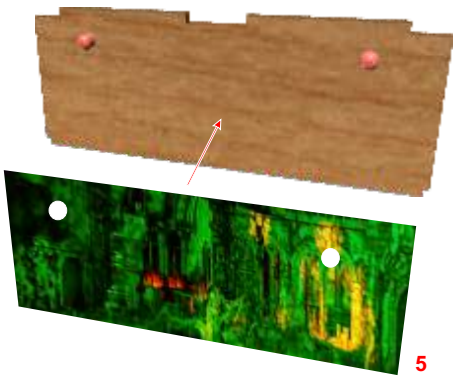

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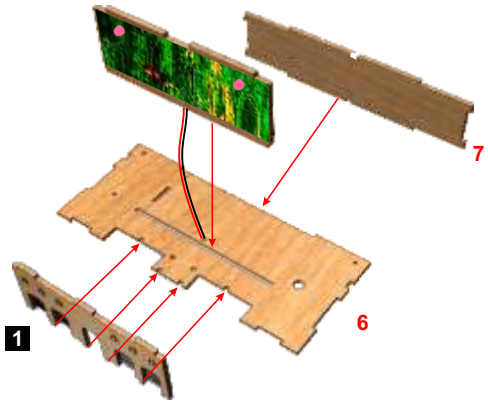

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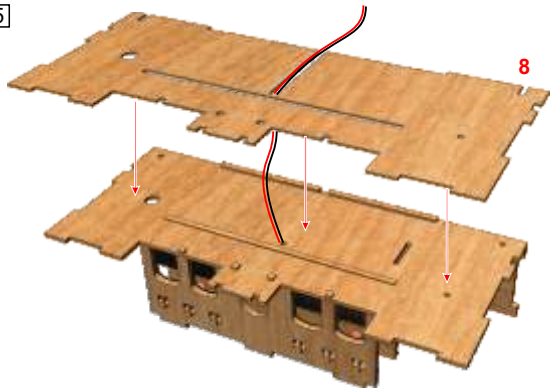

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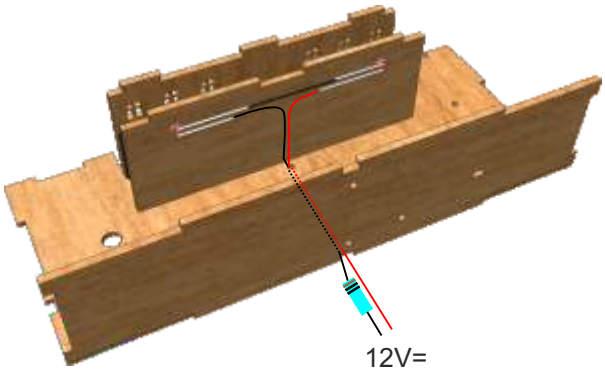

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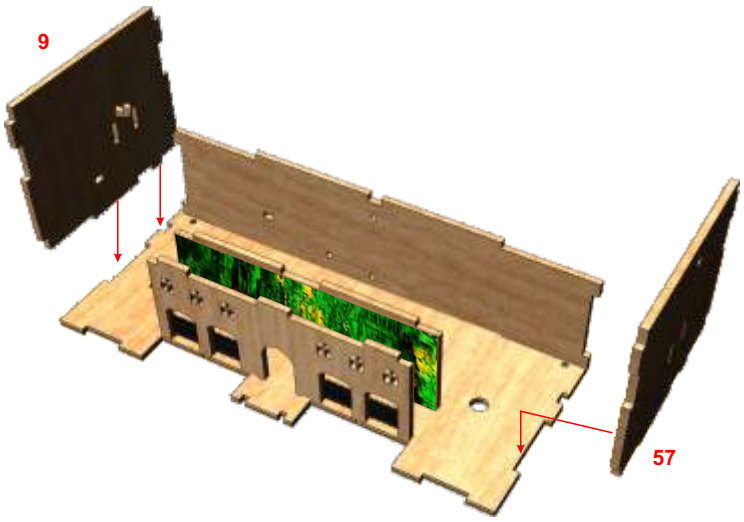

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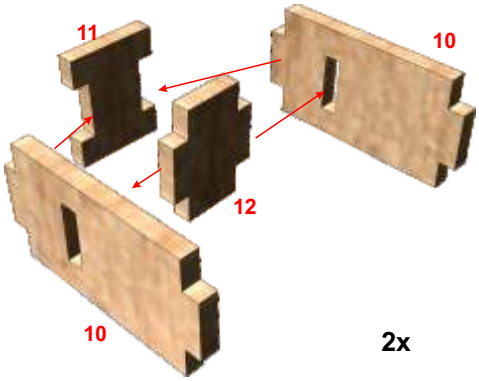

