

DEVASTATOR

Tank Mobile Platform Instruction Manual

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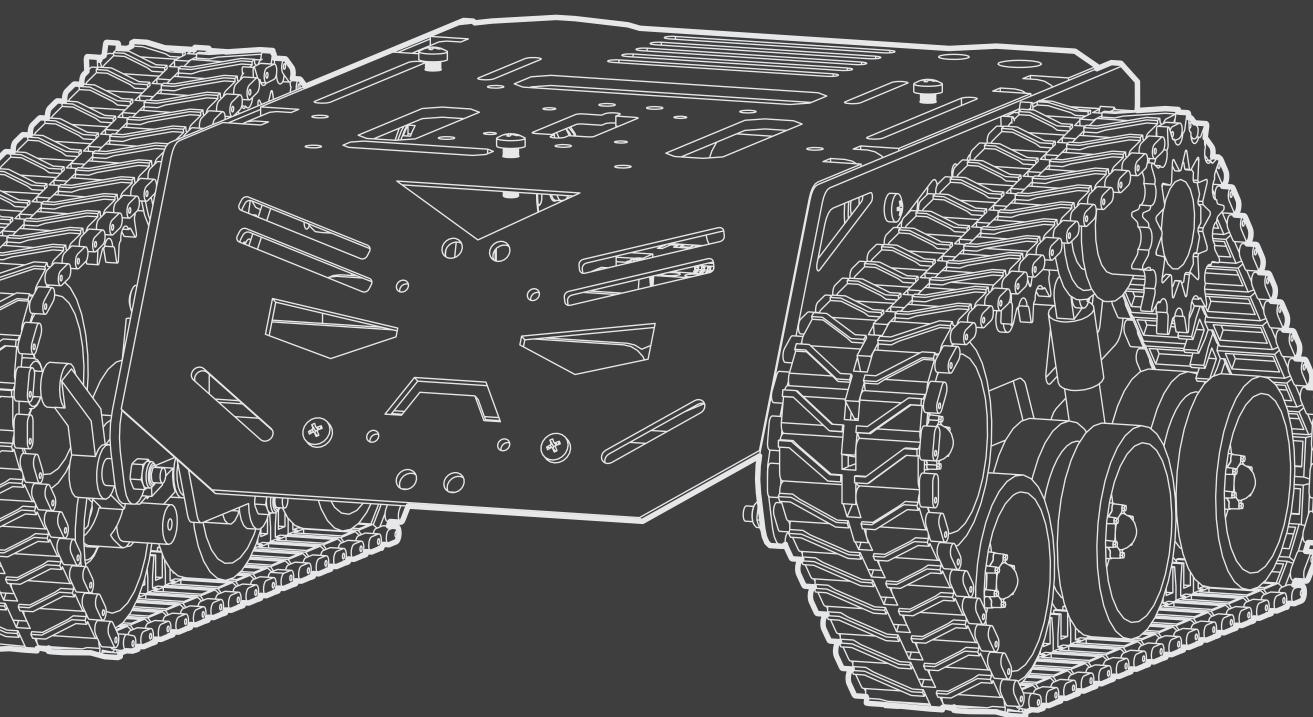
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◎ DFRobot has the final authority of interpretation on this manual.

