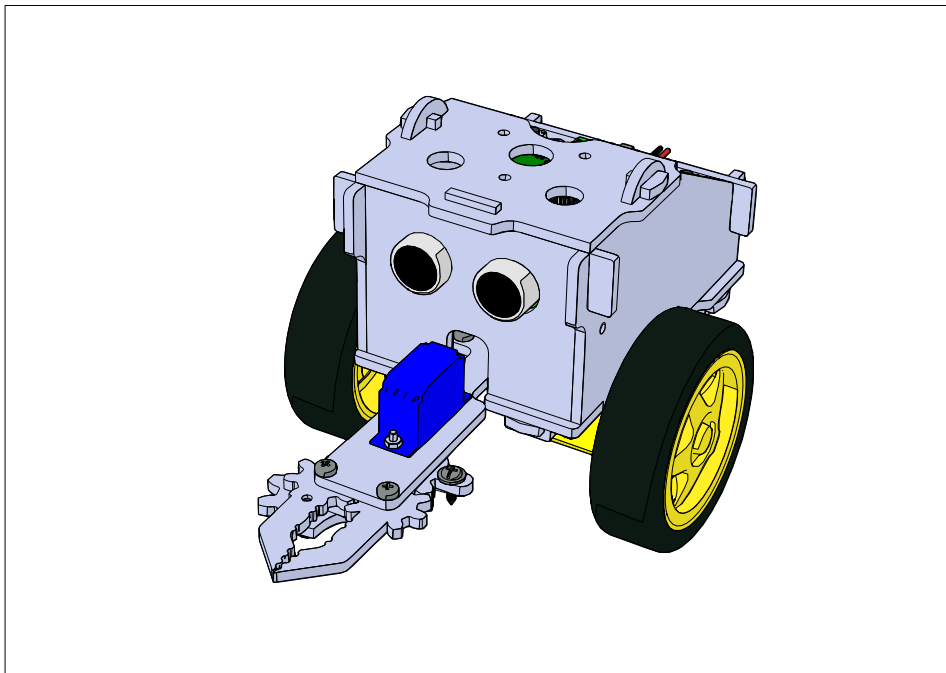




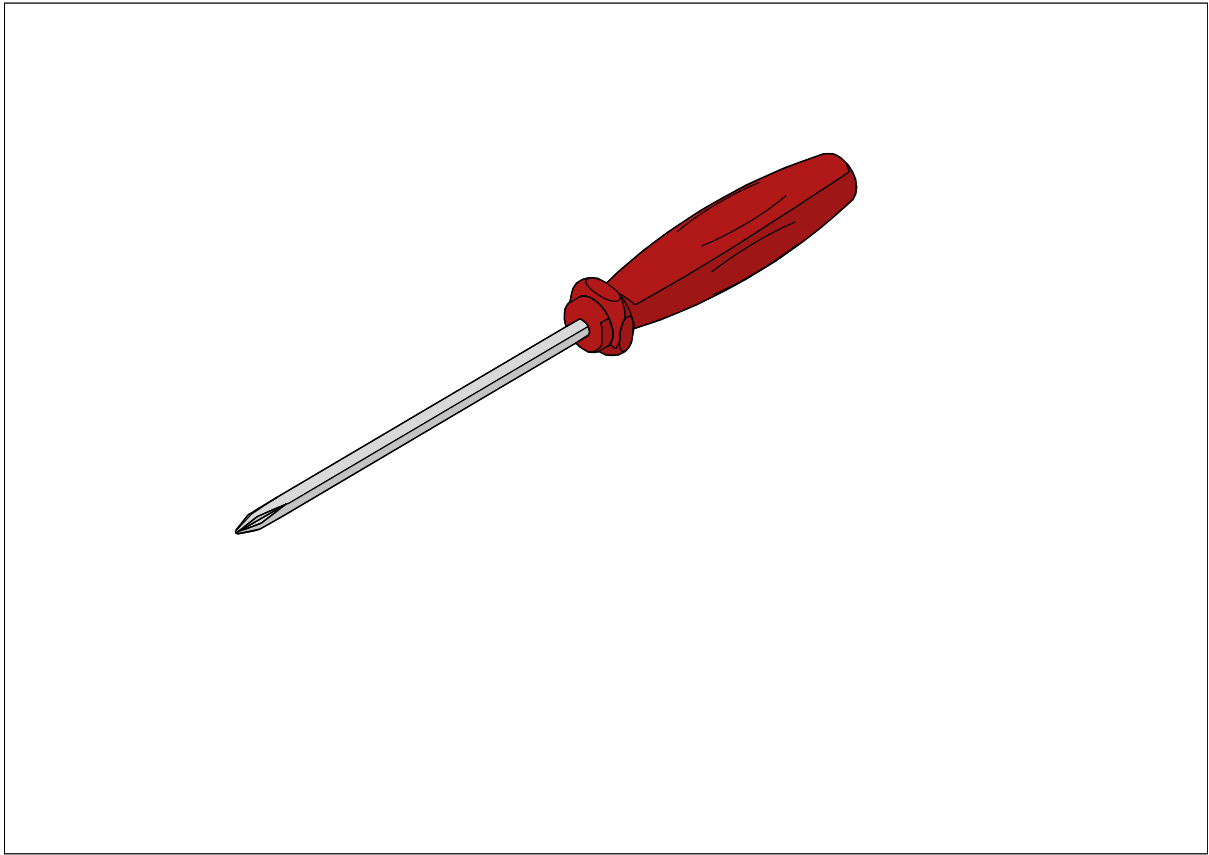
## MiiGripper Assembly Instructions

### Revision C

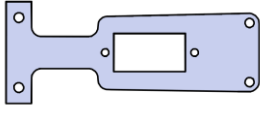

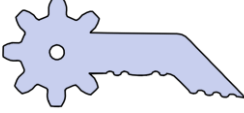
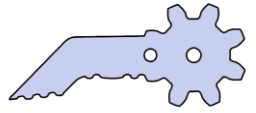
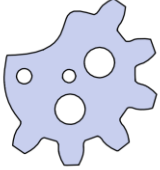
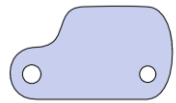
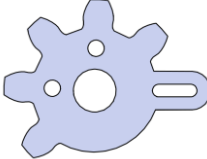
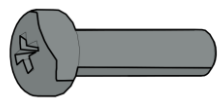
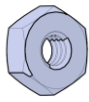


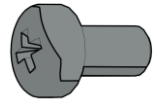


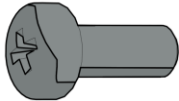
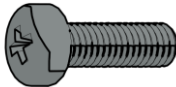
These instructions will take you through everything you need to know on how to assemble your MiiGripper extension and fit it onto your MiiA.bit robot. The MiiGripper extension is built in the form of a 3D puzzle, so the fun begins immediately. The extension uses the existing servo motor from your MiiA.bit pack, meaning your MiiA.bit is already fully compatible and ready to be upgraded with this new part!

