

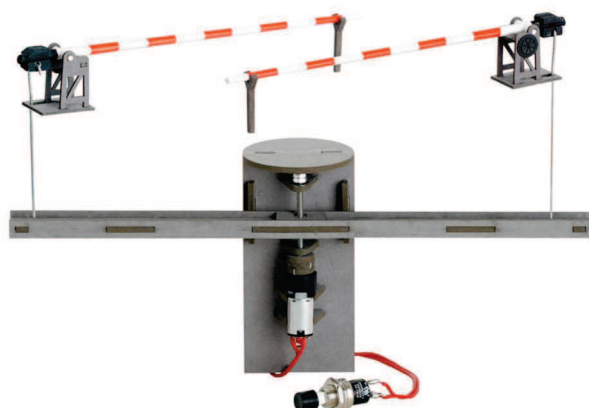
66260 micro-motion Bahnübergang mit Schrankenwärterhaus H0

Micro-motion Level Crossing with Signalmans House H0

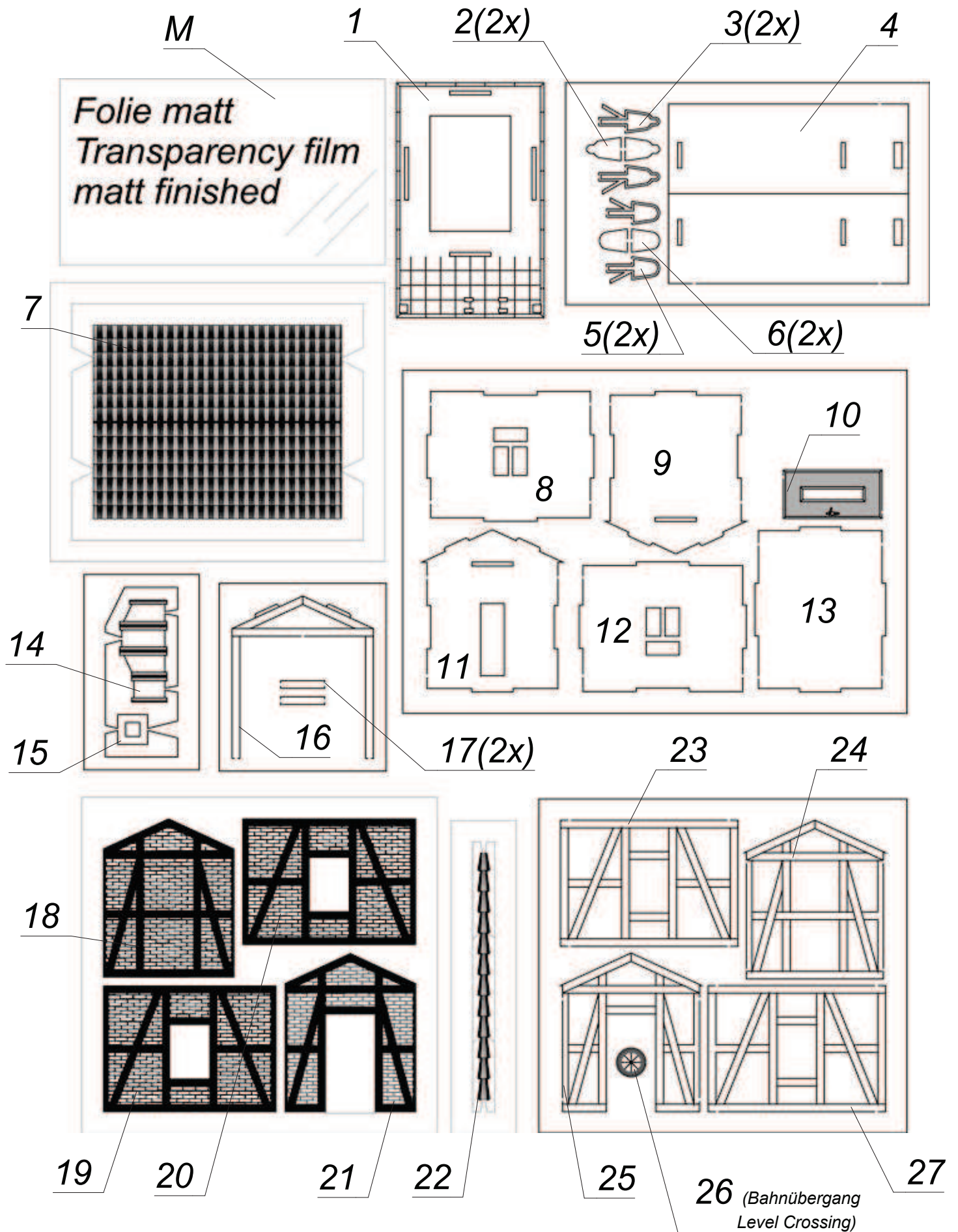
Passage à niveau gardé micro-motion avec maison garde barrière H0

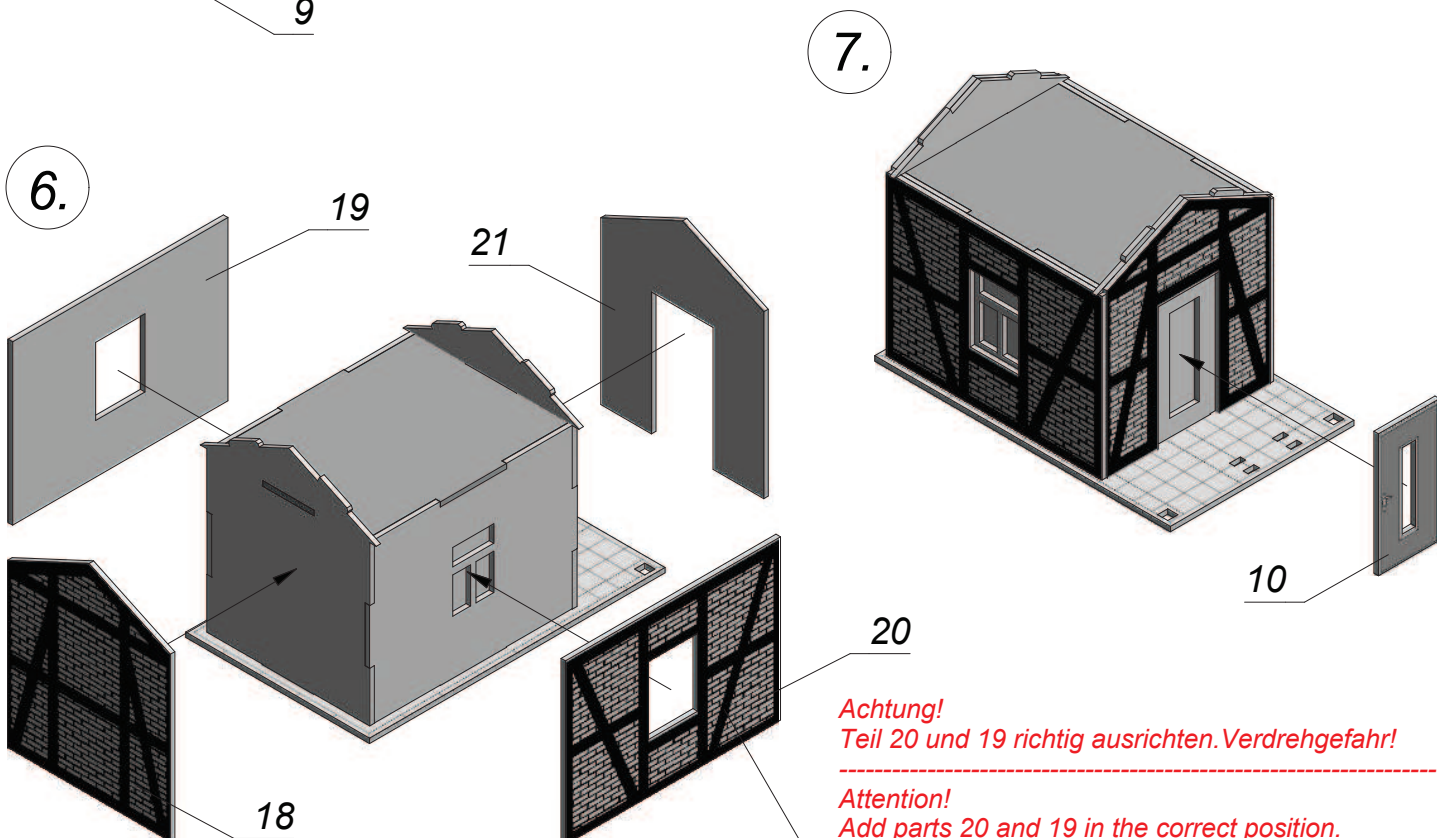
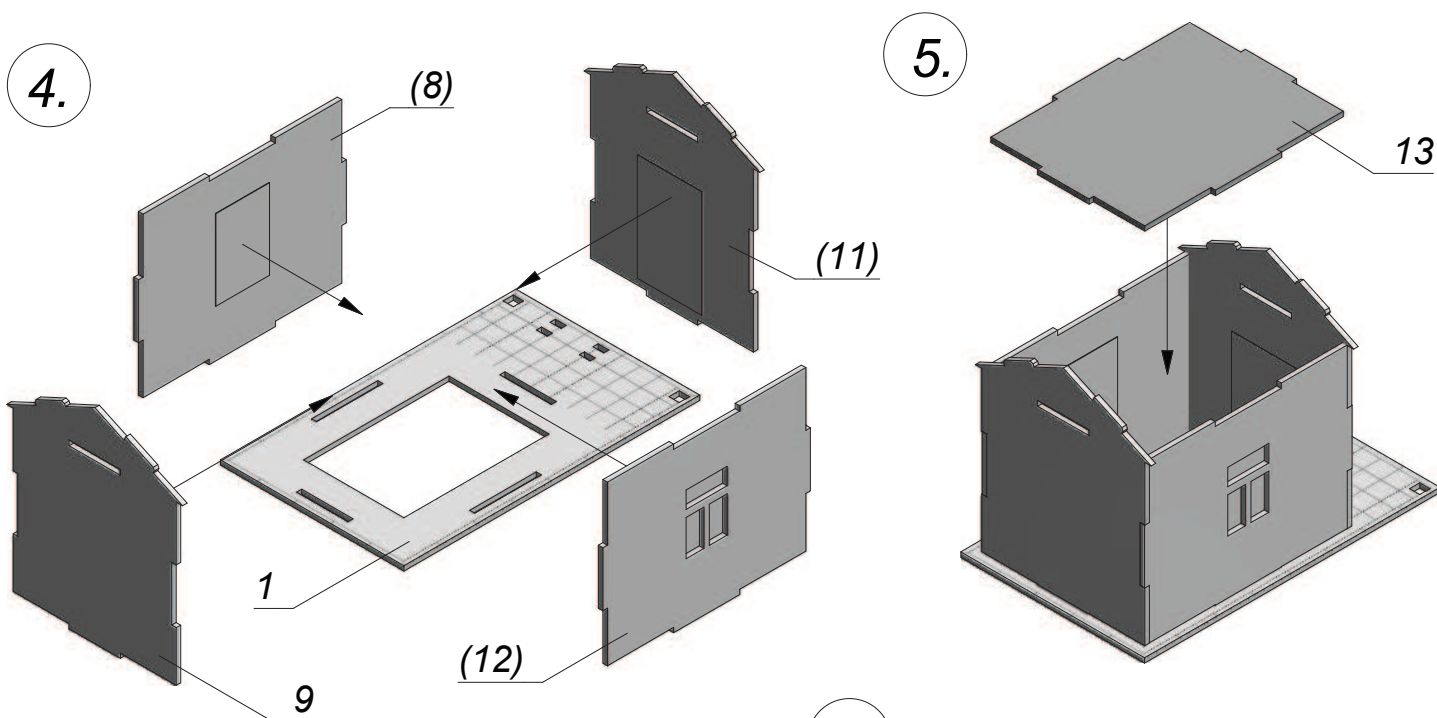
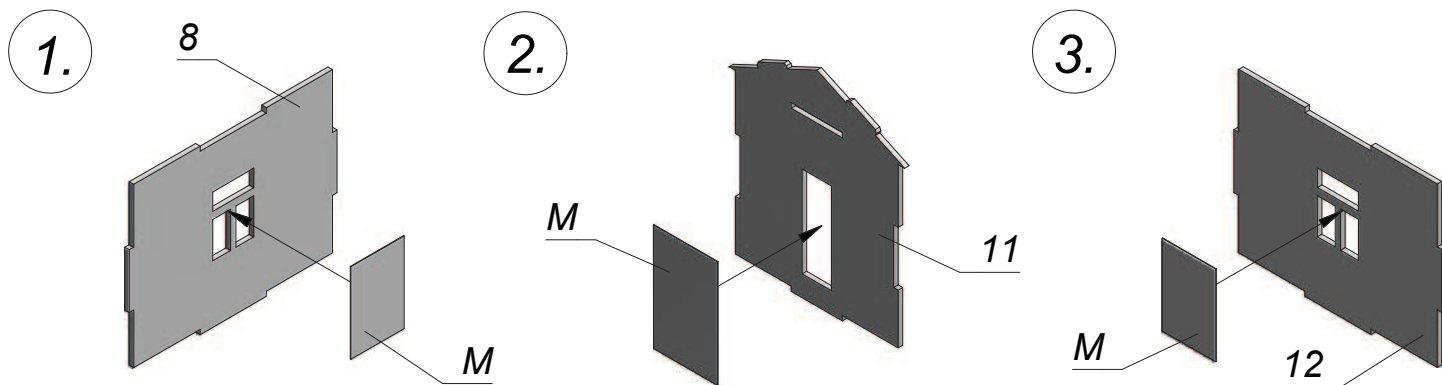
Paso a nivel micro-motion con caseta guardabarreras H0

micro-motion spoorwegovergang met baanwachtershuis H0



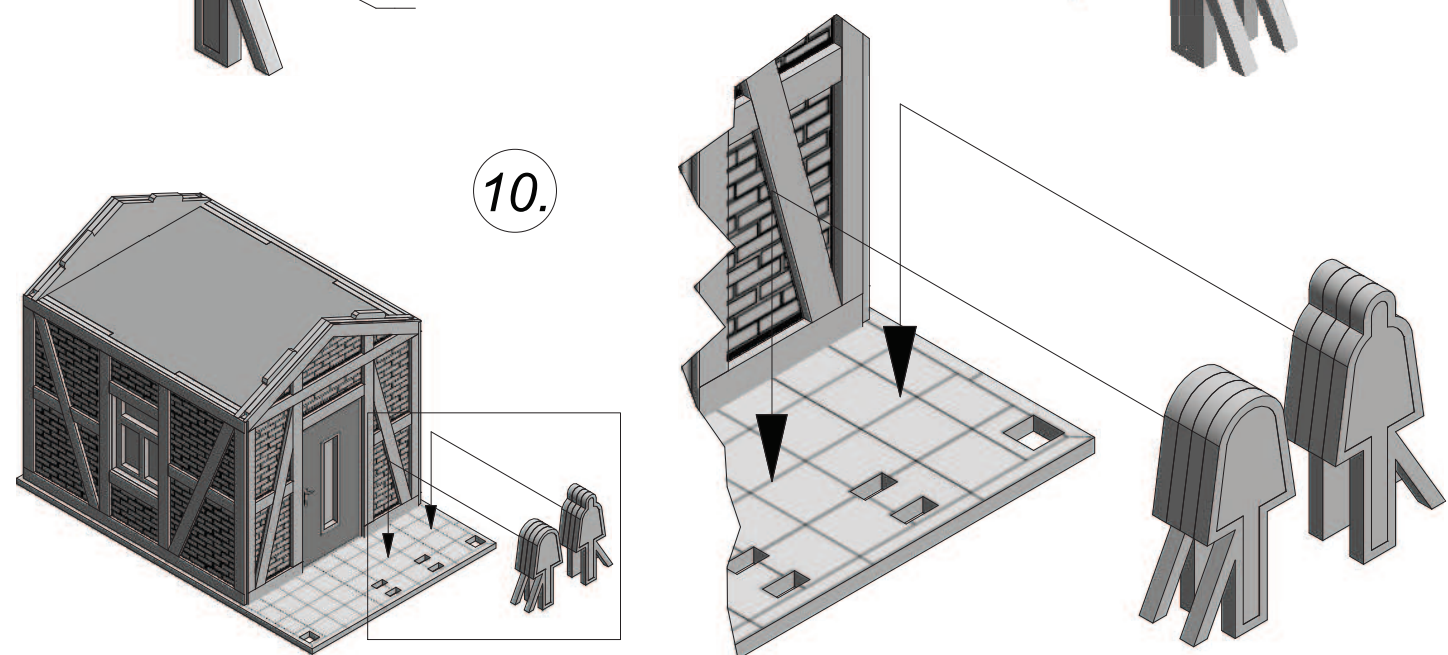
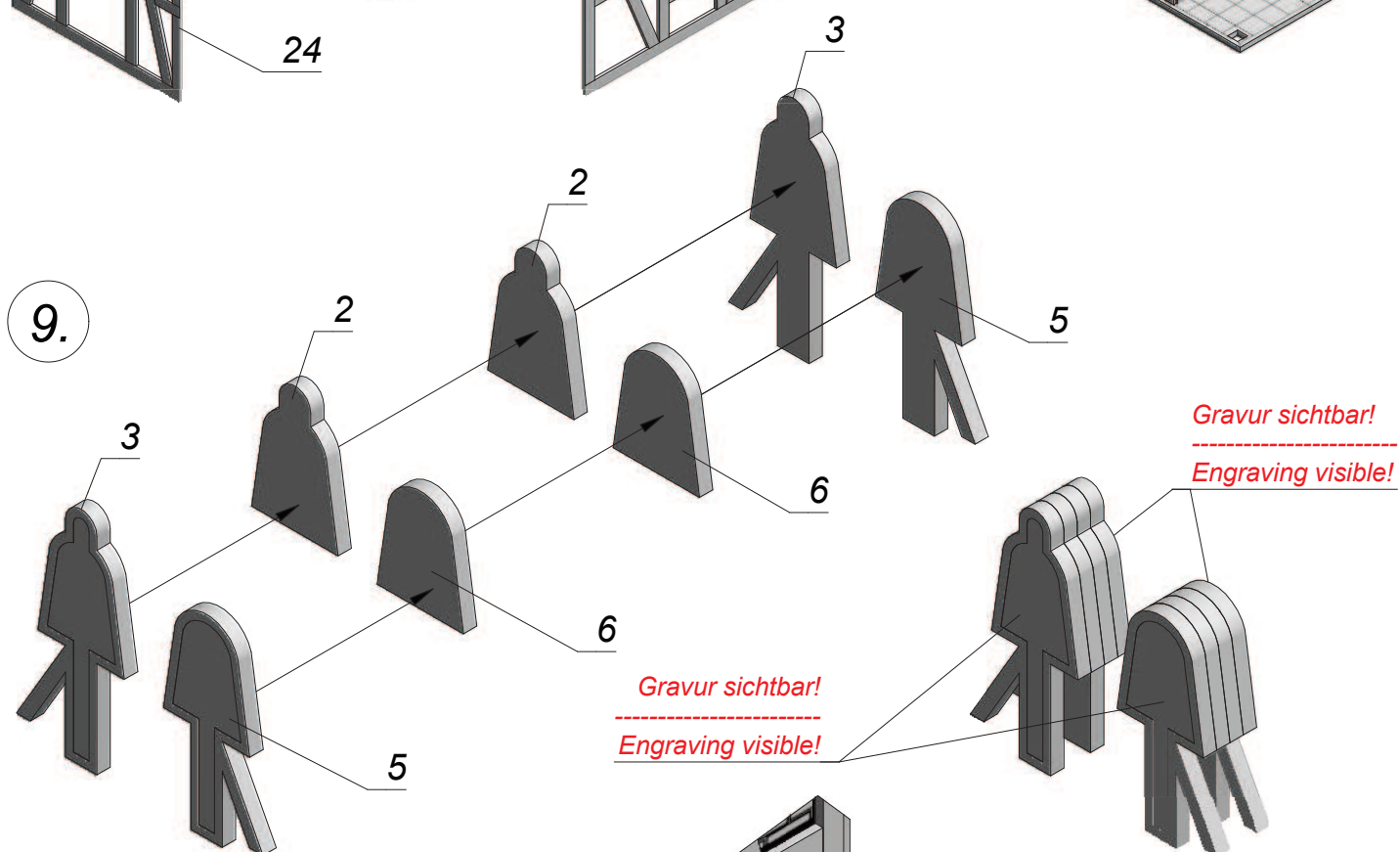
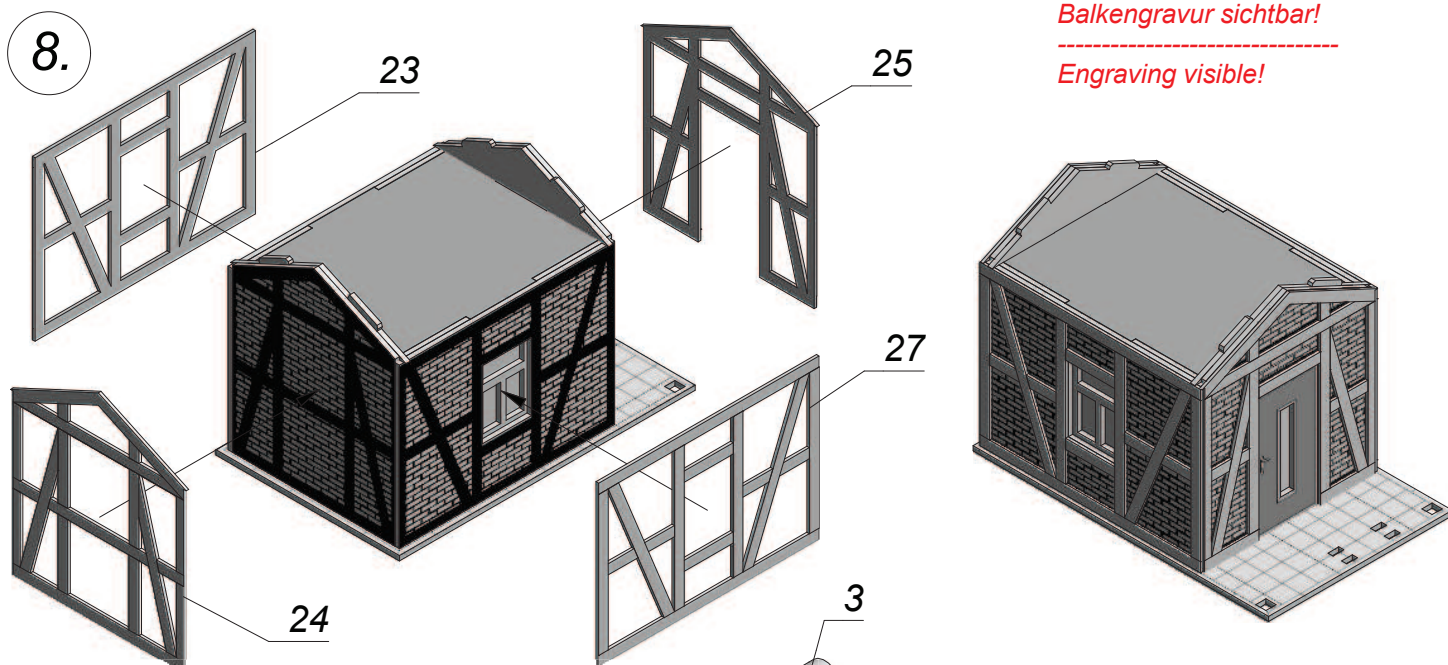
Schrankenwärterhaus / Signalmans House

