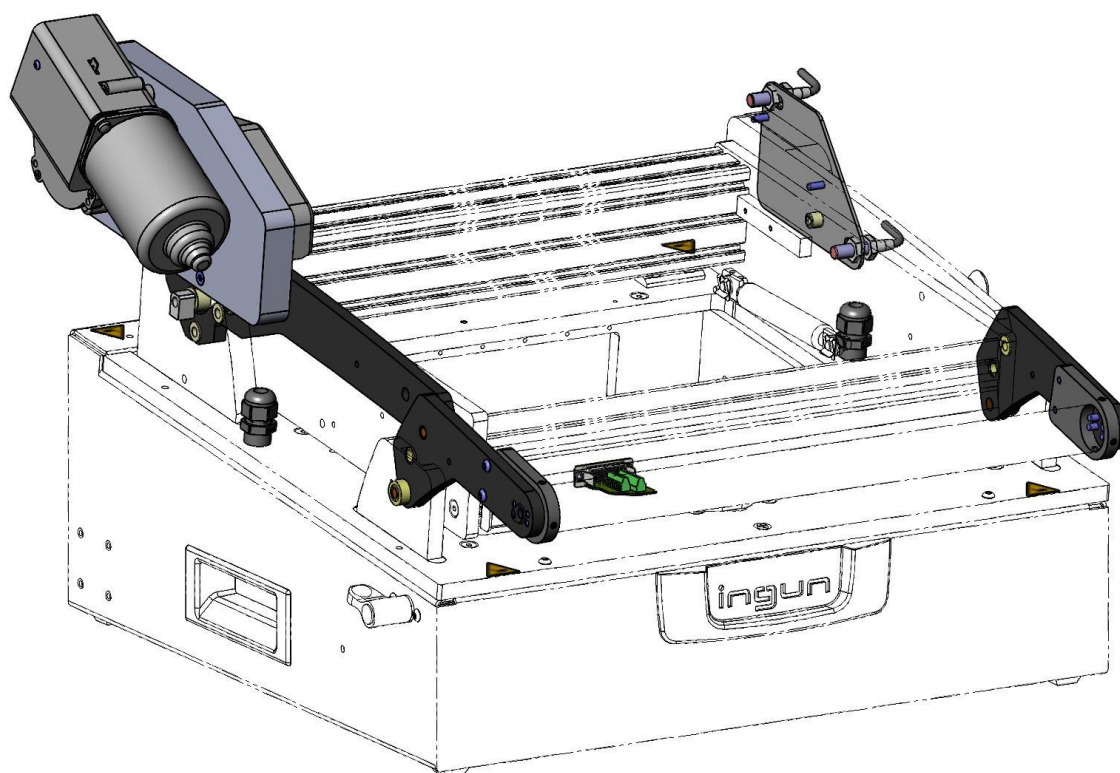


# Montageanleitung

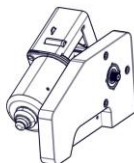
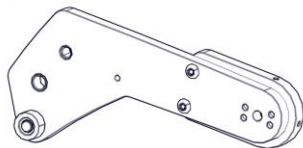
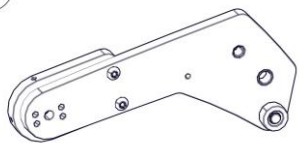
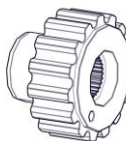
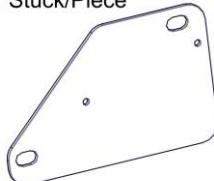
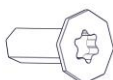
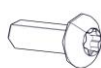
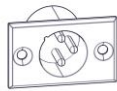
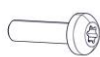
Öffner-/Schließer-Automatik – FB-OSA-E-MAXxxx

## Assembly Instructions

Automatic opener/closer – FB-OSA-E-MAXxxx



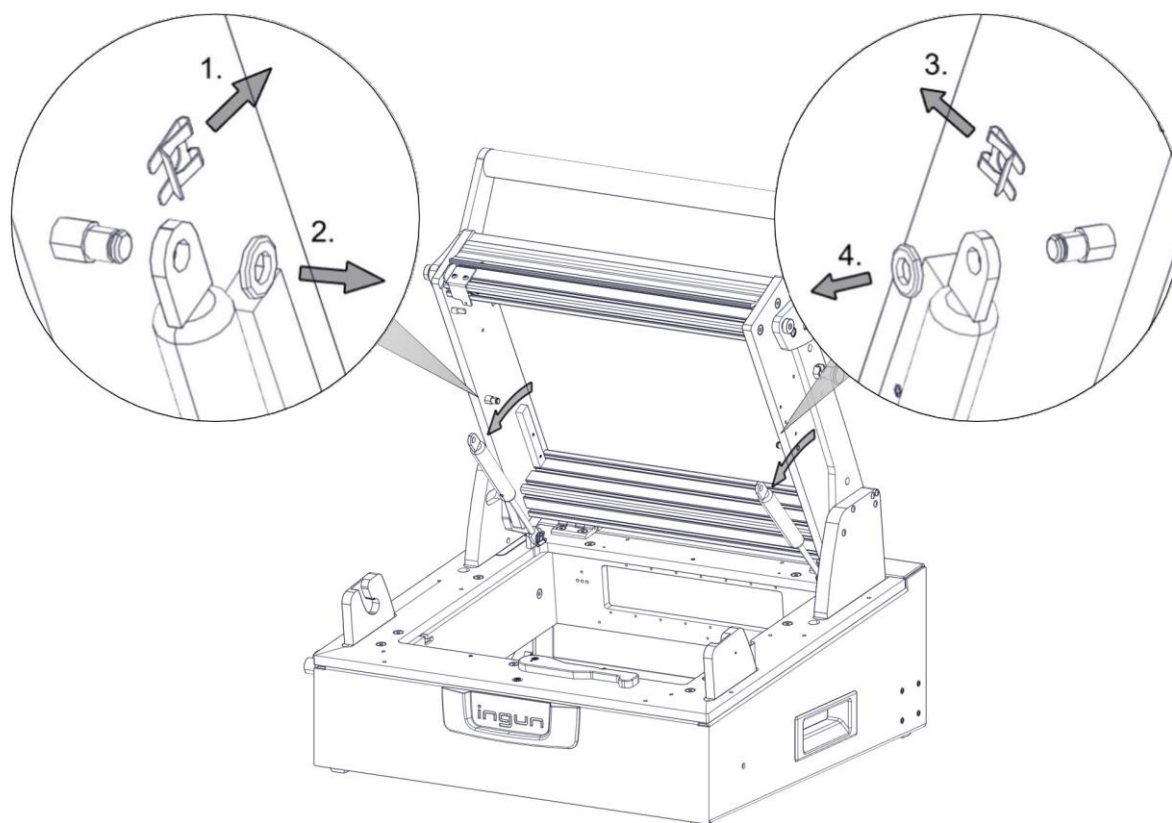
## Teileliste / *Parts list*

|                                                                                                                                                                            |                                                                                                                                                                            |                                                                                                                                                                            |                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>1</div> <div>1 Stück/Piece</div> <div></div> <div>Art.-Nr./Part-no.: 114005</div>    | <div>2</div> <div>1 Stück/Piece</div> <div></div> <div>Art.-Nr./Part-no.: 114015</div>    | <div>3</div> <div>1 Stück/Piece</div> <div></div> <div>Art.-Nr./Part-no.: 114016</div>  |                                                                                                                                                                              |
| <div>4</div> <div>1 Stück/Piece</div> <div></div> <div>Art.-Nr./Part-no.: 114017</div>    | <div>5</div> <div>1 Stück/Piece</div> <div></div> <div>Art.-Nr./Part-no.: 114067</div>    | <div>6</div> <div>1 Stück/Piece</div> <div></div> <div>Art.-Nr./Part-no.: 113380</div>  |                                                                                                                                                                              |
| <div>7</div> <div>1 Stück/Piece</div> <div></div> <div>Art.-Nr./Part-no.: 112310</div>    | <div>8</div> <div>1 Stück/Piece</div> <div></div> <div>Art.-Nr./Part-no.: 113791</div>    | <div>9</div> <div>2 Stück/Piece</div> <div></div> <div>Art.-Nr./Part-no.: 113884</div>    | <div>10</div> <div>1 Stück/Piece</div> <div></div> <div>Art.-Nr./Part-no.: 113998</div>   |
| <div>11</div> <div>2 Stück/Piece</div> <div></div> <div>Art.-Nr./Part-no.: 113365</div> | <div>12</div> <div>1 Stück/Piece</div> <div></div> <div>Art.-Nr./Part-no.: 112148</div> | <div>13</div> <div>2 Stück/Piece</div> <div></div> <div>Art.-Nr./Part-no.: 43643</div>  | <div>14</div> <div>6 Stück/Piece</div> <div></div> <div>DIN 914 - M4 x 5</div>          |
| <div>15</div> <div>4 Stück/Piece</div> <div></div> <div>ISO 14581 - M4 x 12 T20</div>   | <div>16</div> <div>3 Stück/Piece</div> <div></div> <div>ISO 7380 - M4 x 8 T20</div>     | <div>17</div> <div>3 Stück/Piece</div> <div></div> <div>ISO 7380 - M4 x 12 T20</div>    | <div>18</div> <div>1 Stück/Piece</div> <div></div> <div>DIN 9021 D4,3 large</div>       |
| <div>19</div> <div>4 Stück/Piece</div> <div></div> <div>Art.-Nr./Part-no.: 35334</div>  | <div>20</div> <div>1 Stück/Piece</div> <div></div> <div>Art.-Nr./Part-no.: 43392</div>  | <div>21</div> <div>1 Stück/Piece</div> <div></div> <div>Art.-Nr./Part-no.: 115847</div> | <div>22</div> <div>2 Stück/Piece</div> <div></div> <div>DIN 7991 - M3 x 10 T10</div>    |
| <div>23</div> <div>2 Stück/Piece</div> <div></div> <div>ISO 7380 - M2,5 x 10 T8</div>   | <div>24</div> <div>2 Stück/Piece</div> <div></div> <div>DIN 934 - M2,5</div>            | <div>25</div> <div>2 Stück/Piece</div> <div></div> <div>DIN 934 - M3</div>              | <div>26</div> <div>1 Stück/Piece</div> <div></div> <div>Art.-Nr./Part-no.: 115920</div> |
| <div>27</div> <div>2 Stück/Piece</div> <div></div> <div>Art.-Nr./Part-no.: 34608</div>  |                                                                                                                                                                            |                                                                                                                                                                            |                                                                                                                                                                              |