## Required Tools: Phillips screwdriver

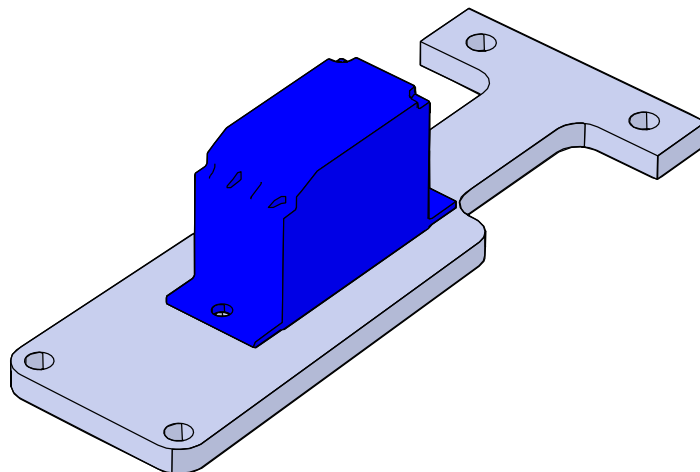
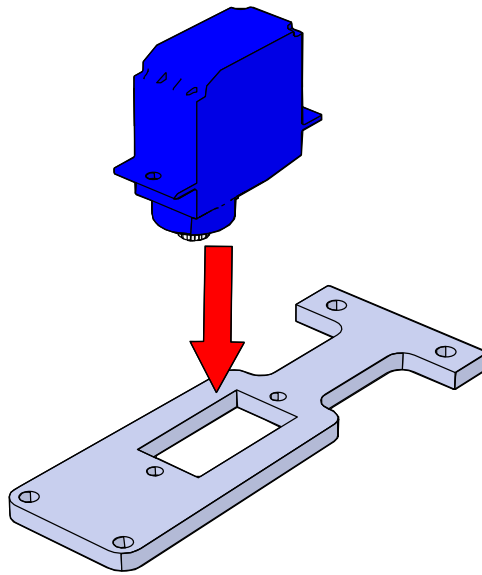


# MiiGripper pack contents

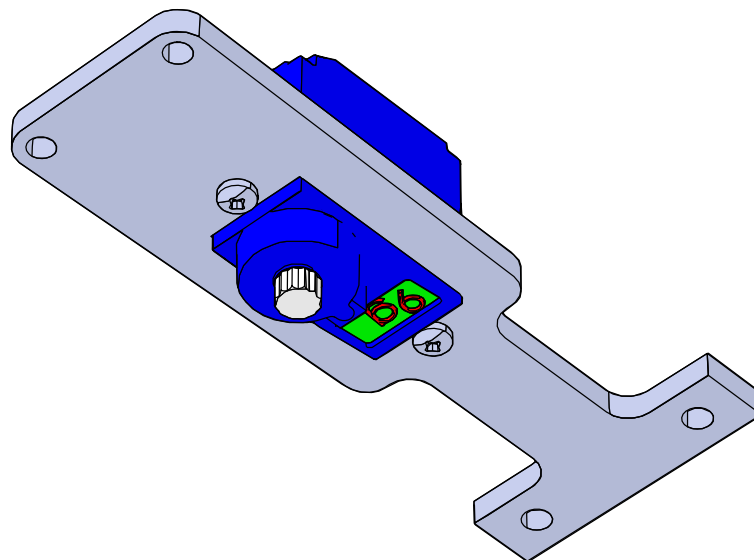
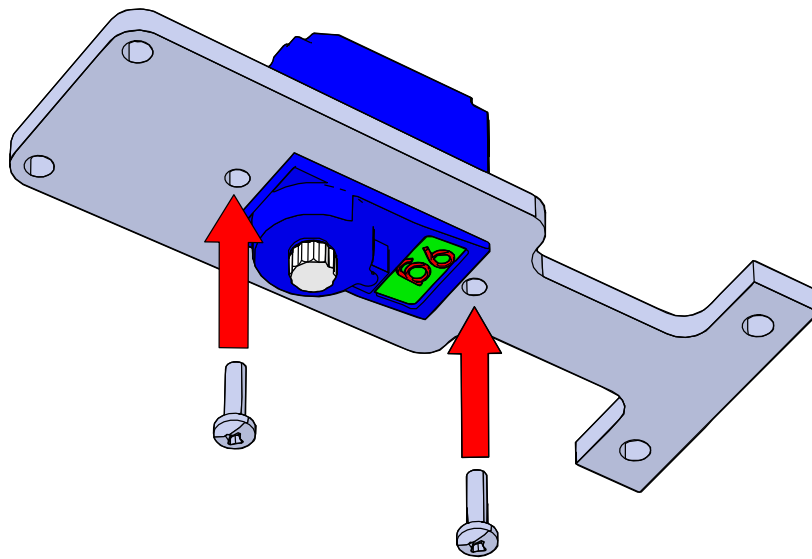
Part number (Code)	Quantity	Part image	Part number (Code)	Quantity	Part image
Servo base (G1)	1		Driver gear two (G2)	1	
Left gripper arm (G3)	1		Right gripper arm (G4)	1	
Driving gear (G5)	1		Base plate (G6)	1	
Driver gear one (G7)	1		M3x12mm bolt (F1)	1	
M2 nut (S3)	2		M2x10mm bolt (S5)	2	
M3 nut (F4)	2		M3x6mm bolt (F5)	2	

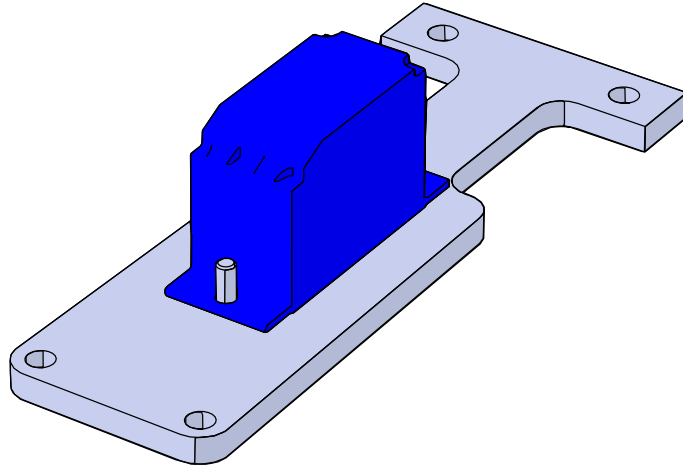
M3x8mm bolt (F6)	2		M3x10mm bolt (S6)	2	
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- Servo base (G1)
- Servo motor (C5)