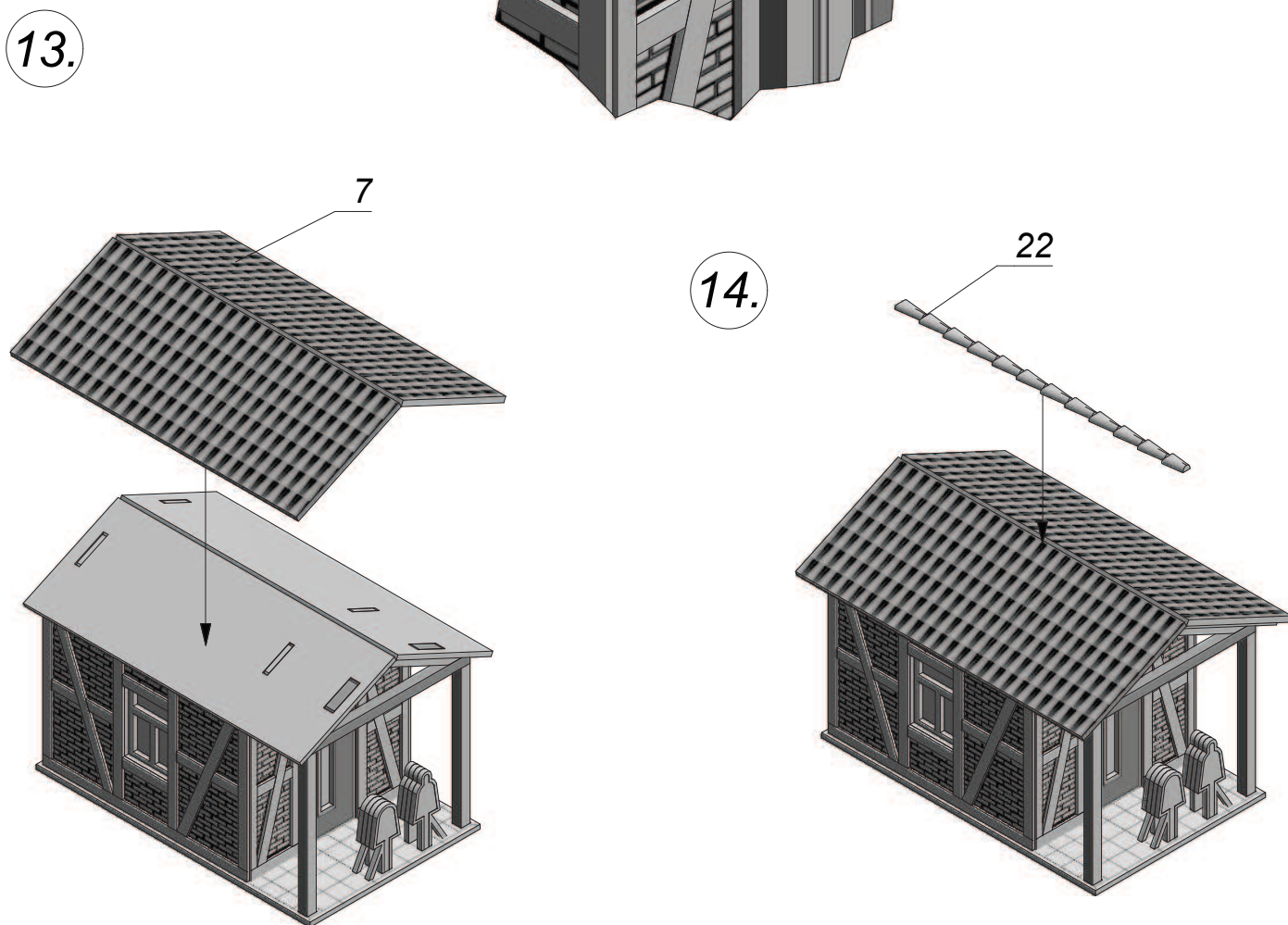
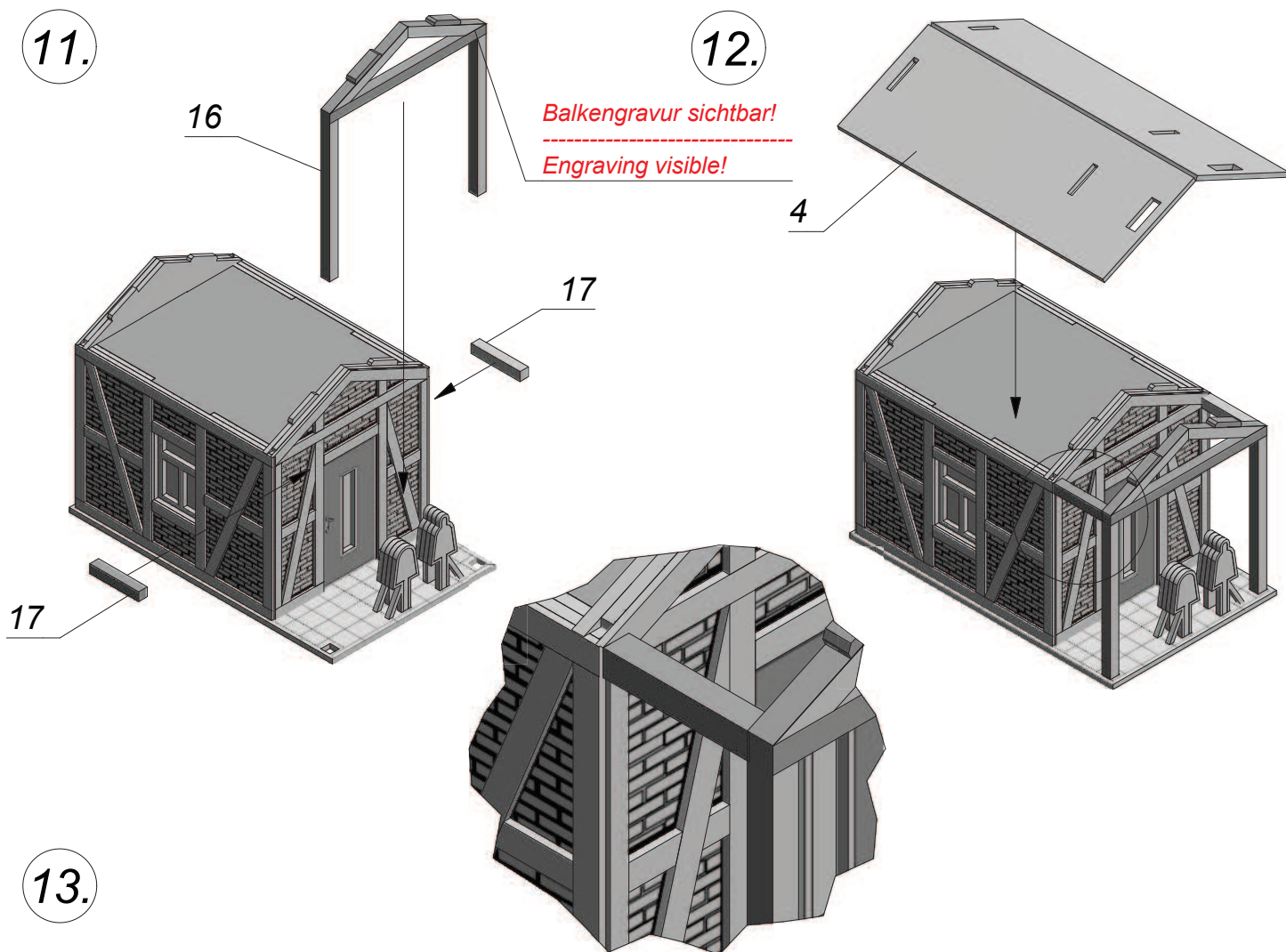




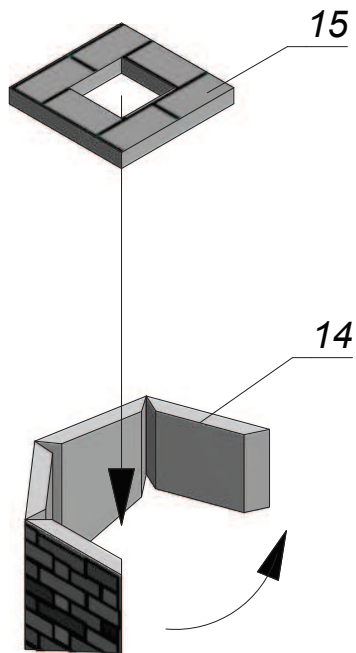
Achtung!
Teil 20 und 19 richtig ausrichten. Verdrehgefahr!

Attention!
Add parts 20 and 19 in the correct position.
Pay attention not to twist them.

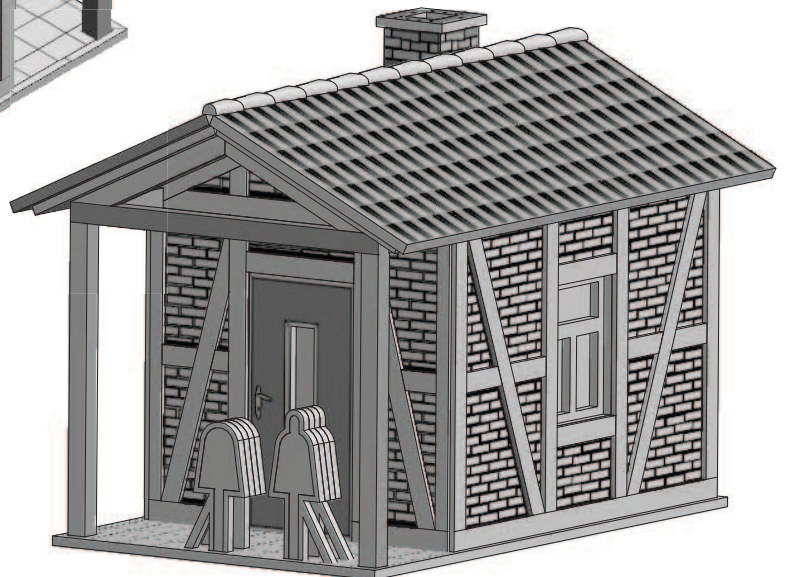
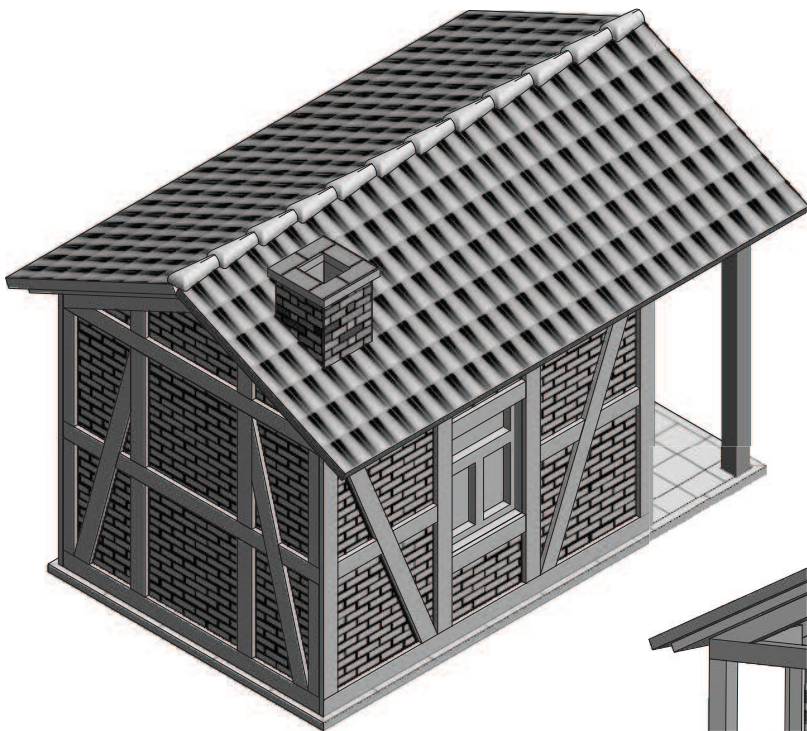
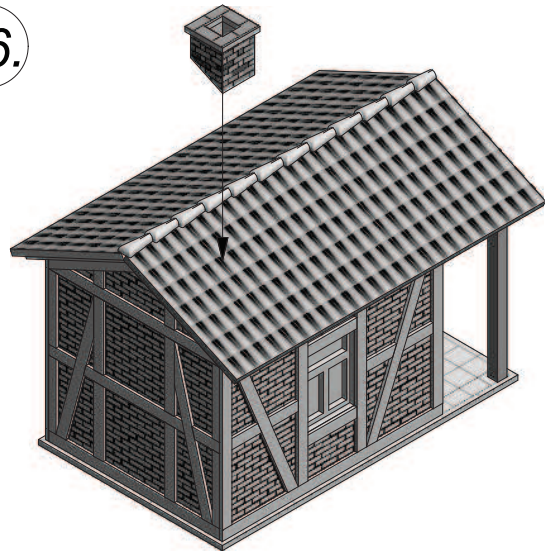




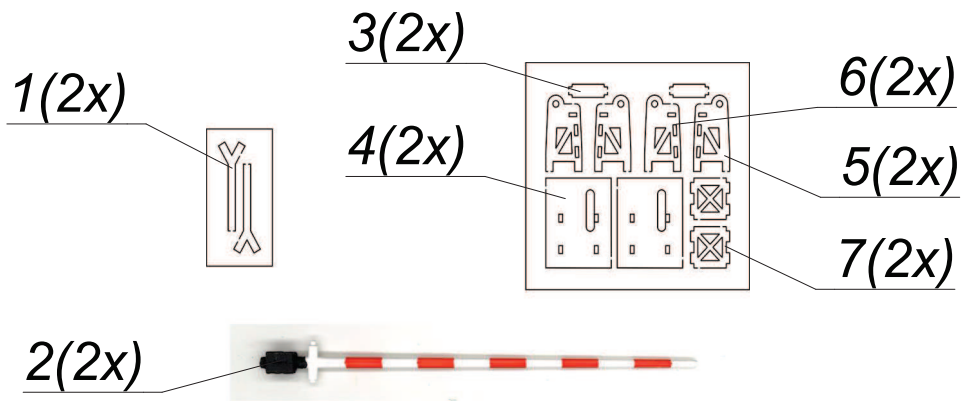
15.



16.