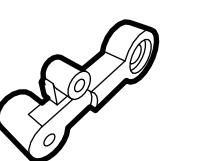
Metal DC Gear Motor



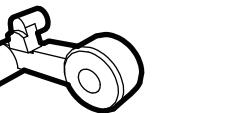
 **DFROBOT**
DRIVE THE FUTURE

Parts List

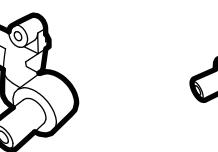
Parts List



A1-1 x1



A1-2 x1



A2-1 x2



A2-2 x2



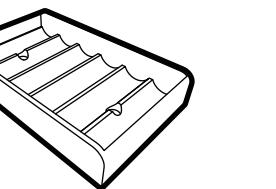
A3 x6



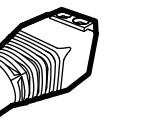
A4-1 x1



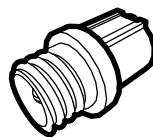
A4-2 x1



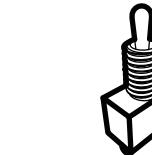
F1 x1



F2 x1



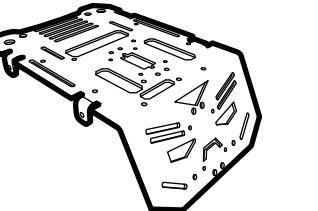
F3 x1



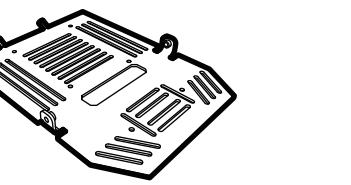
F4 x1



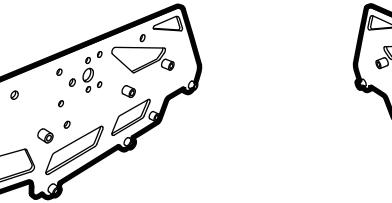
F5 x1



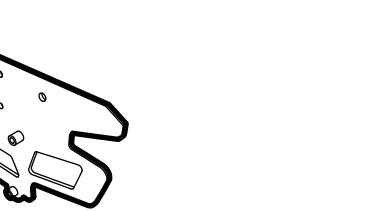
B1 x1



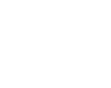
B2 x1



B3 x1



B4 x1



C1 x2

M2.6x14mm
Phillips Self Tapping Screw



C2 x16

M3x16mm
Phillips Pan Head Machine Screw



C3 x20

M3
Locknut



C4 x16

M3x6mm
Phillips Pan Head Machine Screw



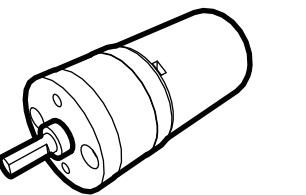
C5 x2

M3x3mm
Phillips Pan Head Machine Screw