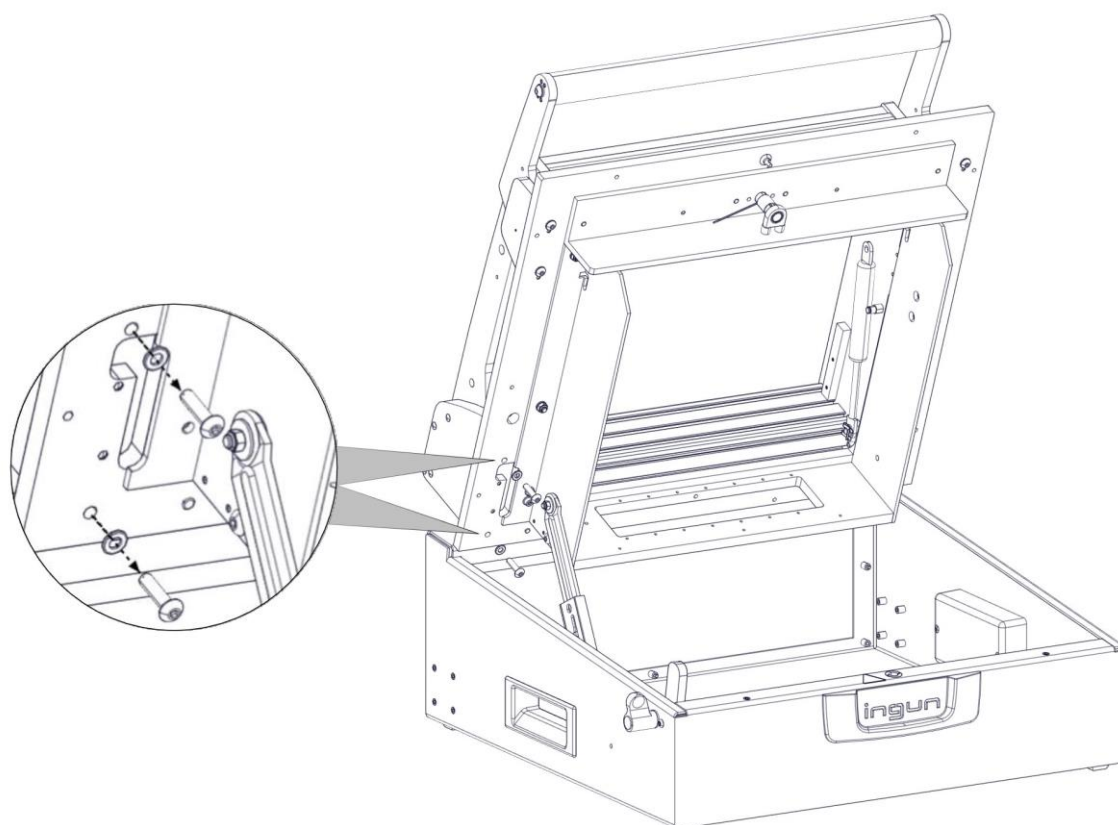
1



3)

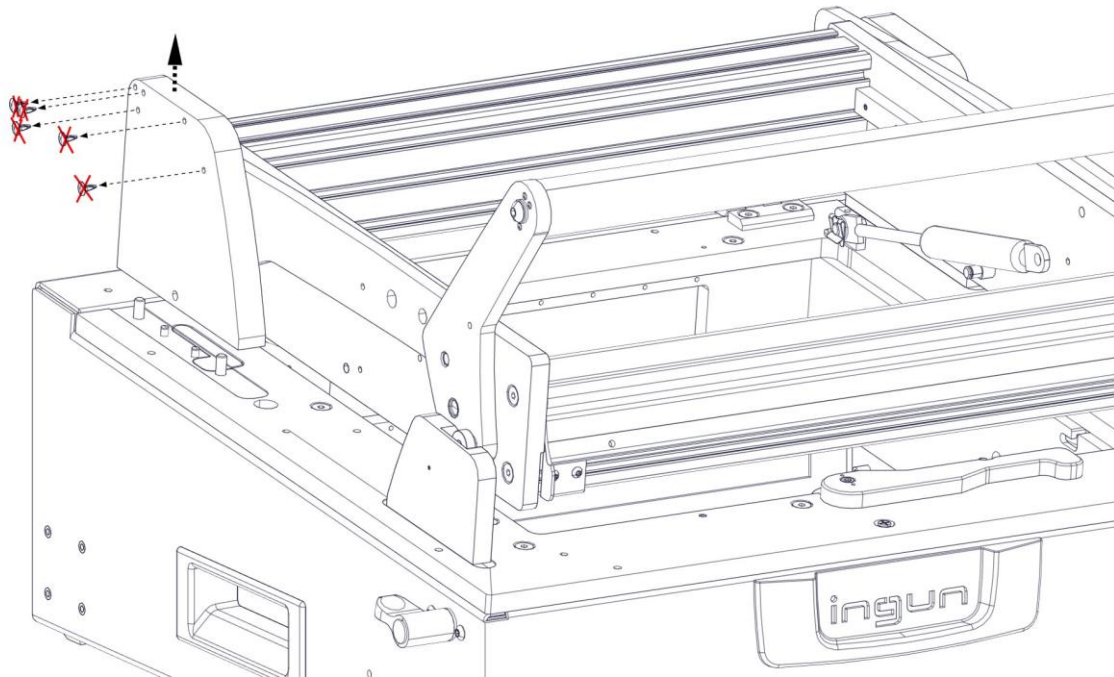


4)

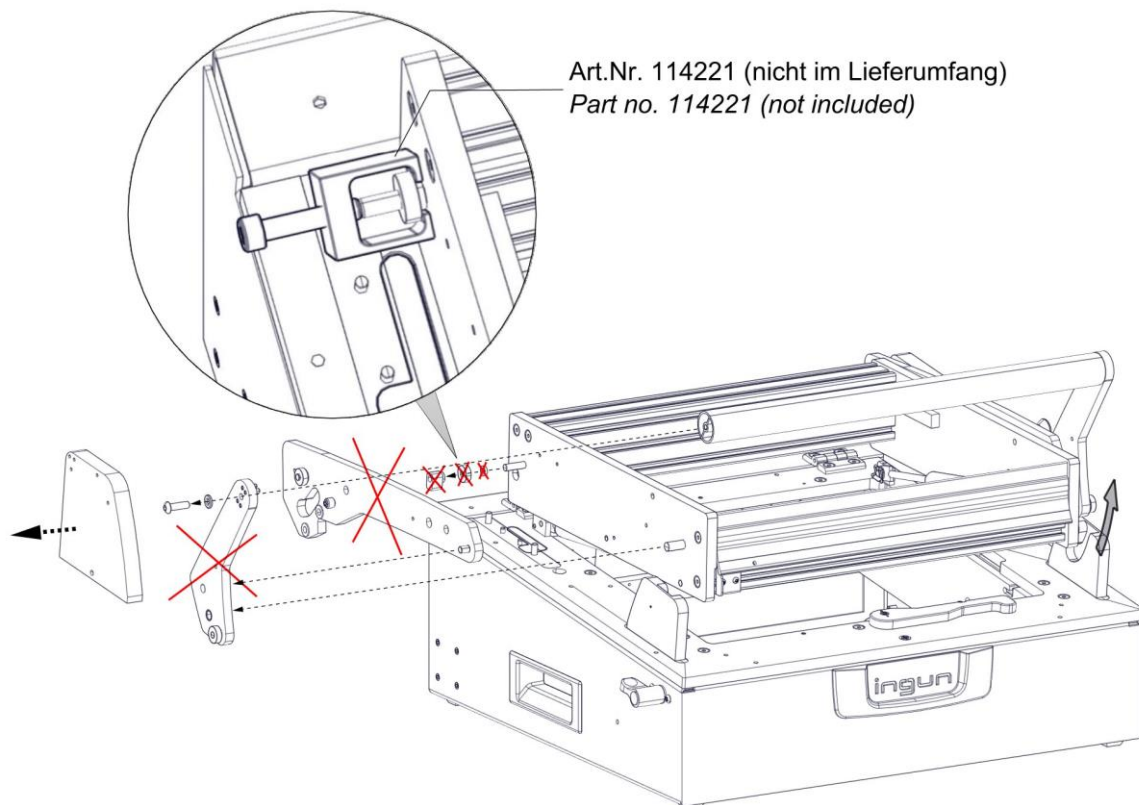




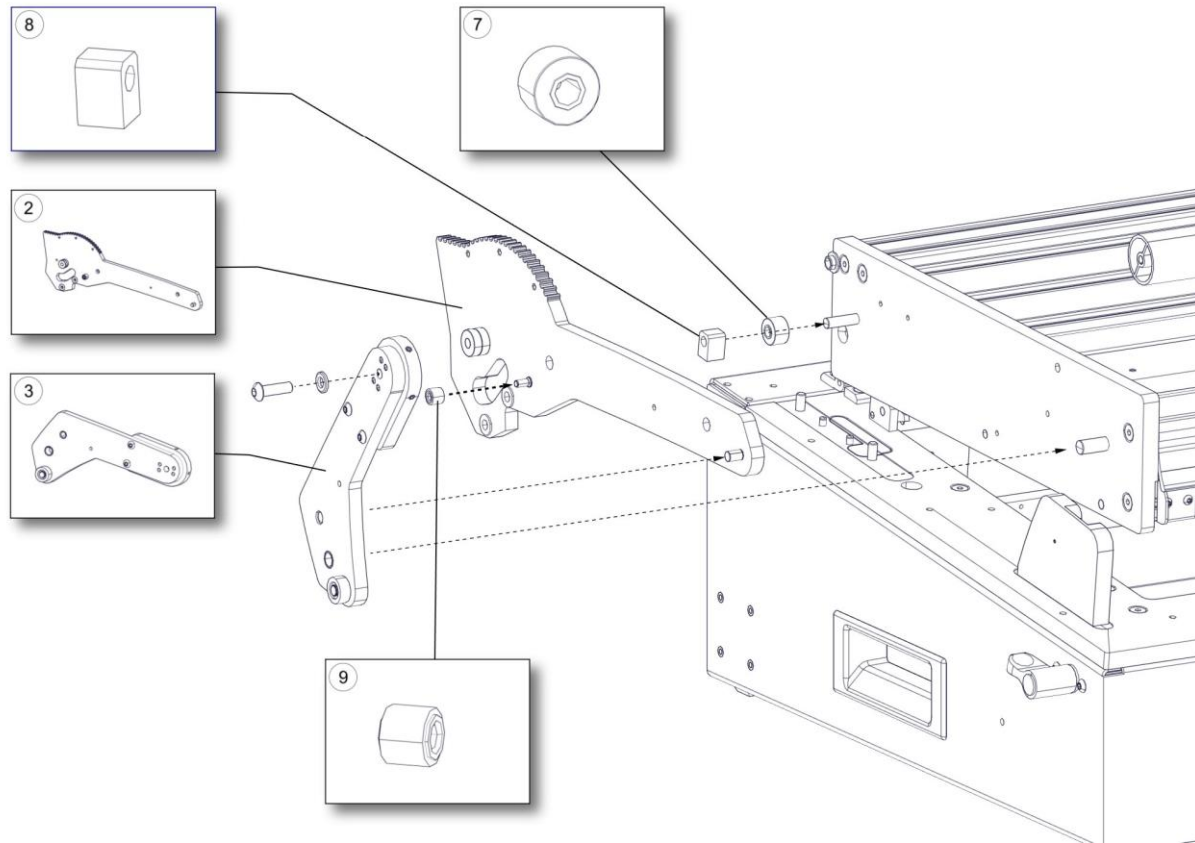
5)