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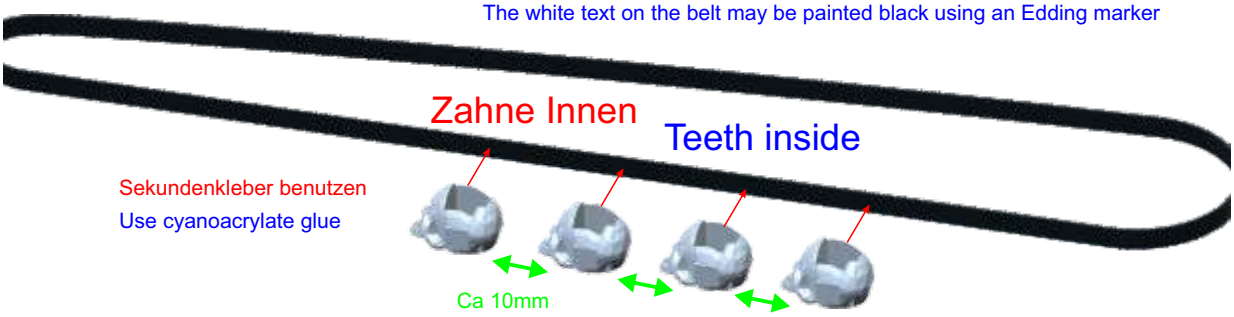
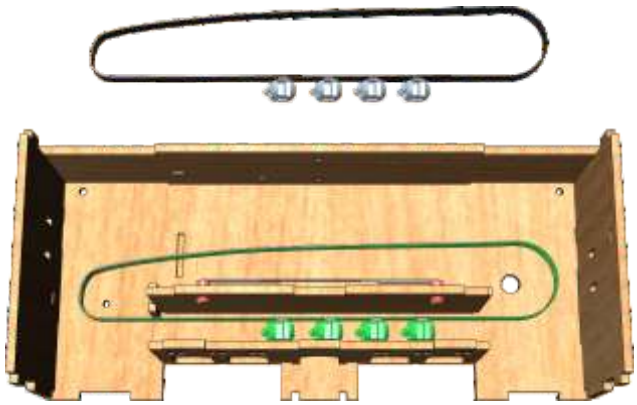
9

Der weiße Text auf dem Riemen kann mit einem Edding Stift schwarz gefärbt werden.
The white text on the belt may be painted black using an Edding marker



10

Riemen positionieren
Position belt



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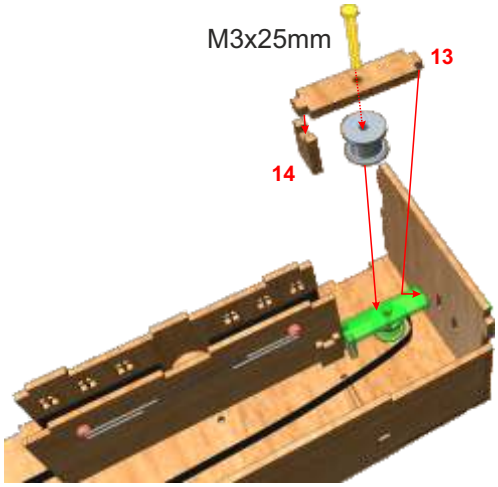
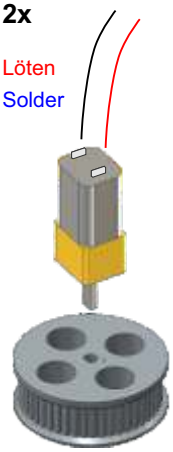
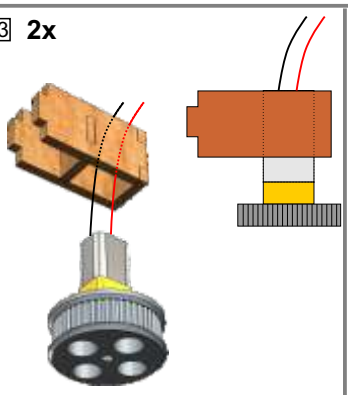


12 **2x**

Löten
Solder



13 **2x**



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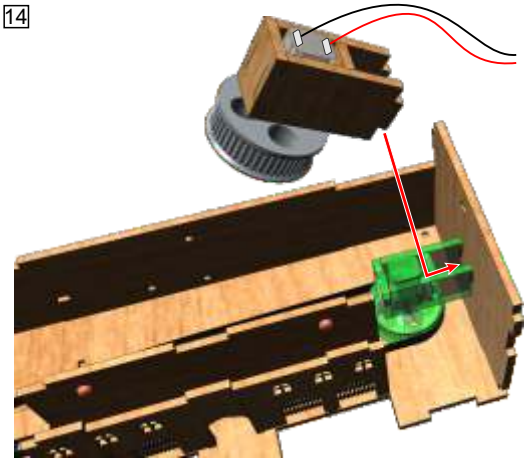
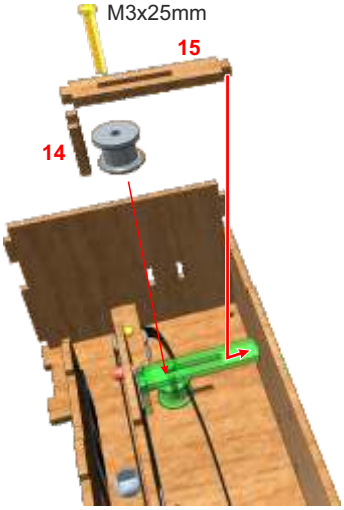