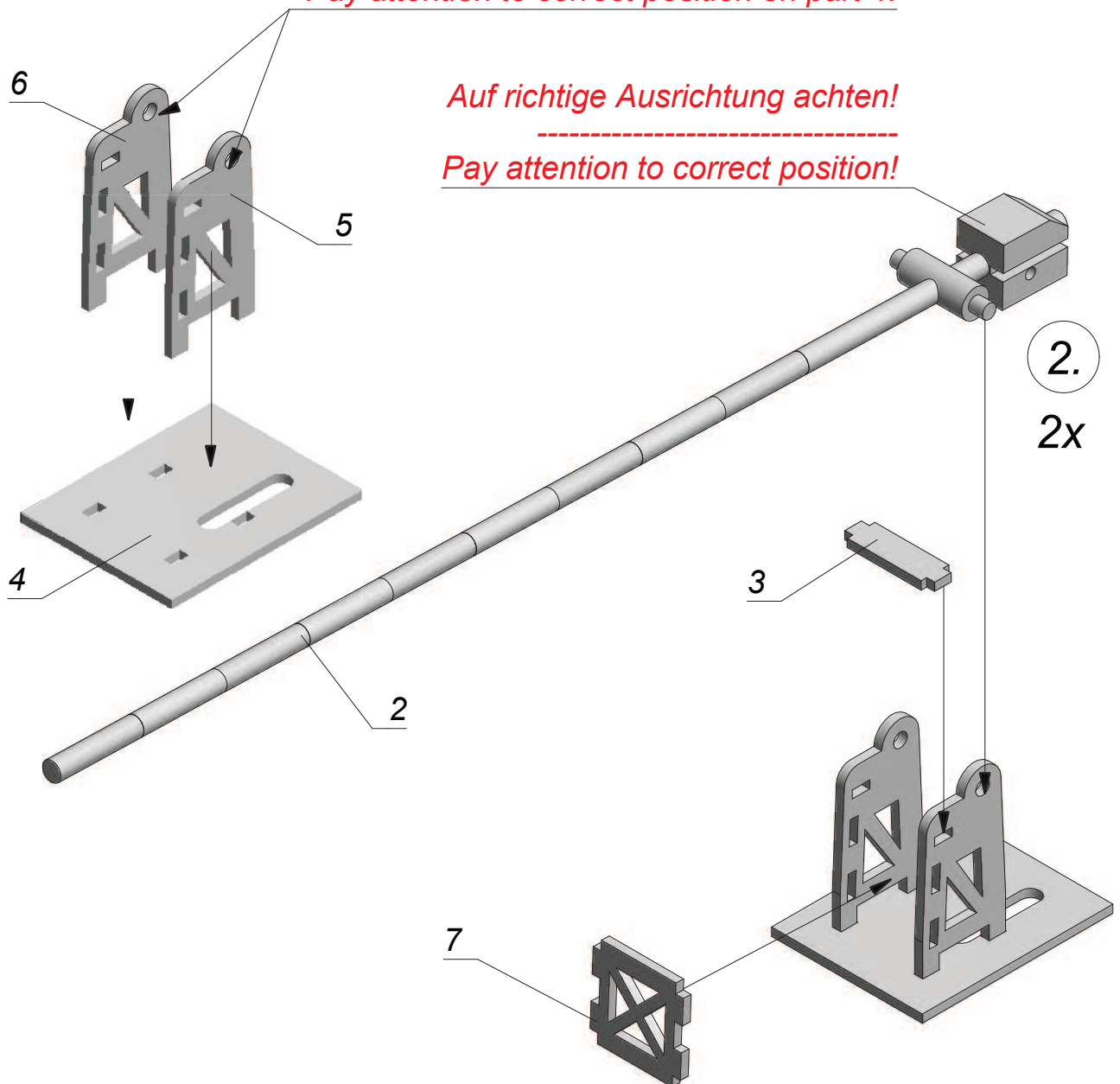
Bahnübergang / Level Crossing



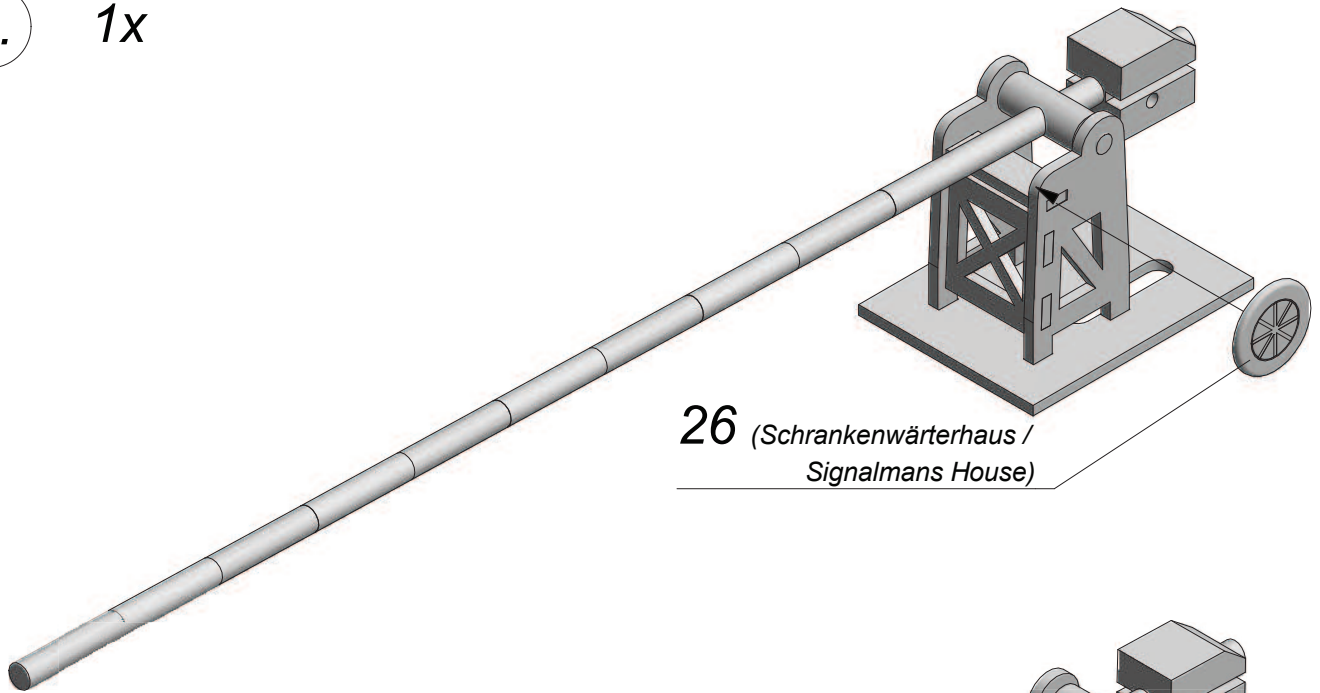
1. 2x

Auf richtige Ausrichtung auf Teil 4 achten!

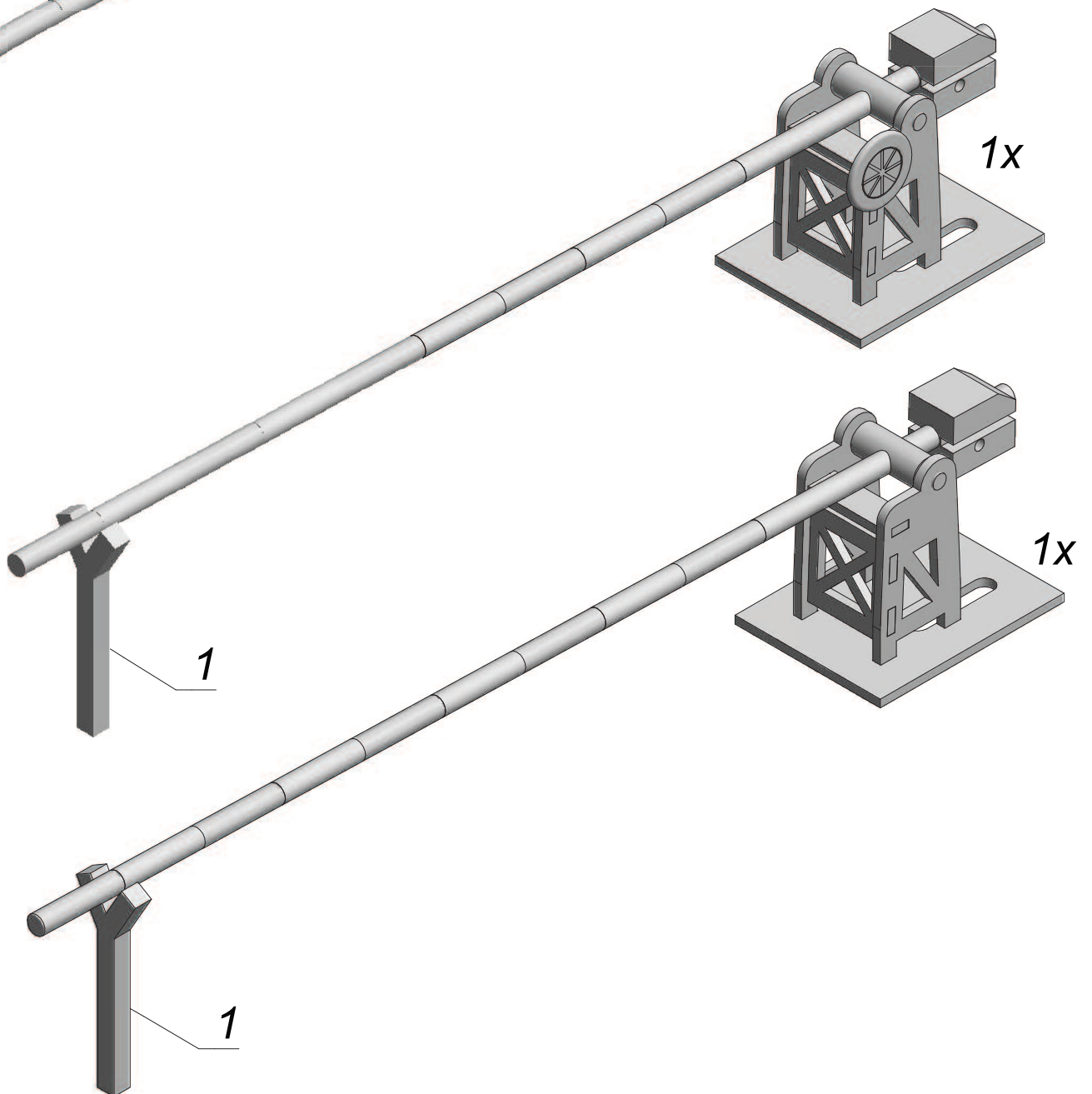
Pay attention to correct position on part 4!



3. 1x



4.



Antriebseinheit / Drive unit

D Messingdraht/Brass wire 0,8 ; 200mm lang (2x)

K6 Gummi/Rubber

K5 Antriebswelle/Drive shaft M3

K1 Gewindestift/Grub screw M2x6

K2 Zylinderkopfschraube/Zylinder head bolt M2x8 (4x)

K3 Zylinderkopfschraube/Zylinder head bolt M2x3 (8x)

K4 Mutter/Nut M3

KB Kabelbaum komplett/Cable loom complete

21(8x)

1

2(2x)

3

4

5(2x)

6

7(4x)

8(4x)

9

10(6x)

11

12

13
(2x)

14

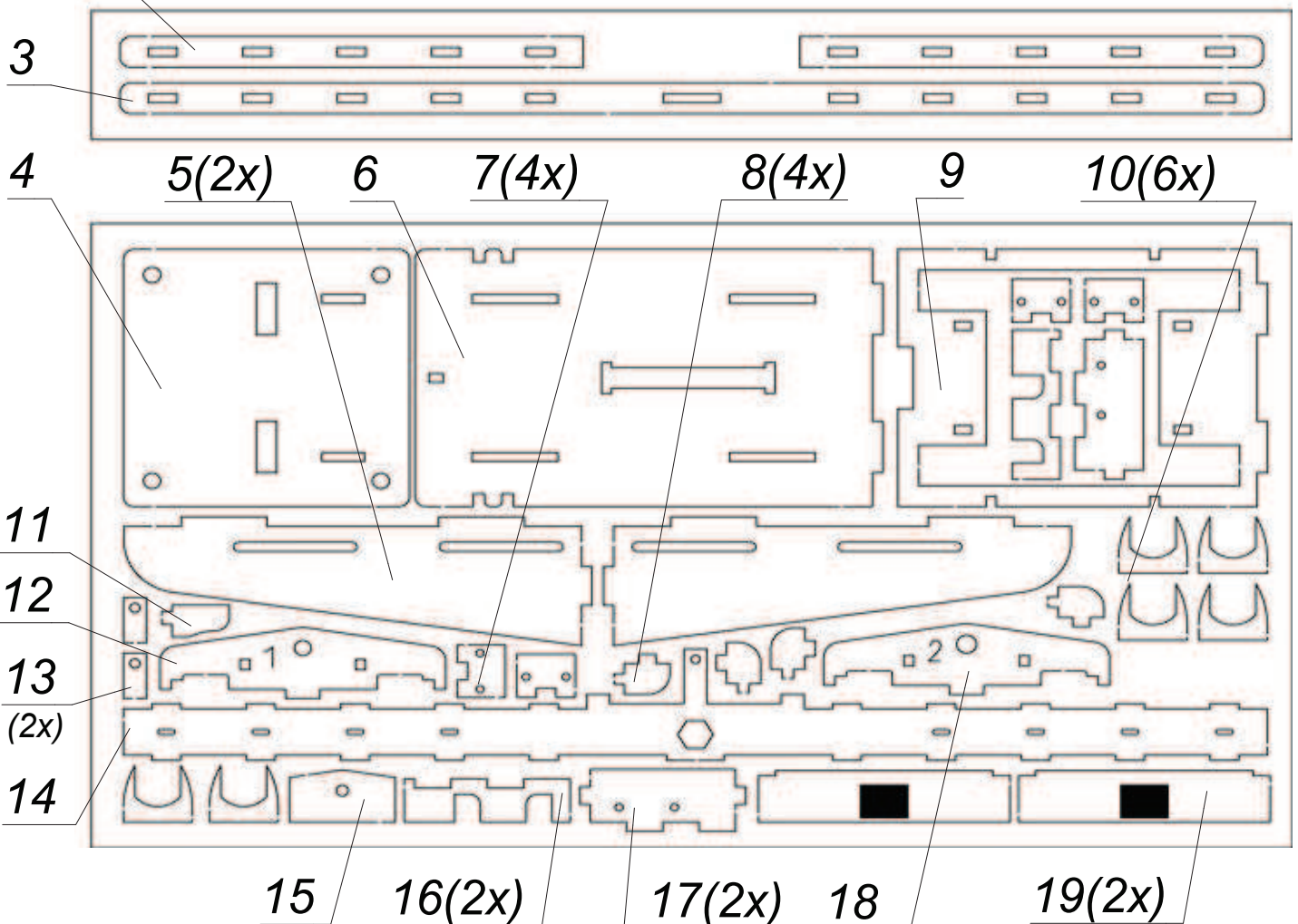
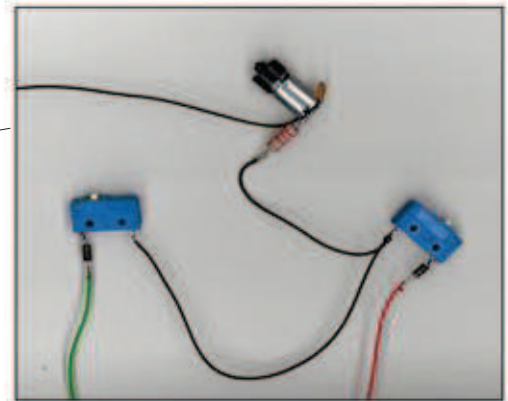
15

16(2x)

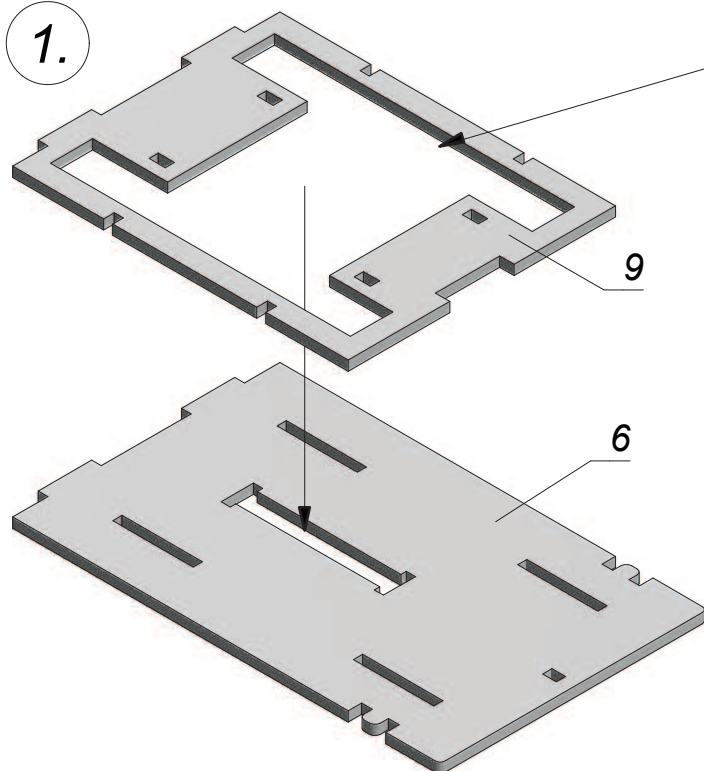
17(2x)

18

19(2x)



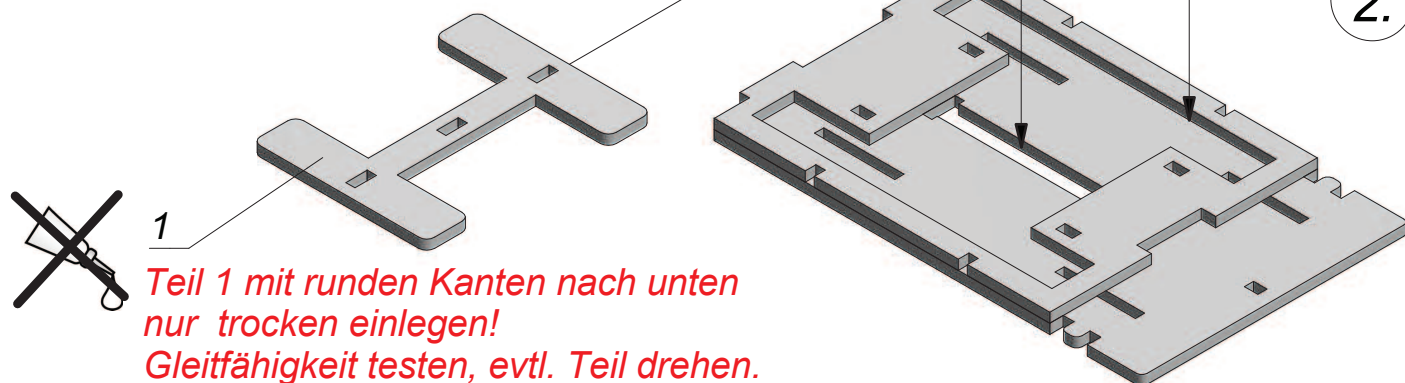
1.



Achtung!
Sauber verkleben!
Kleberückstände entfernen!

Attention!
Glue accurately!
Remove arrears of glue!

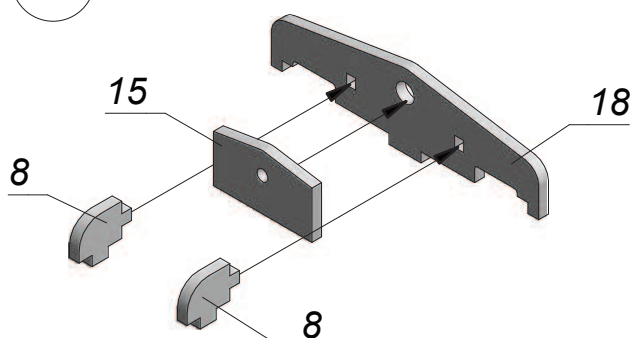
2.



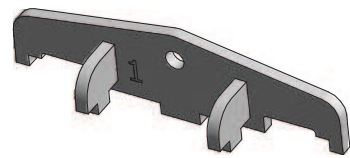
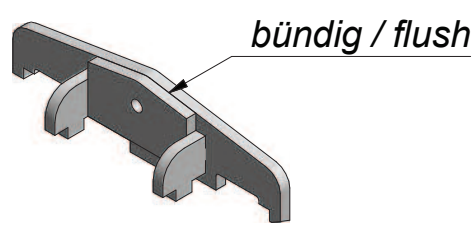
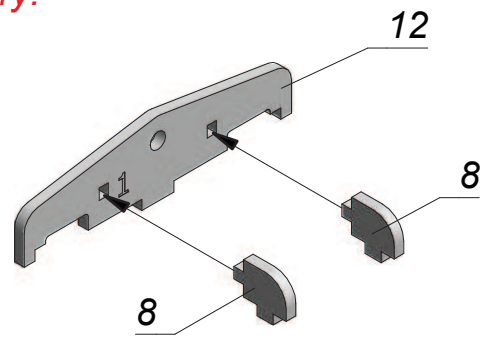
Teil 1 mit runden Kanten nach unten nur trocken einlegen!
Gleitfähigkeit testen, evtl. Teil drehen.