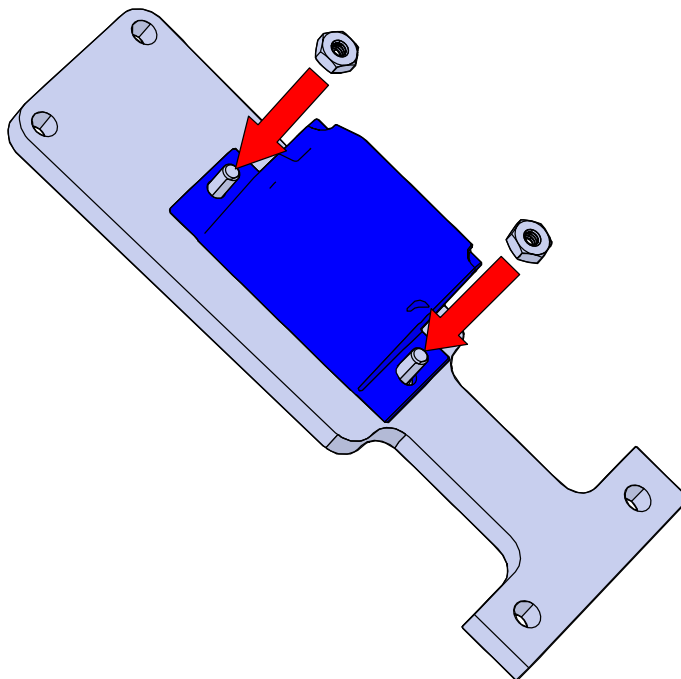


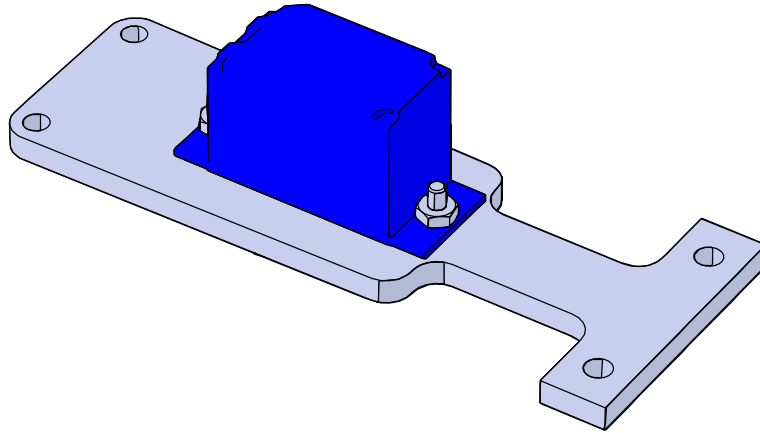
- M2x10mm bolt (S5)



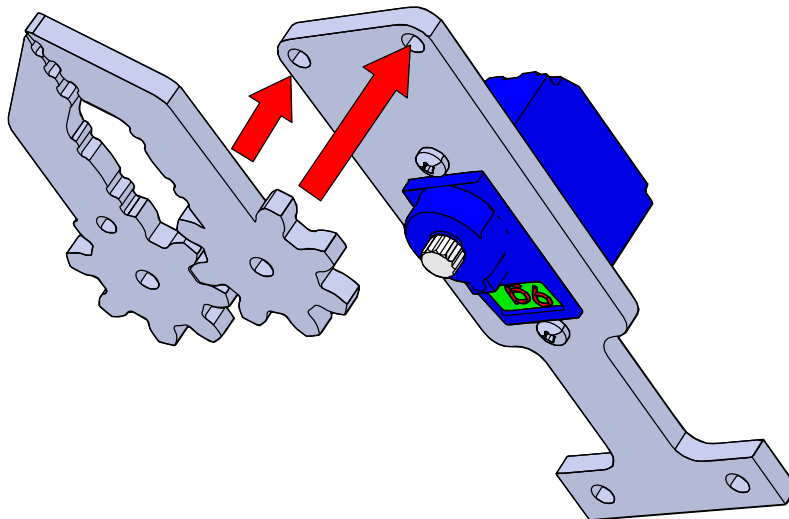


- M2 nut (S3)

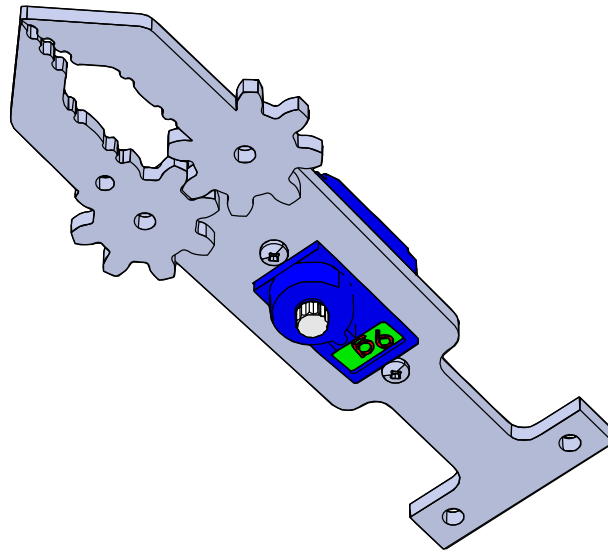




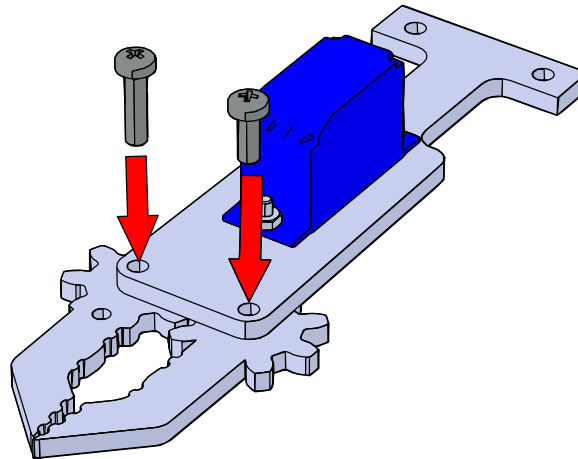
- Right gripper arm (G4)
- Left gripper arm (G3)



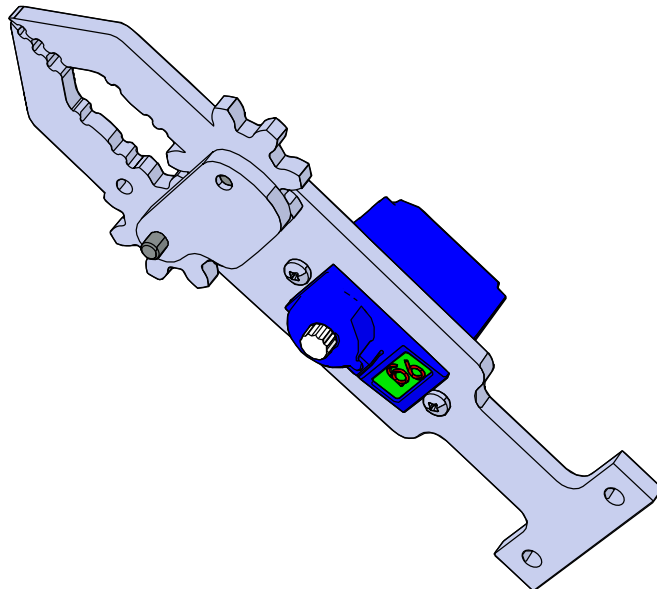
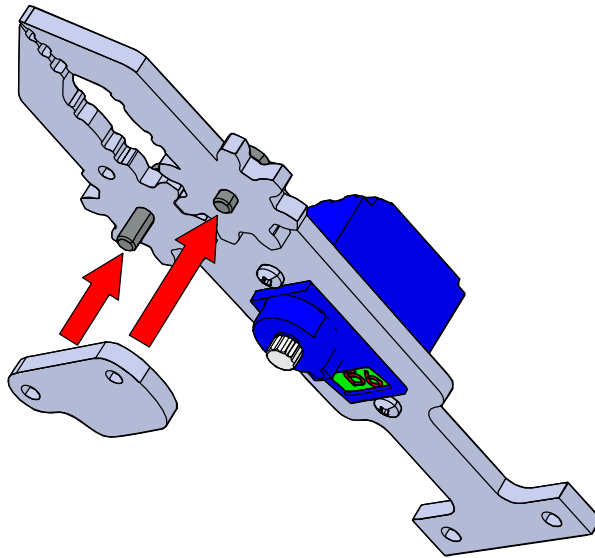