15

Diese Teile werden benutz zur Justierung der Spannung auf dem Zahnriemen.
Achten Sie bitte darauf dass der Riemen nicht zu stramm läuft.
Wenn die richtige Spannung erreicht ist kann die Schraube festgedereht werden.
Ggf könne Sie die Schraube noch mit Sekundenklber an der Unterseite der Boden-platte fixieren.

These parts are used to adjust the tension on the belt. Make sure it has enough slack to move fluently.
When ready tighten the screw. If you wish, you may fix the screw to the underside of the groundplate using cyanoacrylate glue.



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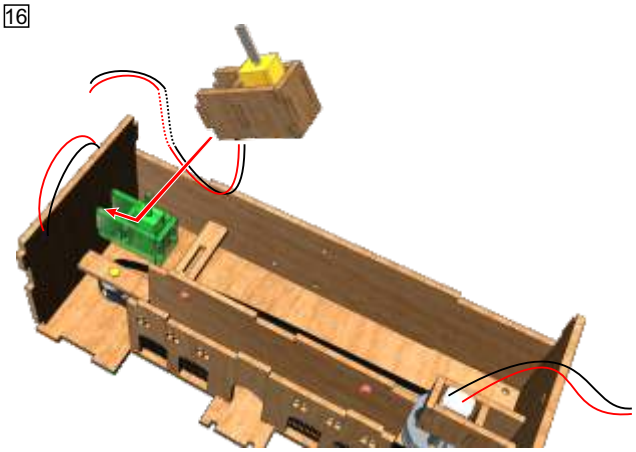

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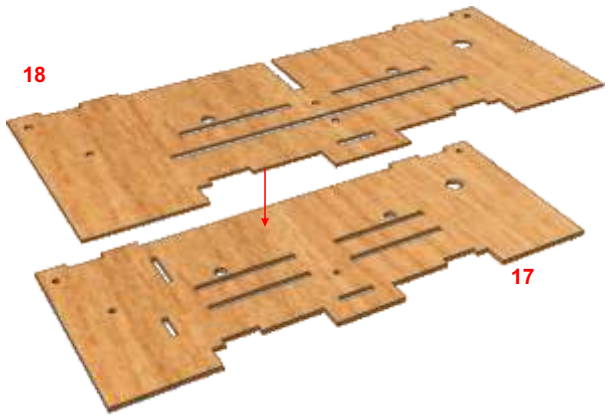
17



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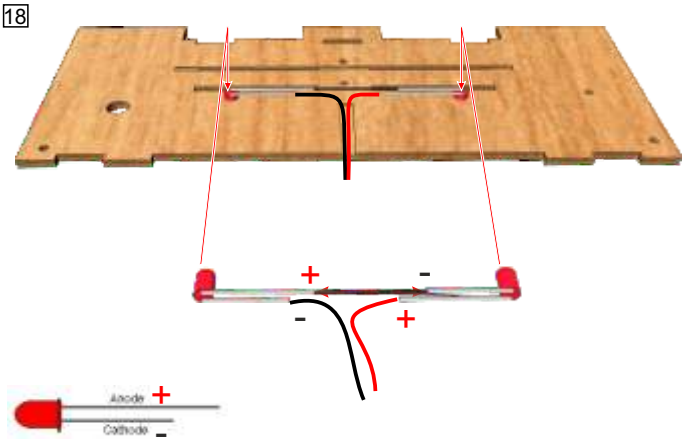