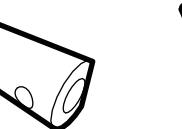


C6 x8

M2.6x8mm
Phillips Self Tapping Screw



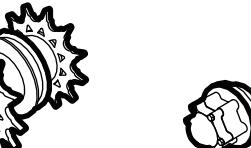
D1 x2



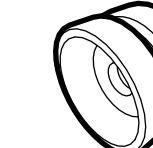
D2 x2



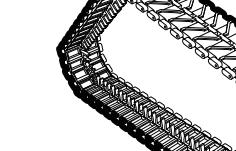
D3 x4



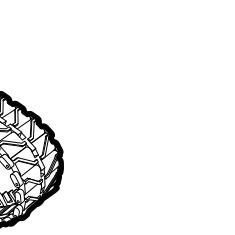
E1 x2



E2 x8



E3 x8



E4 x2



C7 x2

M3x10mm
Phillips Flat Head Machine Screw



C8 x4

M3x6mm
Hexagonal Standoffs



Tools List

Assemble Side 1

Essential Tools

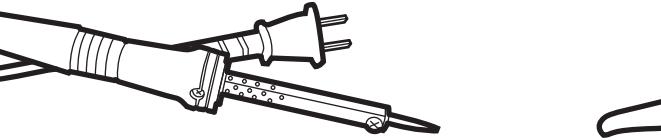


M3 Phillips Screwdriver



Small Cross Sleeve Wrench

Selection Tool

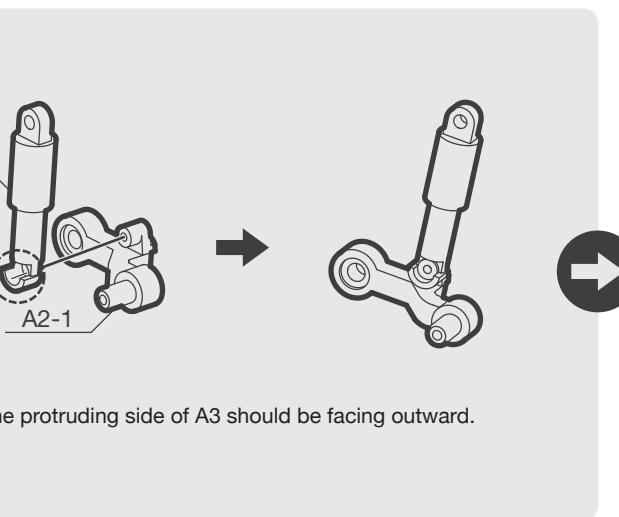


Soldering Iron

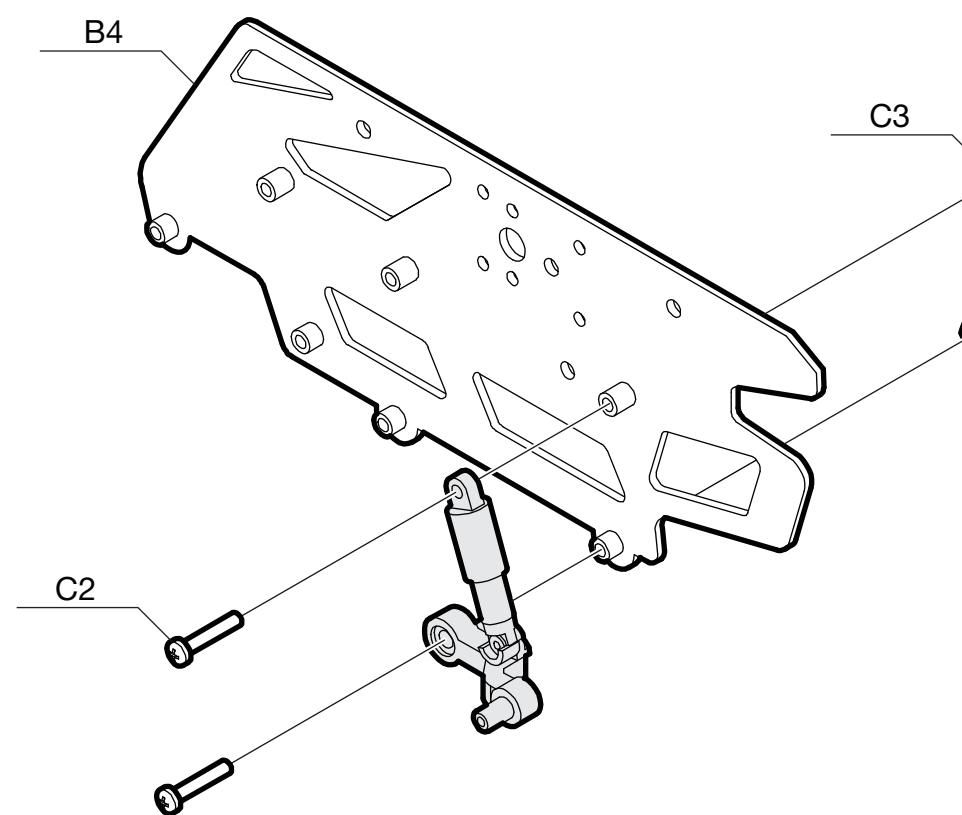


Wire Strippers

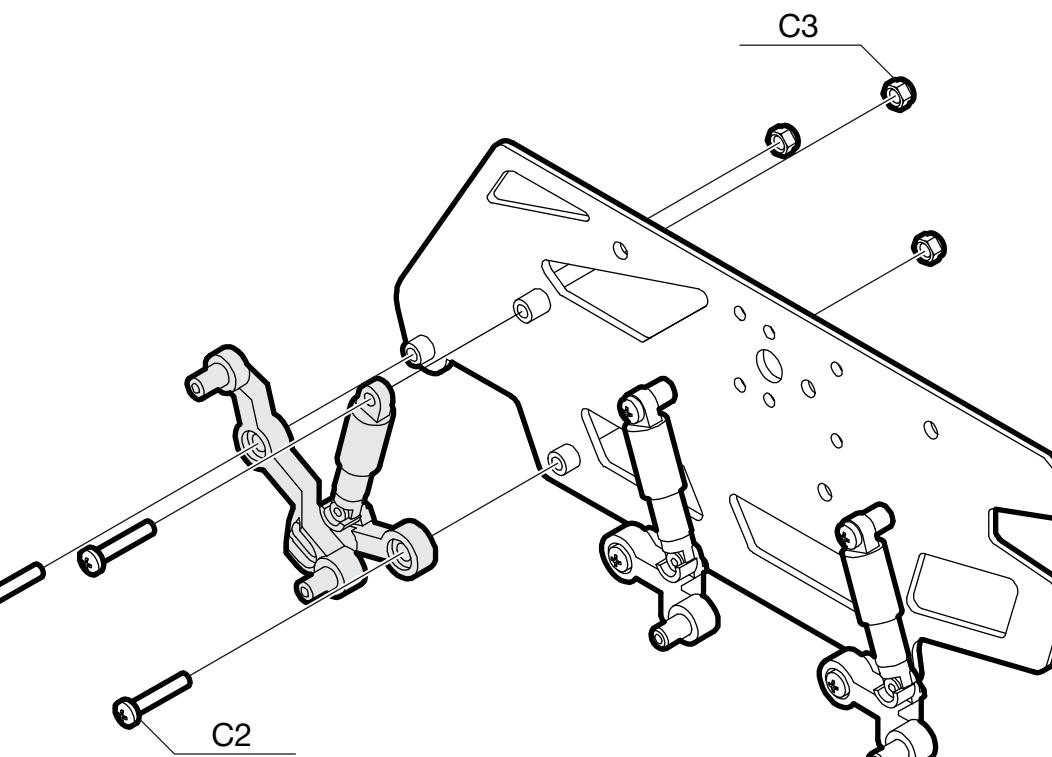
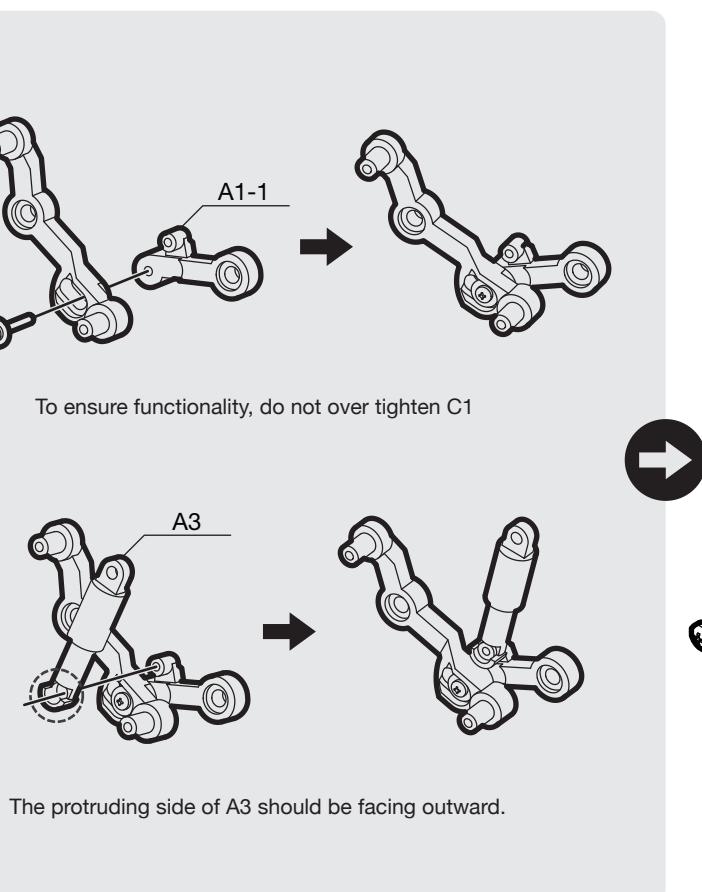
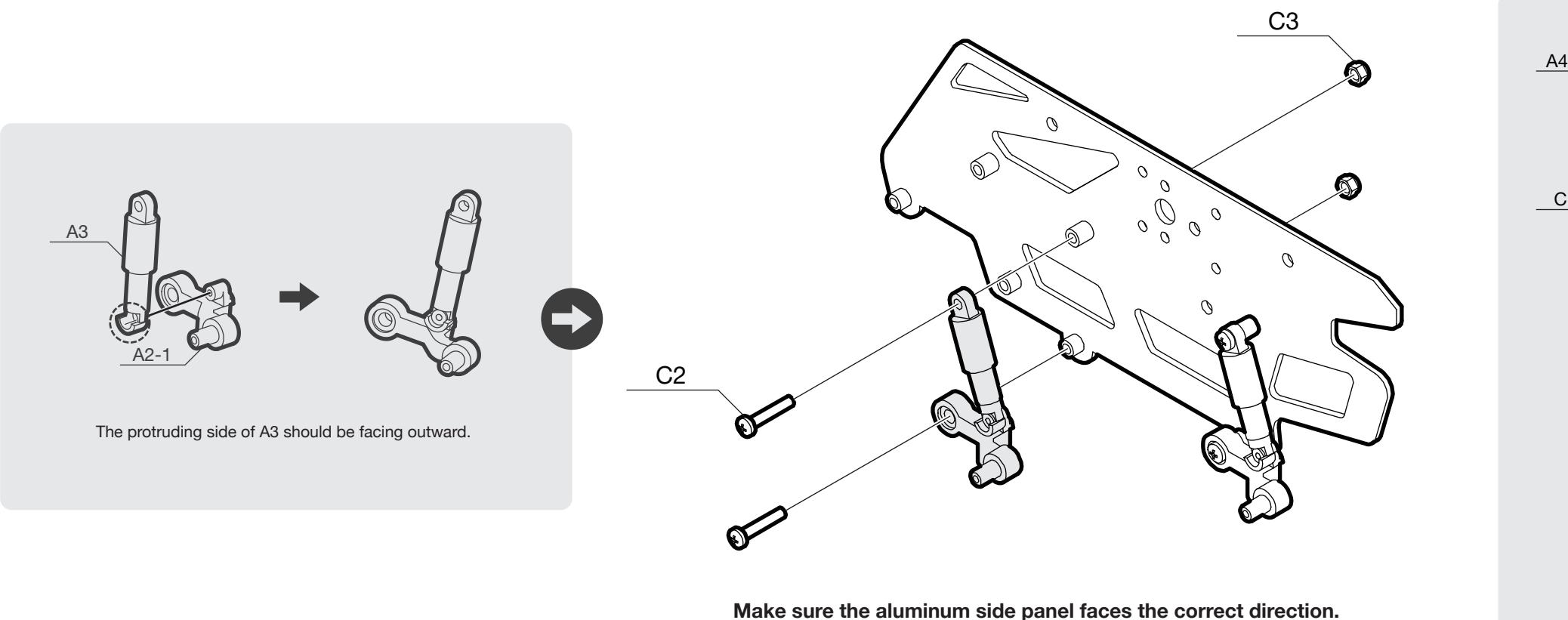
Note: Tools and Batteries are not included.



The protruding side of A3 should be facing outward.

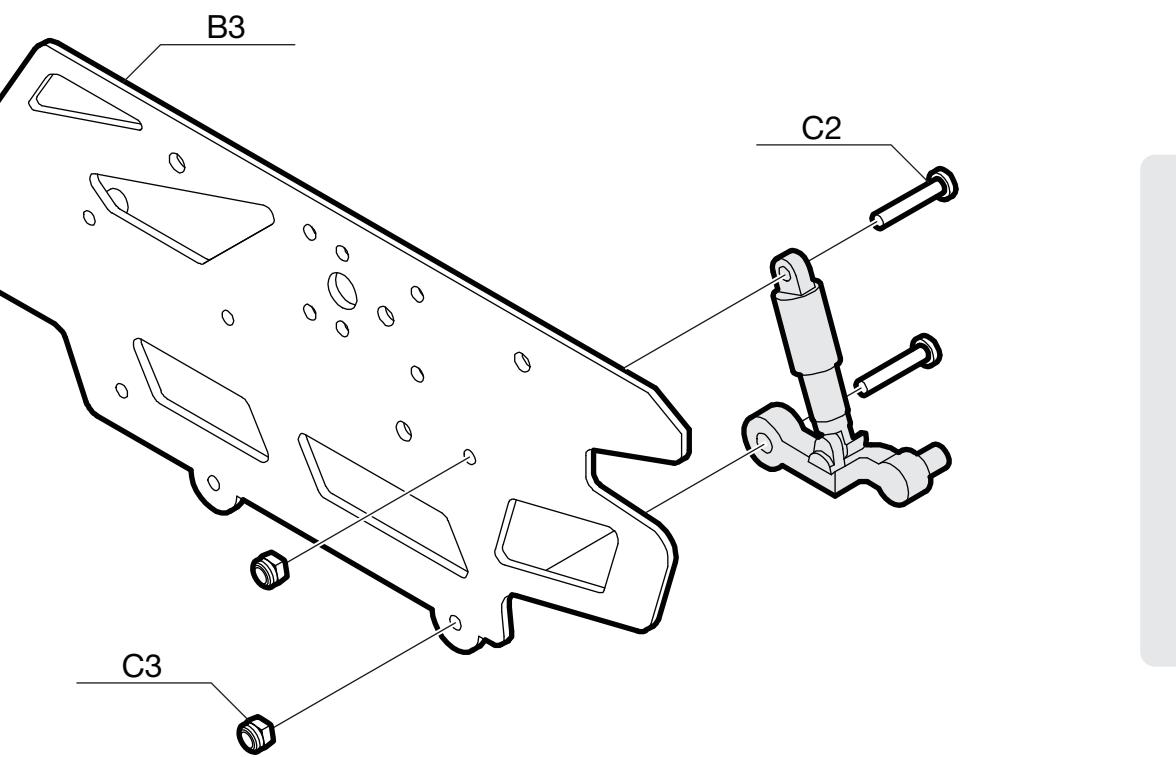
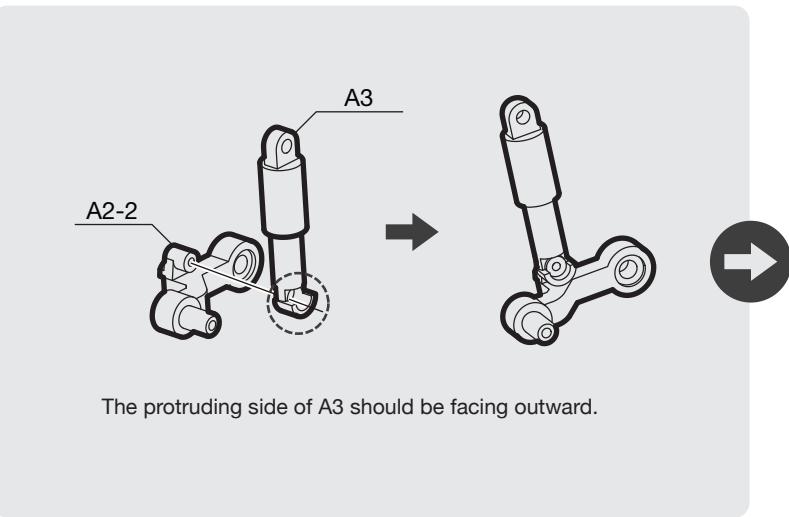