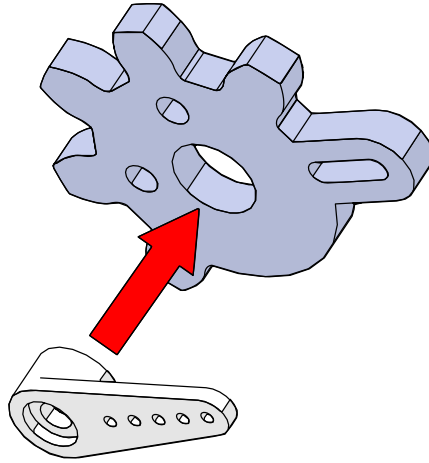
- M3x12mm bolt (F1)
- M3x8mm bolt (F6)



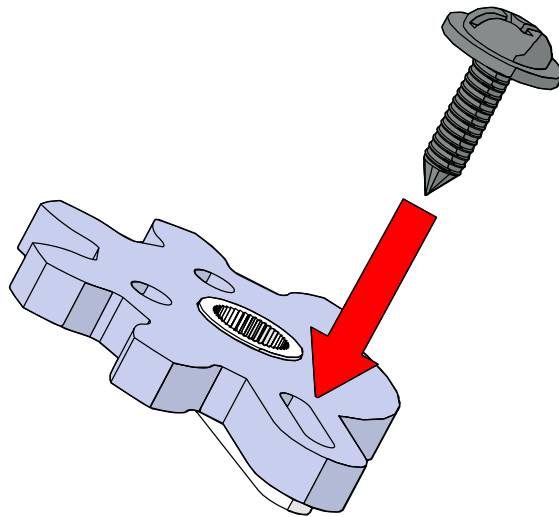
- Base plate (G6)



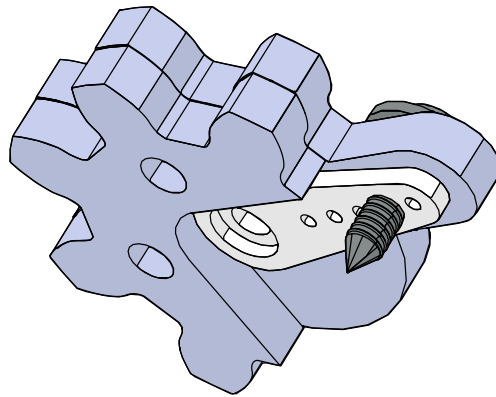
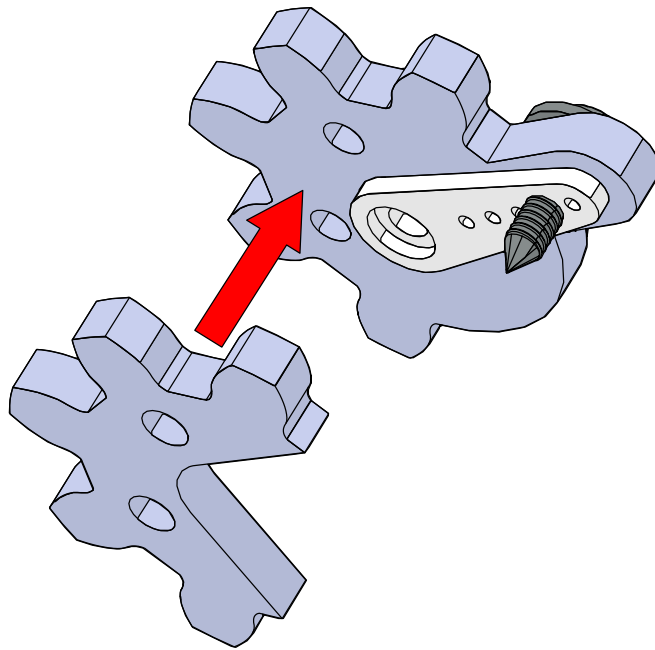
- Servo horn(C9)
- Driver gear one (G7)



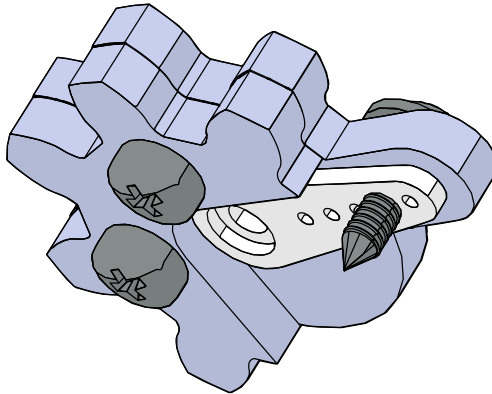
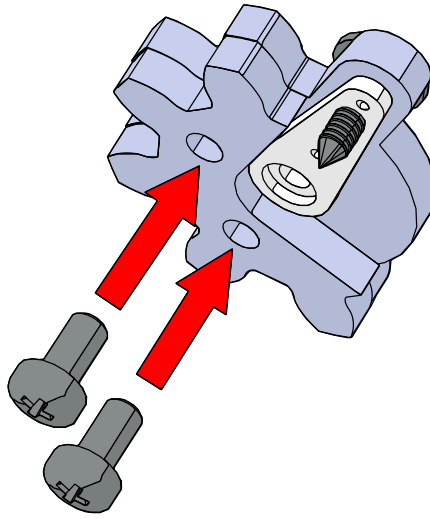
- Servo washer screw (S2)



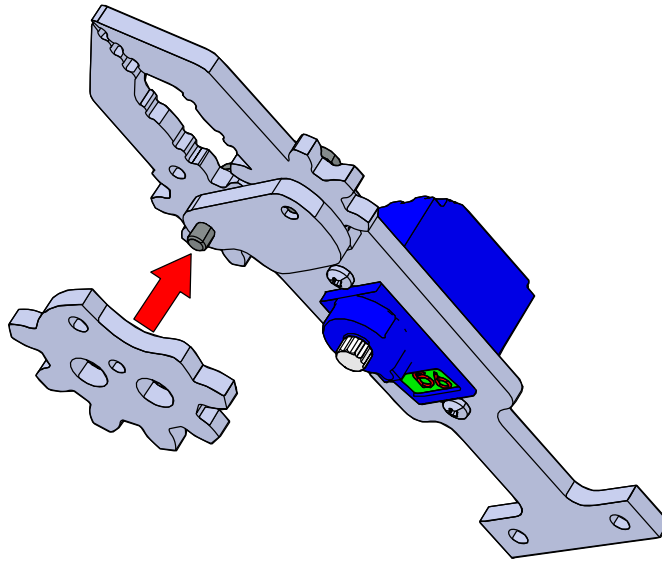
- Driver gear two (G2)