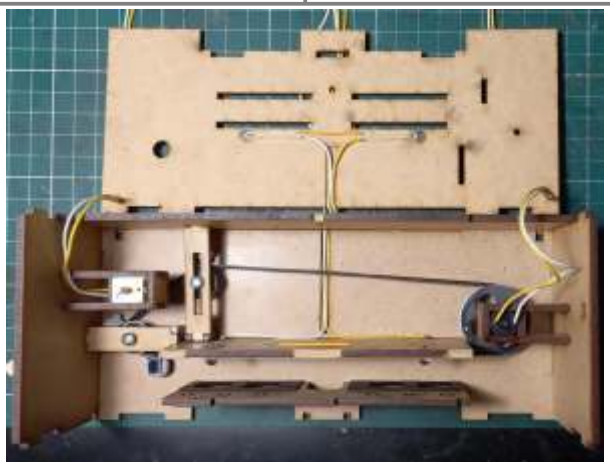

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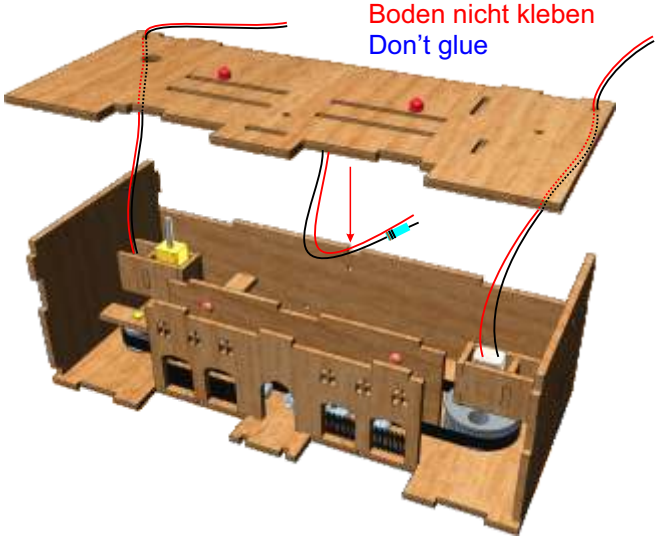

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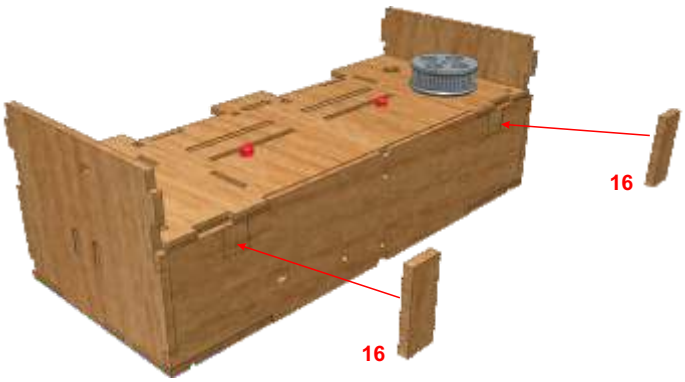

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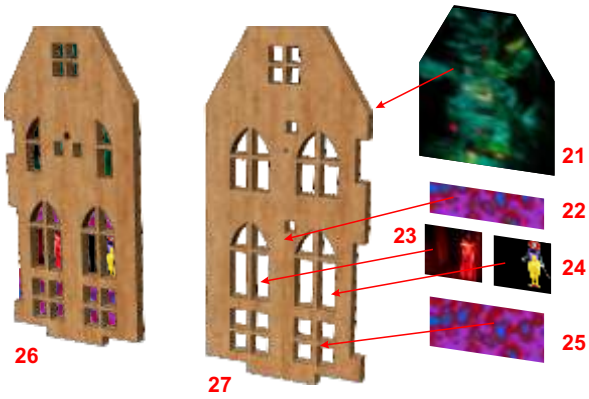

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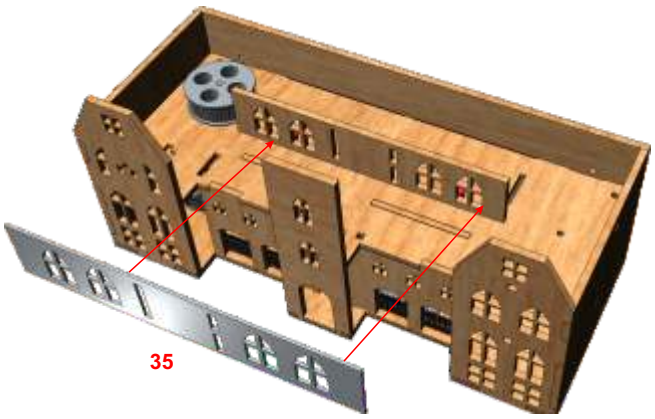
23

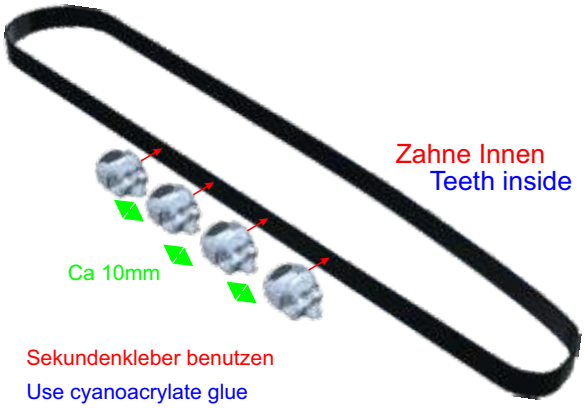
24



25

Der weiße Text auf dem Riemen kann mit einem Edding Stift schwarz gefärbt werden.