Assemble Side 1

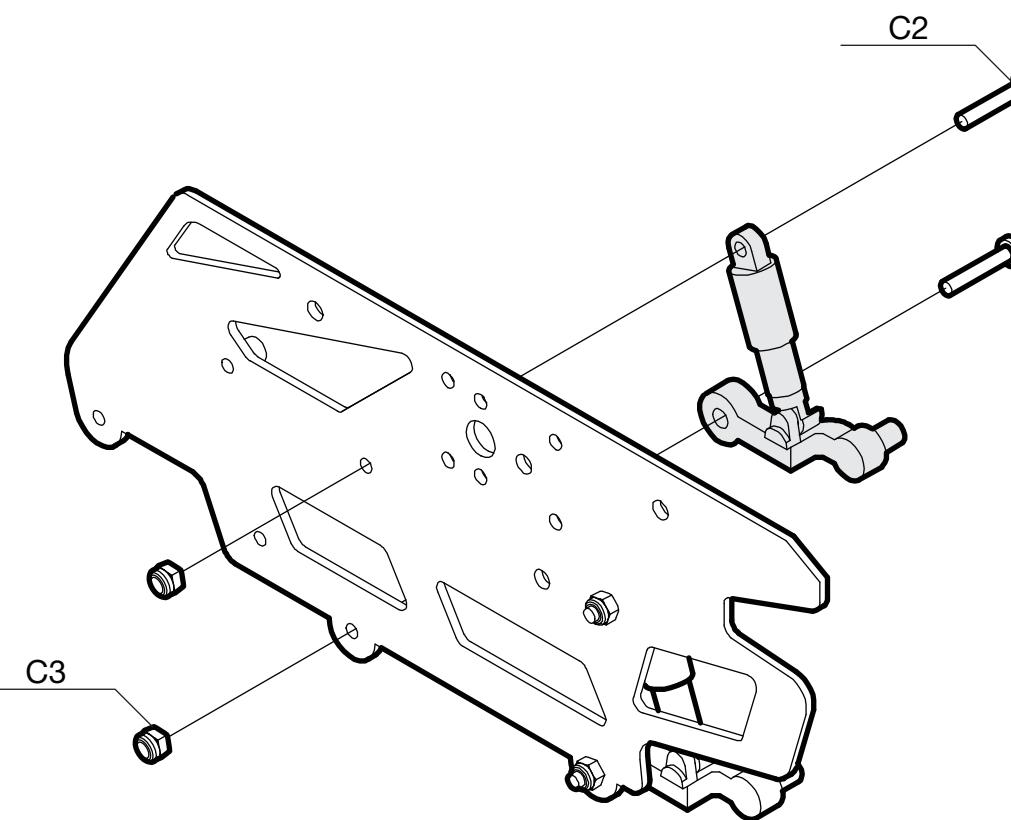
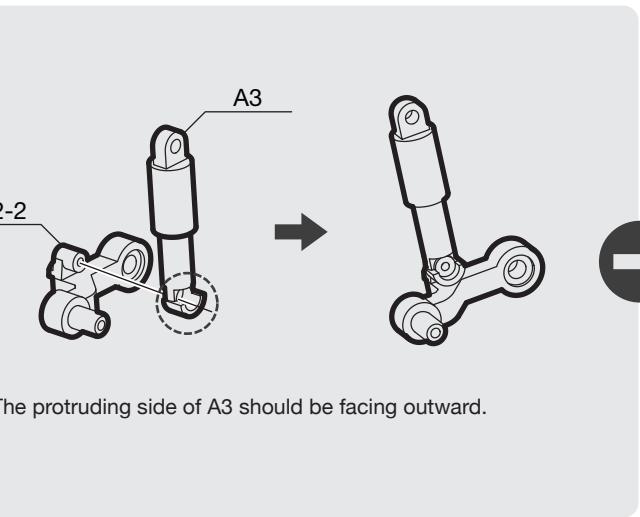