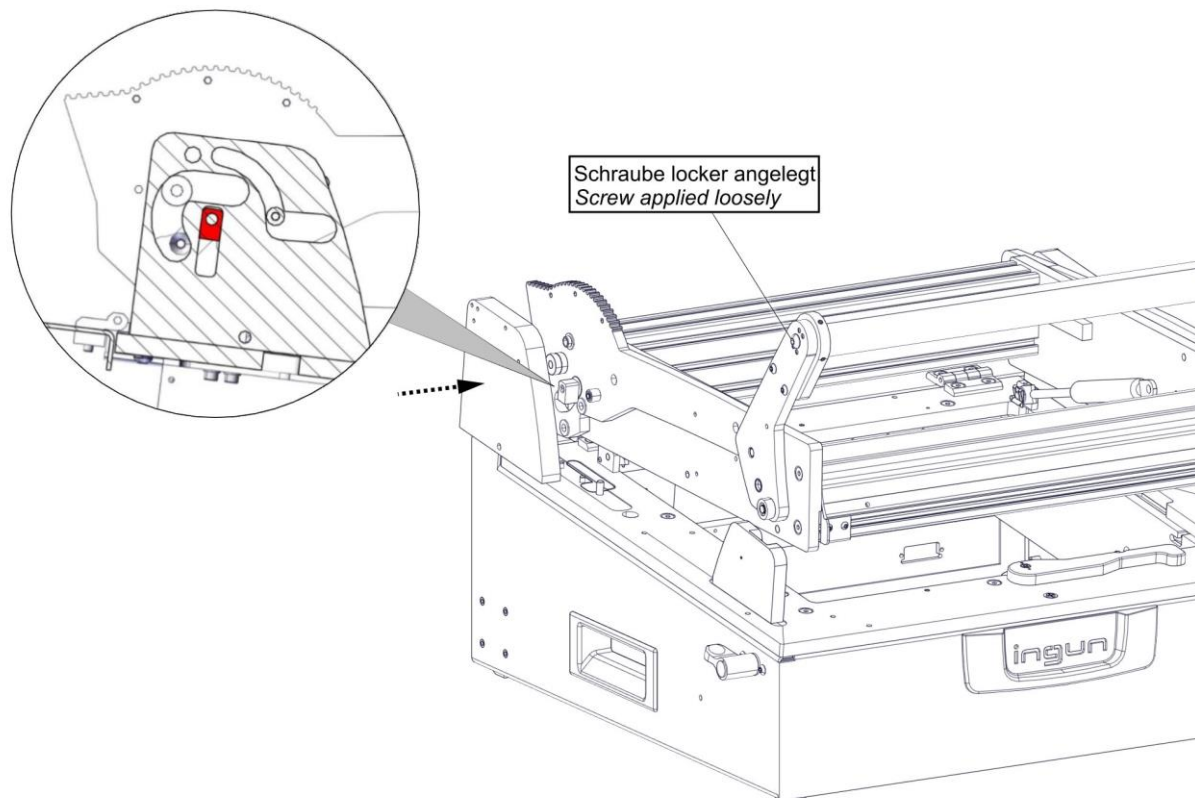
6)



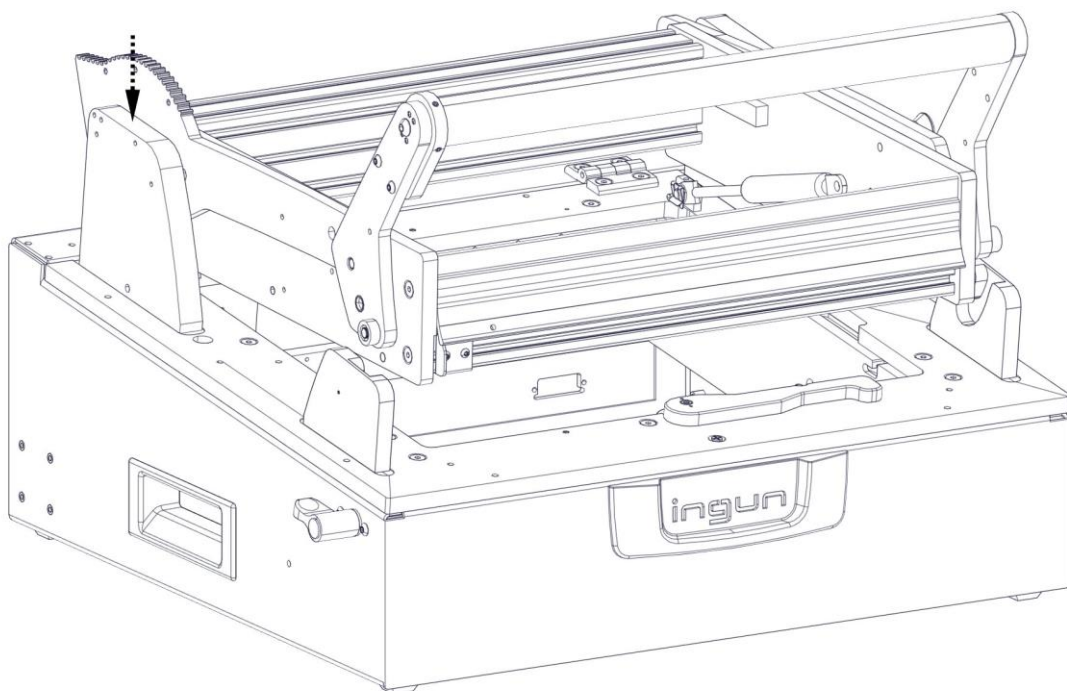
7)



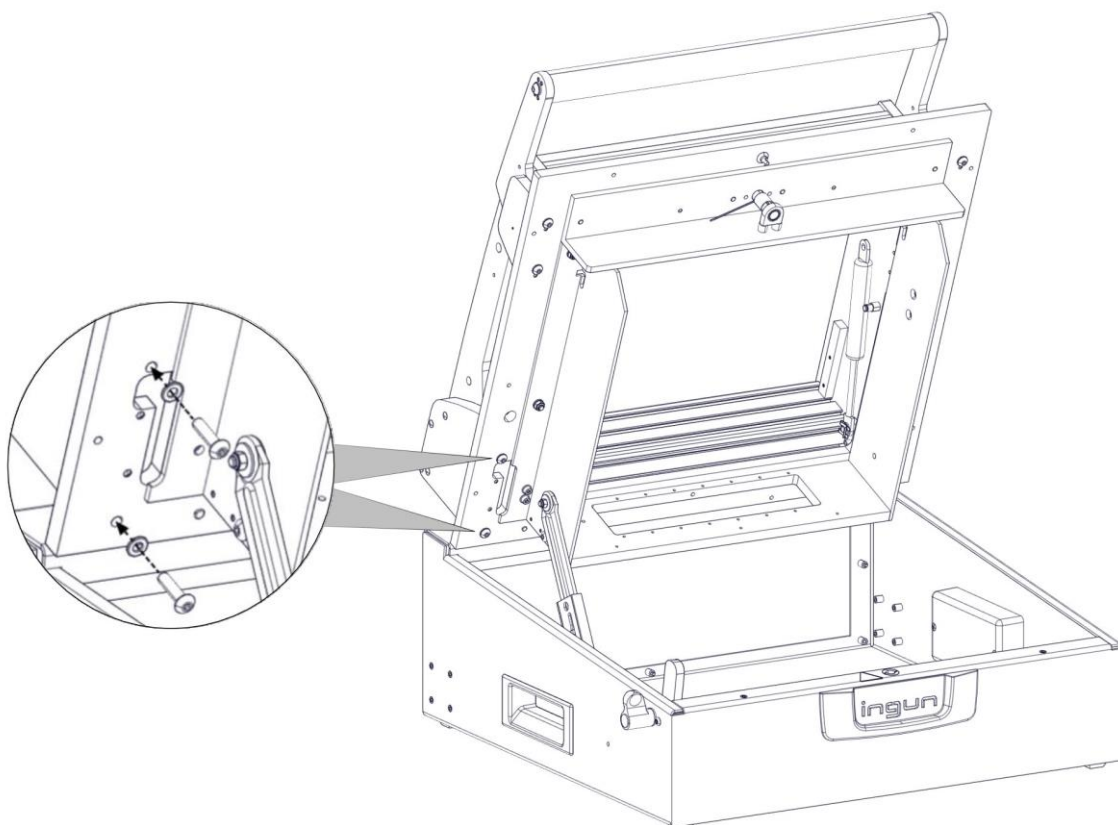
8)



9)

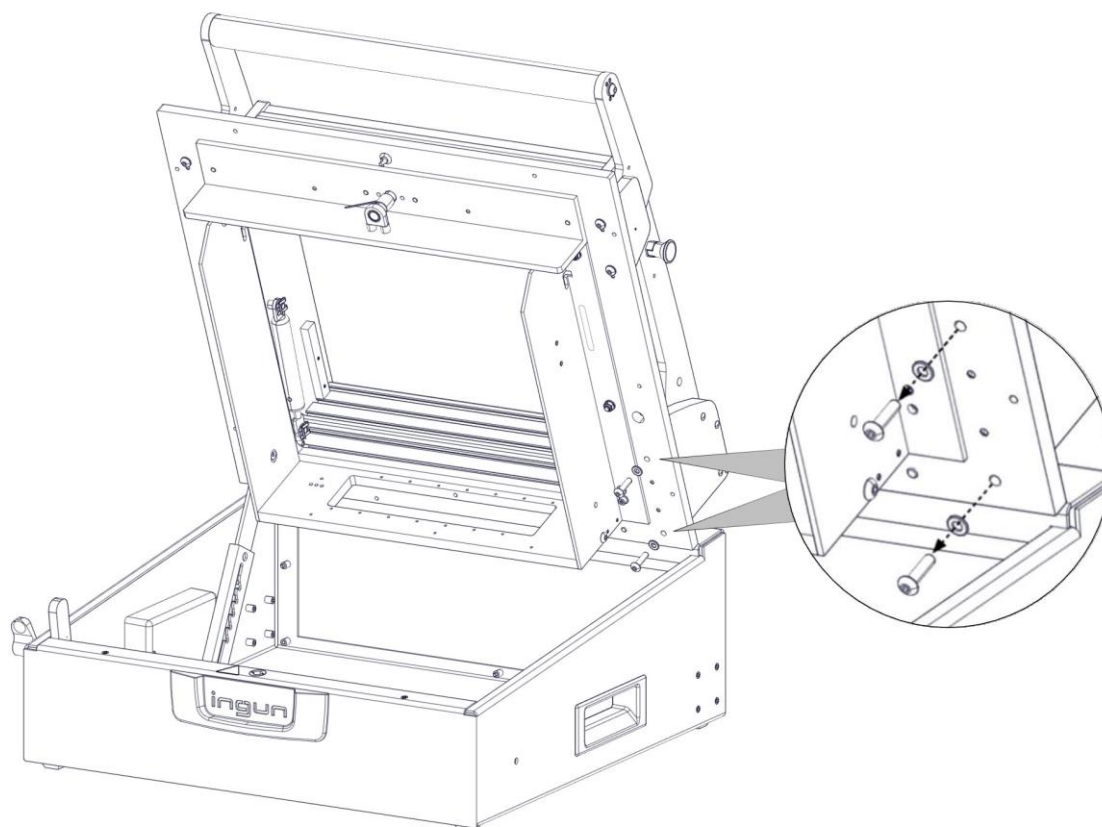


10)