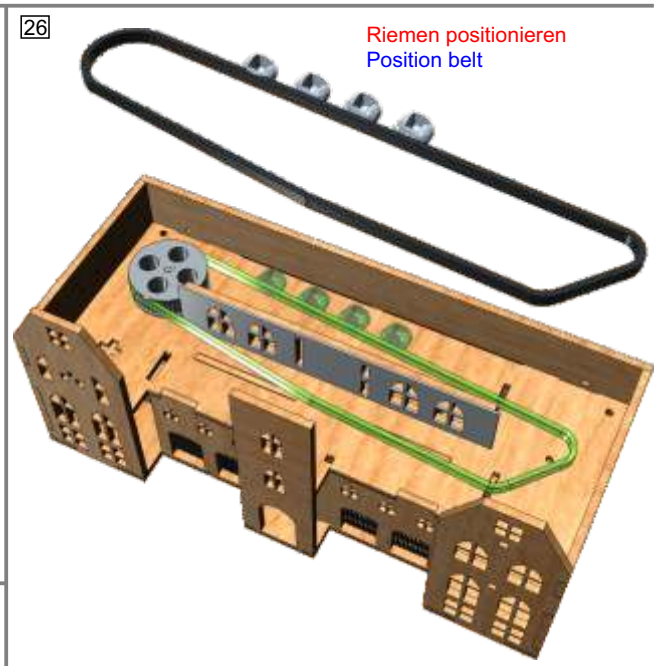
The white text on the belt may be painted black using an Edding marker



Sekundenkleber benutzen

Use cyanoacrylate glue

26



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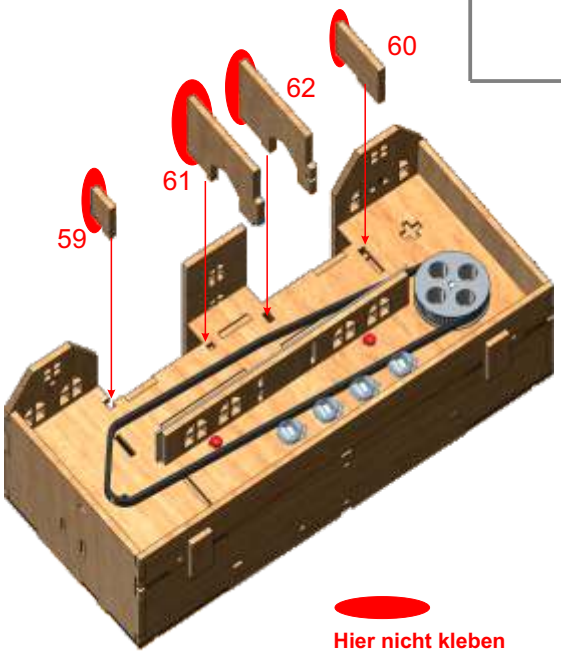

Hier nicht kleben
Don't glue here

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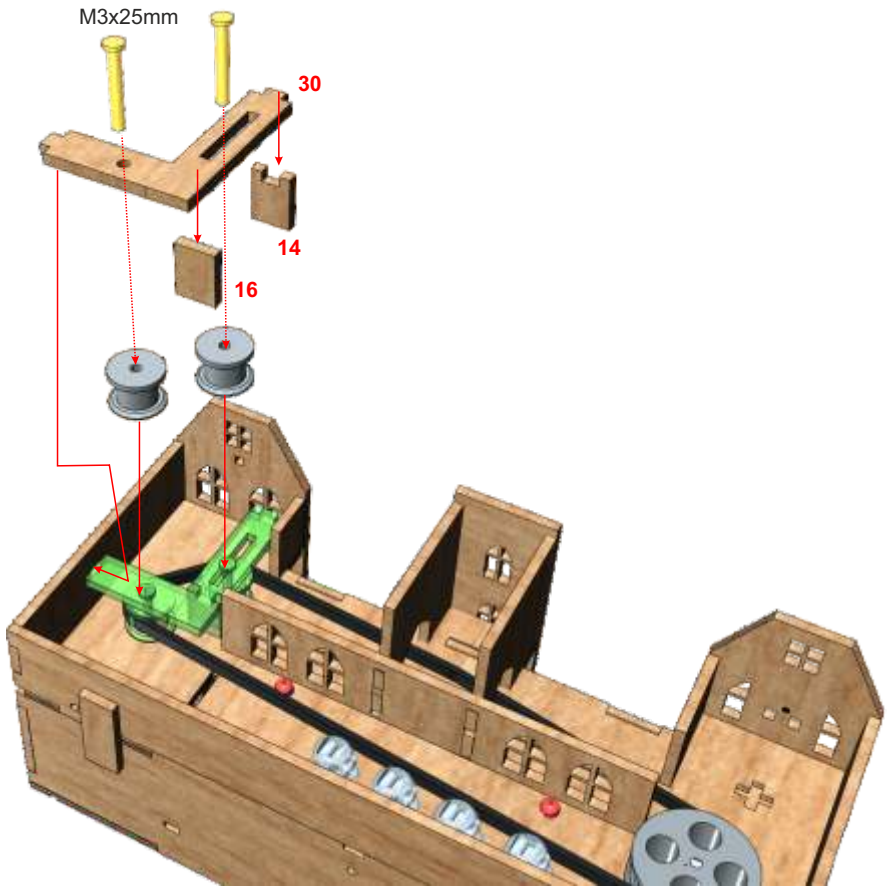
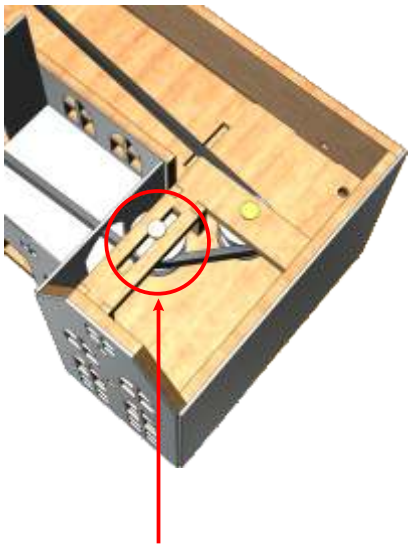
28