Assemble Side 1

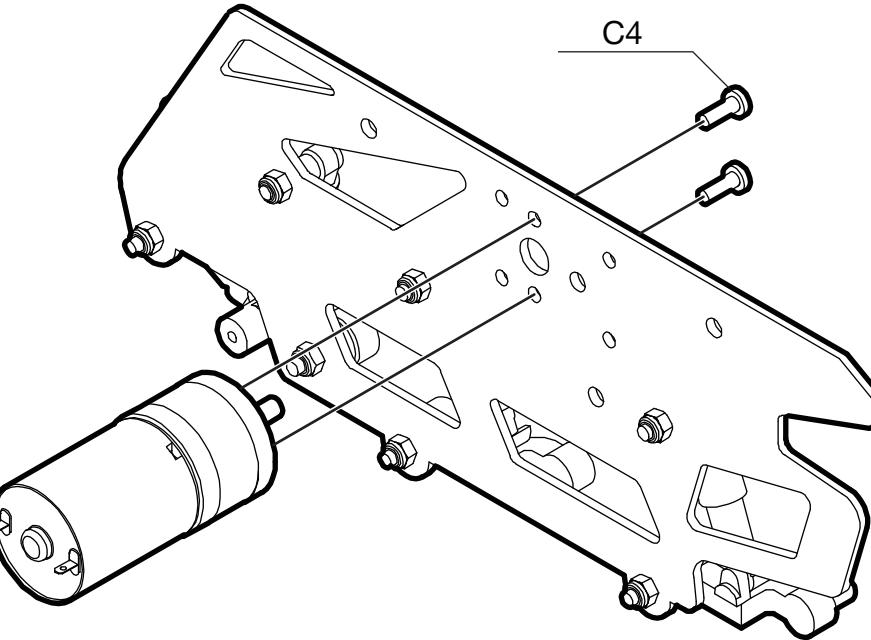
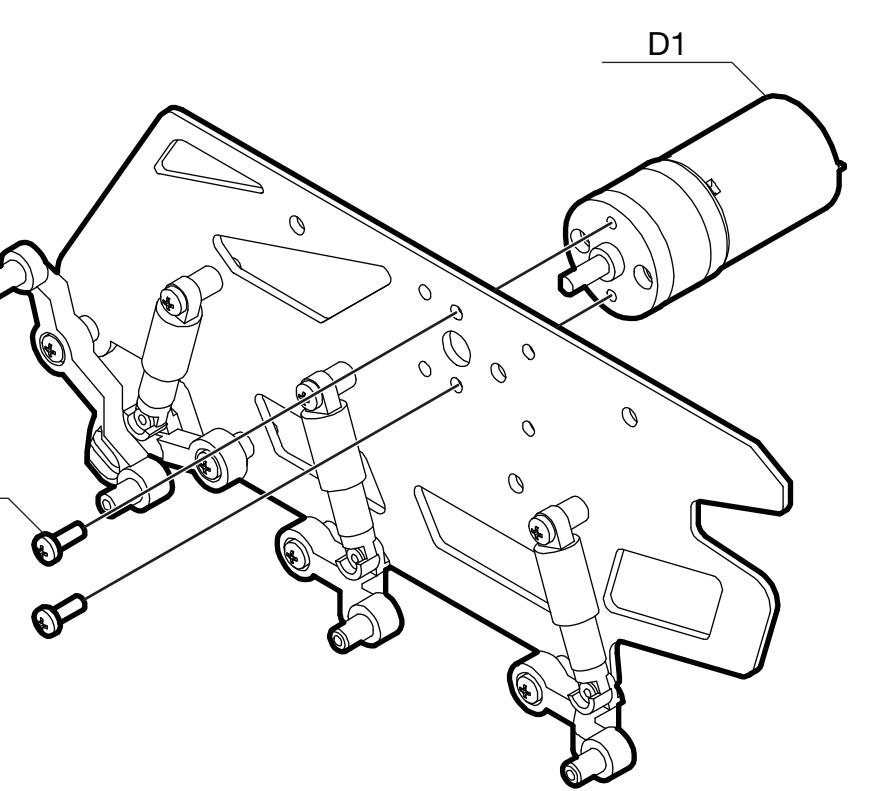
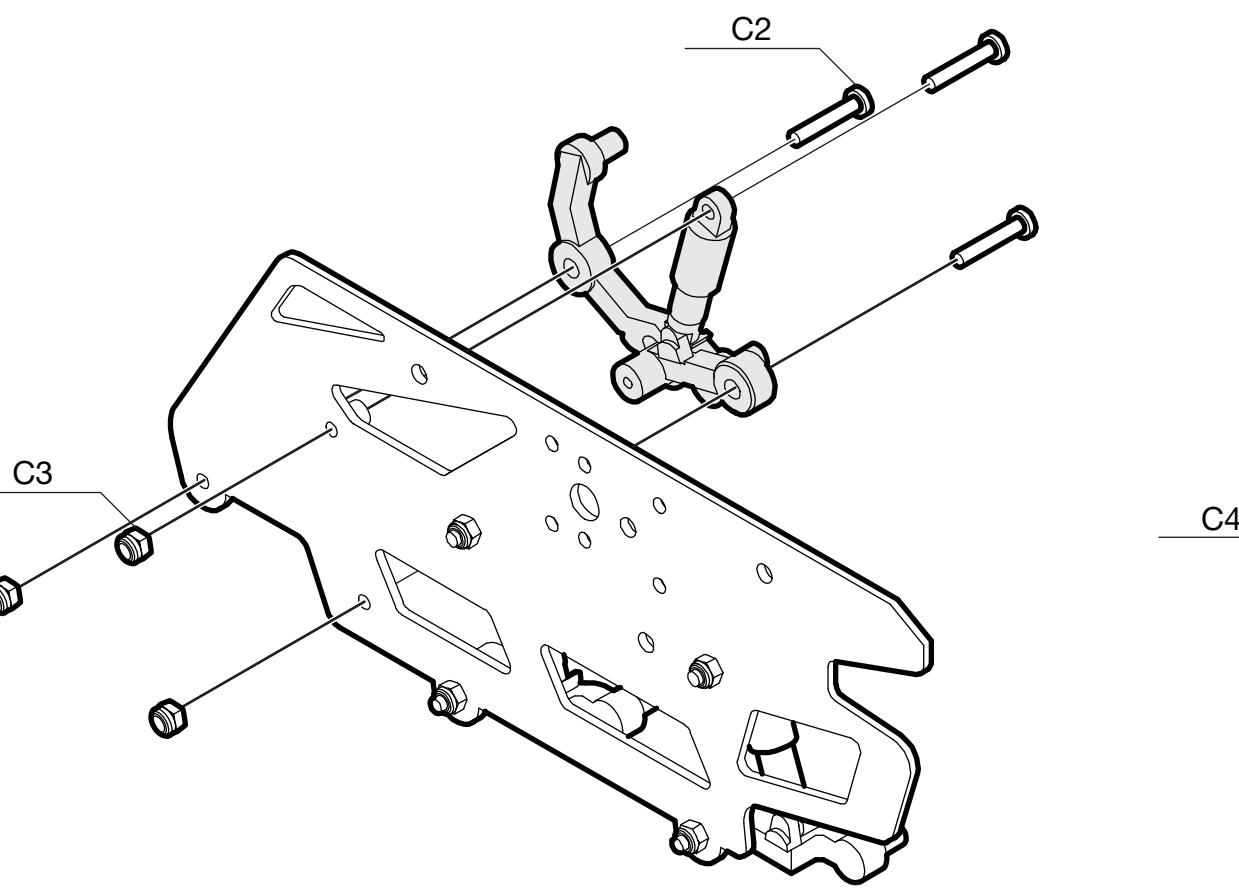
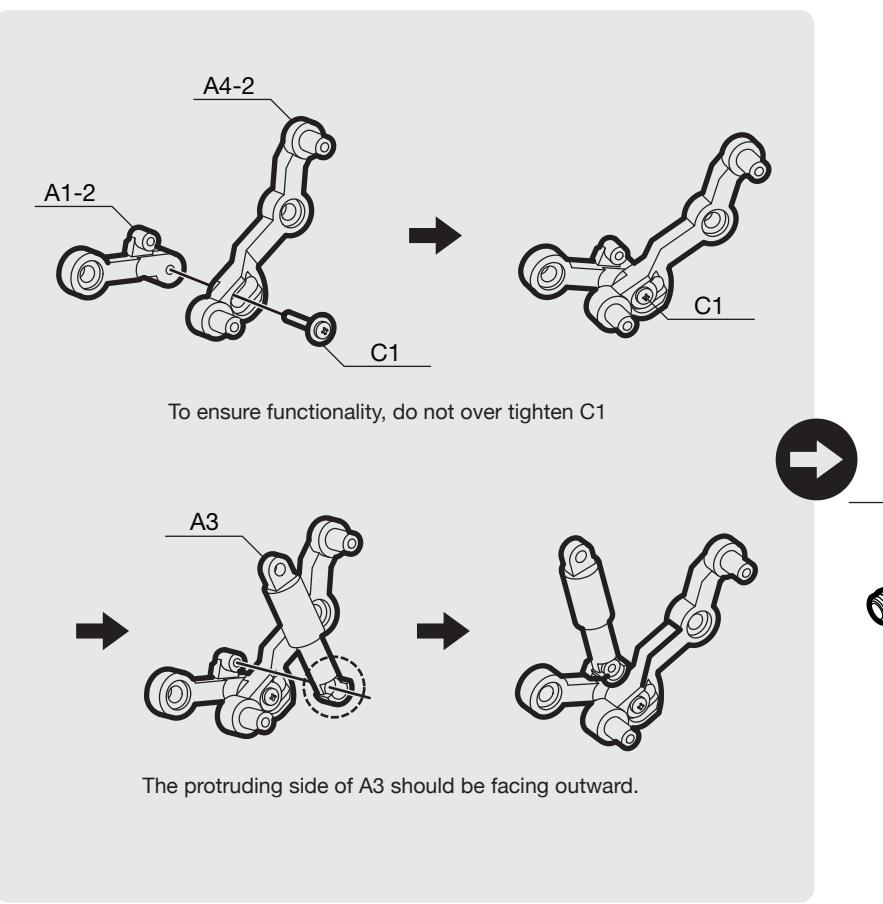
Assemble Side 2