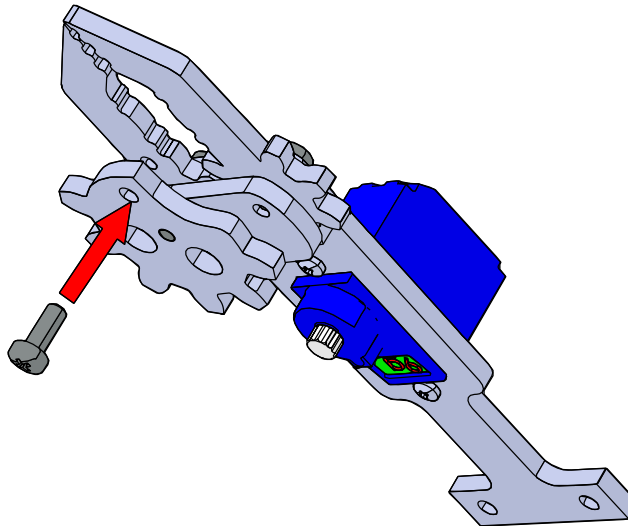
- M3x6mm bolt (F5)

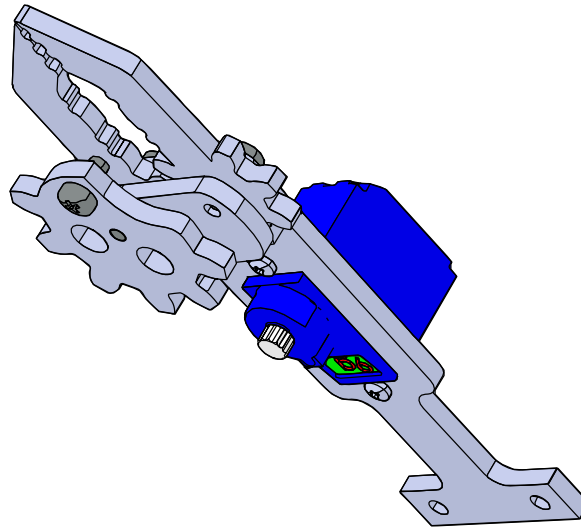


- Driving gear (G5)



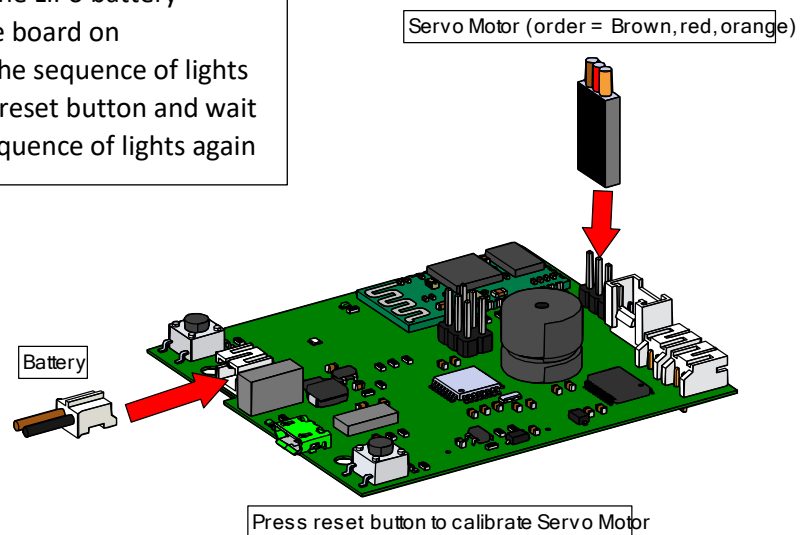
- M3x8mm bolt (F6)



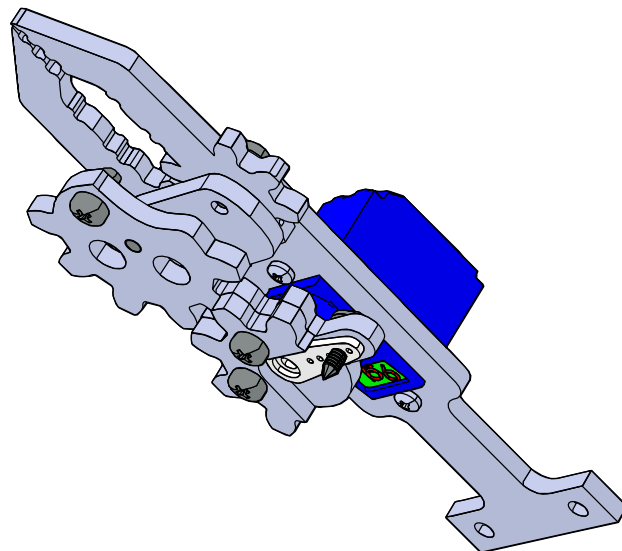
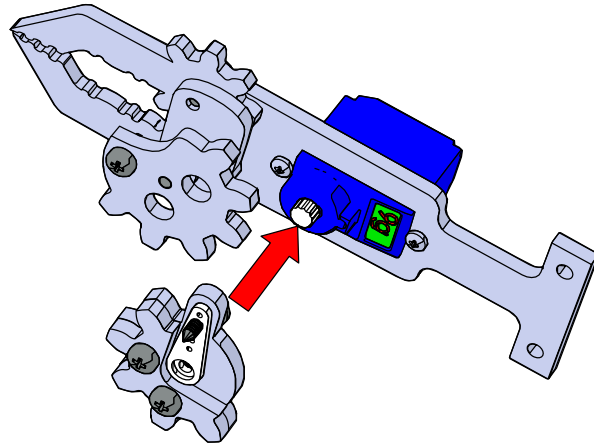


#### Calibration process:

1. Connect the servo motor
2. Connect the LiPo battery
3. Power the board on
4. Wait for the sequence of lights
5. press the reset button and wait for the sequence of lights again

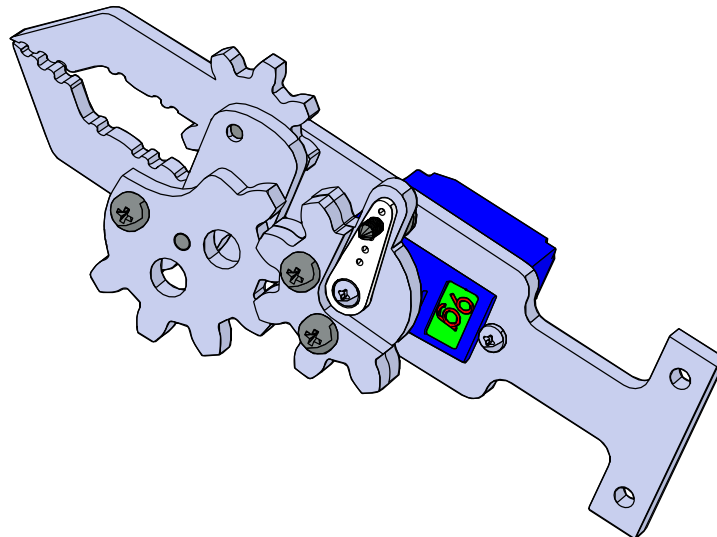
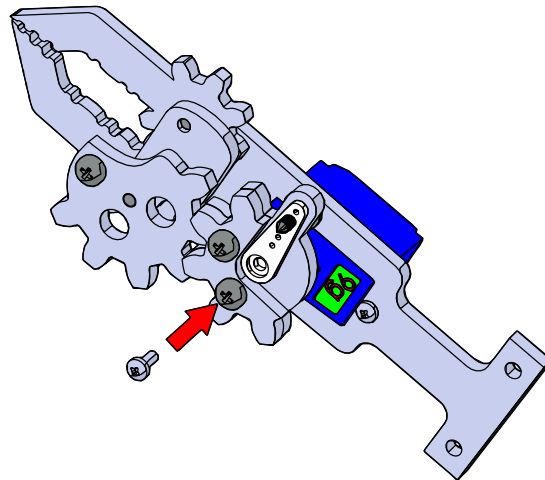