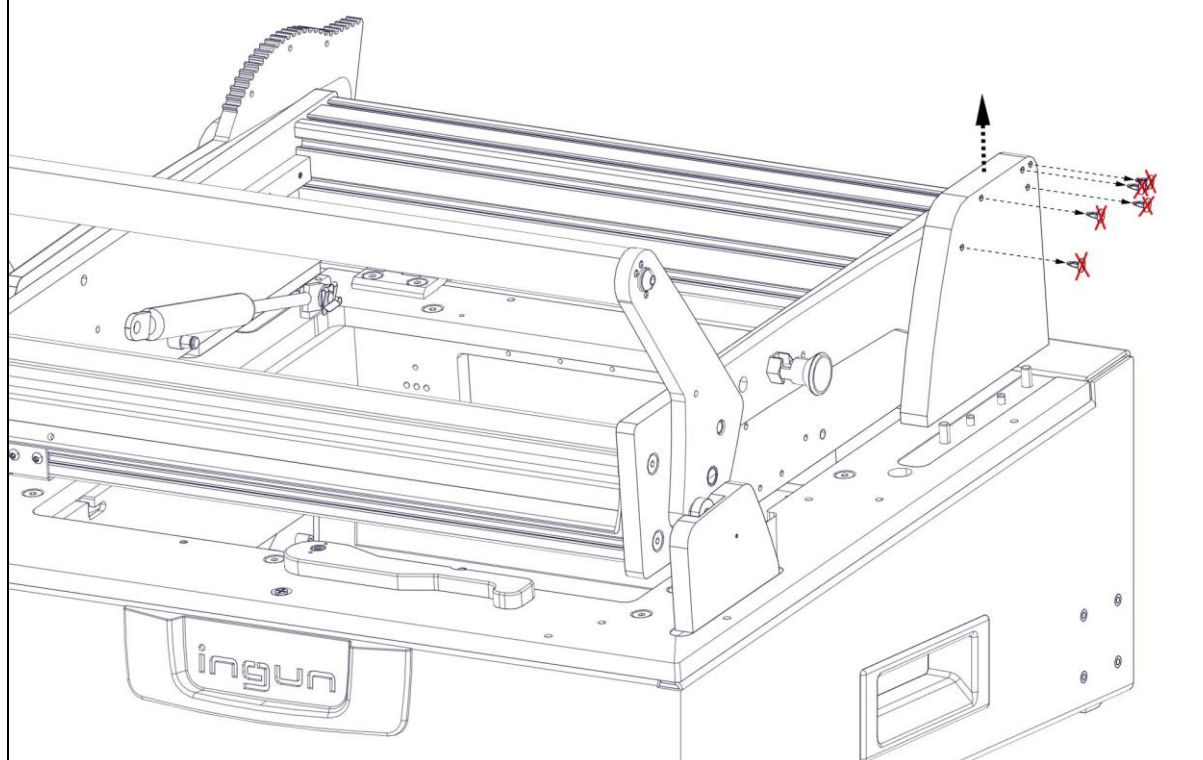




11)

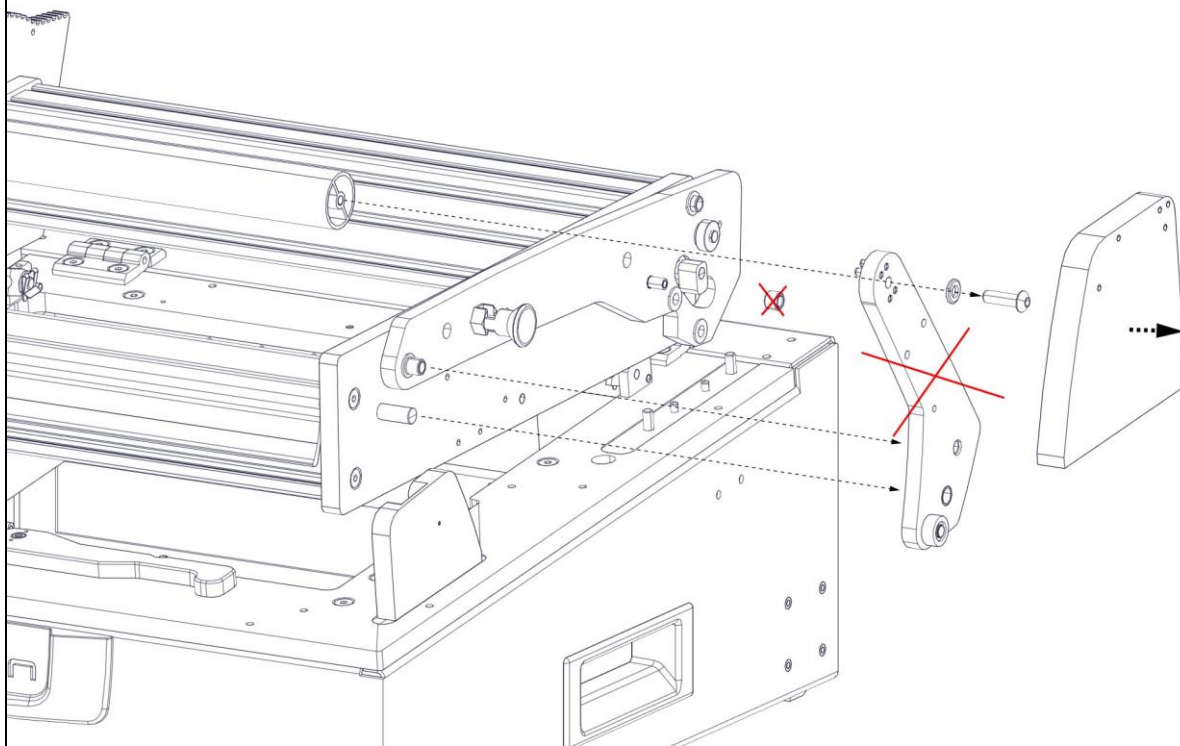


12)

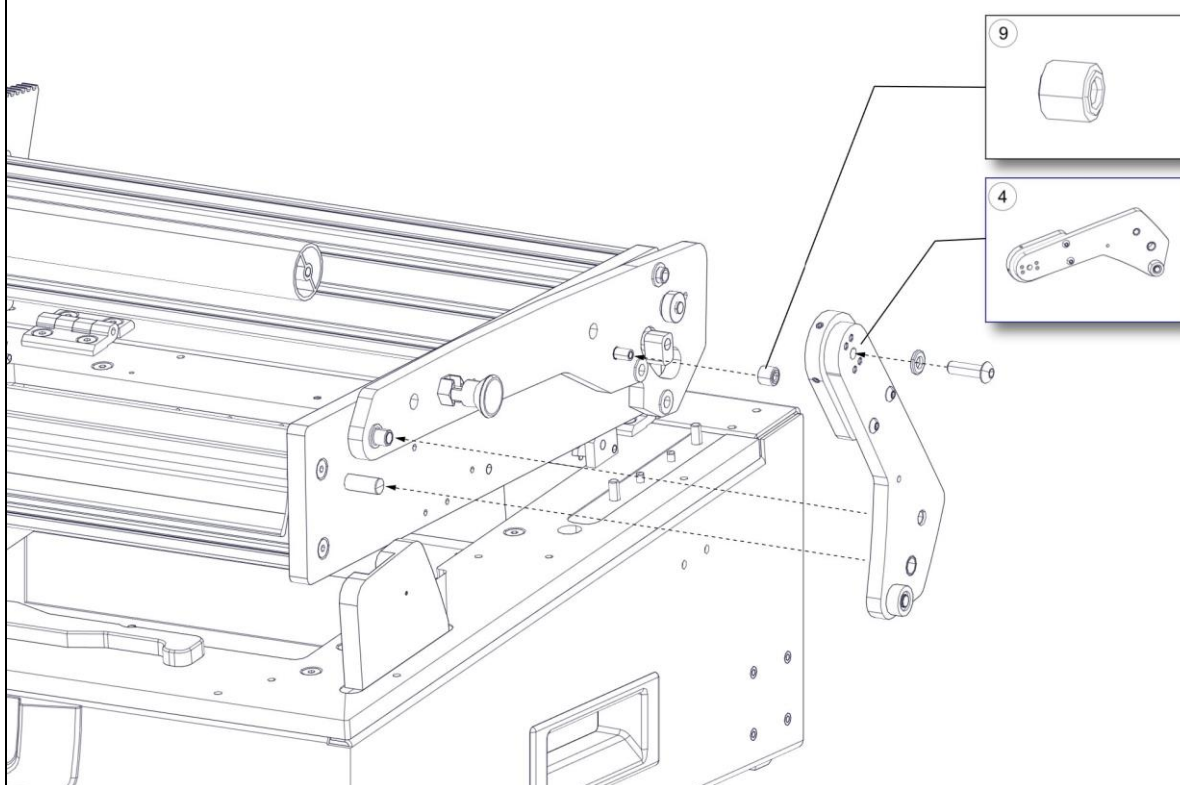




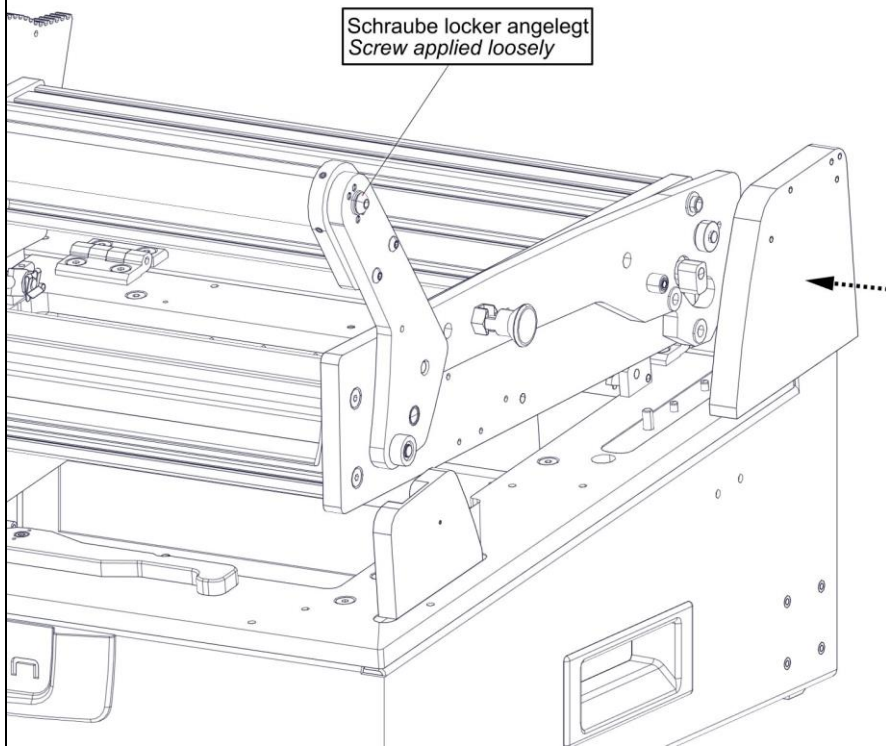
13)



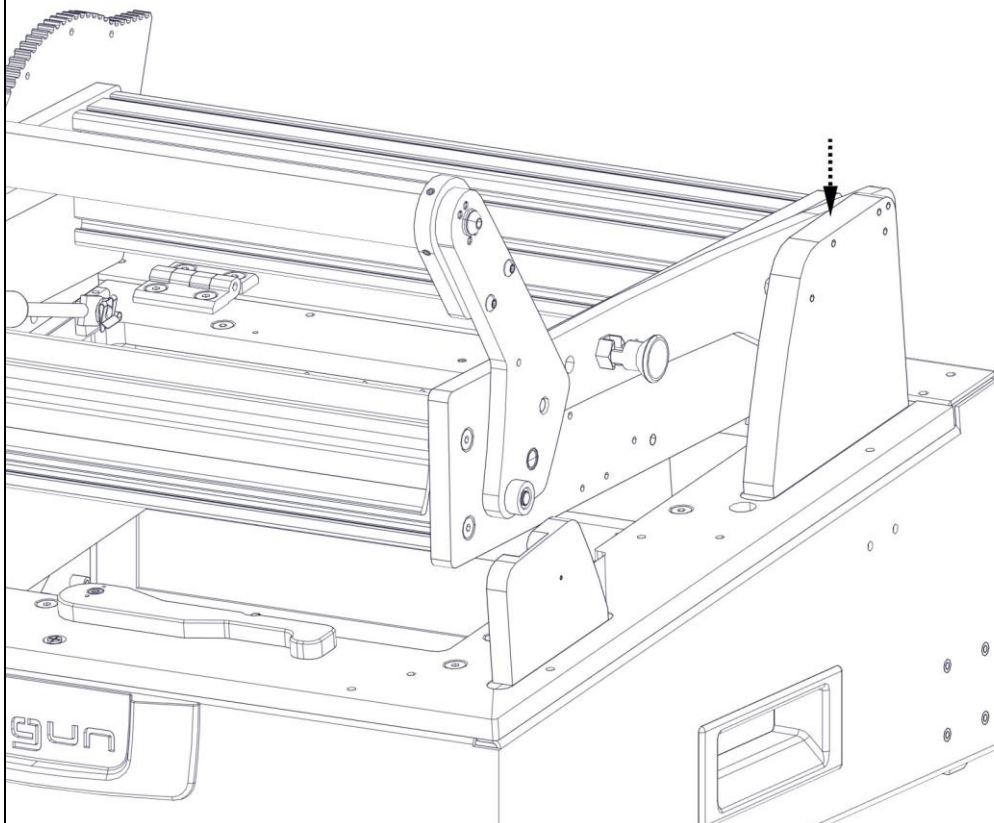
14)