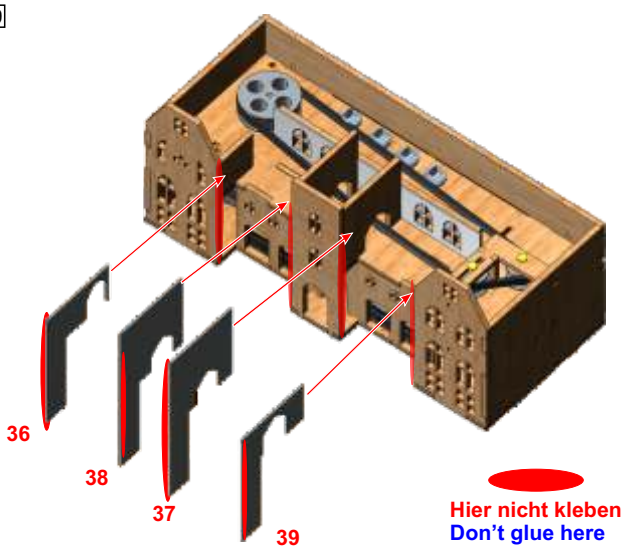




Die markierte Teile werden benutz zur Justierung der Spannung auf dem Zahnriemen.
Achten Sie bitte darauf dass der Riemen nicht zu stramm läuft.
Wenn die richtige Spannung erreicht ist kann die Schraube festgedereht werden.

The marked parts are used to adjust the tension on the belt. Make sure it has enough slack to move fluently.
When ready tighten the screw.

29



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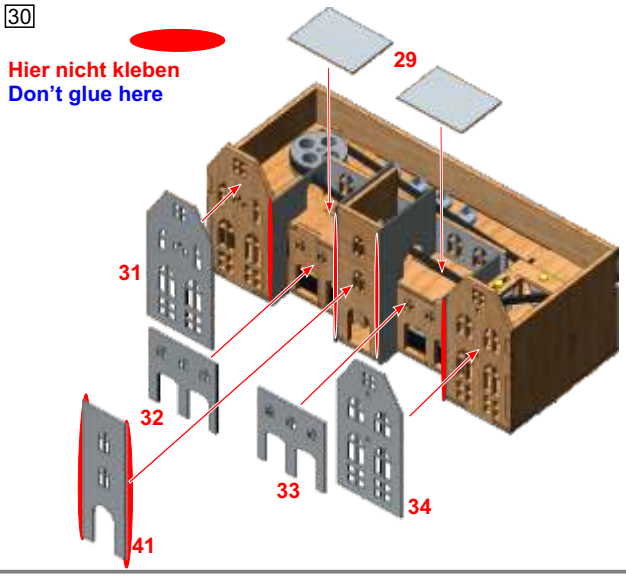

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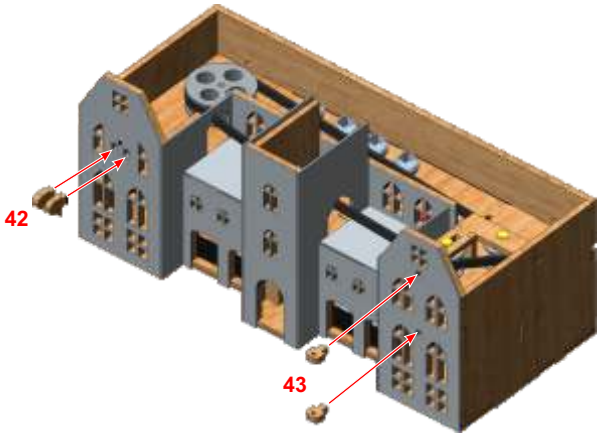