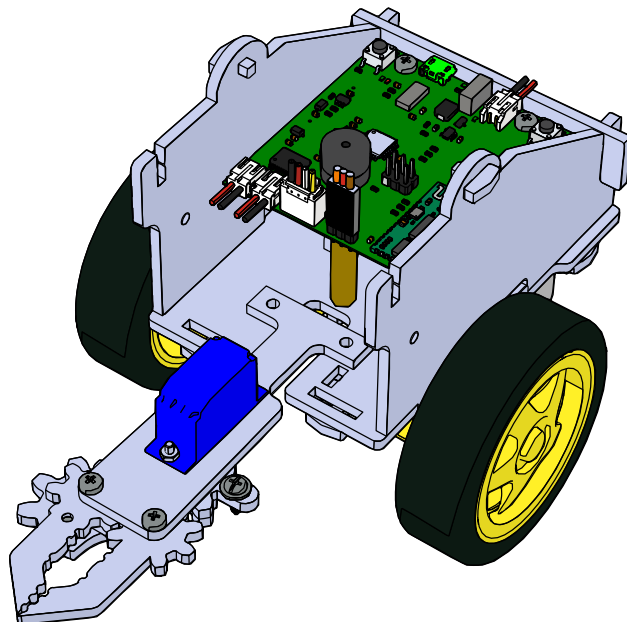
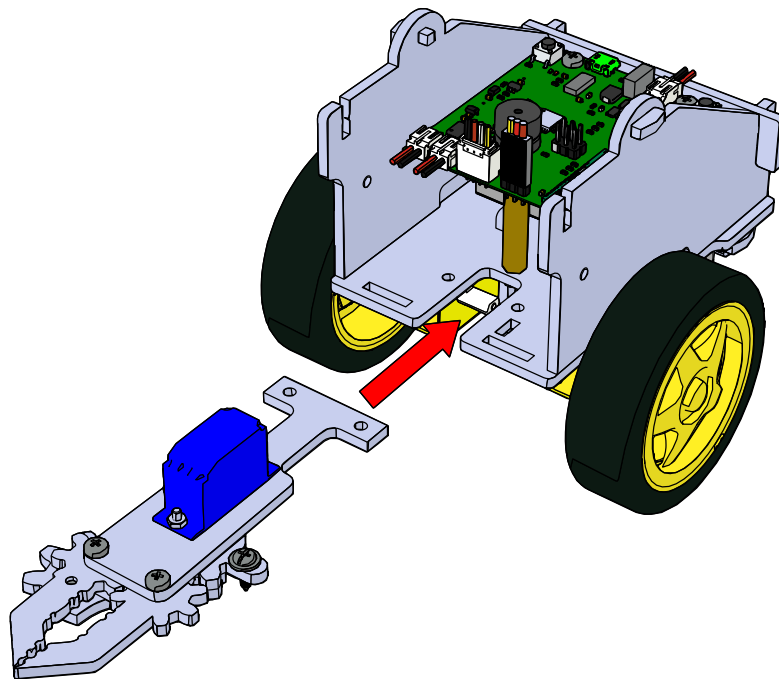
- Control board (C4)
- Servo motor (C5)
- LiPo battery (C1)



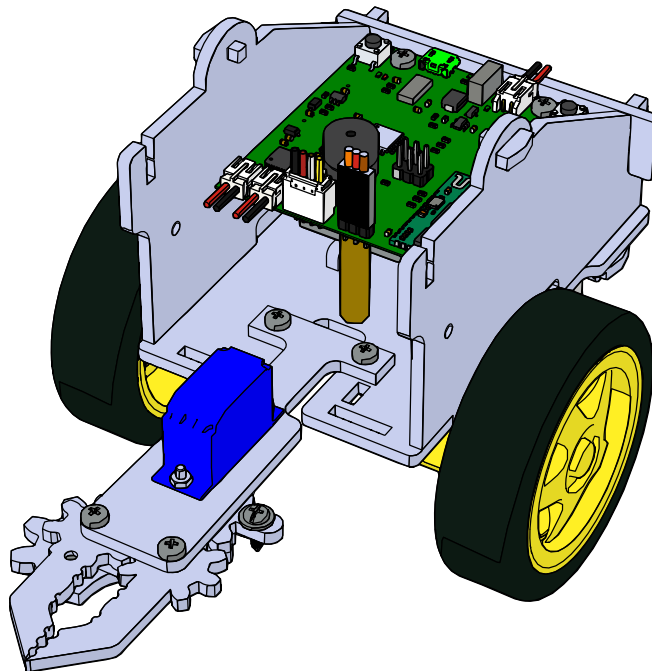
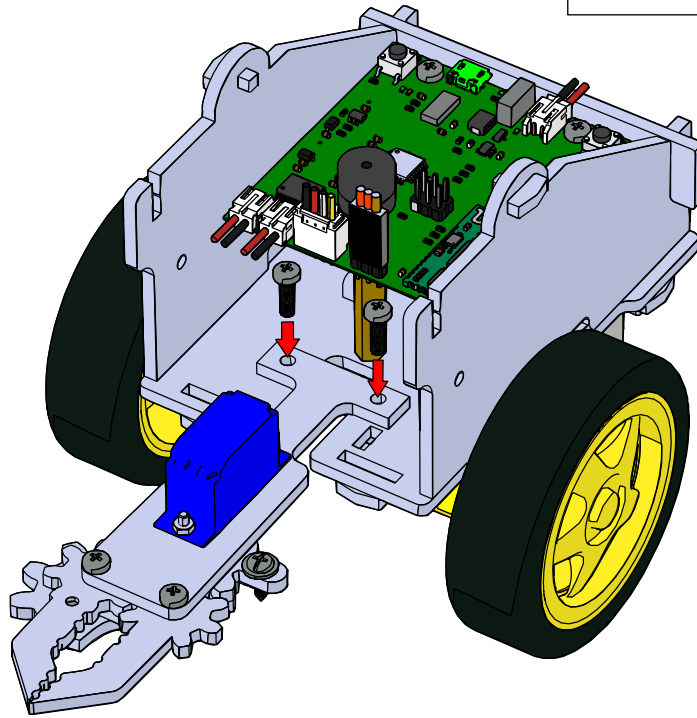


- Servo screw (S1)