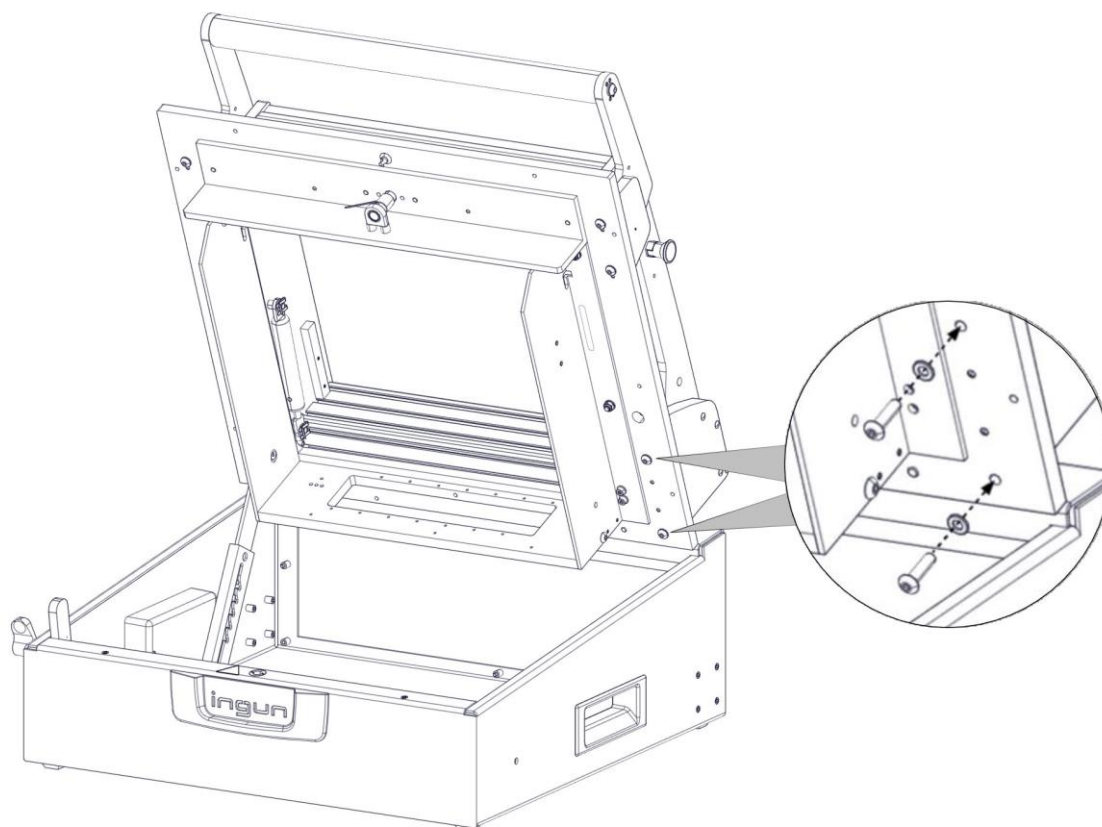
15)



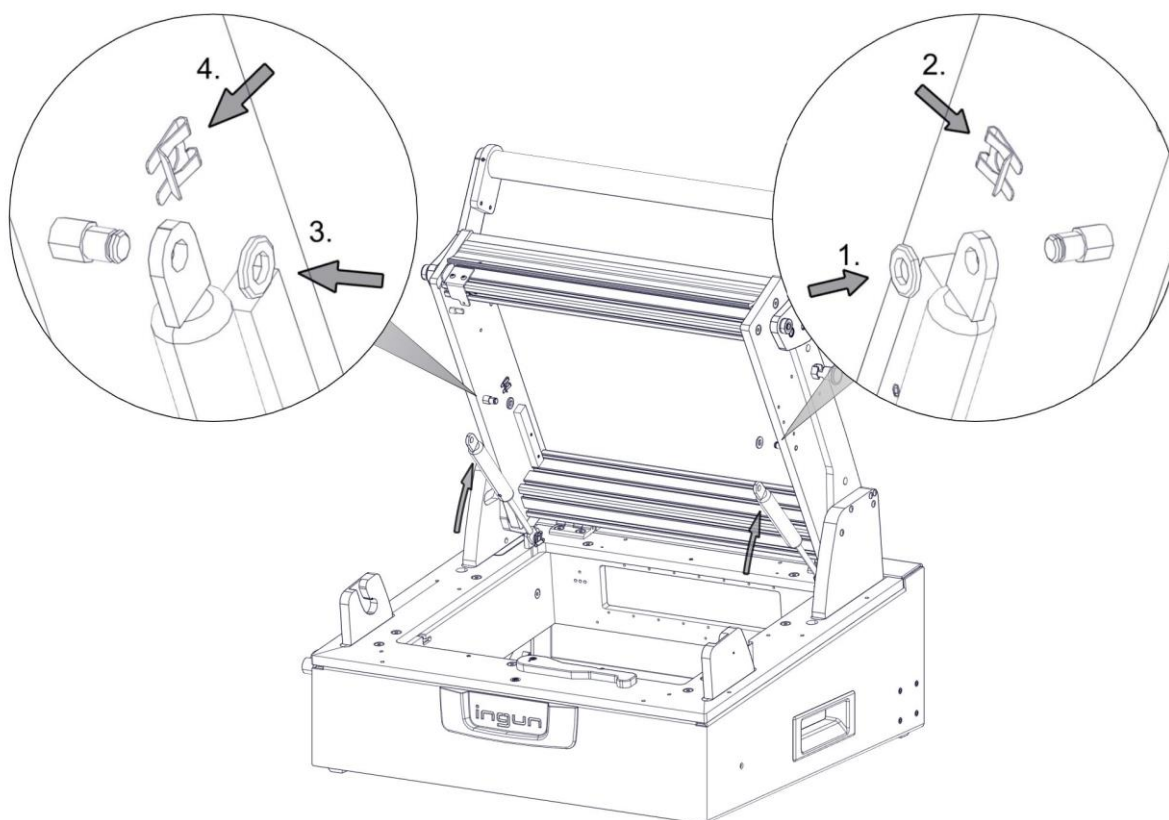
16)



17)

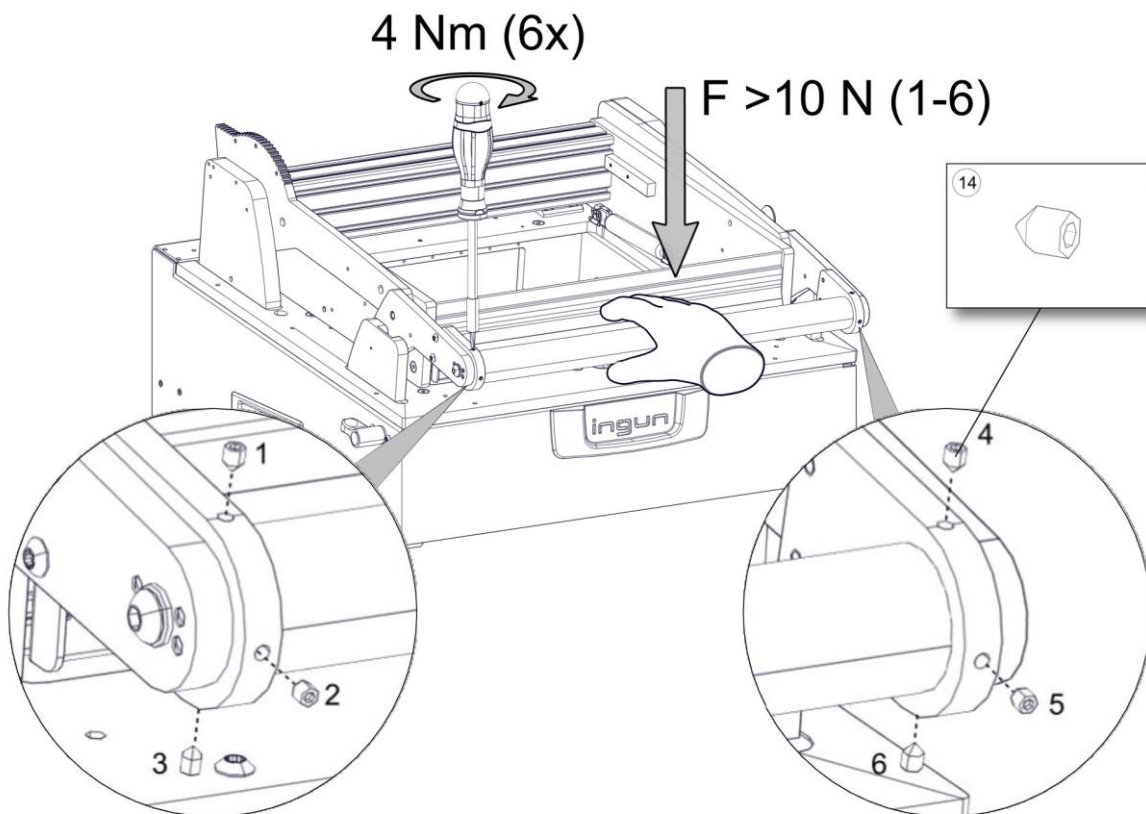


18)

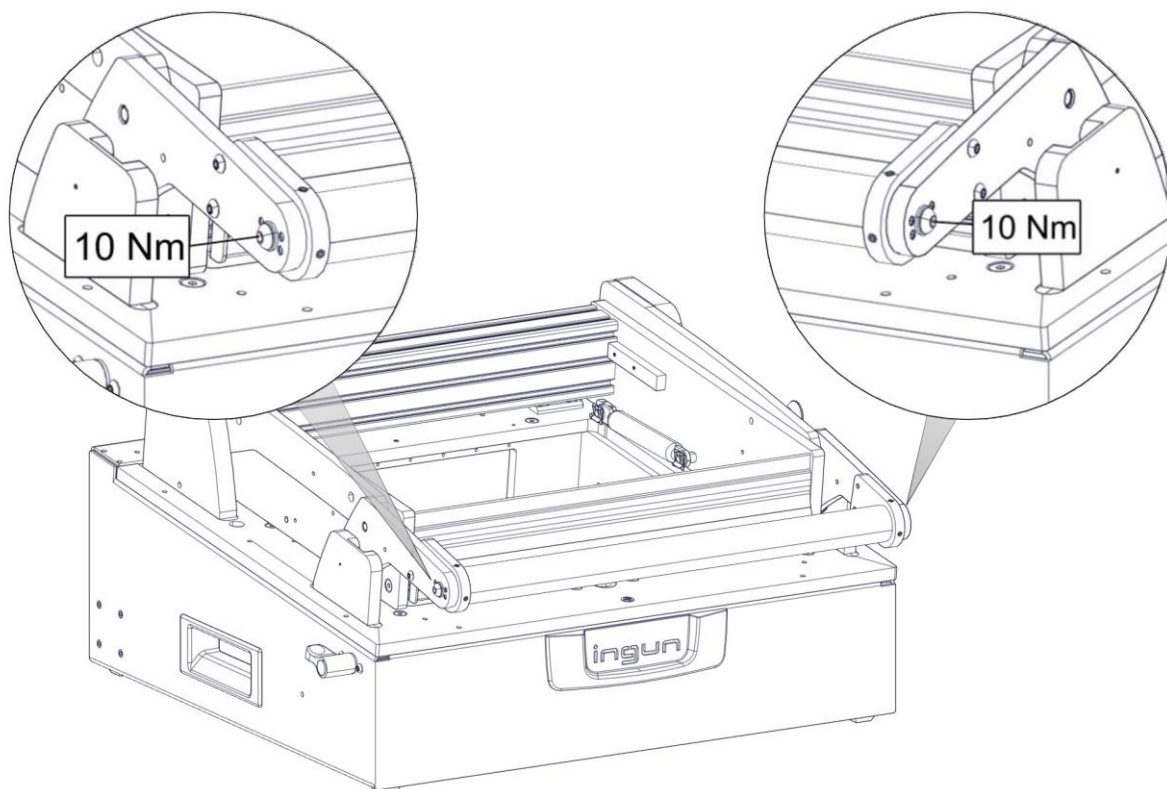




19)