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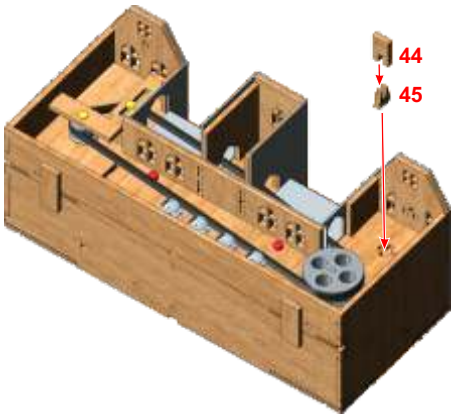

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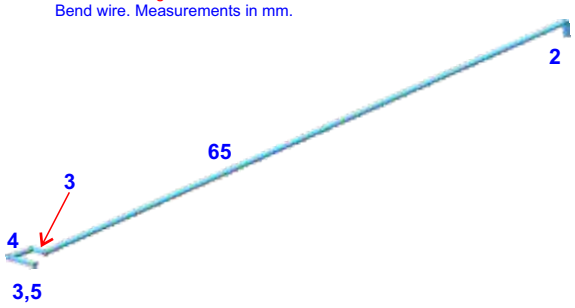
Federstahl biegen. Maße in mm.
Bend wire. Measurements in mm.



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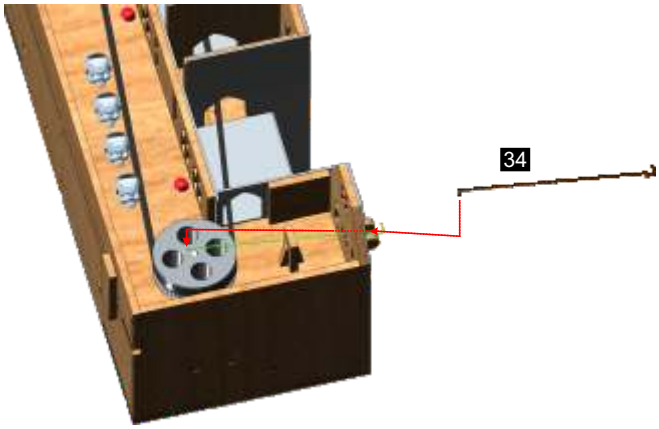

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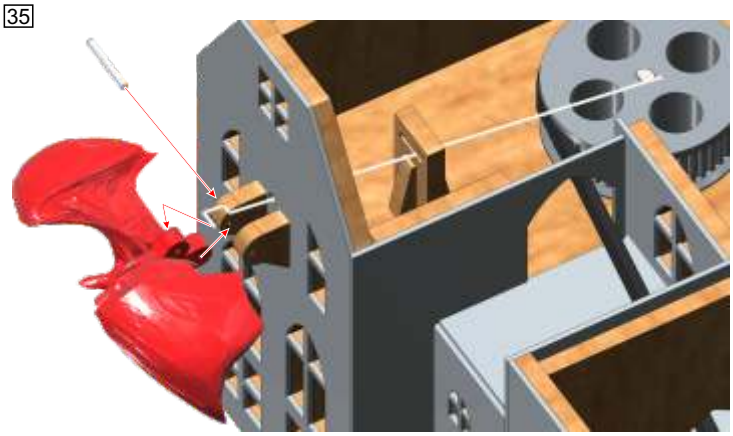

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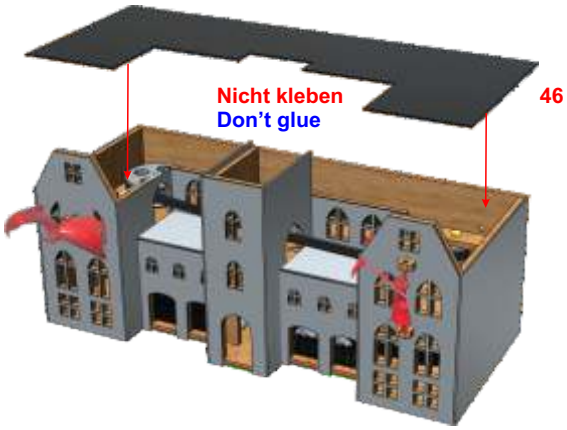