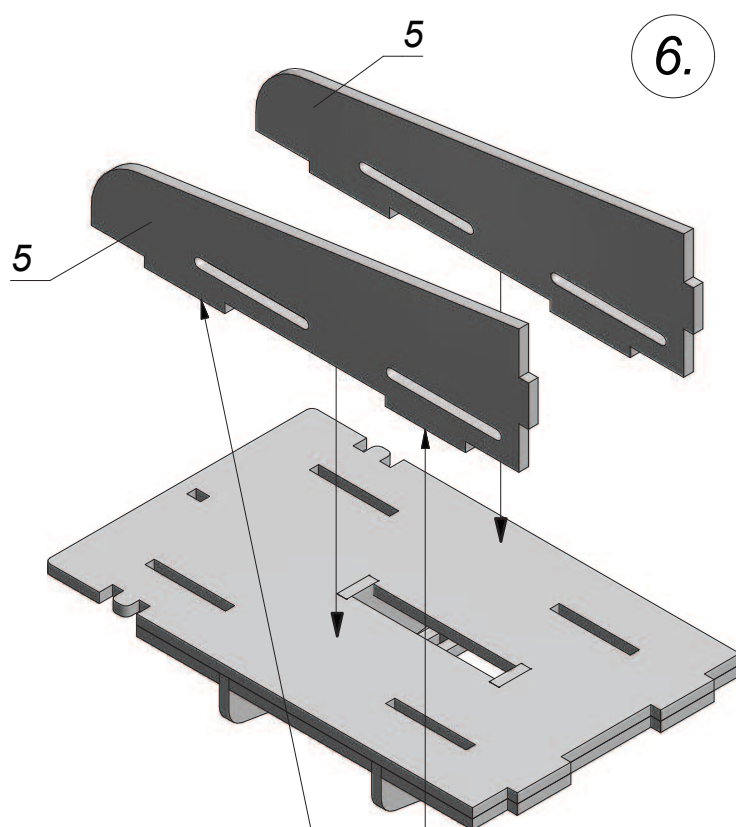
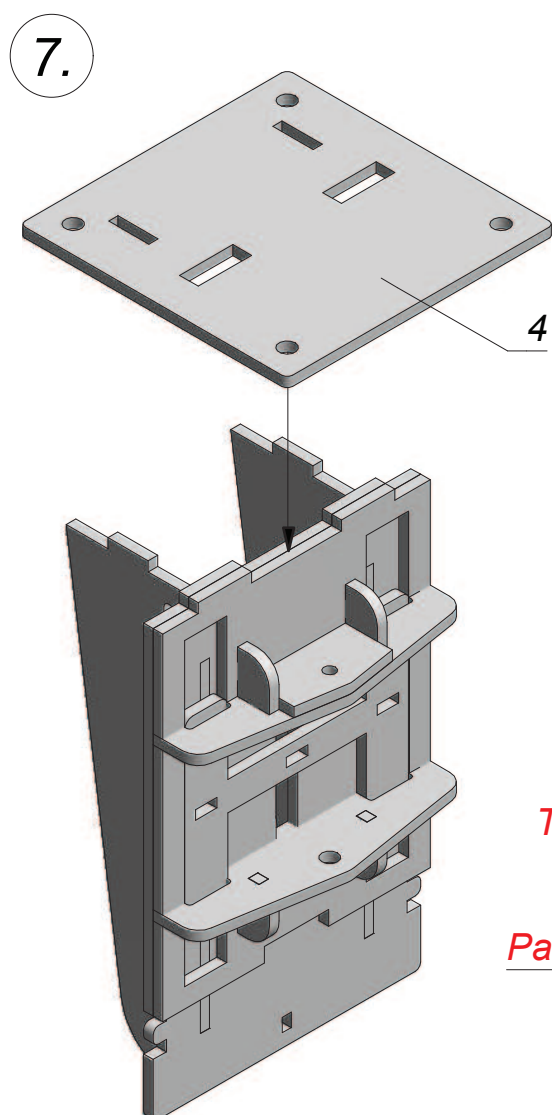
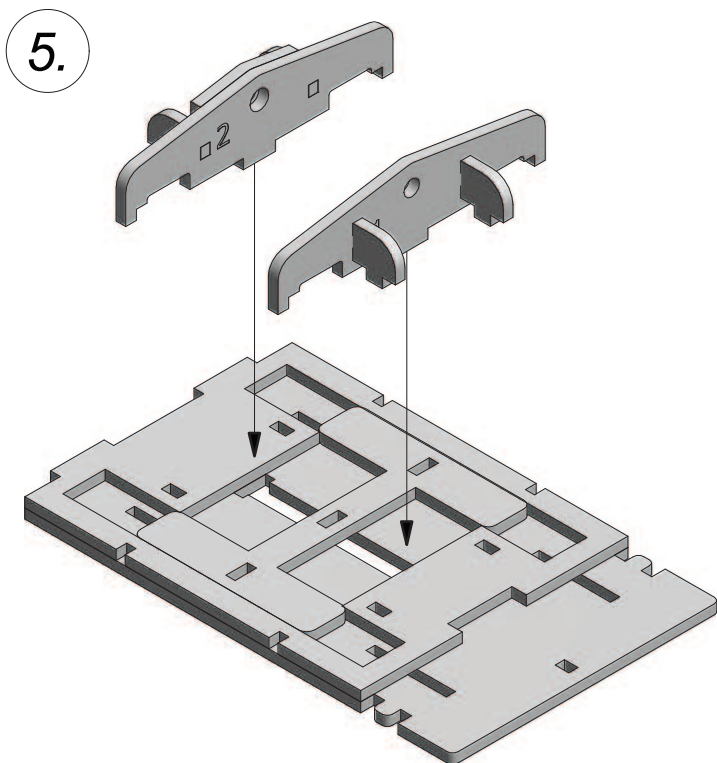
Set part 1 with round edges at the bottom only in position. Without glue!
Test slippage and turn the part if necessary.

3.



4.

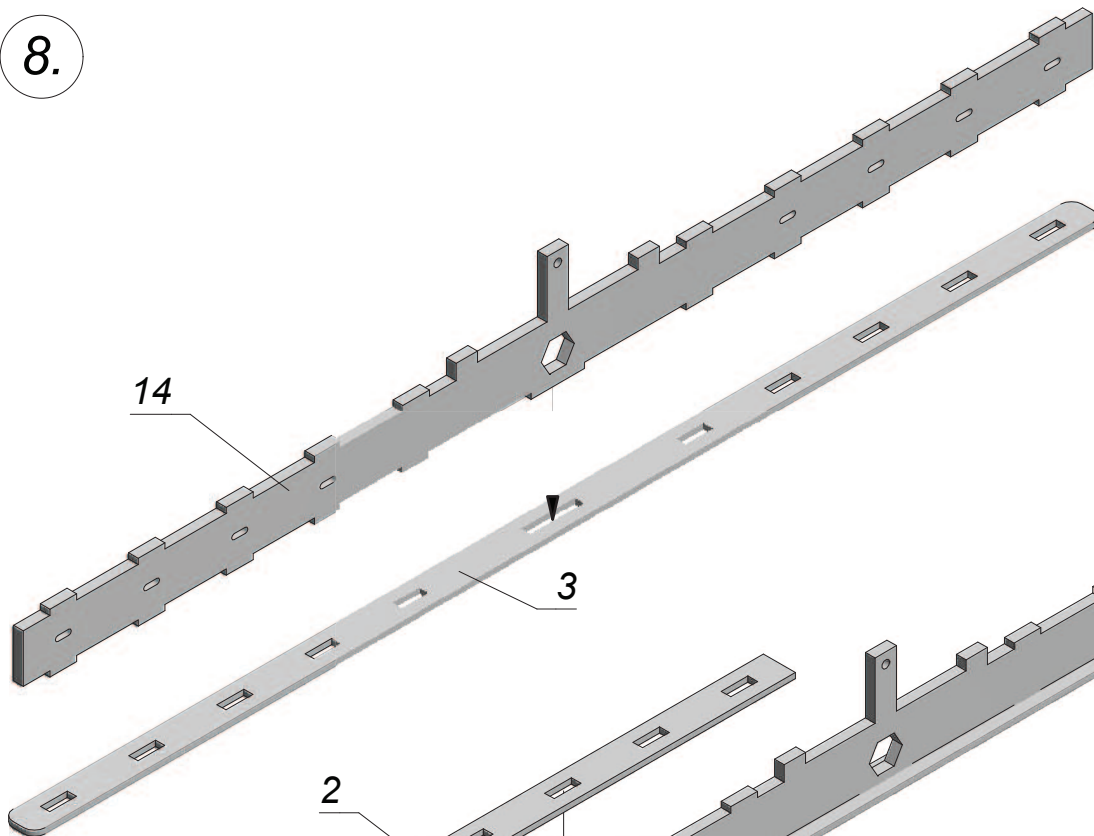




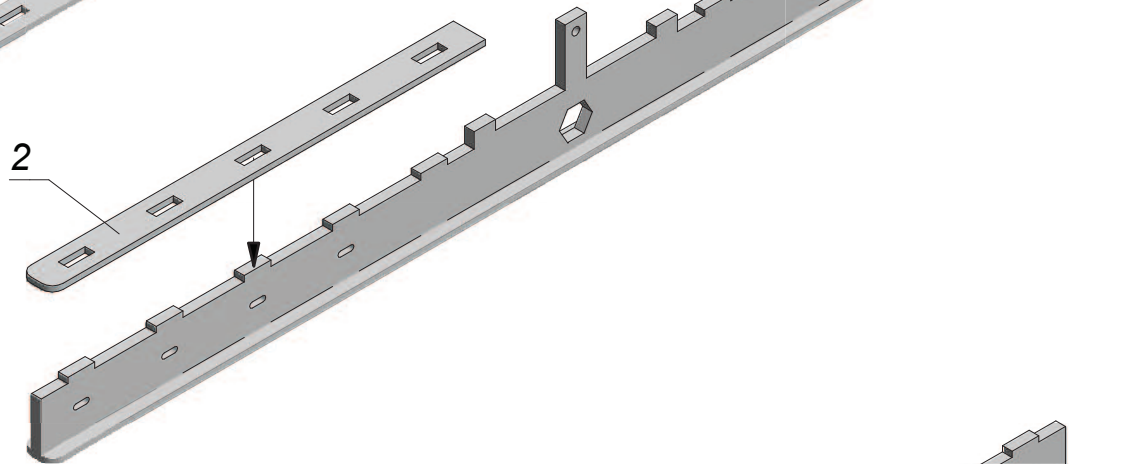
Kein Kleber!
Teil 1 muss gleiten können!

No glue!
Part 1 has to be able to slide!

8.



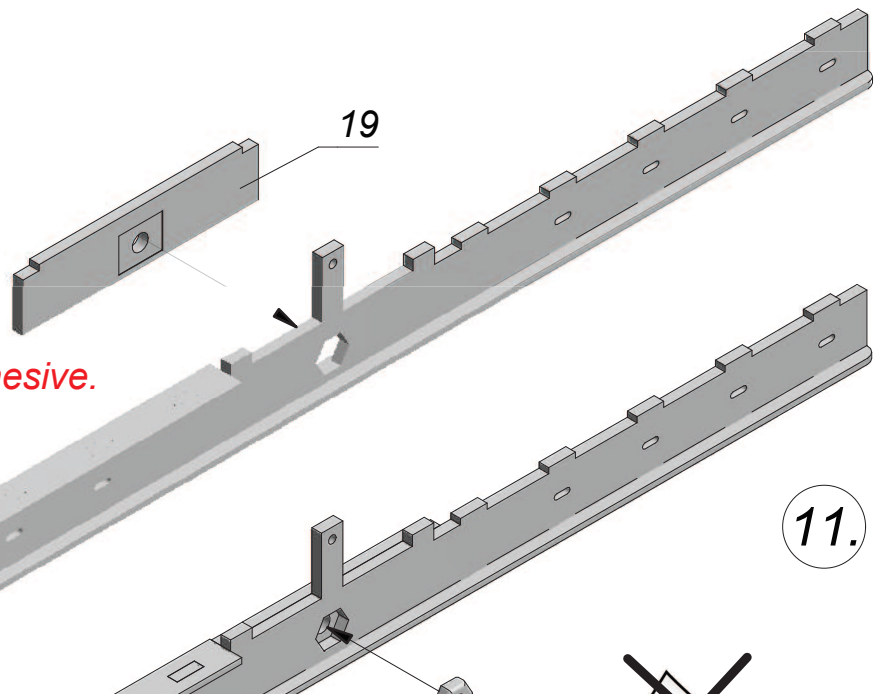
9.



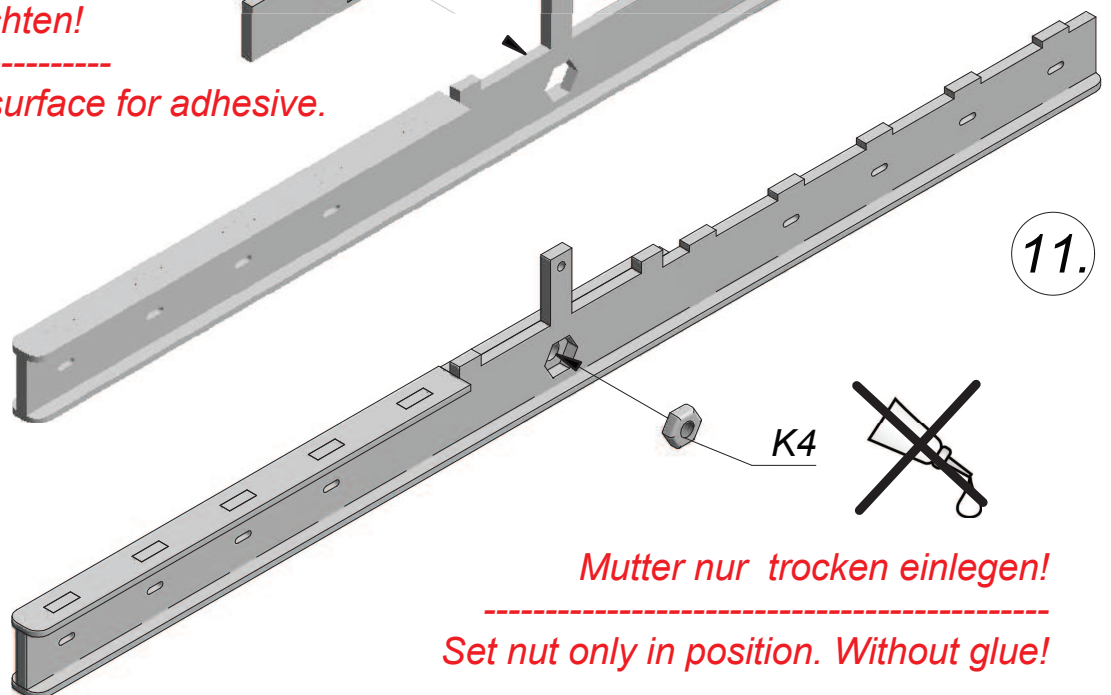
10.

Klebefläche beachten!

Pay attention to surface for adhesive.



11.



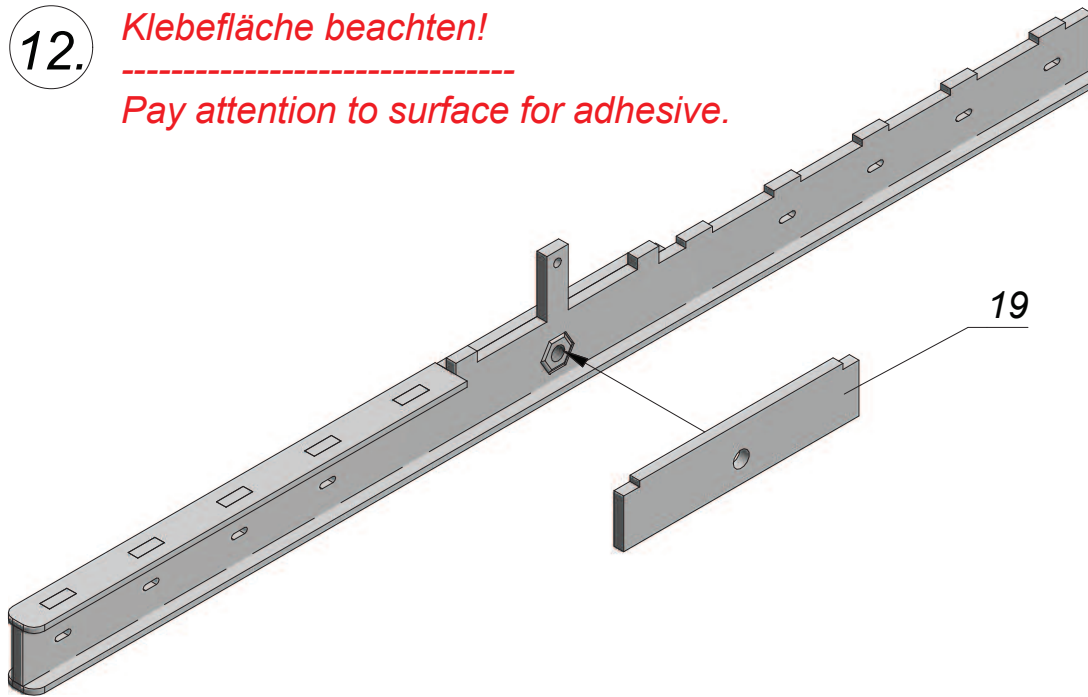
Mutter nur trocken einlegen!

Set nut only in position. Without glue!

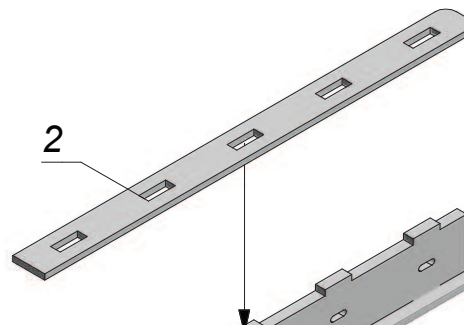
12.

Klebefläche beachten!

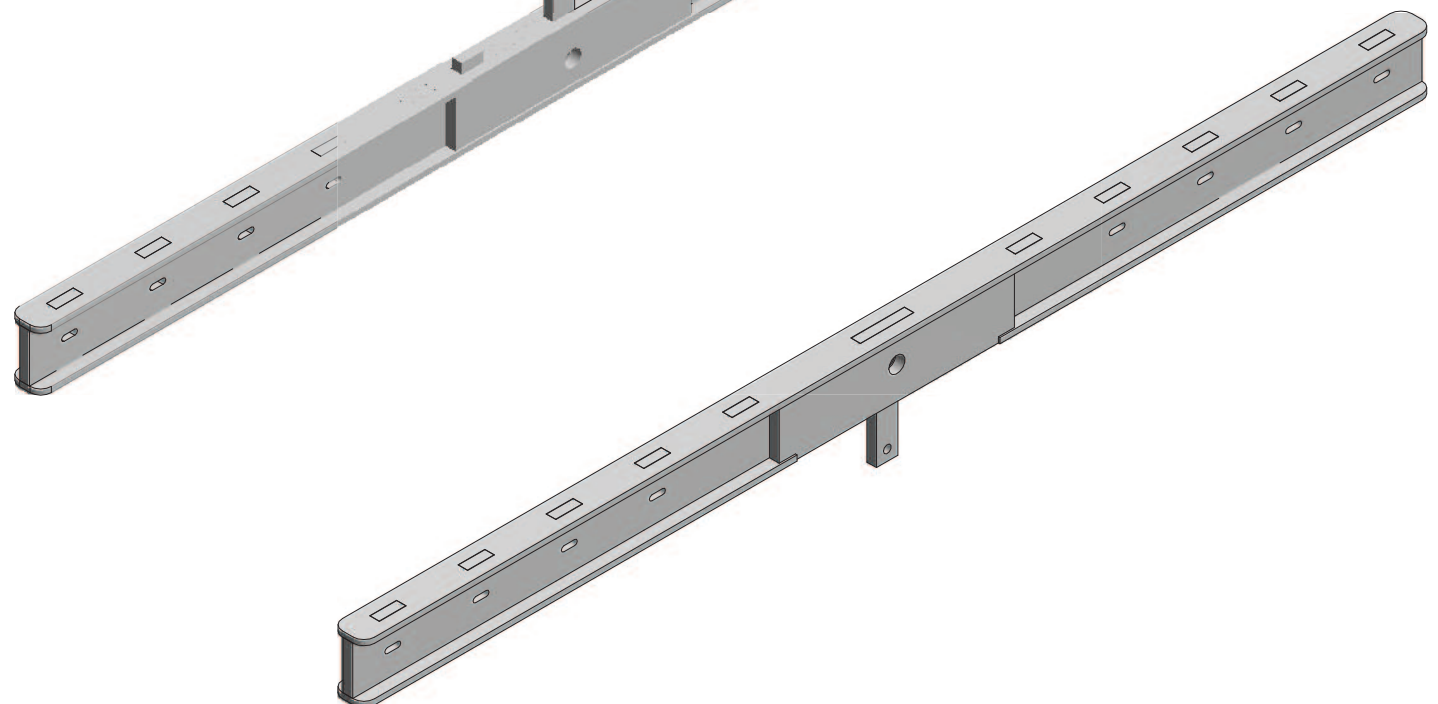
Pay attention to surface for adhesive.