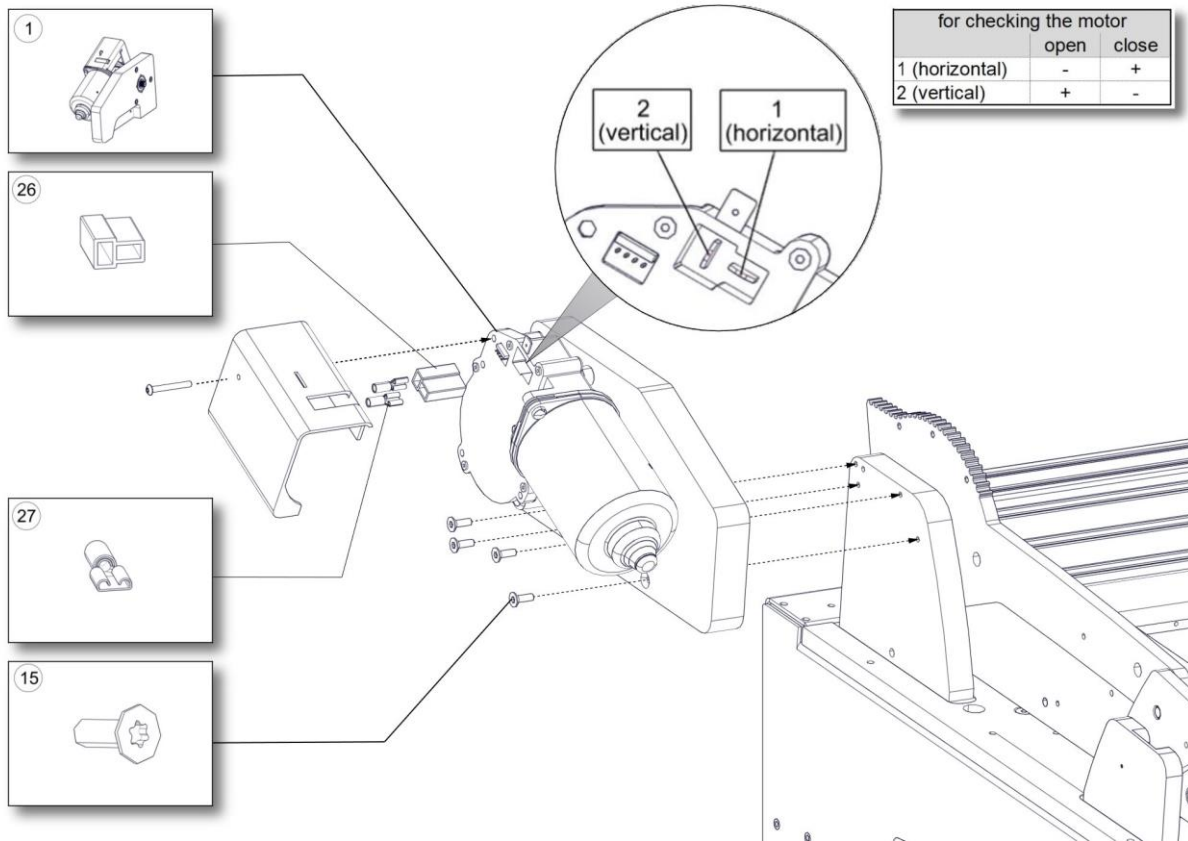


20)

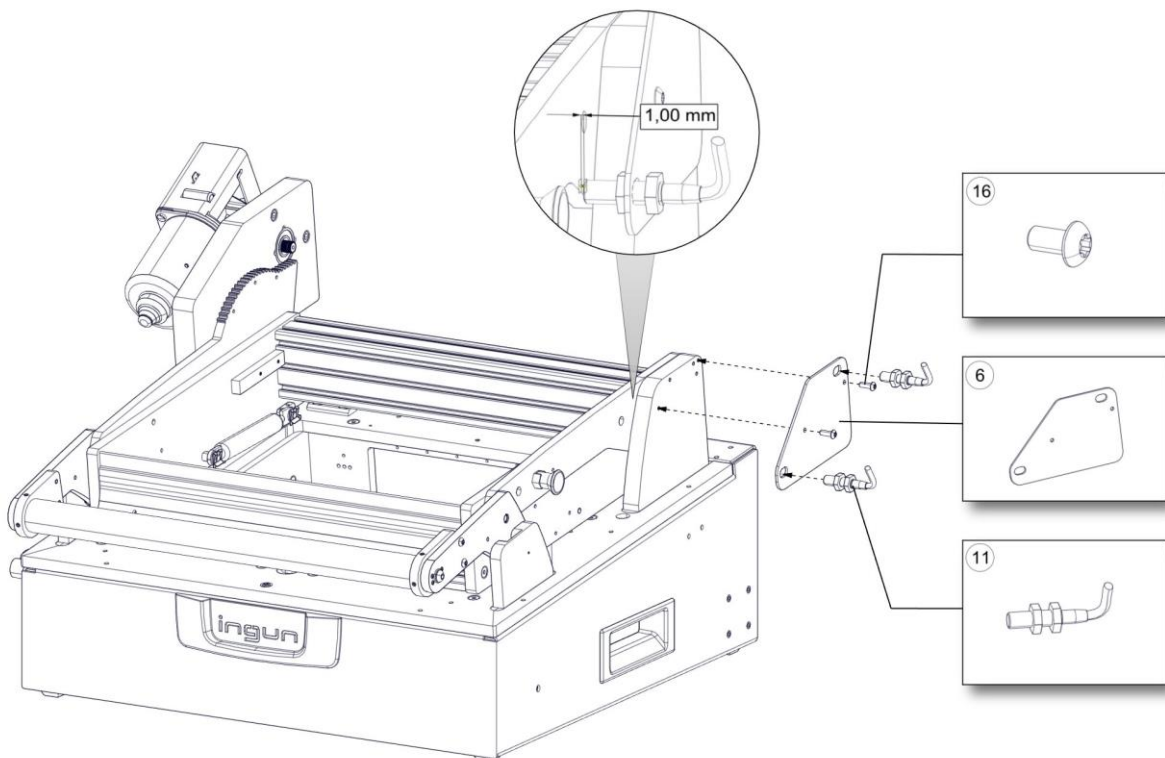




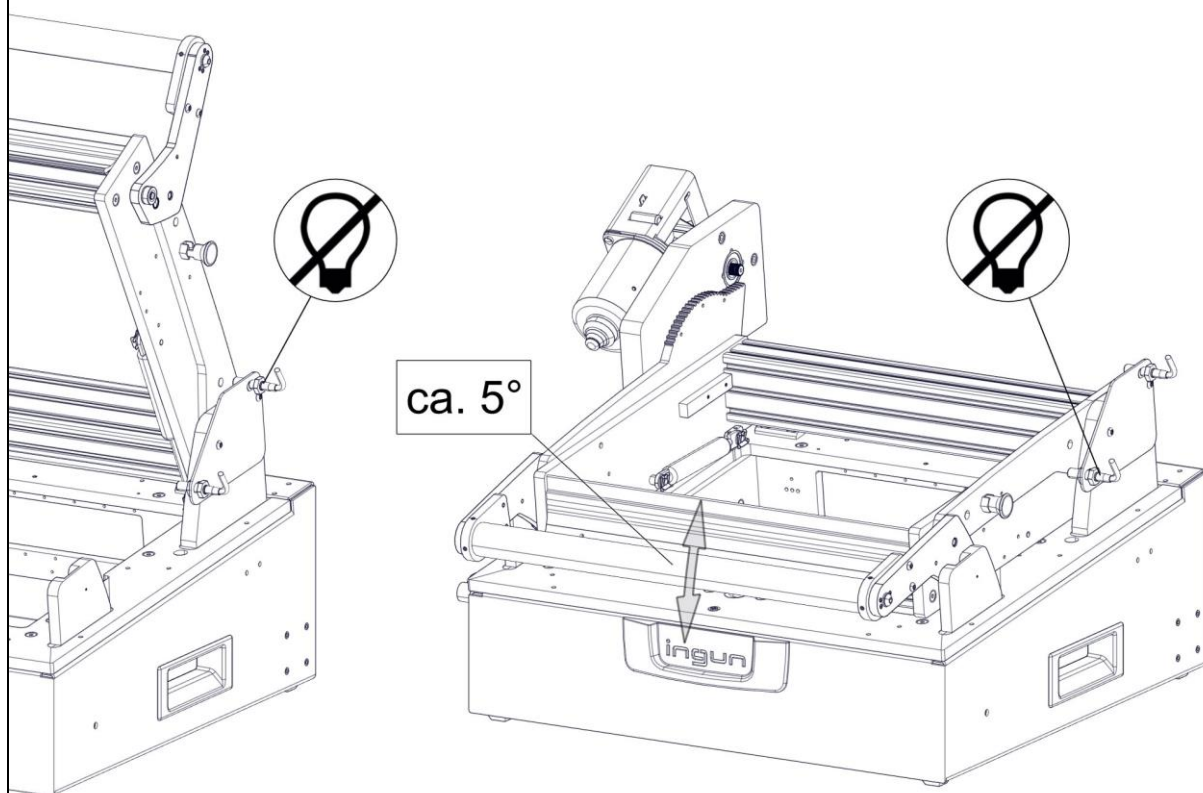
21)