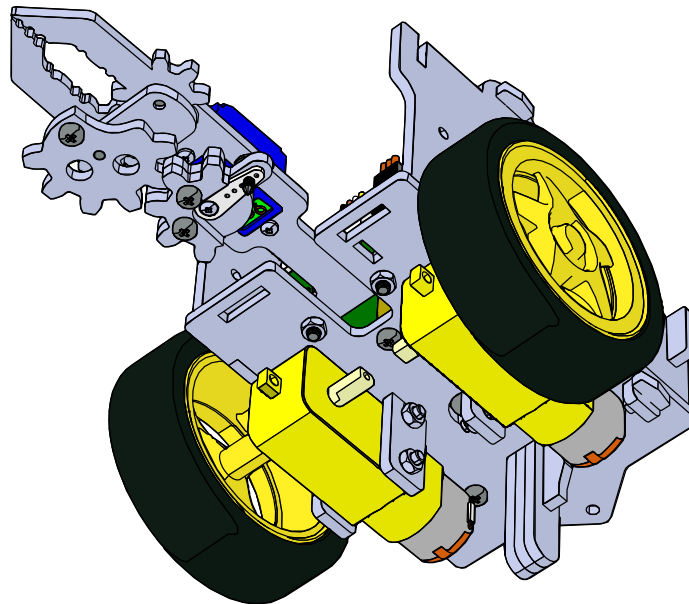
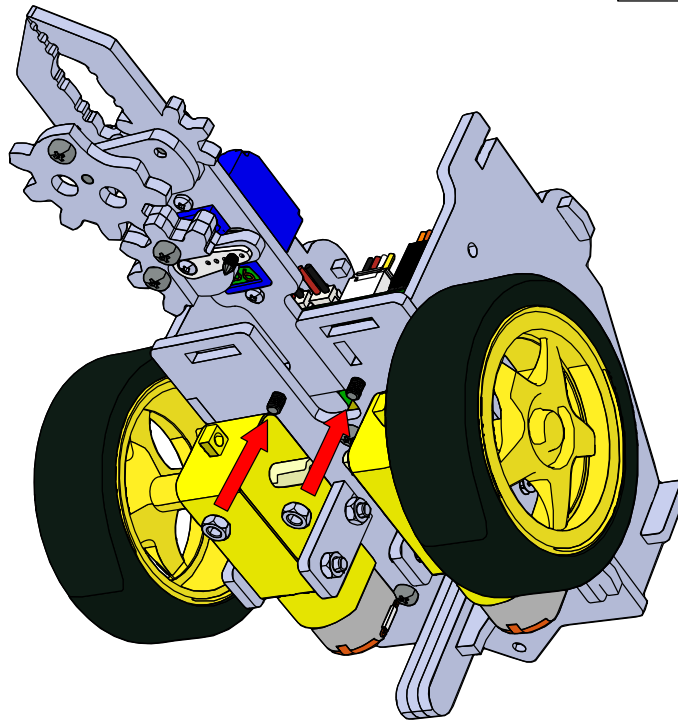


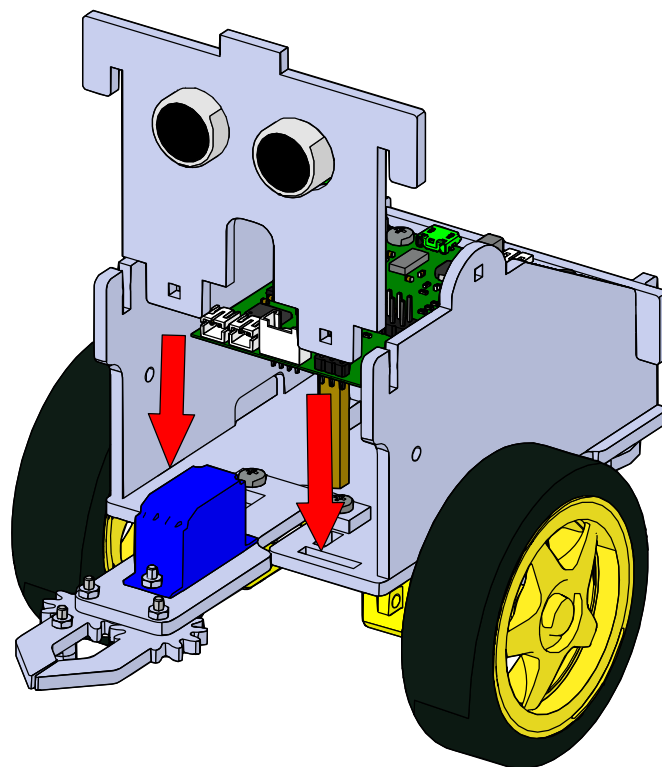
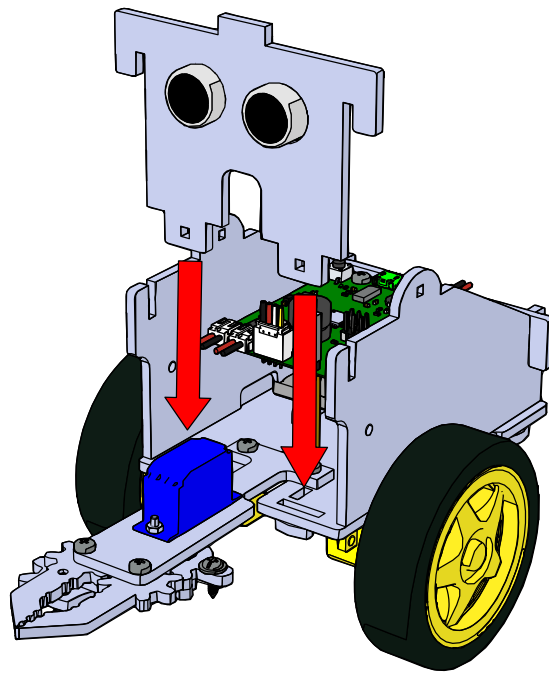


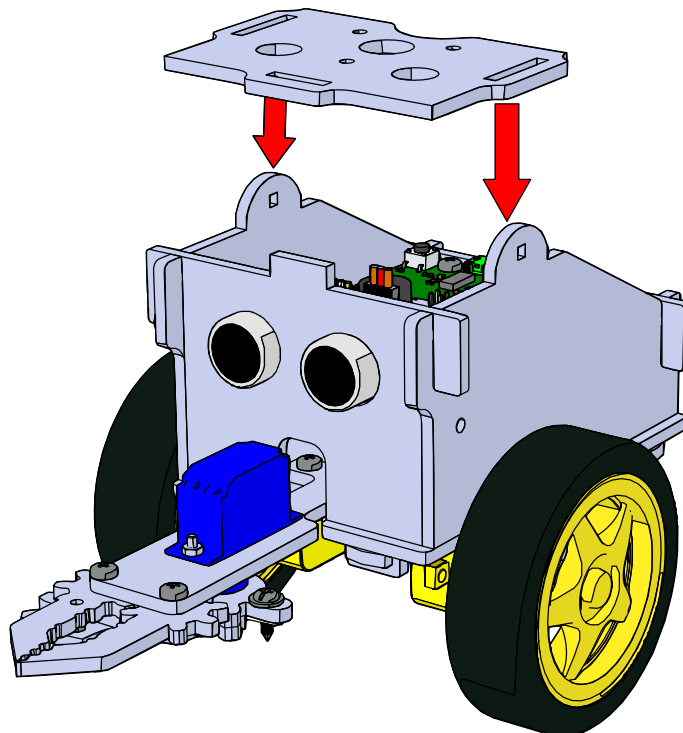
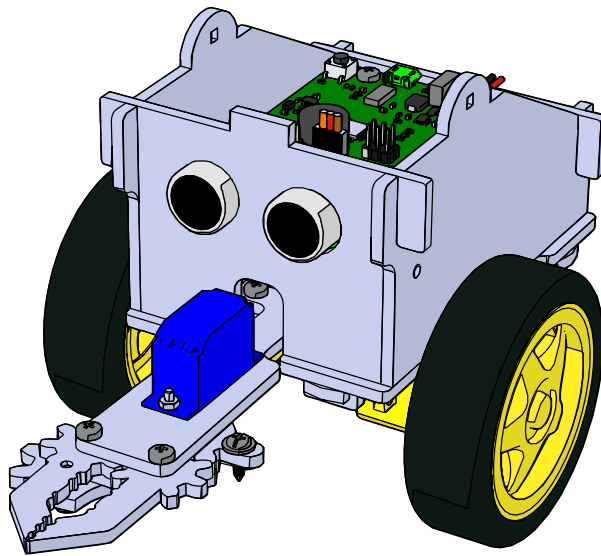
- M3x10mm bolt (S6)