2



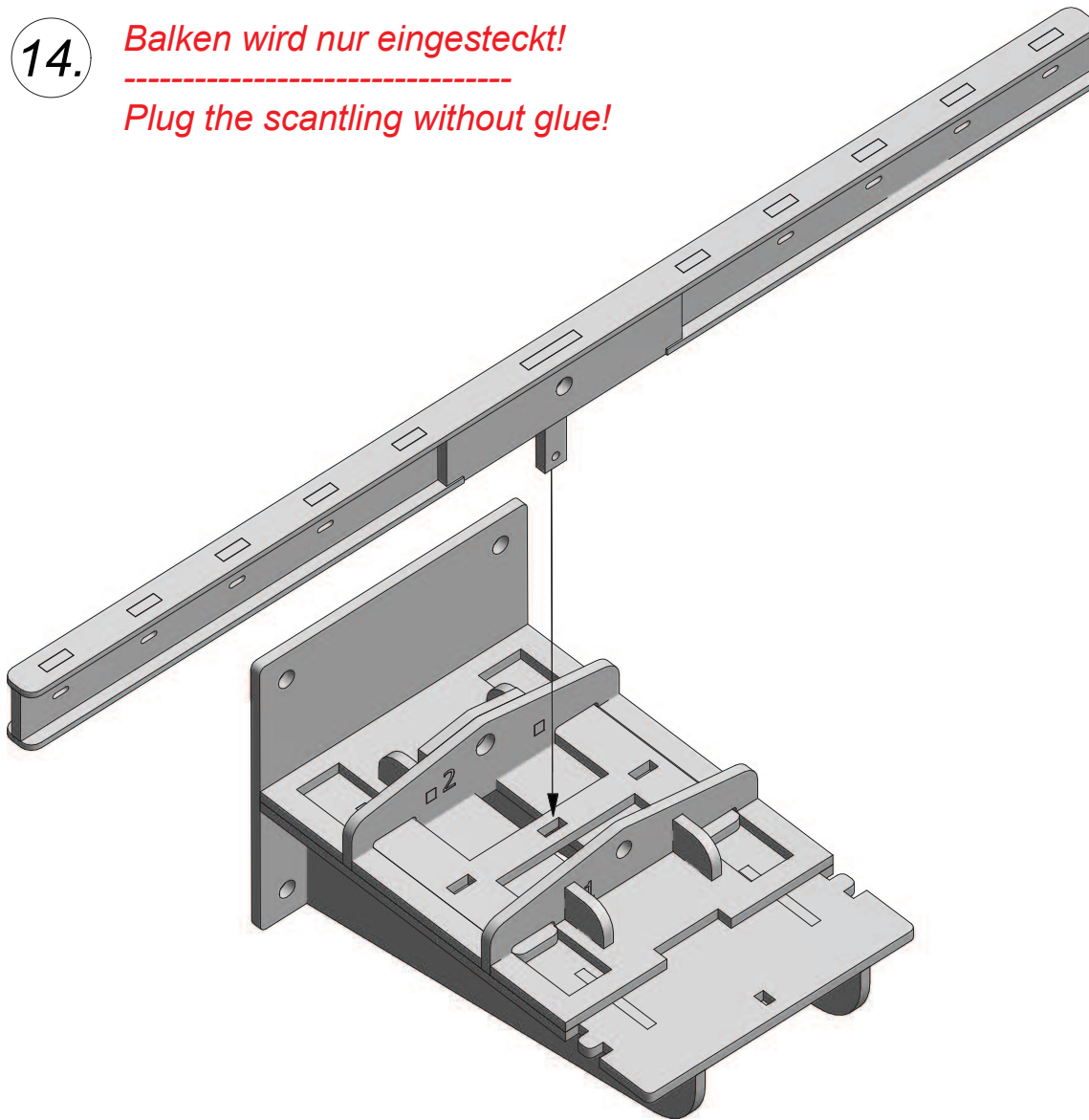
13.



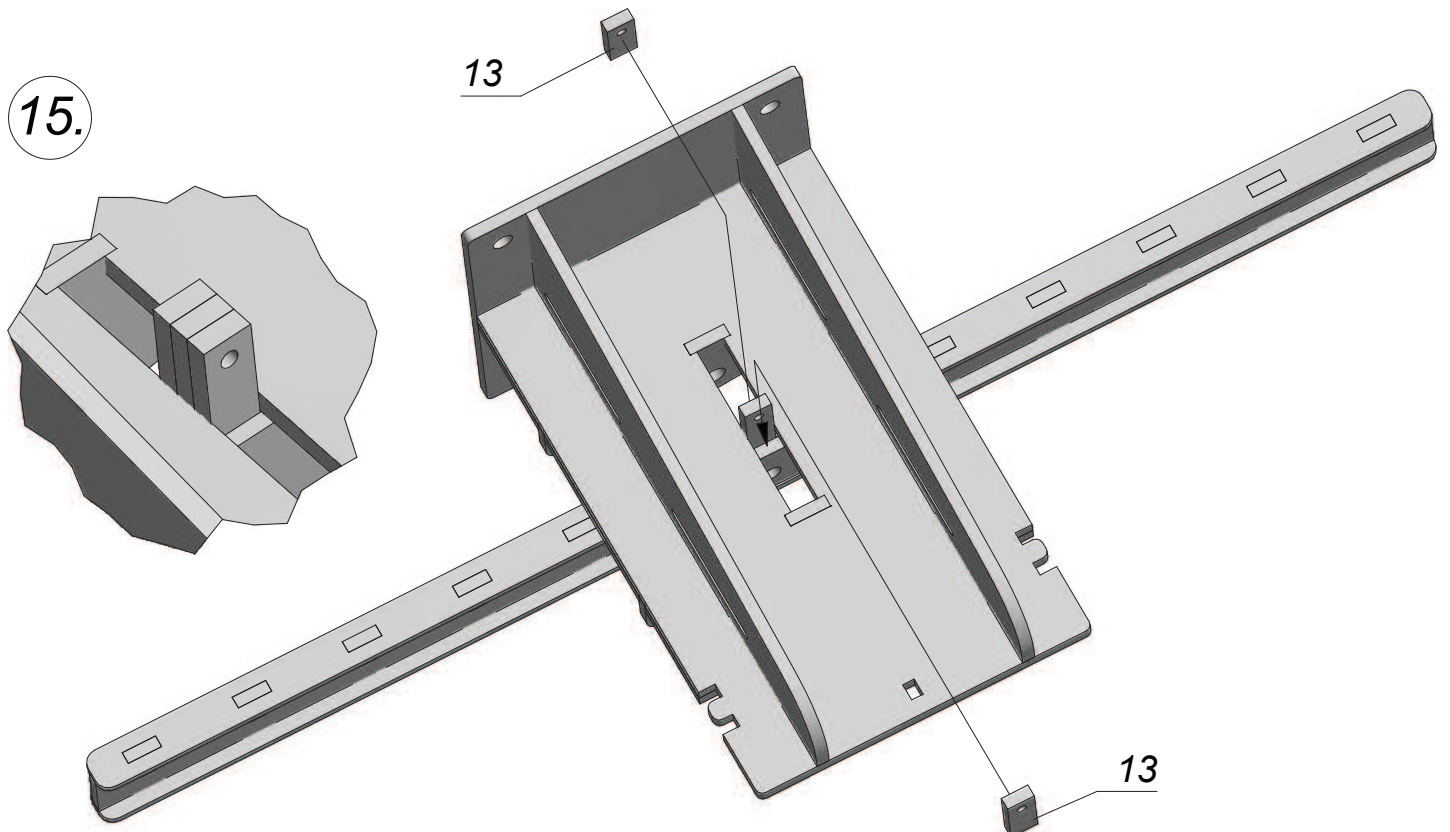
14.

Balken wird nur eingesteckt!

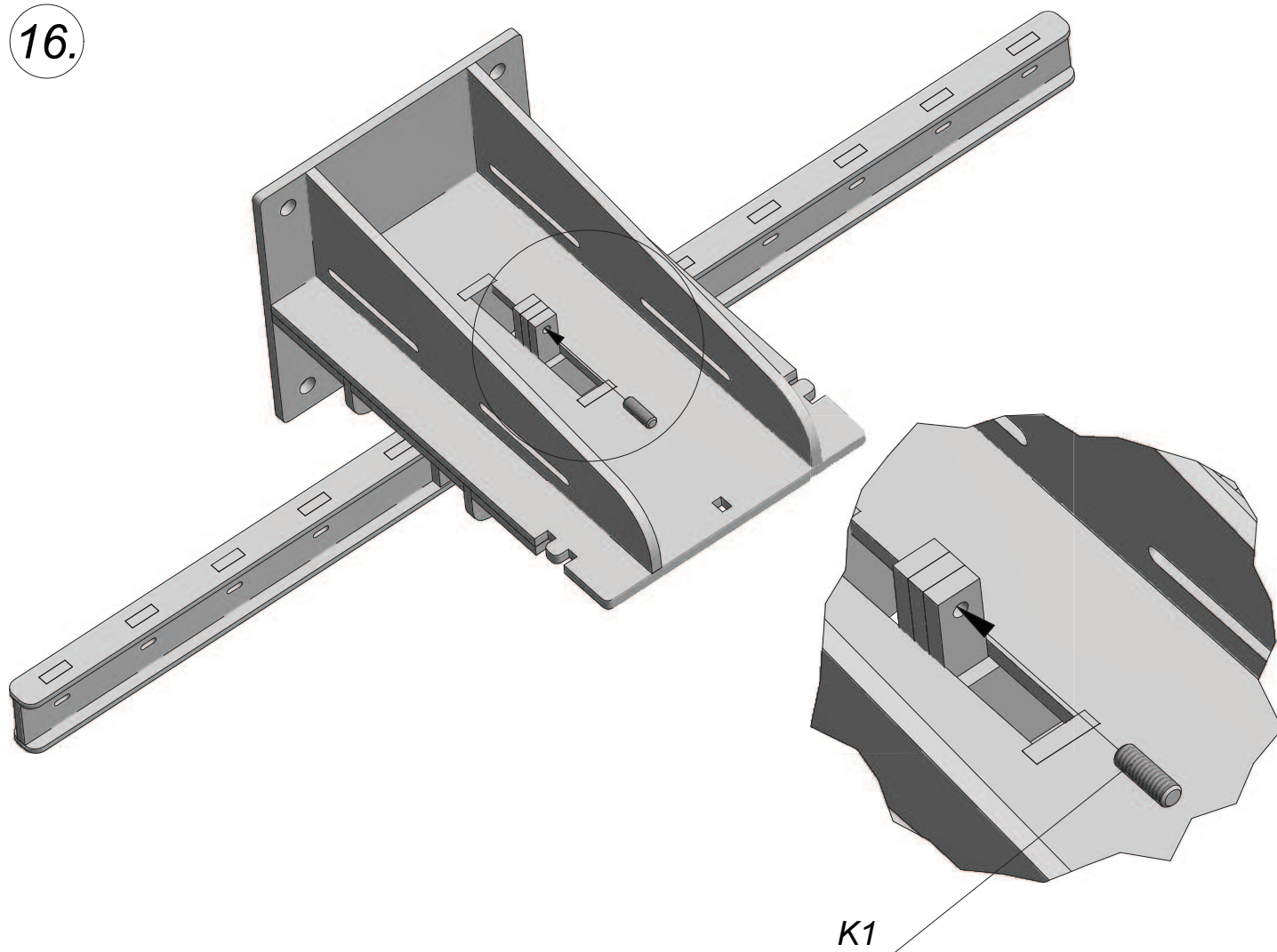
Plug the scantling without glue!



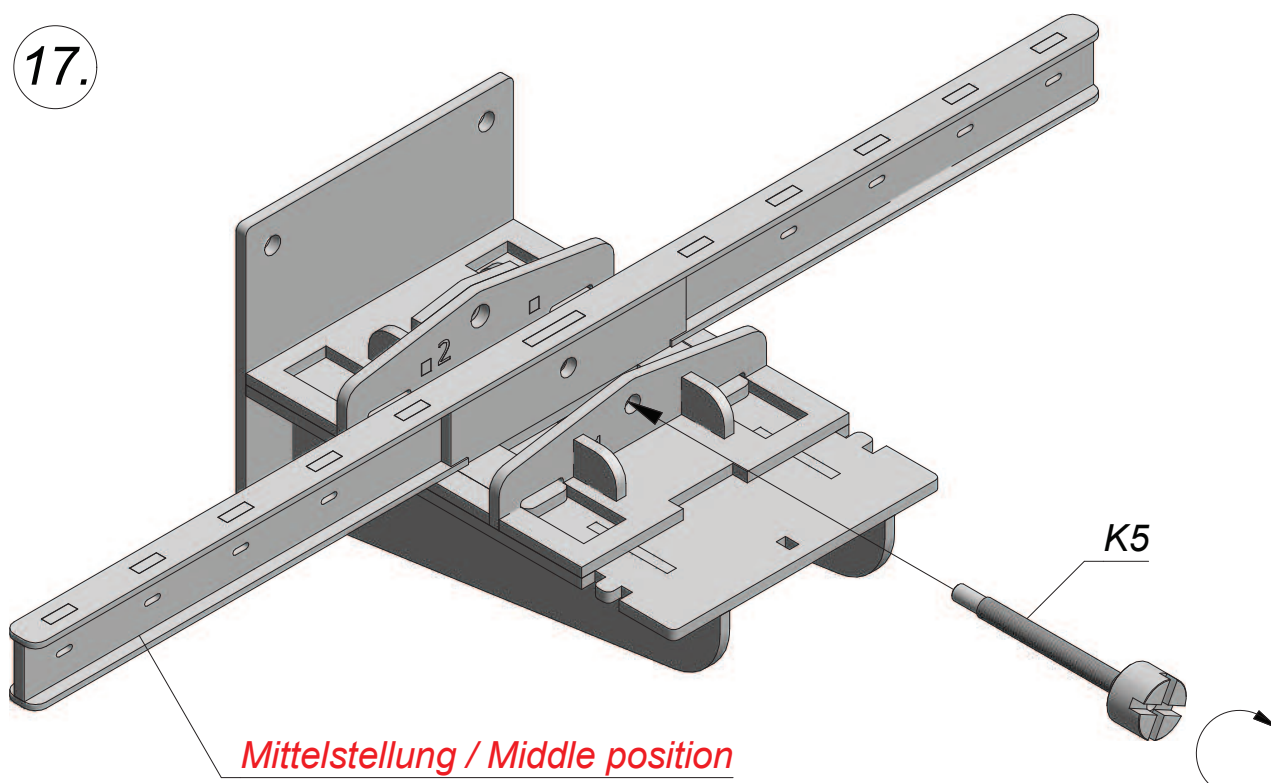
15.

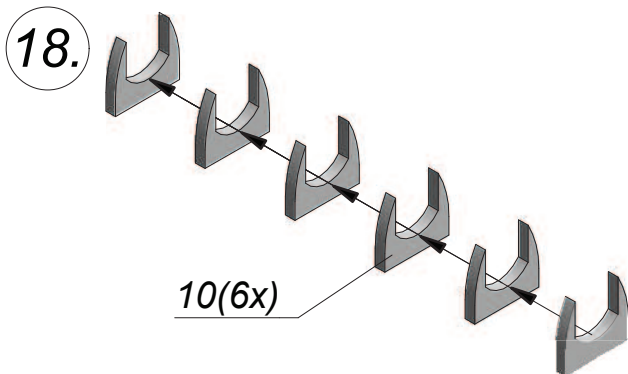


16.



17.





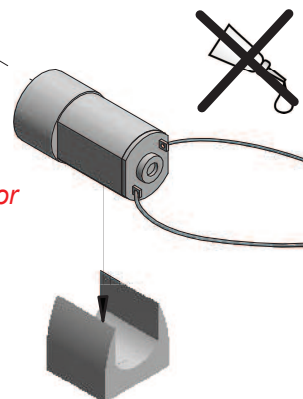
19.

Ohne Kleber / Without glue.

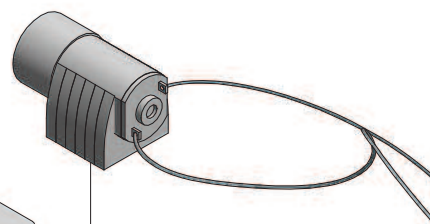
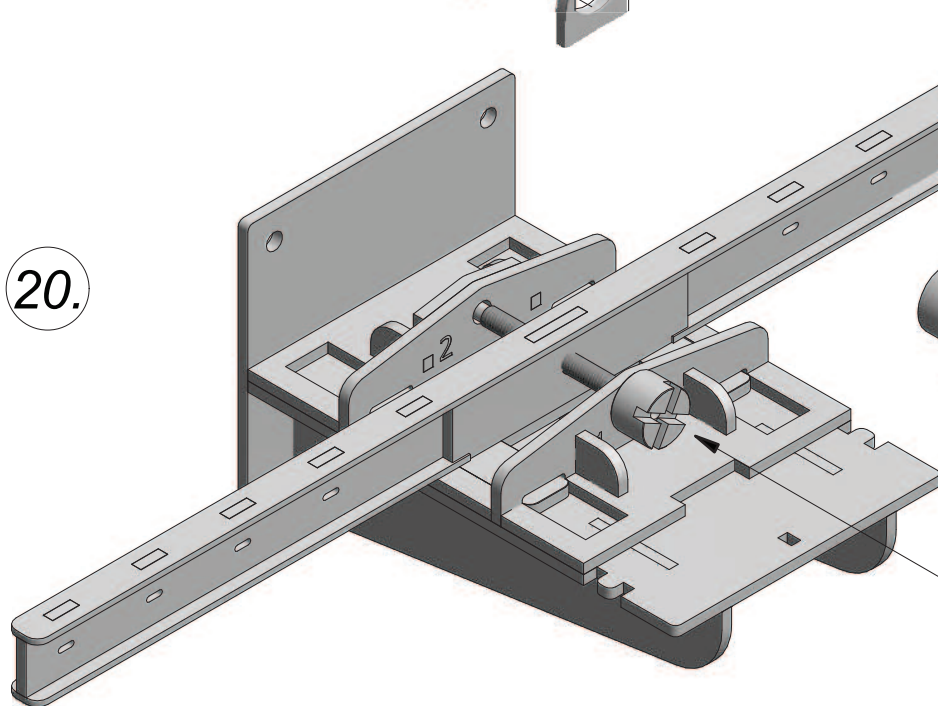
KB Motor / Motor

Kondensator und
Widerstand nicht
dargestellt!

Capacitor and resistor
not illustrated!



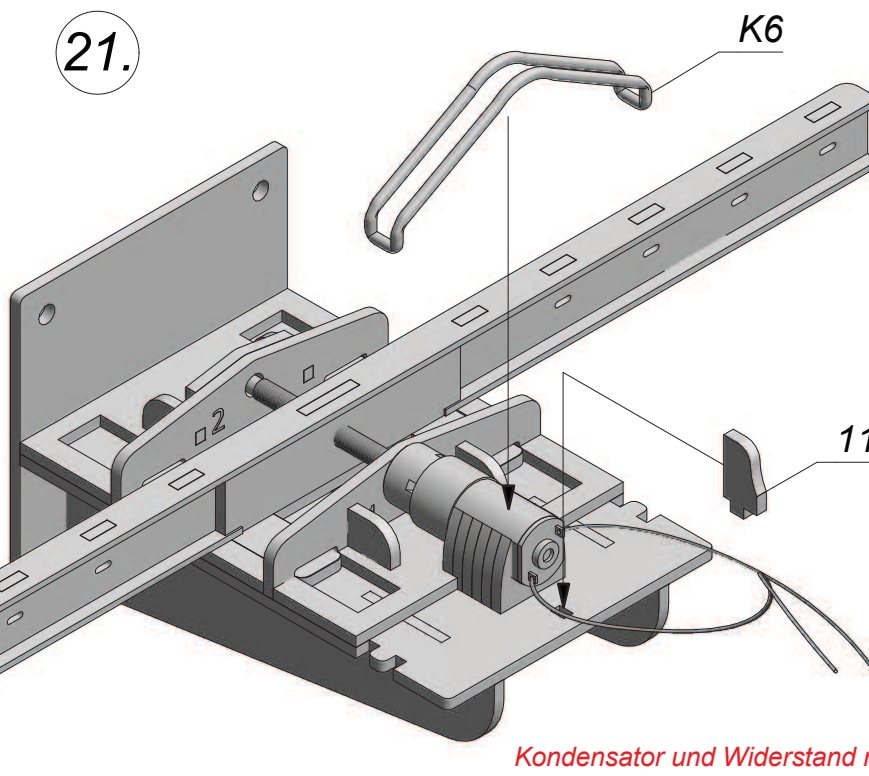
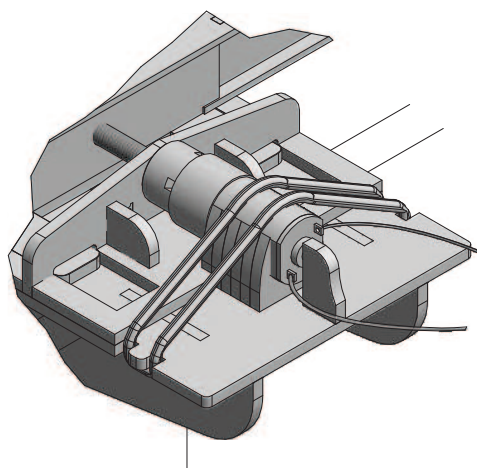
20.



Kondensator und Widerstand nicht
dargestellt!

Capacitor and resistor not illustrated!