Assemble Side 2

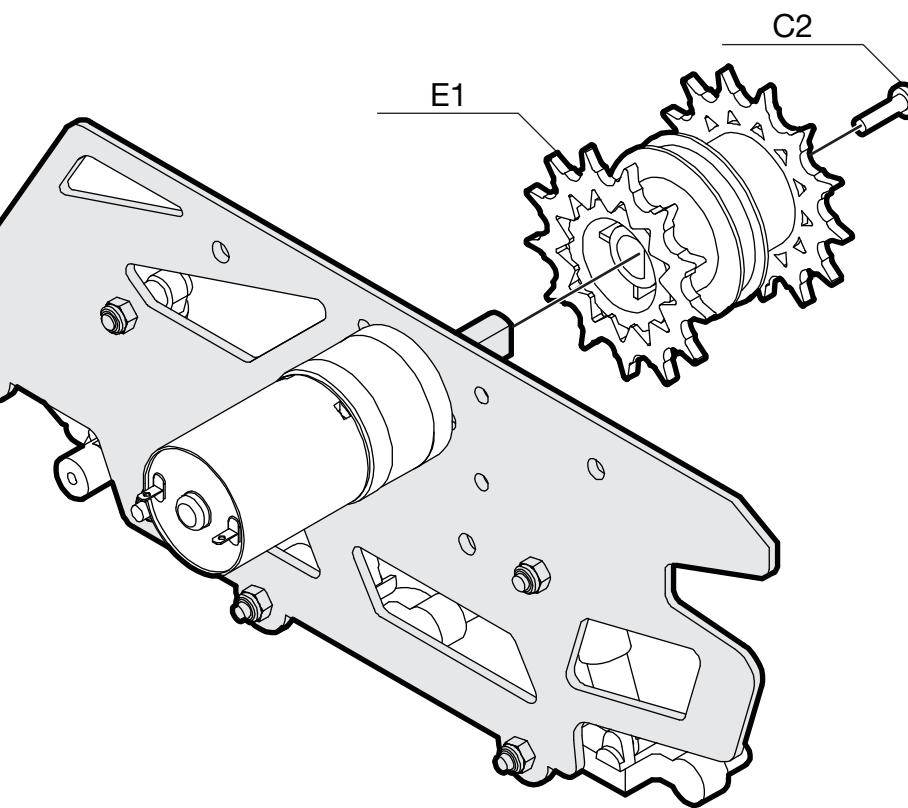
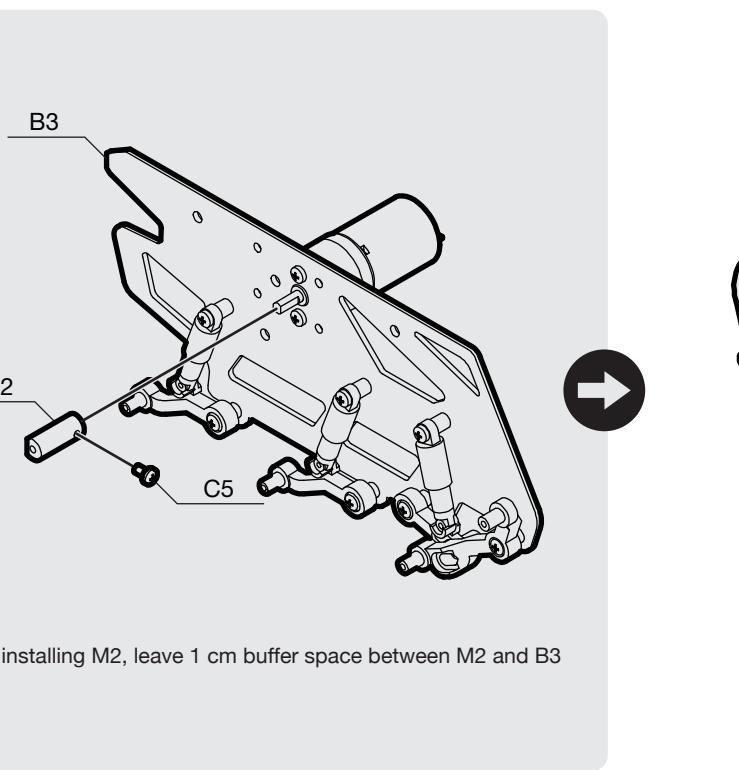
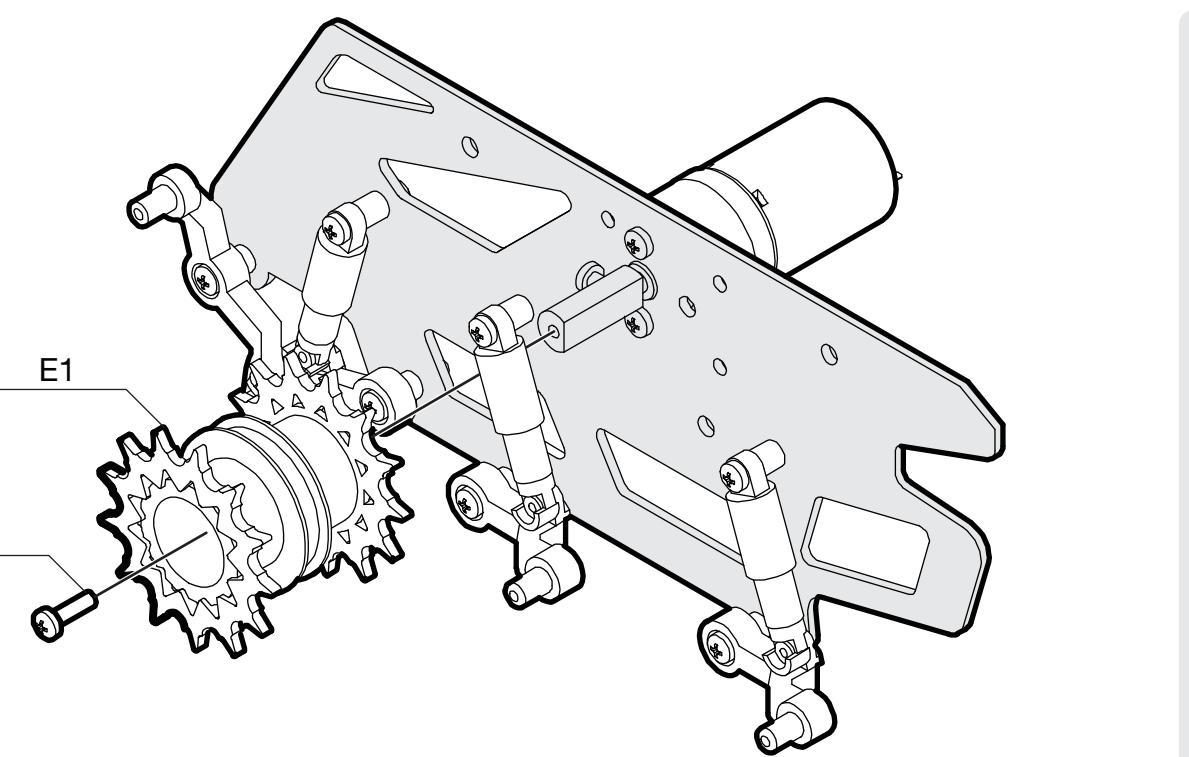
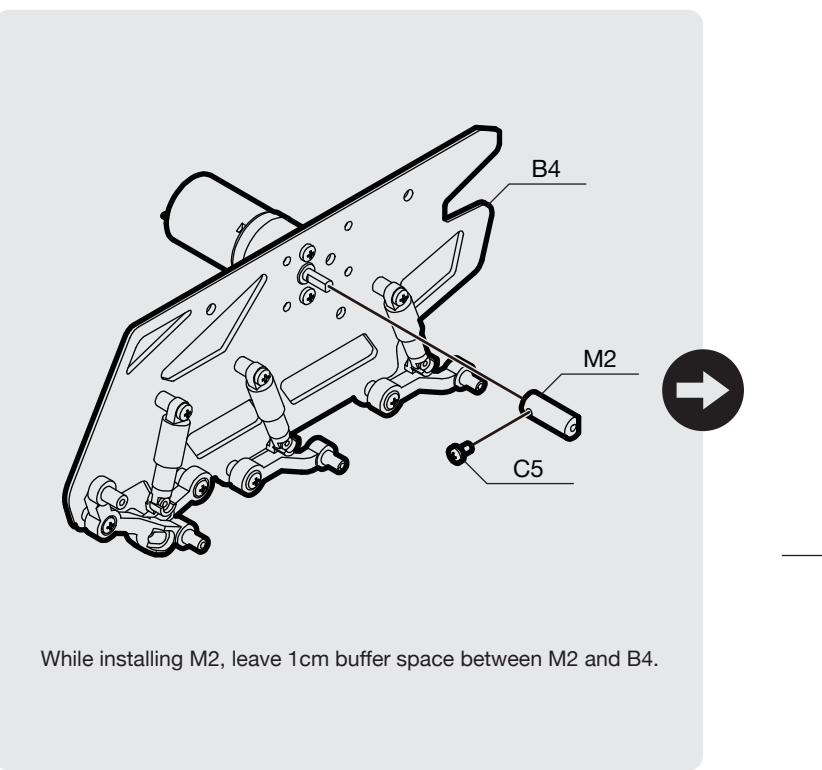