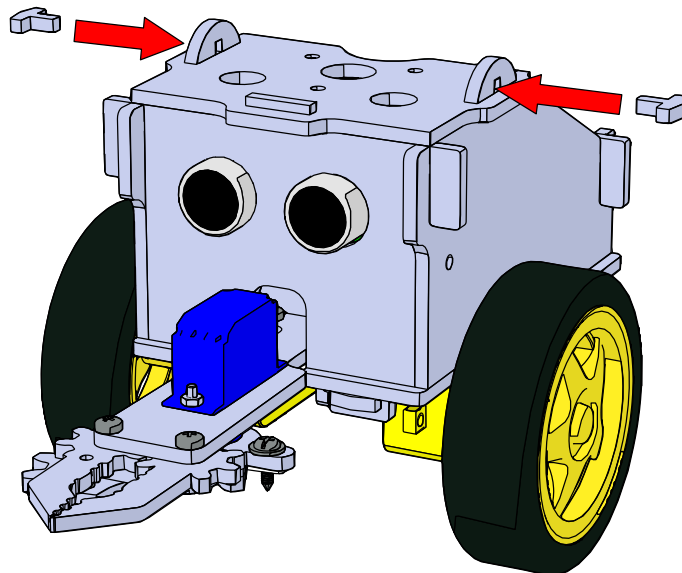
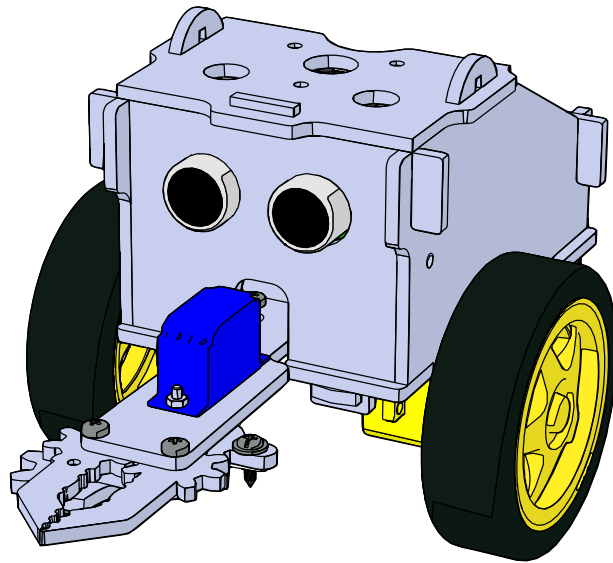


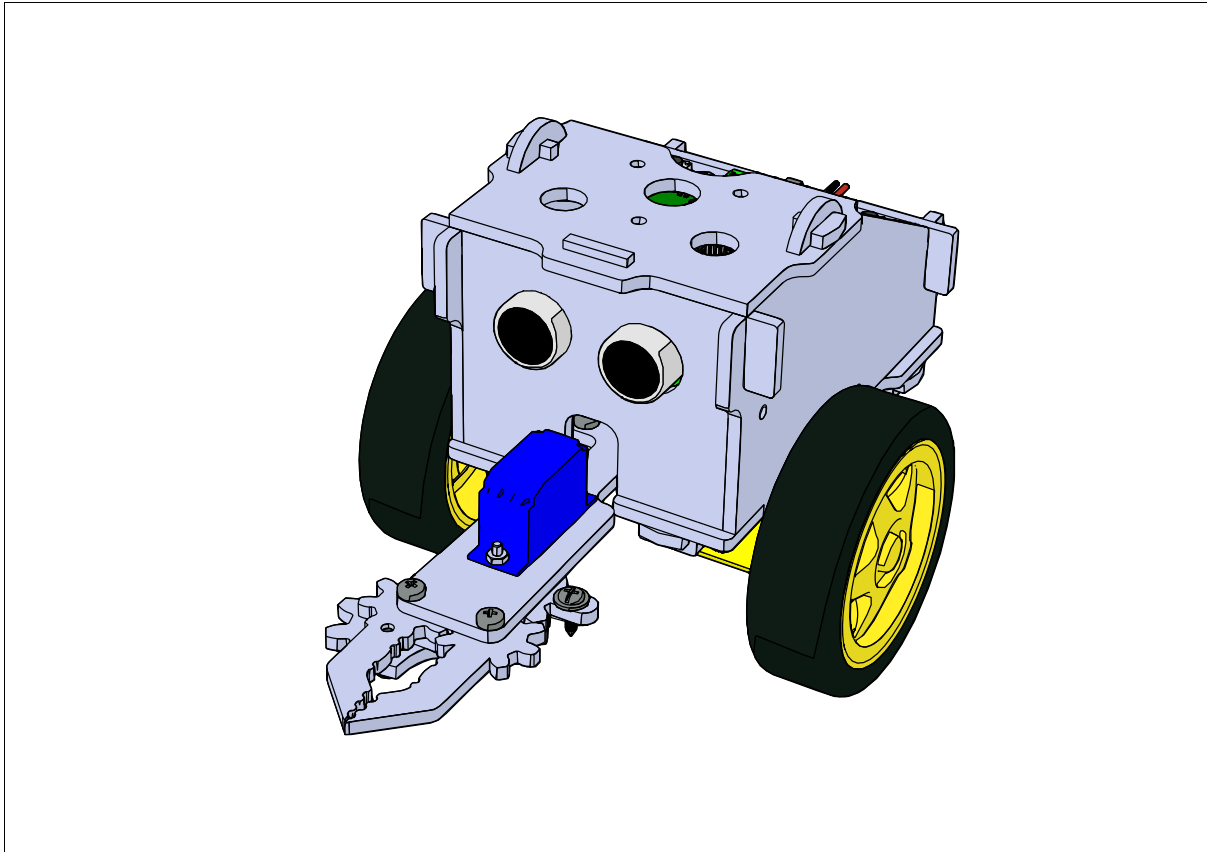
- M3 nut (F4)











Well done! Your MiiGripper is now complete and ready to be programmed. To continue your robotics journey please go to our website, [www.miiabot.rd-9.co.za](http://www.miiabot.rd-9.co.za)

Alternatively, all relevant information is contained in our MiiCode Mobile Application which can be downloaded on both the Google Play store and Apple App store. If you are having any issues or difficulty in assembling the kits, please do not hesitate to contact us at [info@rd-9.co.za](mailto:info@rd-9.co.za)