21.



Kondensator und Widerstand nicht
dargestellt!

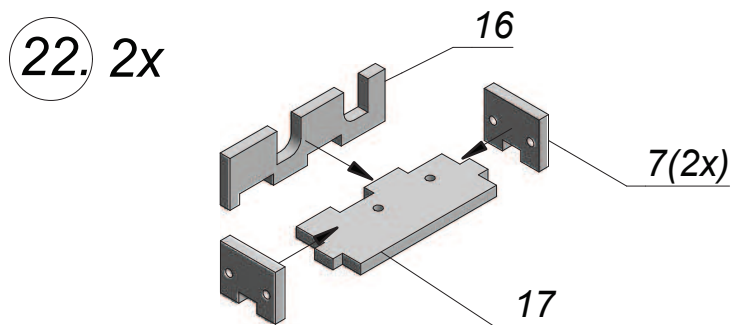
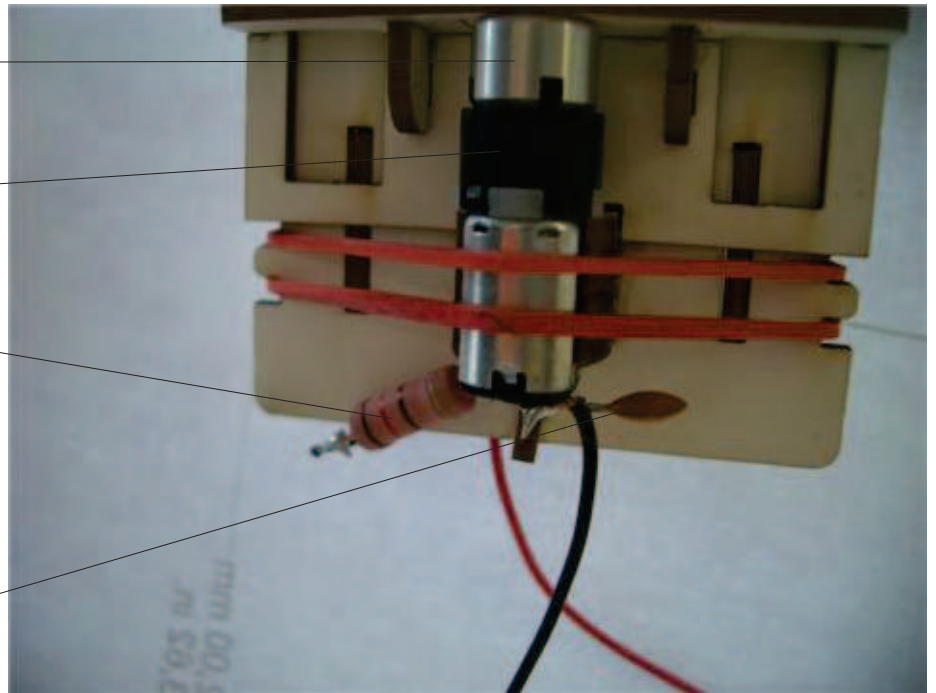
Capacitor and resistor not illustrated!

Antriebswelle / Drive shaft

Motor / Motor

Widerstand / resistor

Kondensator / capacitor



23. 2x

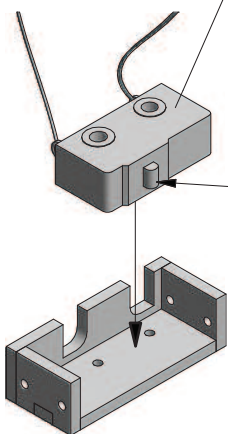
KB Endschalter /
Limit switch

Ohne Kleber. / Without glue.

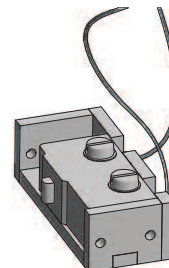
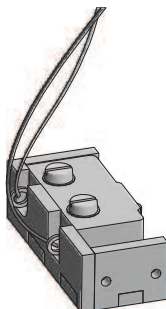


Auf richtige Ausrichtung achten!

Pay attention to correct position!

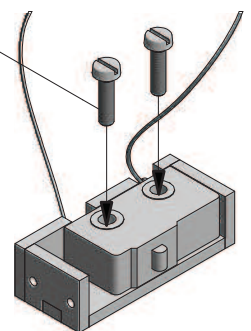


25.



K2(2x)

2x 24.

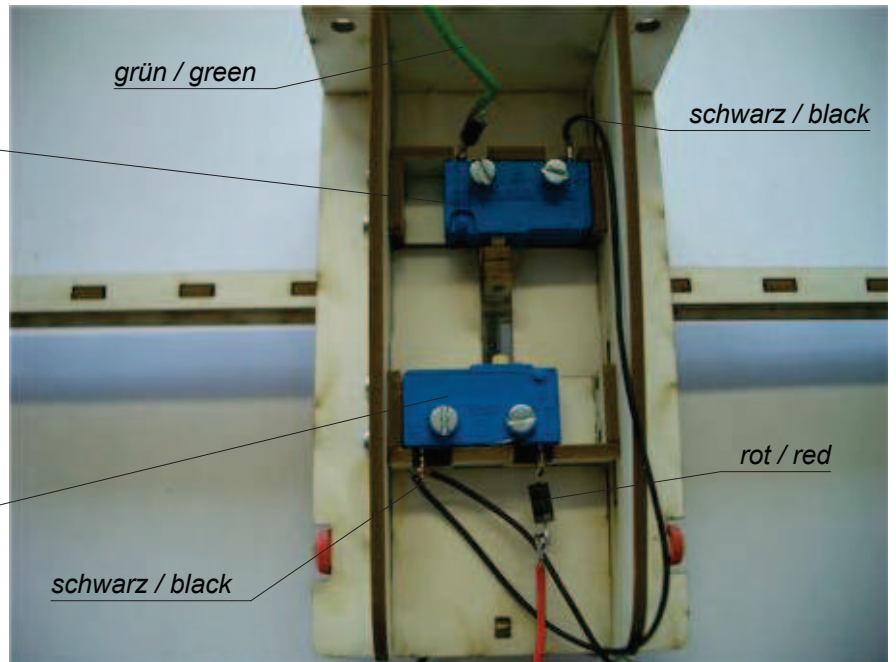


Endschalter 2 schwarz / grün

Limit switch 2 black / green

Endschalter 1 schwarz / rot

Limit switch 1 black / red



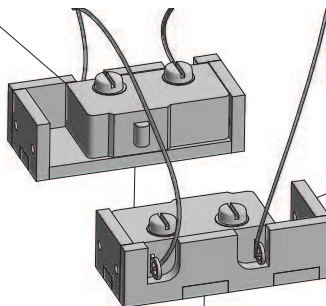
Endschalter 2 schwarz / grün

Limit switch 2 black / green

26.

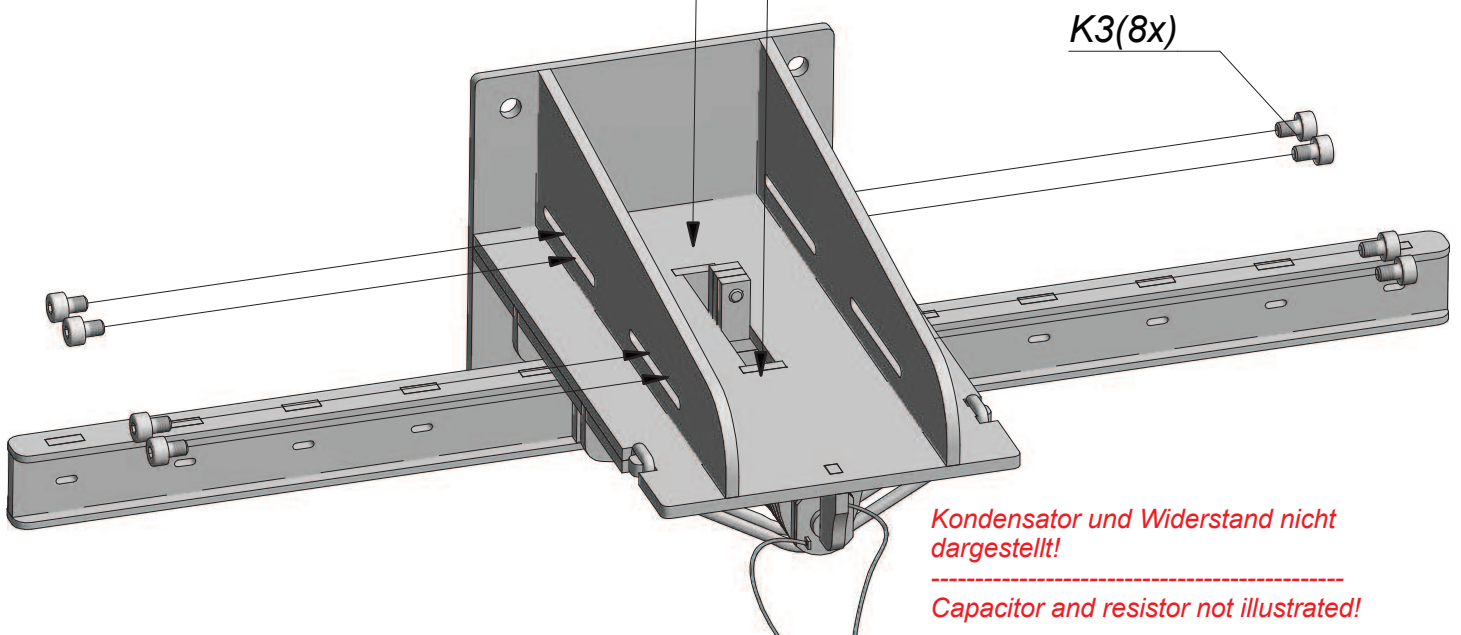
*Position der Endschalter
in den Langlöchern verstellbar!*

*Position of limit switches
adjustable in the long slots!*



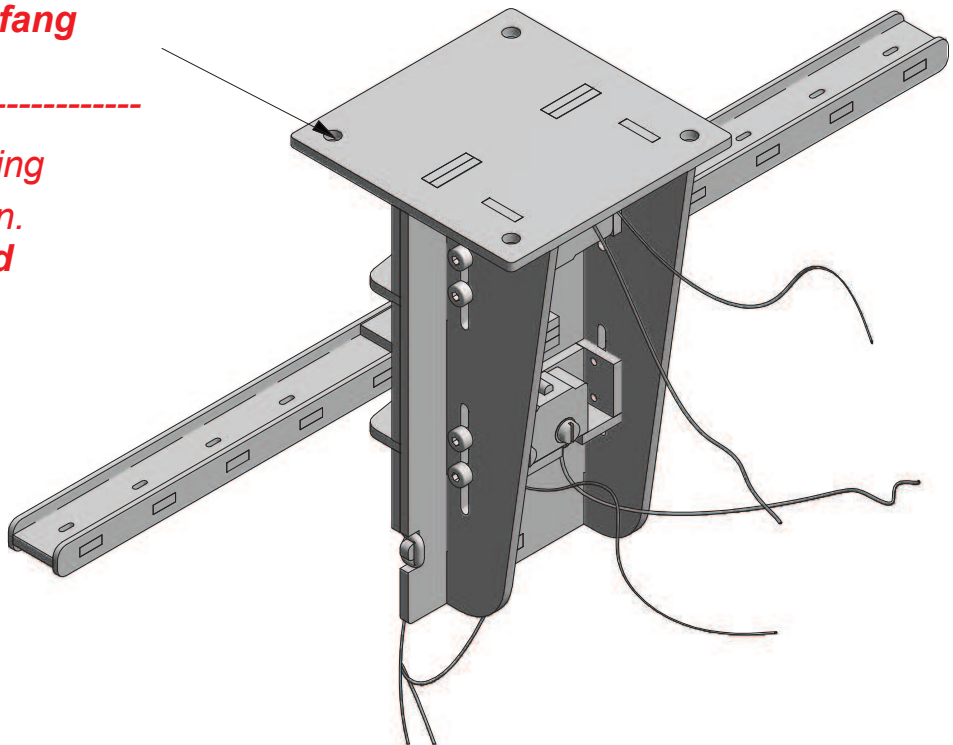
Endschalter 1 schwarz / rot

Limit switch 1 black / red



**Ø 3 mm (4x) für Montage an
der Anlage.
Schrauben im Lieferumfang
nicht enthalten!**

**Ø 0.12 in. (4x) for mounting
at the railway construction.
Screws are not included
in delivery!**

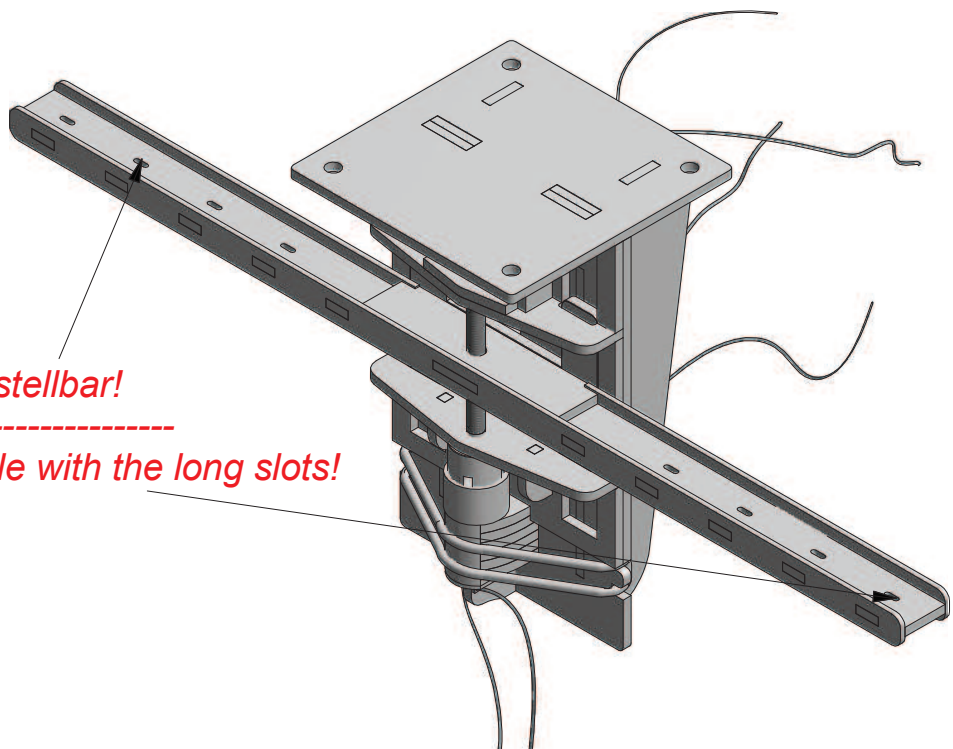


**Vor dem Einbau Antrieb testen und Balken in oberste Stellung fahren.
= Betätigung Endschalter 2 (schwarz / grün)
Schaltplan siehe nächste Seite.**

**Test the drive assembly before mounting. Bring the beam into position at the top.
= control device of limit switch 2 (black / green)
Please turn over for connection scheme.**

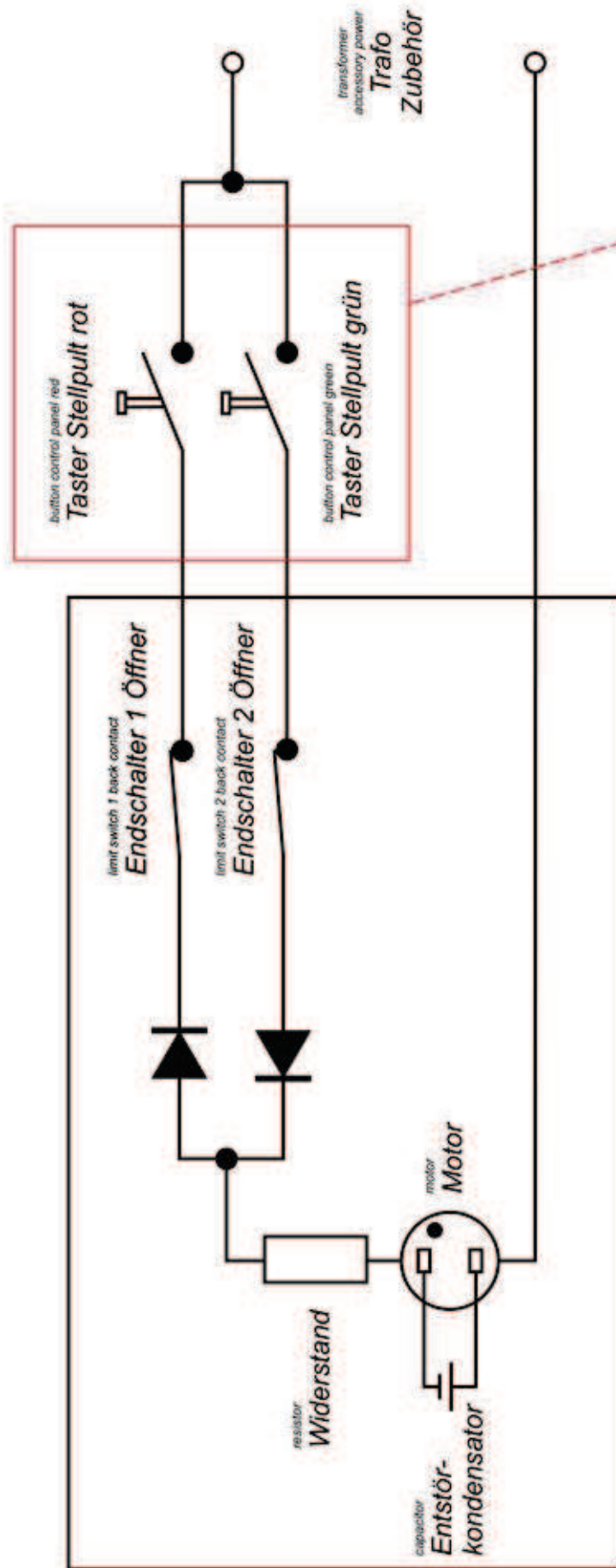
**Position des Drahtes
mit den Langlöchern verstellbar!**

Position of wire adjustable with the long slots!



Anschlussbeispiel 1 Schranke

Connection scheme level-crossing - example 1



**Nicht im Lieferumfang
enthalten!**

Not included in delivery!

Anmerkungen:

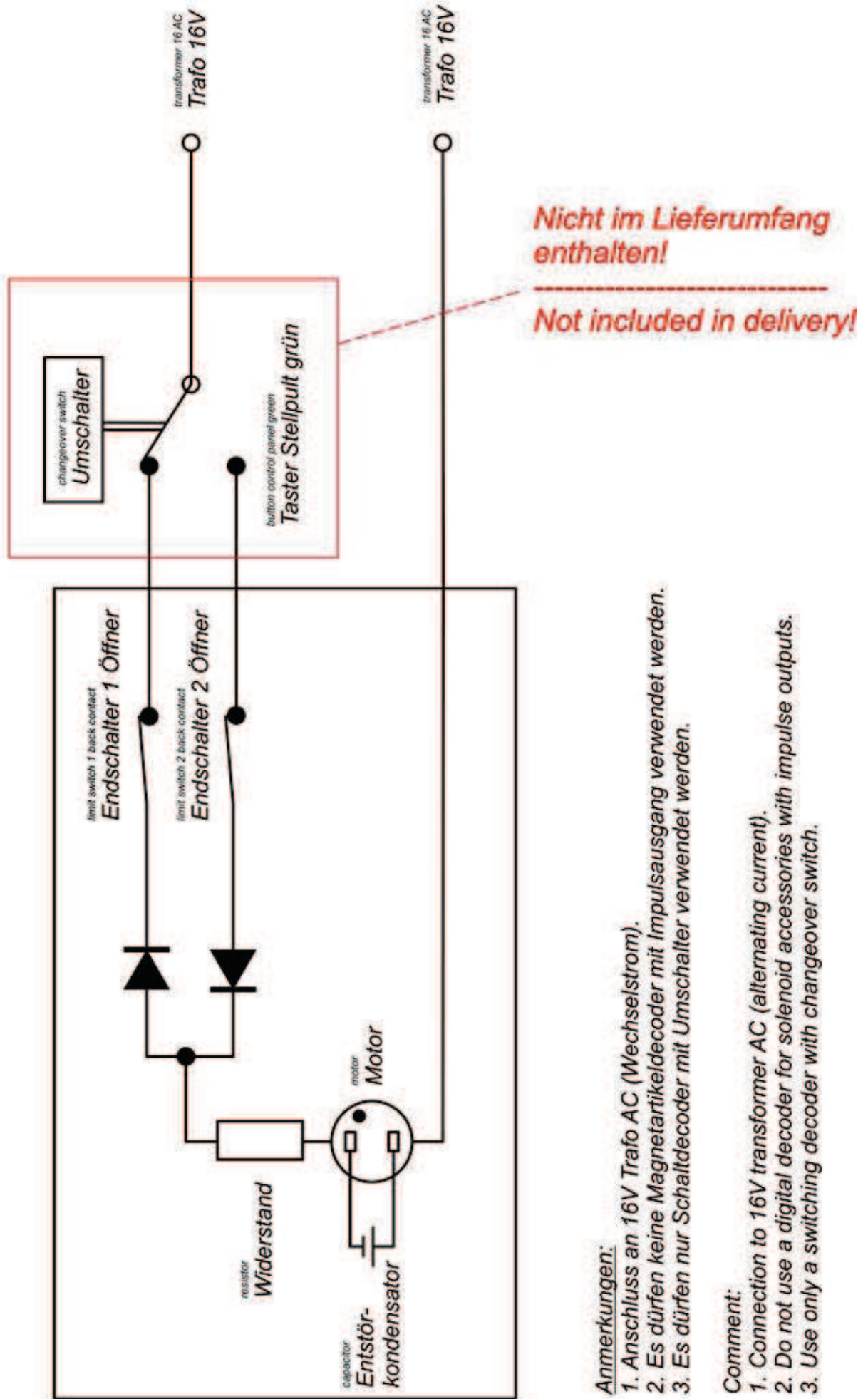
1. Anschluss an 16V Trafo gelb/braun (Wechselstrom).
2. Bei der Montage ist zu beachten, dass die Drehrichtung des Motors stimmt.
Wenn der Motor gegen den Endschalter läuft soll dieser dann den Strom unterbrechen.