Assemble Side 2



Assemble Wheels

Assemble Wheels

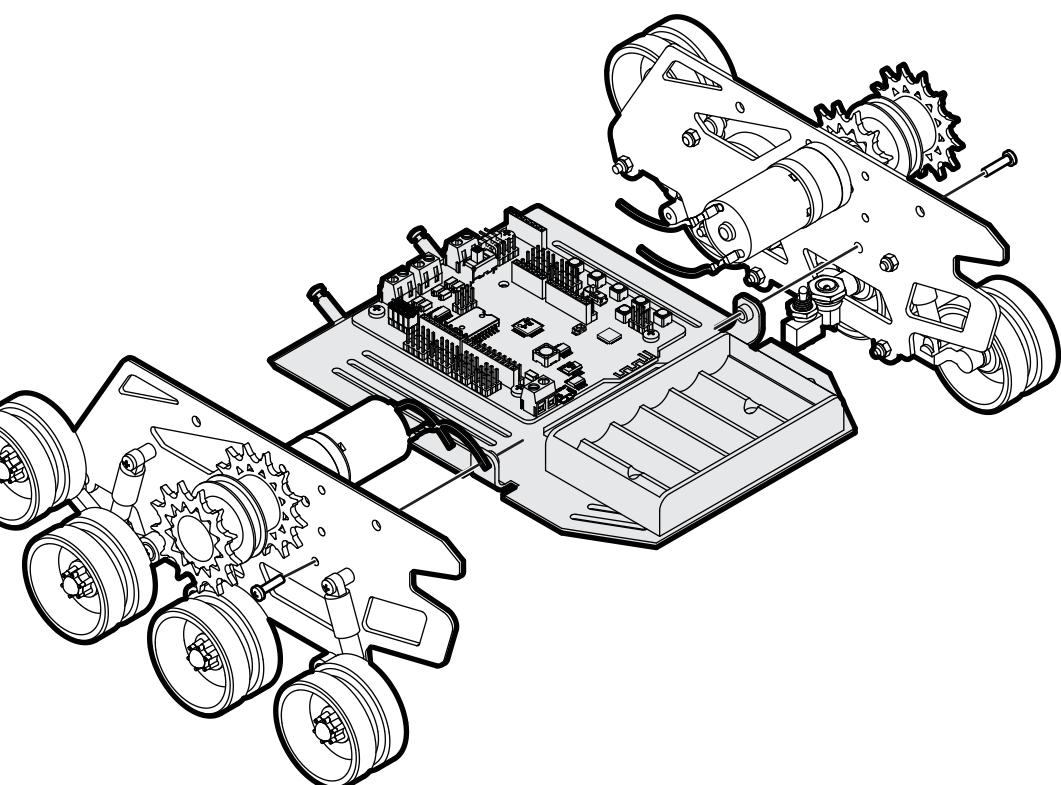
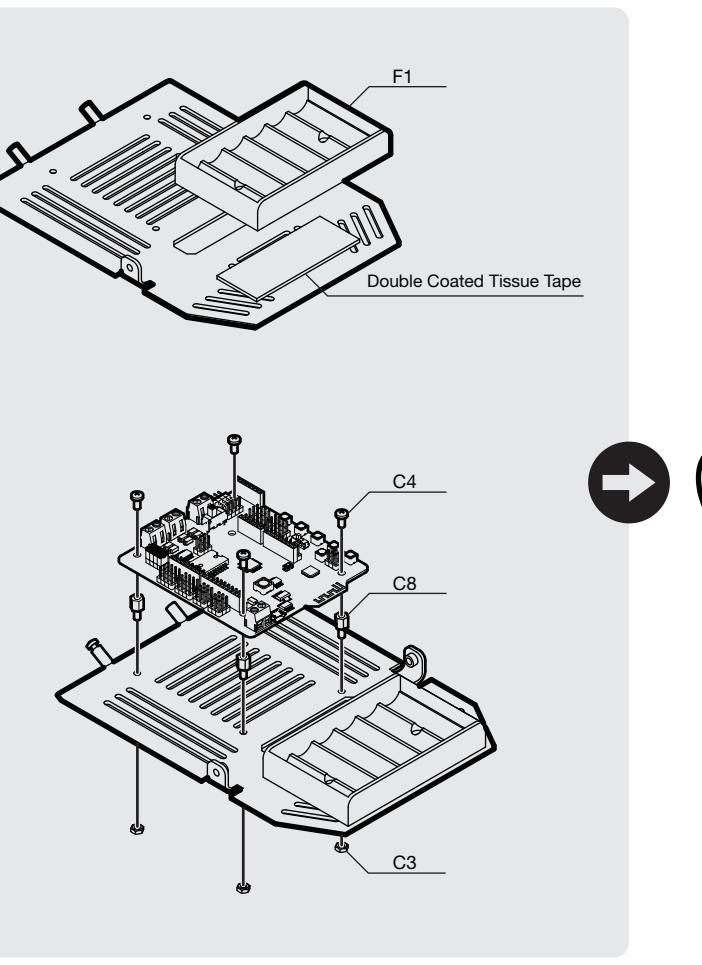
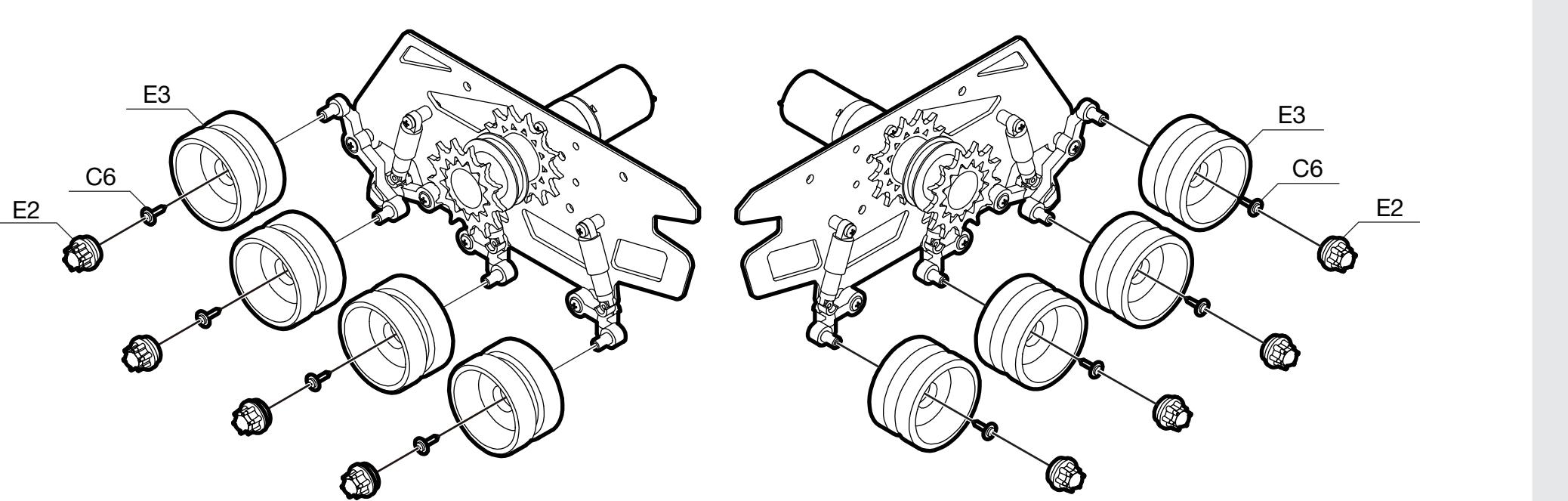