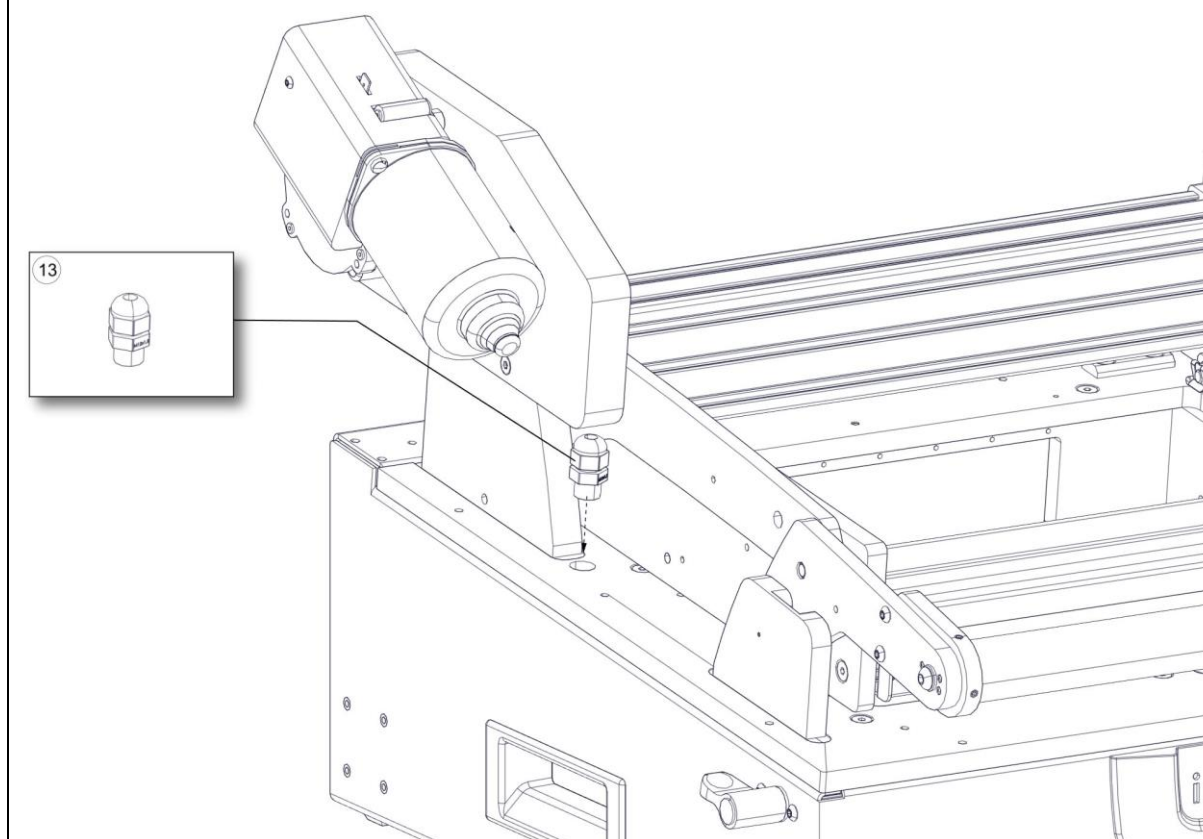
22)



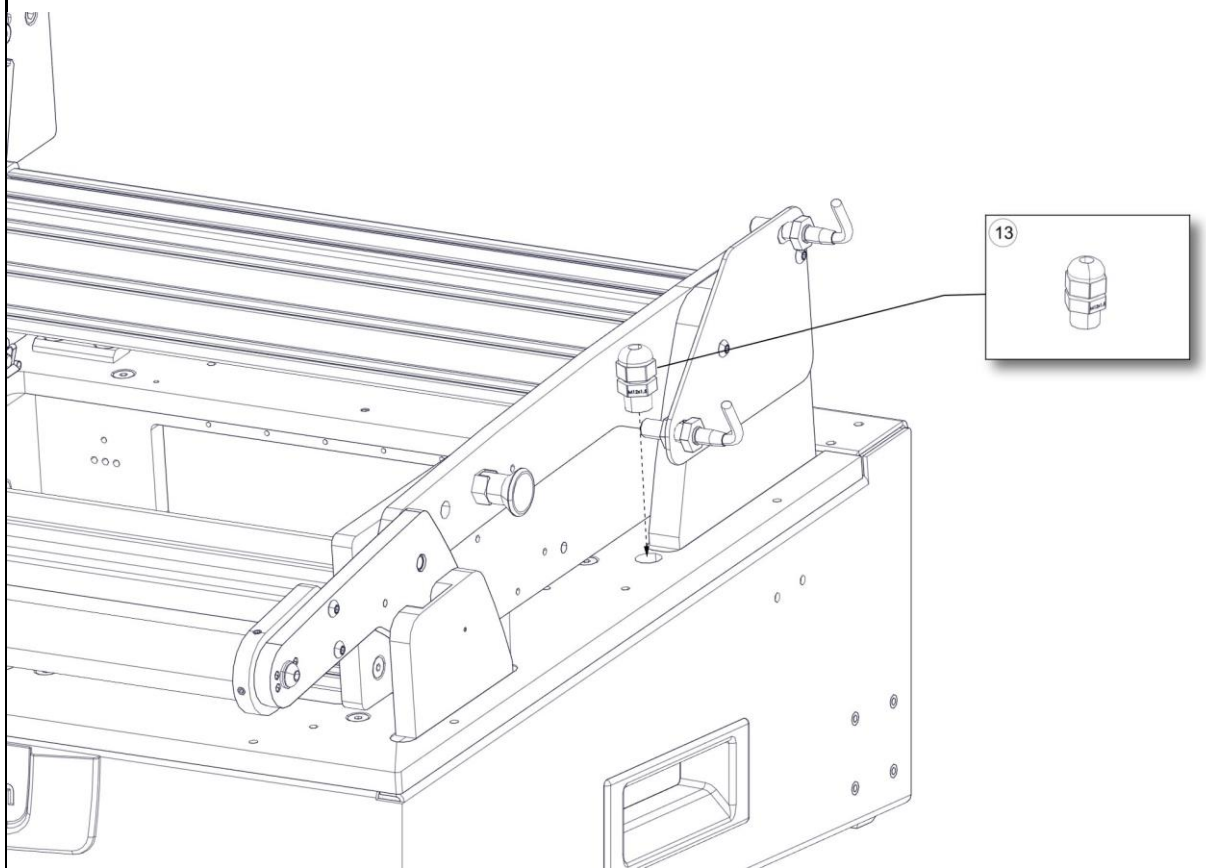
23)



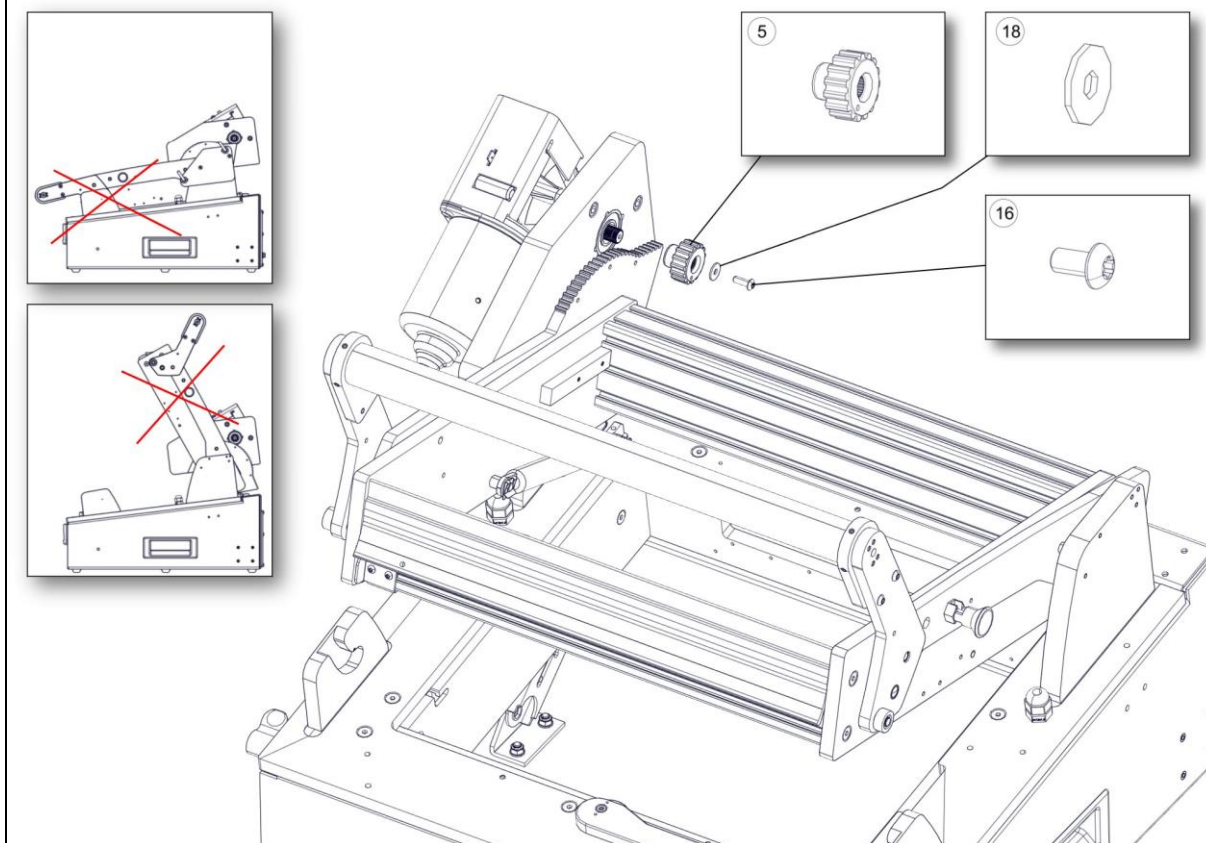
24)



25)

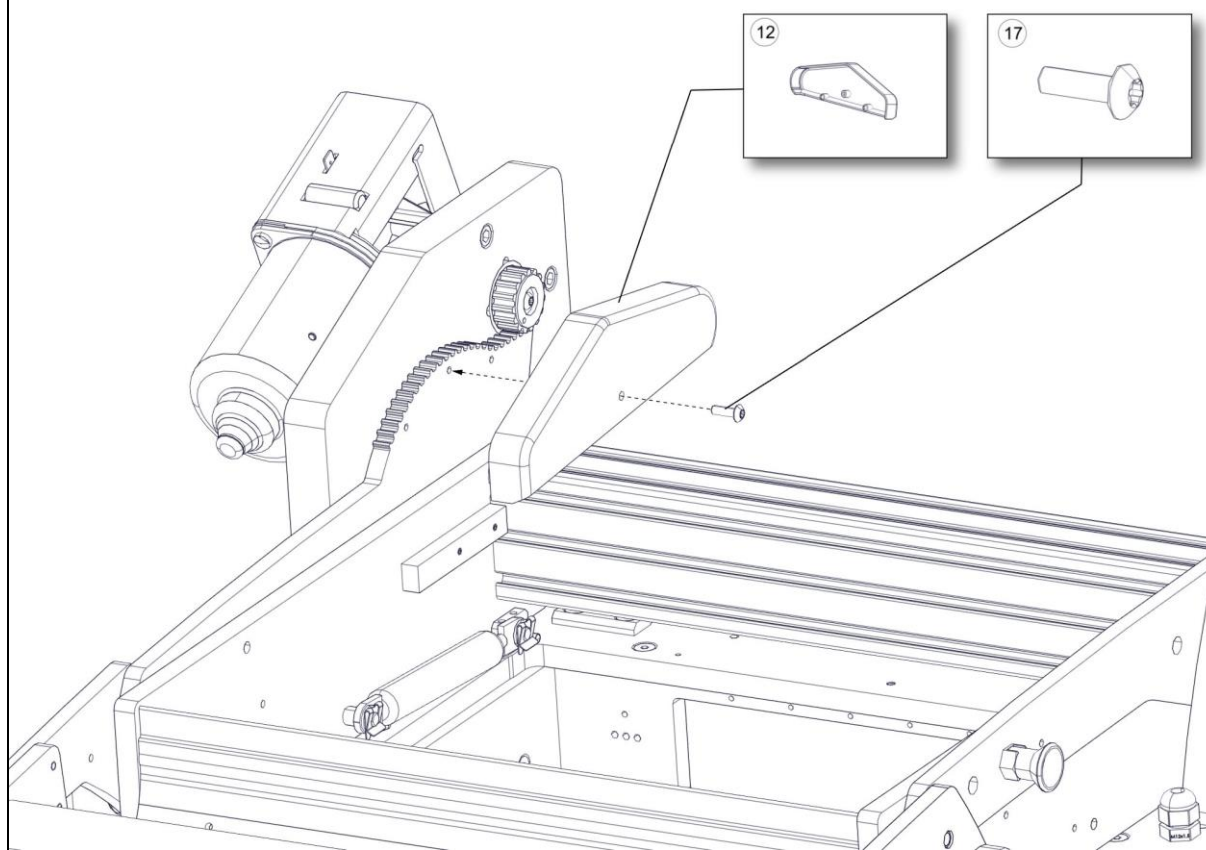


26)