Comment:

1. Connection to 16V transformer yellow/brown (alternating current).
2. Attention should be paid to direction of engine rotation.
Limit switch should break the current when the motor trips it.

Anschlussbeispiel 2 Schranke

Connection scheme level-crossing - example 2



Anmerkungen:

1. Anschluss an 16V Trafo AC (Wechselstrom).
2. Es dürfen keine Magnetartikeldecoder mit Impulsausgang verwendet werden.
3. Es dürfen nur Schaldecoder mit Umschalter verwendet werden.

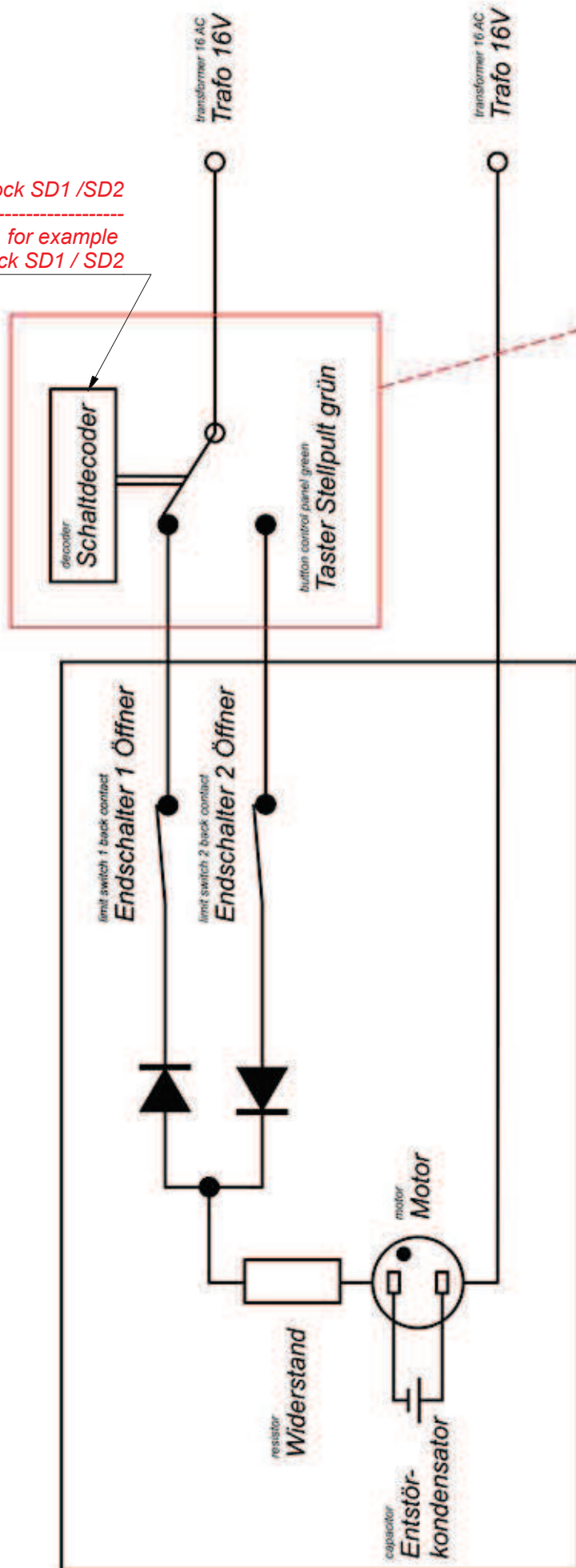
Comment:

1. Connection to 16V transformer AC (alternating current).
2. Do not use a digital decoder for solenoid accessories with impulse outputs.
3. Use only a switching decoder with changeover switch.

Anschlussbeispiel 3 Schranke Connection scheme level-crossing - example 3

z.B. Uhlenbrock SD1 / SD2

for example
Uhlenbrock SD1 / SD2



Nicht im Lieferumfang
enthalten!

Not included in delivery!

Anmerkungen:

1. Anschluss an 16V Trafo AC (Wechselstrom).
2. Es dürfen keine Magnetartikeldecoder mit Impulsausgang verwendet werden.
3. Es dürfen nur Schaltdecoder mit Umschalter verwendet werden.

Comment:

1. Connection to 16V transformer AC (alternating current).
2. Do not use a digital decoder for solenoid accessories with impulse outputs.
3. Use only a switching decoder with changeover switch.

Montage auf der Anlage

Mounting on the railway layout

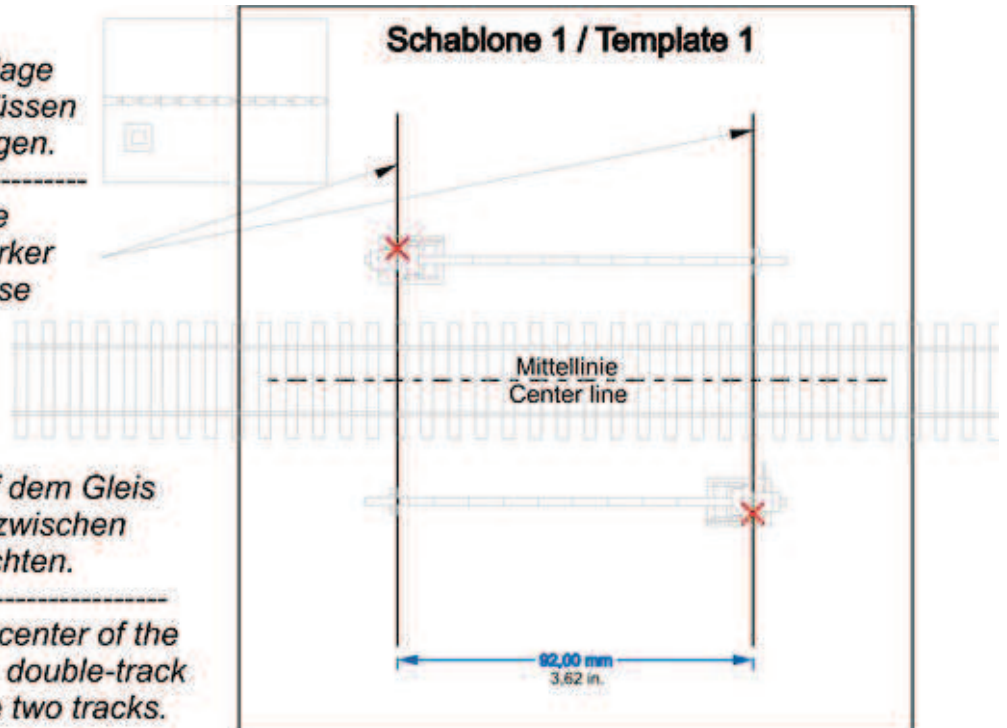
Schritt 1 / Step 1:

Mitte Bohrung auf der Anlage markieren. Die Punkte müssen auf diesen zwei Linien liegen.

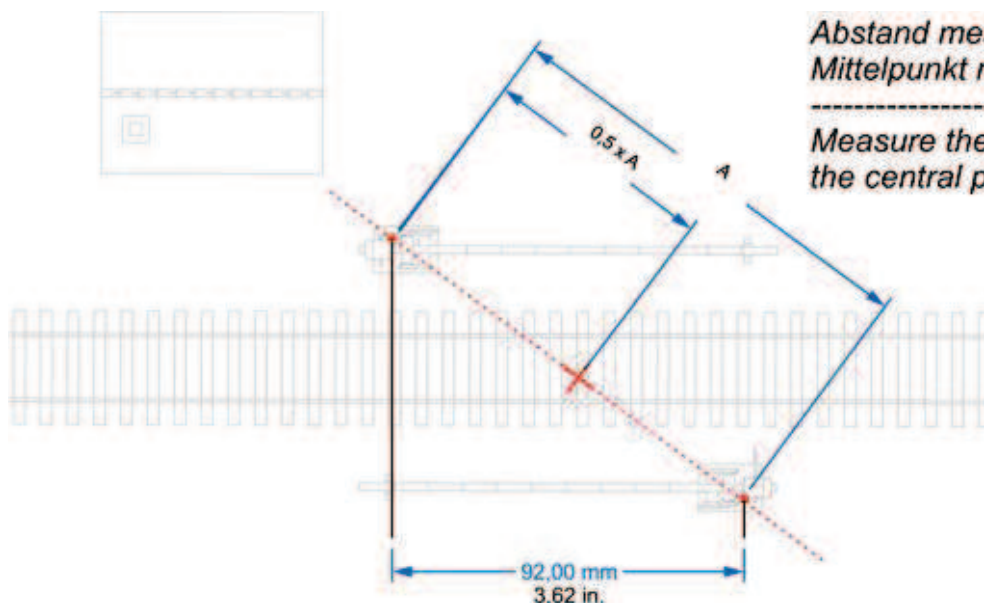
Mark center of hole on the model railroad layout. Marker points have to rest on these two lines.

Mittellinie mittig auf dem Gleis (beim Doppelgleis zwischen den Gleisen) ausrichten.

Align center line in center of the track. If you have a double-track align it between the two tracks.



Schritt 2 / Step 2:



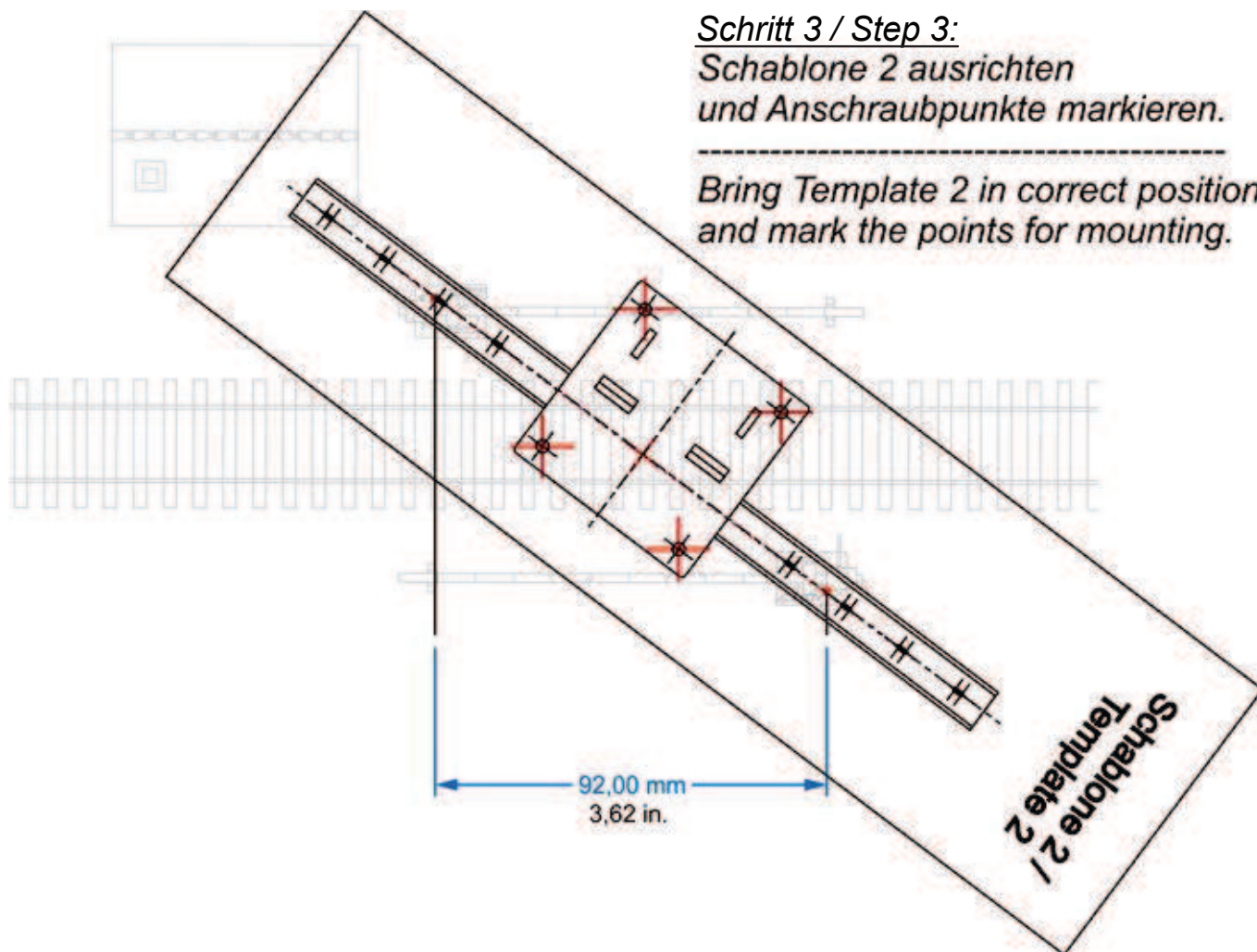
Abstand messen und den Mittelpunkt markieren.

Measure the distance and mark the central point.

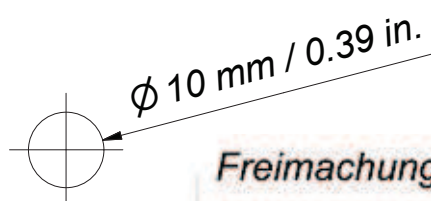
Schritt 3 / Step 3:

Schablone 2 ausrichten
und Anschraubpunkte markieren.

Bring Template 2 in correct position
and mark the points for mounting.



Schritt 4 / Step 4:

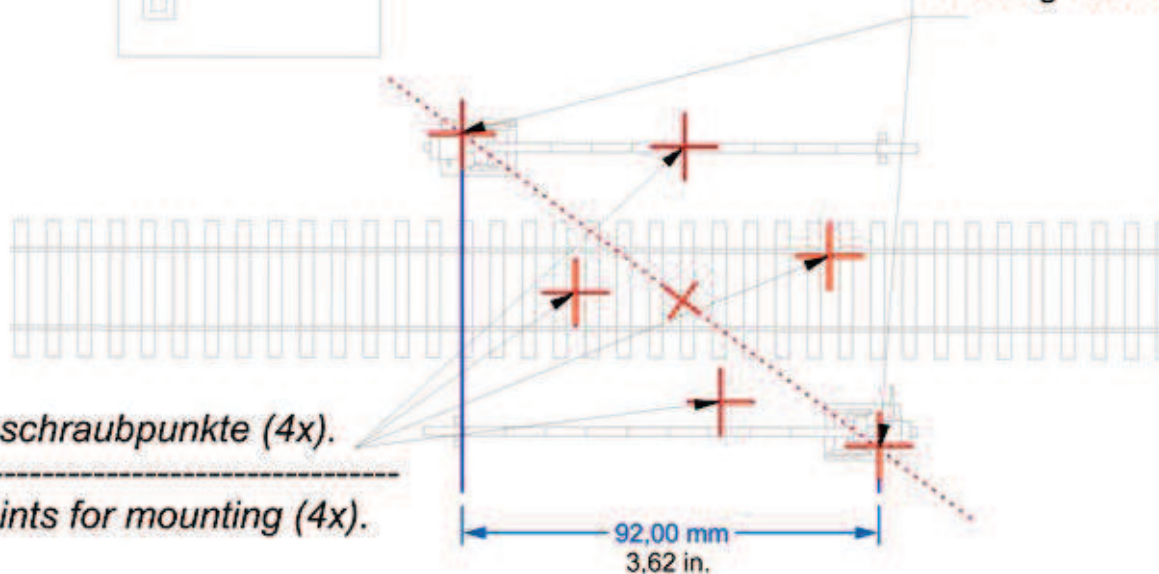


Freimachung für Draht.

Freeing for wire.

Anschraubpunkte (4x).

Points for mounting (4x).

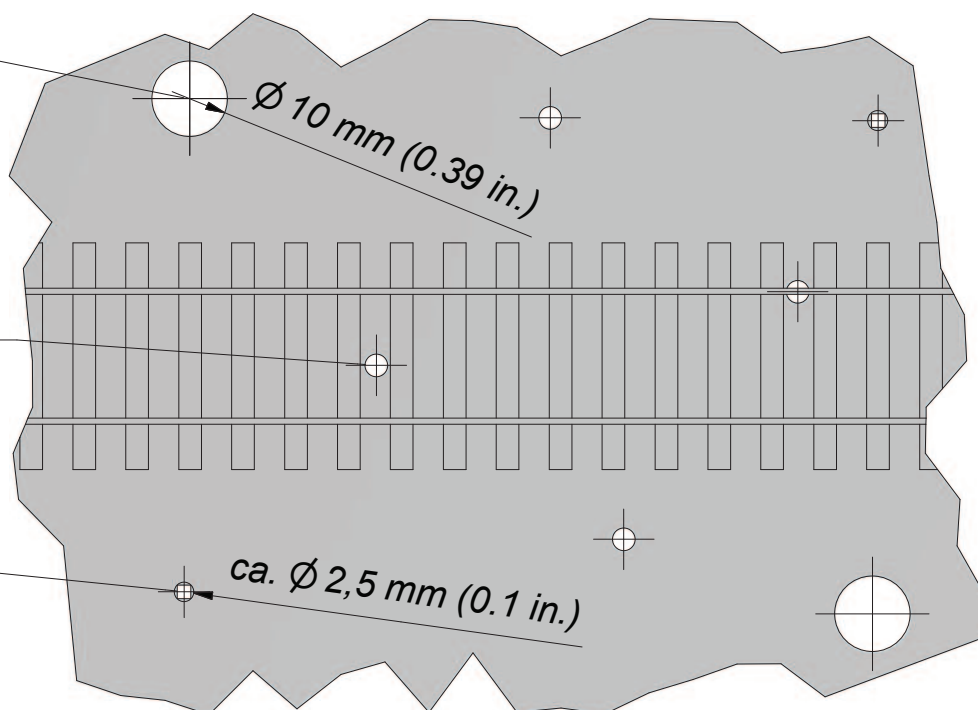


Bohrung für Draht /
Hole for the wire
(2x)

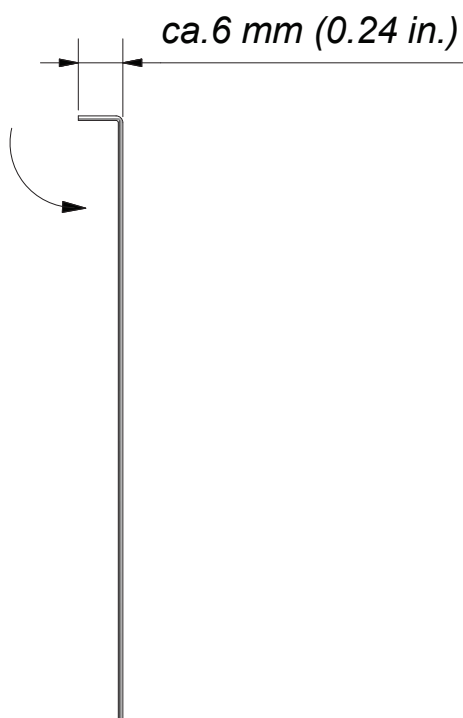
Draufsicht / Plan view (1 : 1)