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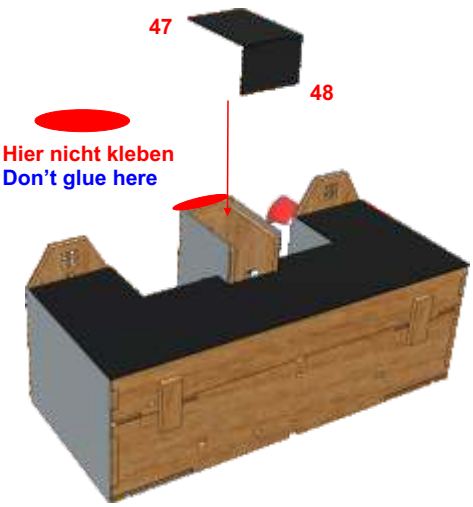

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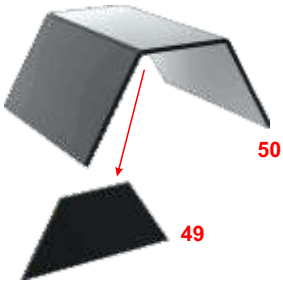

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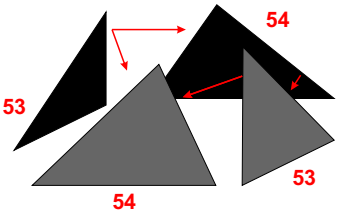

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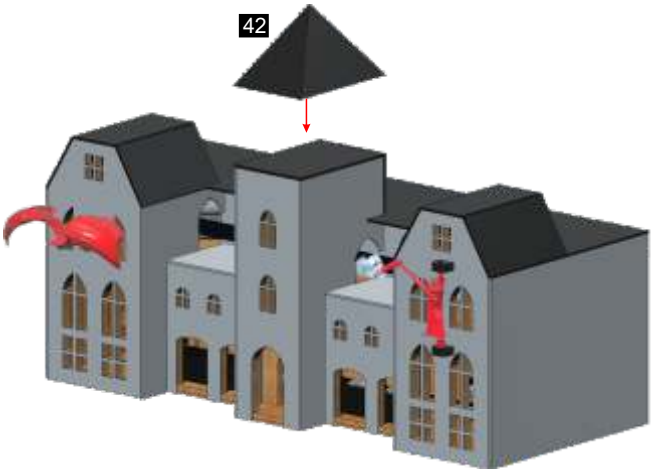

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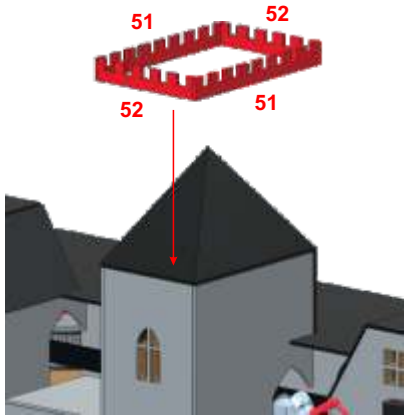

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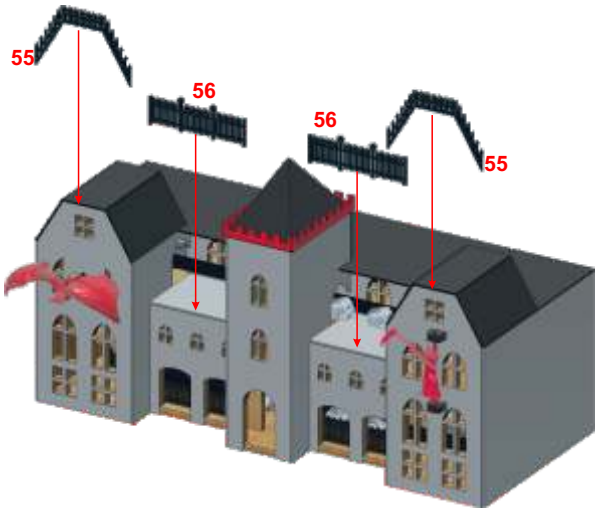

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Position der Farbteile
Position of the printed items

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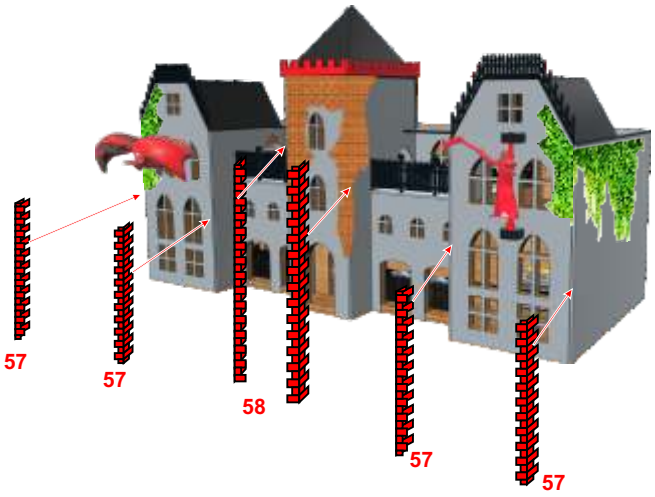

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