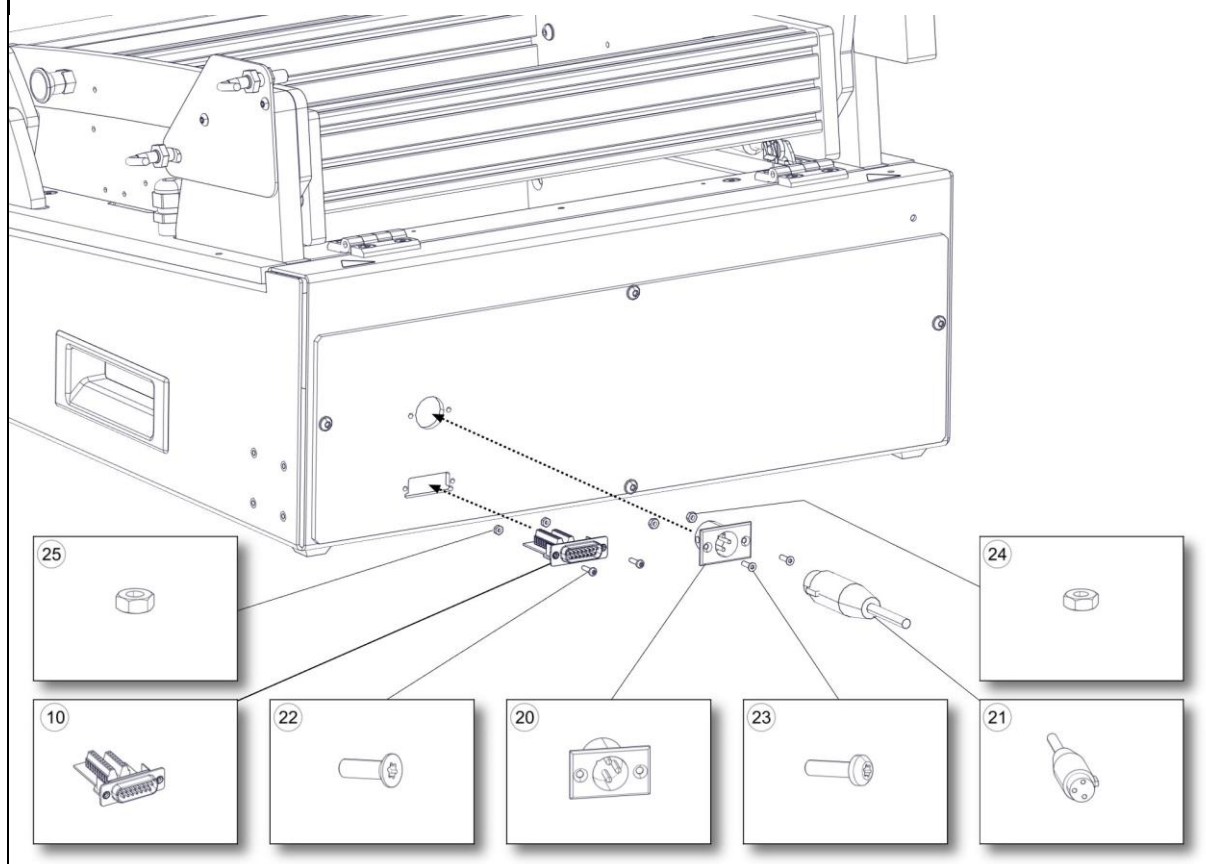




27)

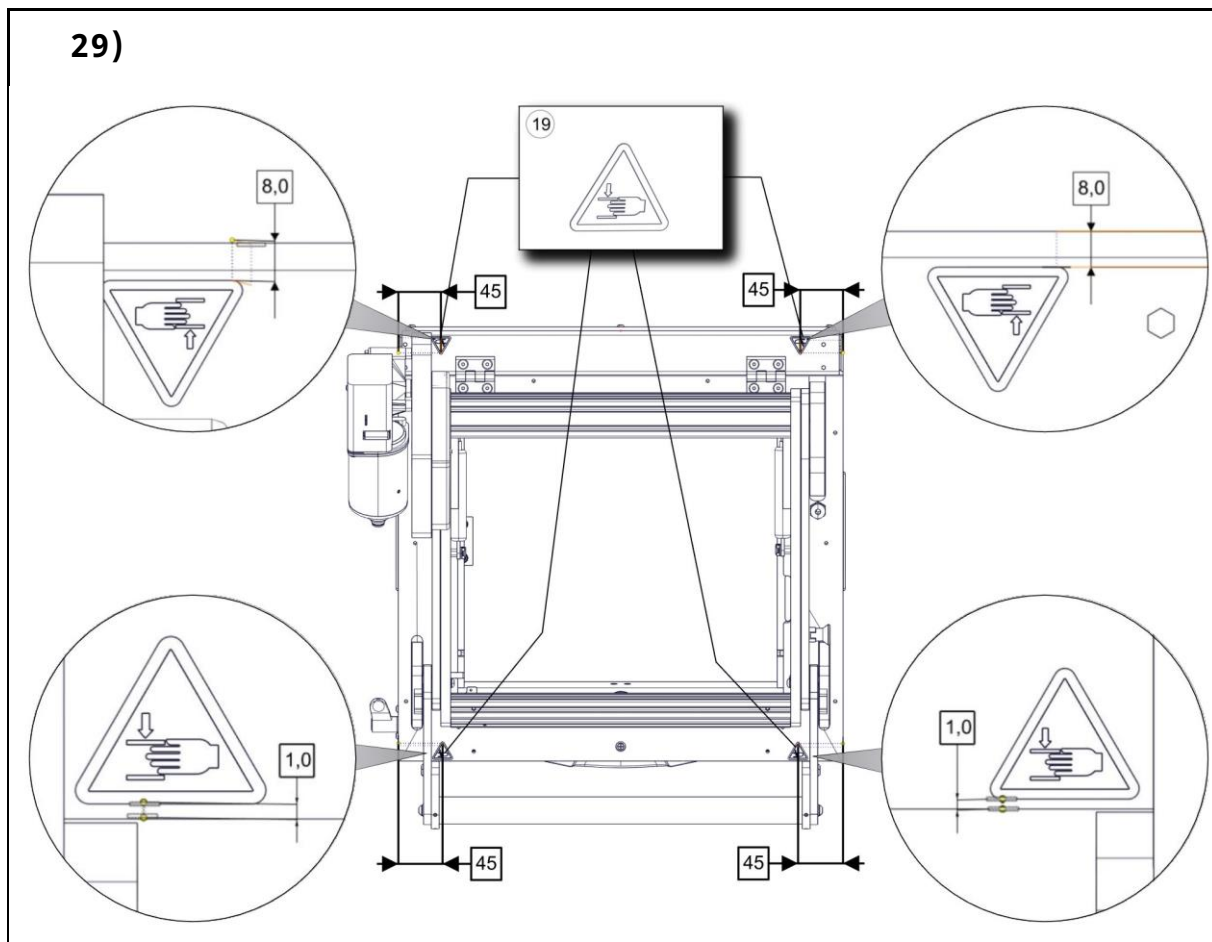


28)



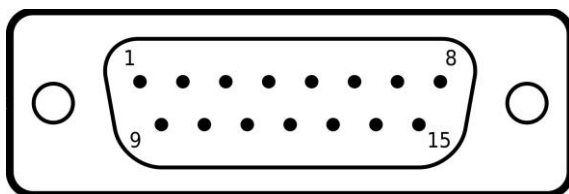


29)

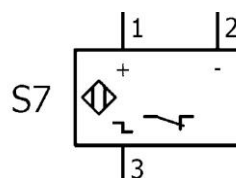


30)

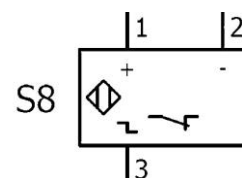
D-SUB 15 pol.



Endschalter zu /  
*Limit switch closed*

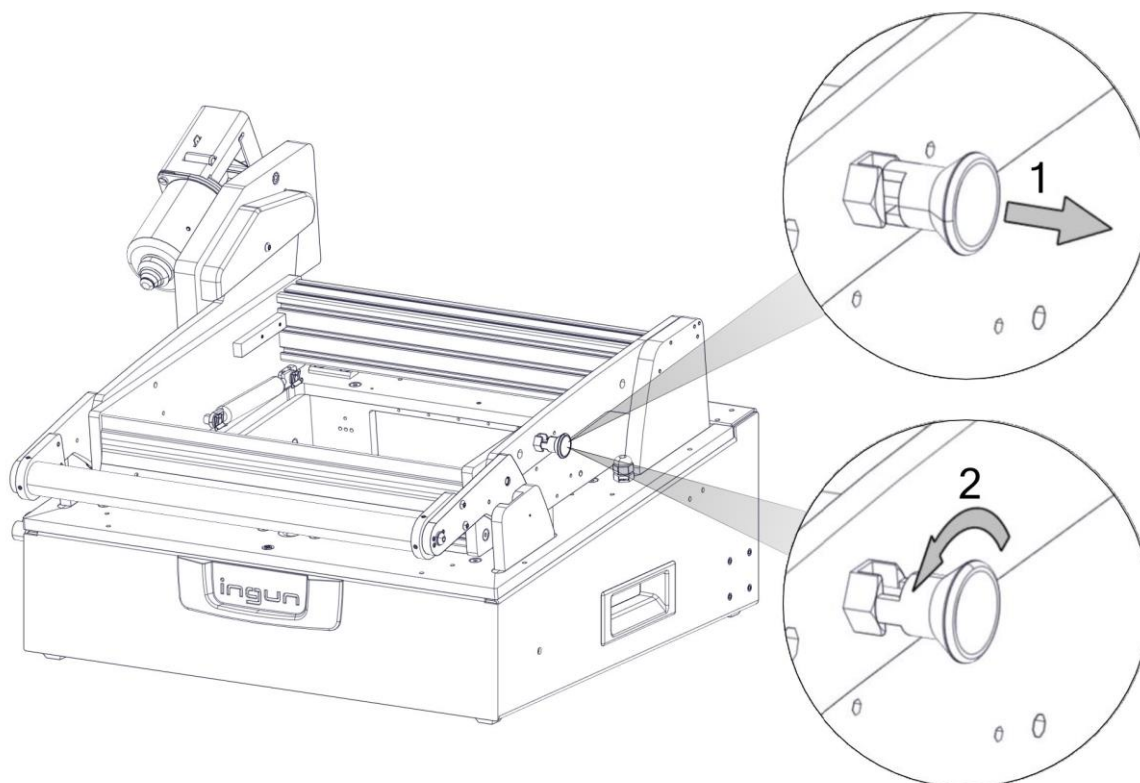


Endschalter auf /  
*Limit switch open*



|             |      |
|-------------|------|
| D-SUB-Pin 1 | S7-1 |
| D-SUB-Pin 2 | S8-1 |
| D-SUB-Pin 3 | S7-2 |
| D-SUB-Pin 4 | S8-2 |
| D-SUB-Pin 5 | S7-3 |
| D-SUB-Pin 6 | S8-3 |

31)



**ACHTUNG:** Mögliche Beschädigung des Antriebszahnrades!

Bei verriegelter Antriebssperre wird das Antriebszahnrad durch das hohe Anlaufmoment des Motors beschädigt.

⇒ Vor Betätigung der Öffnungs-/Schließautomatik muss die Antriebsverriegelung entriegelt werden!

**CAUTION:** Possible damage to the drive gear wheel!

When the drive lock is locked, the drive gearwheel will be damaged by the high starting torque of the motor.

⇒ The drive lock must be unlocked before operating the automatic opener/closer!