Bohrung zur Befestigung
der Antriebseinheit /
Hole for the drive unit.
(4x)

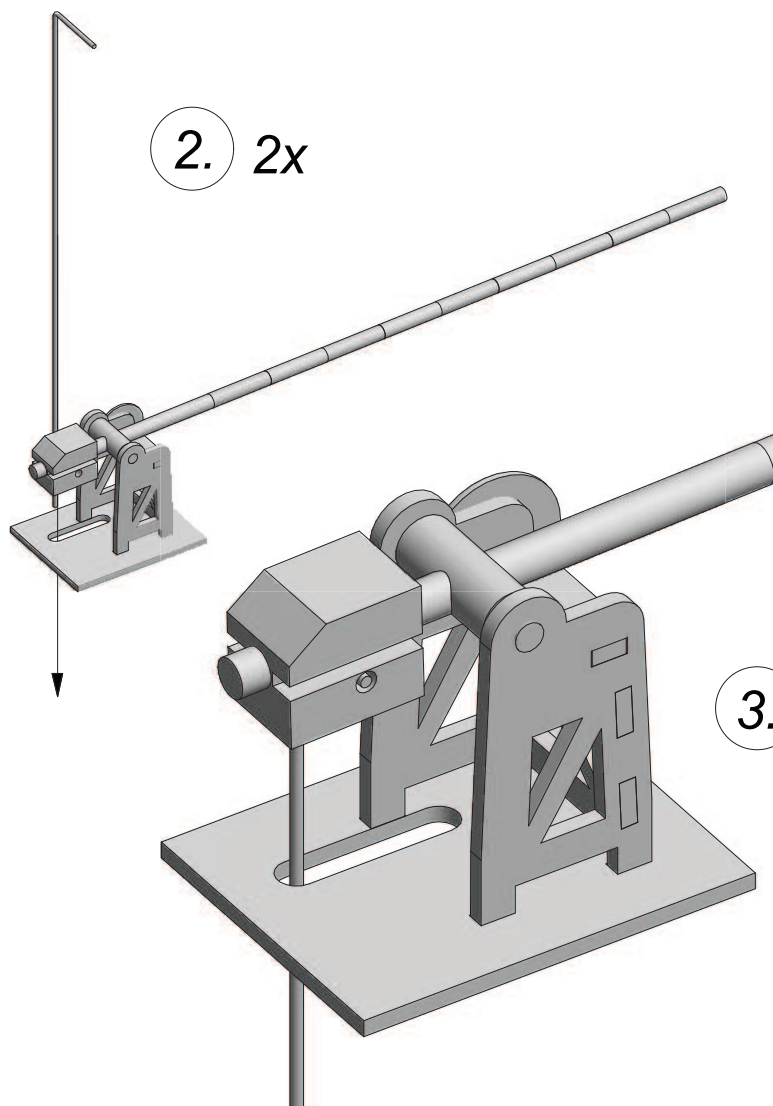
Bohrung für Pfosten /
Hole for the post.
(2x)



1. 2x

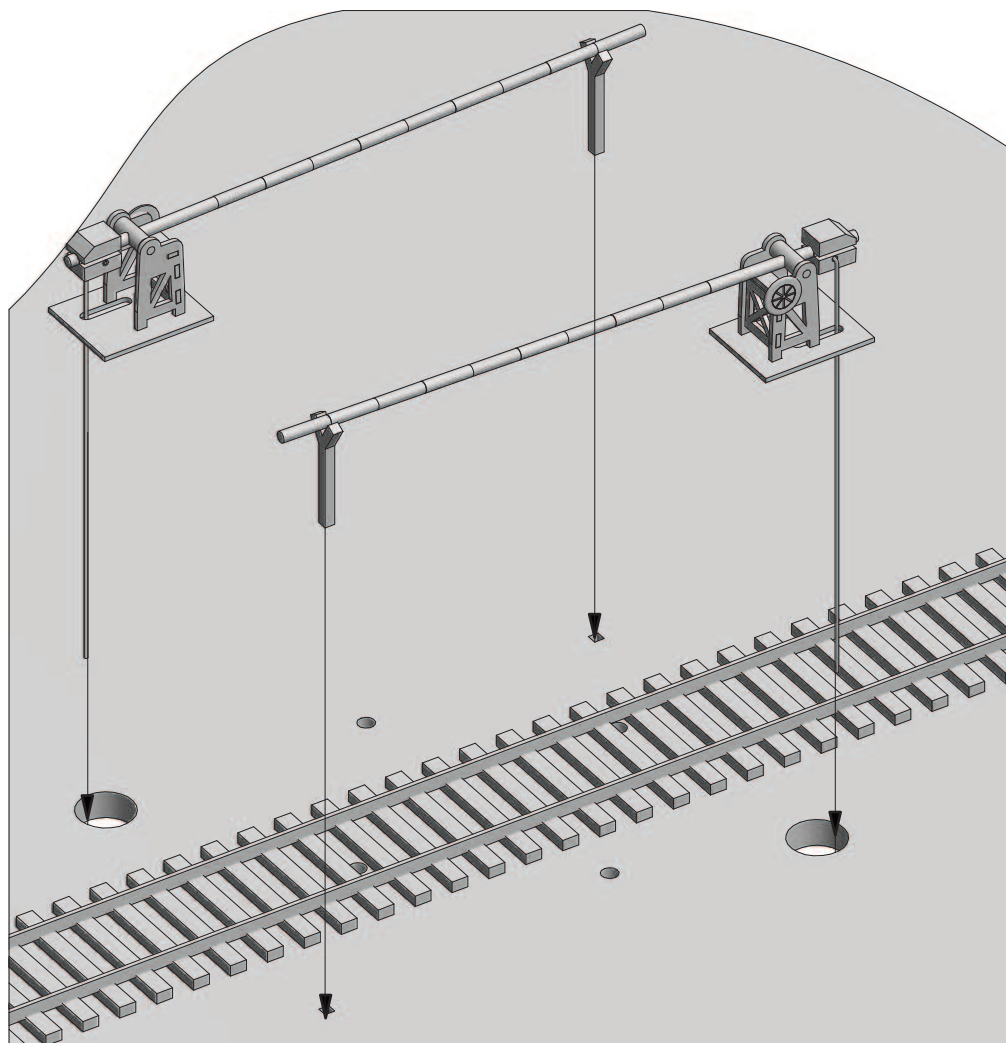


2. 2x

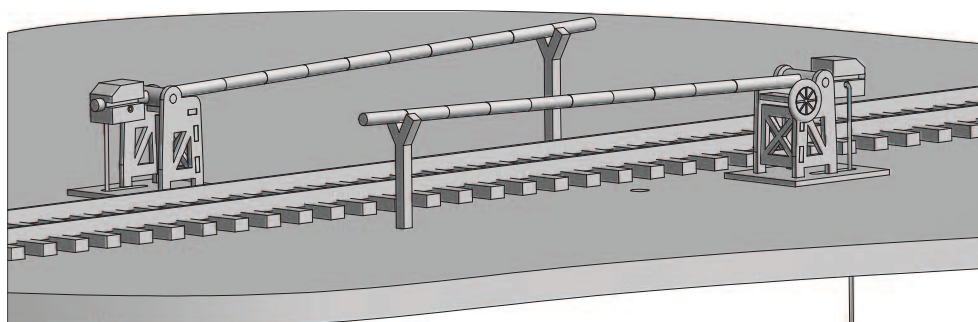


3. 2x

4.



5.



Teil 21 ohne Kleber aufschieben.

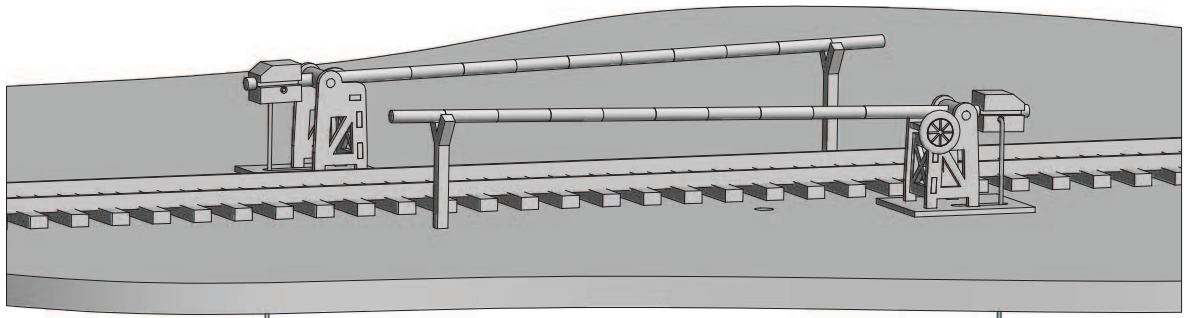
Insert part 21 without glue.

21



21

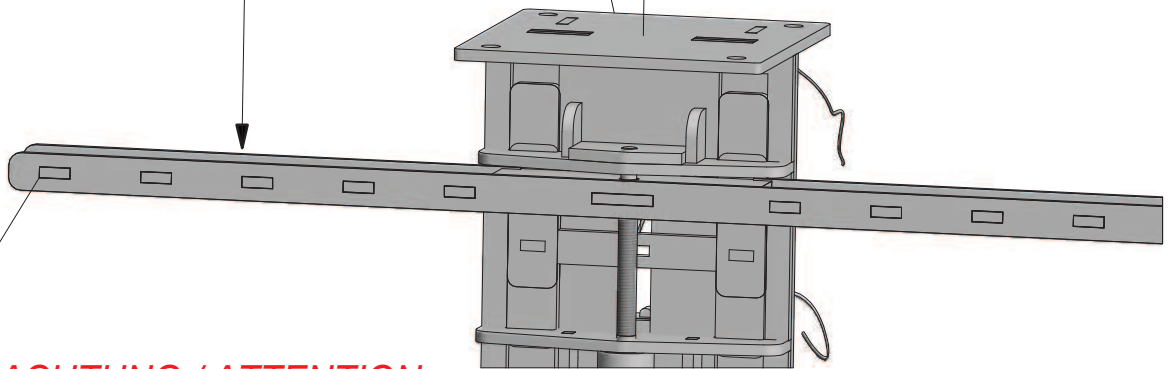
6.



Nahe liegendes Langloch
wählen! Draht darf
auch schräg verlaufen.

Choose the long slot
nearby! Wire can also
continue angular.

Verdrehgefahr!
Pay attention not
to twist!

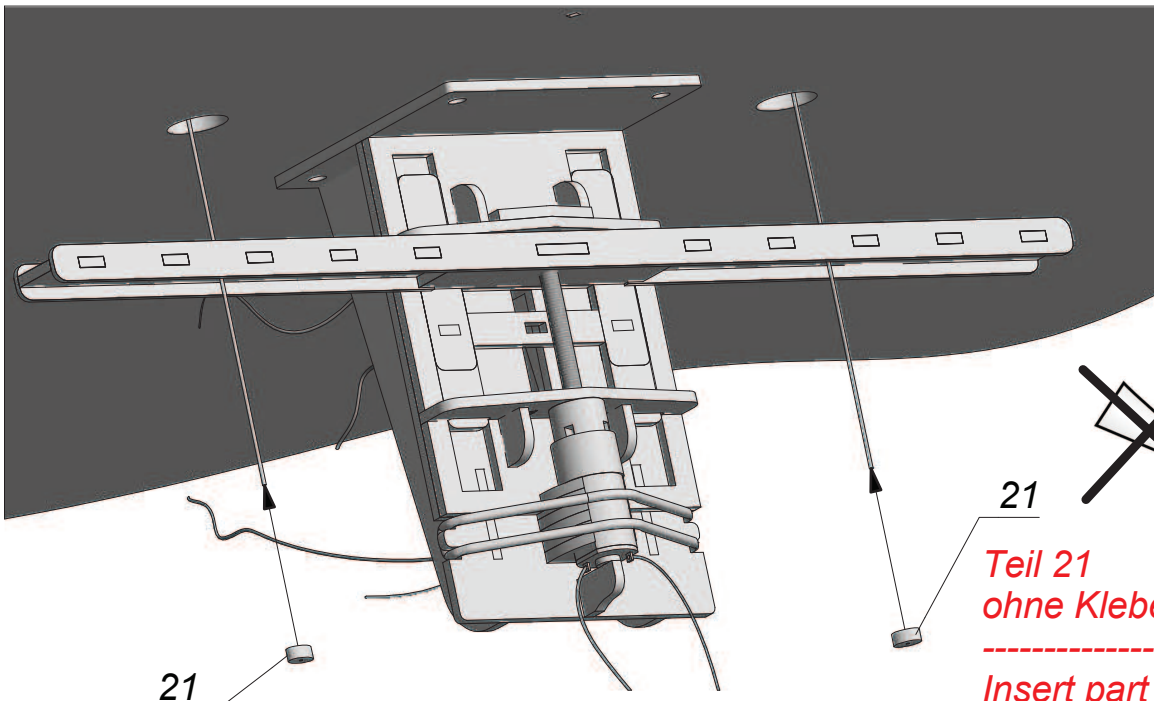


ACHTUNG / ATTENTION
Balkenstellung = Betätigung Endschalter 2 (oben)
Position of beam = control device of limit switch 2 (at the top)

a

Antriebseinheit an der Anlage befestigen.
Fix the drive unit at the railway construction.

7.



21

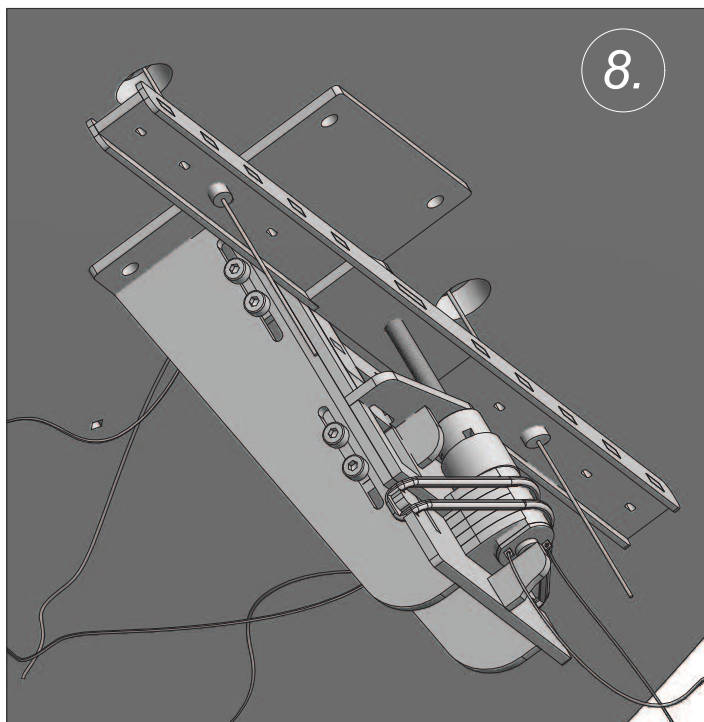
21

Teil 21
ohne Kleber aufschieben.

Insert part 21 without glue.

b

8.

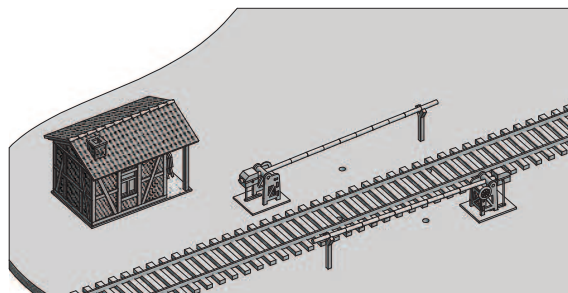


ACHTUNG!

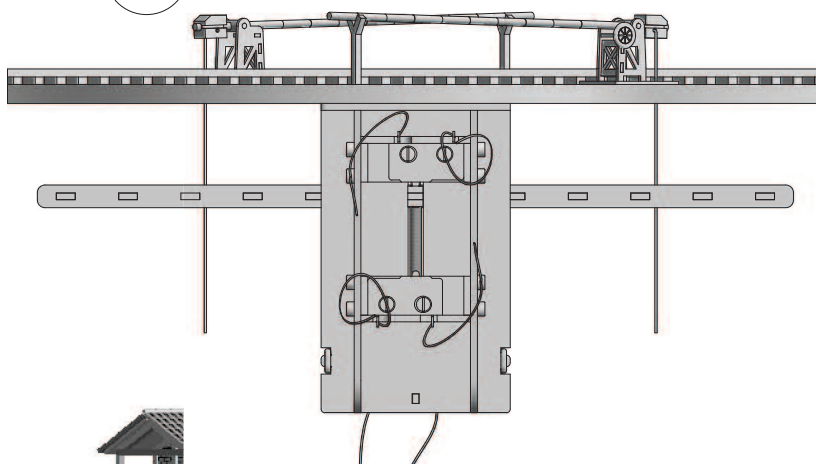
Schranke muss in geschlossener Stellung sein! Stopper liegen oben und unten an Balken an.

ATTENTION!

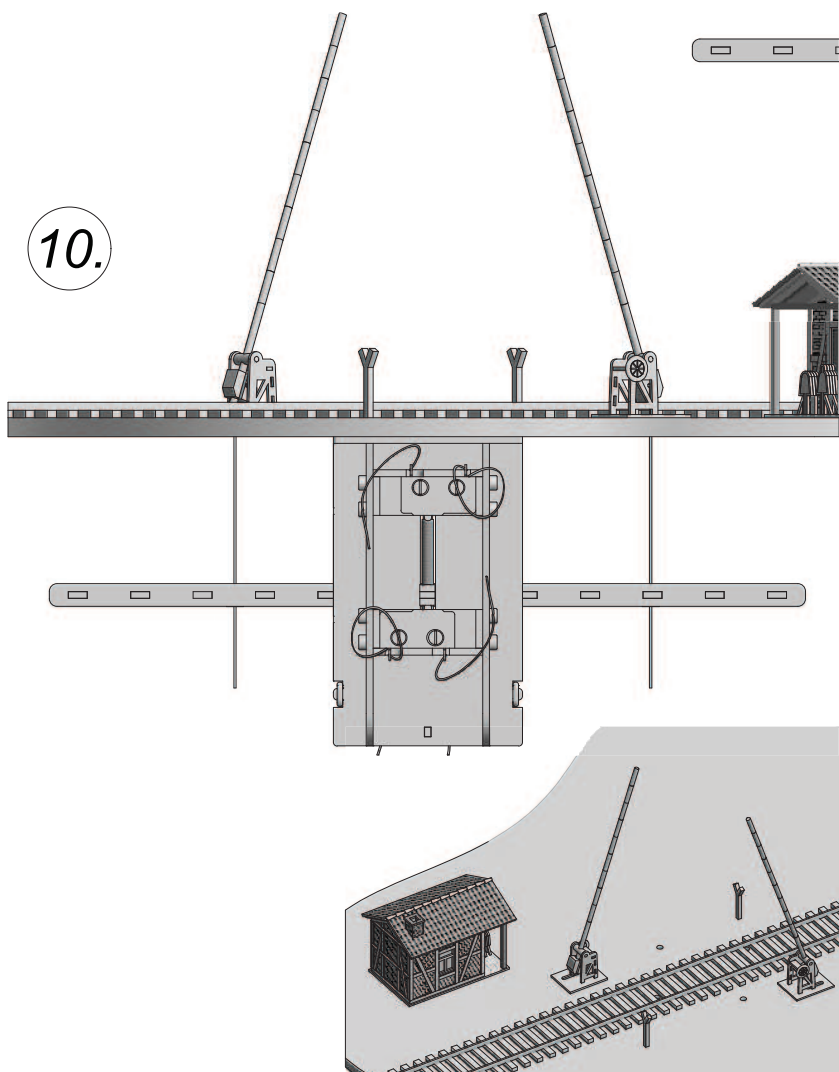
Level-crossing has to be in closed position! Stopper rest at the top and at the bottom against the beam.



9.



10.



Balken nach unten fahren bis die Schranke den gewünschten Öffnungszustand erreicht hat. Nun Endschalter 1 verschieben und in gedrücktem Zustand festschrauben.

Drive beam downward until level-crossing is opened in right position. Move now limit switch 1 and tighten it in operated state.