Assemble Wheels

Assemble Wheels

The circuit diagram provided in this instruction sheet is based on the Romeo BLE micro controller.

Electronics



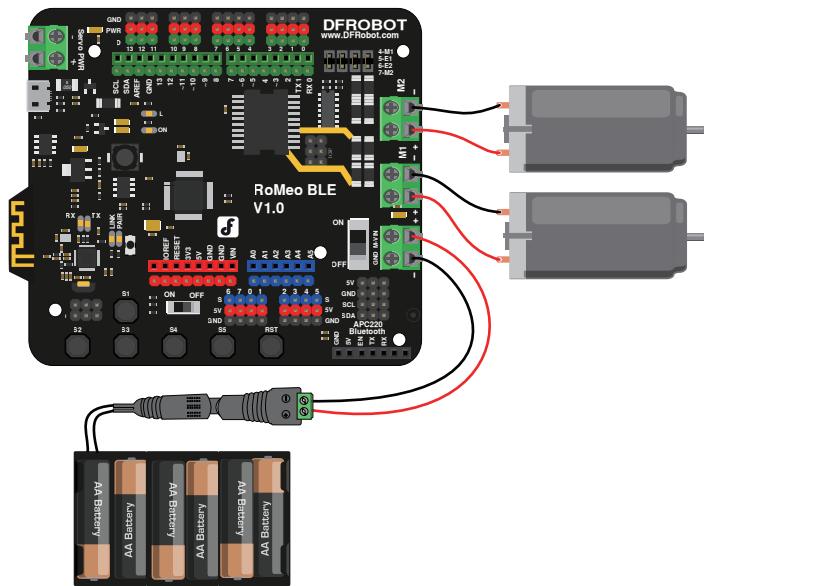
Solder wire (F5) to motors. Connect to board via screw terminals.

There are two options to power your device:

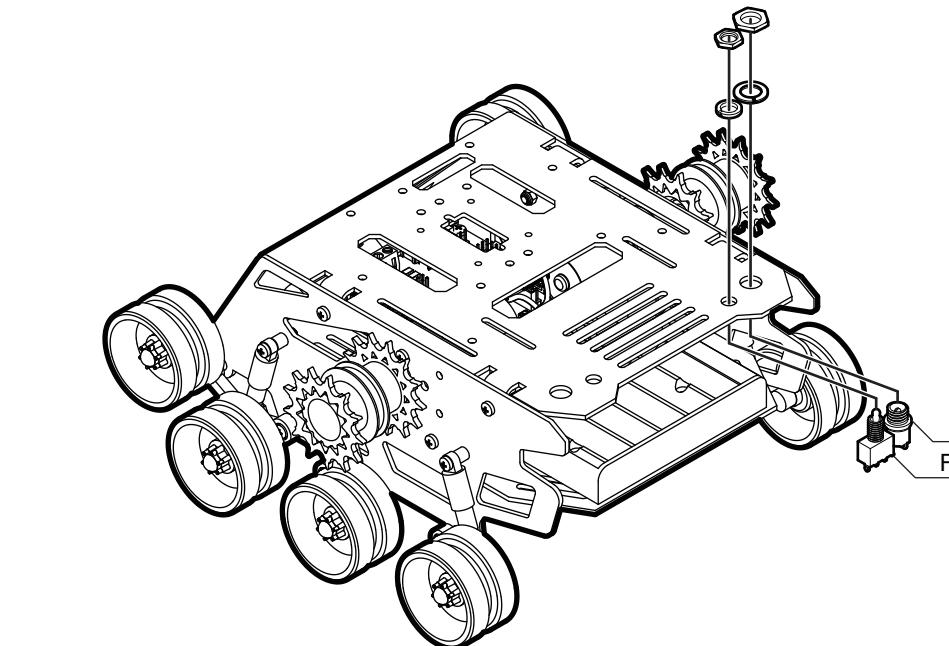
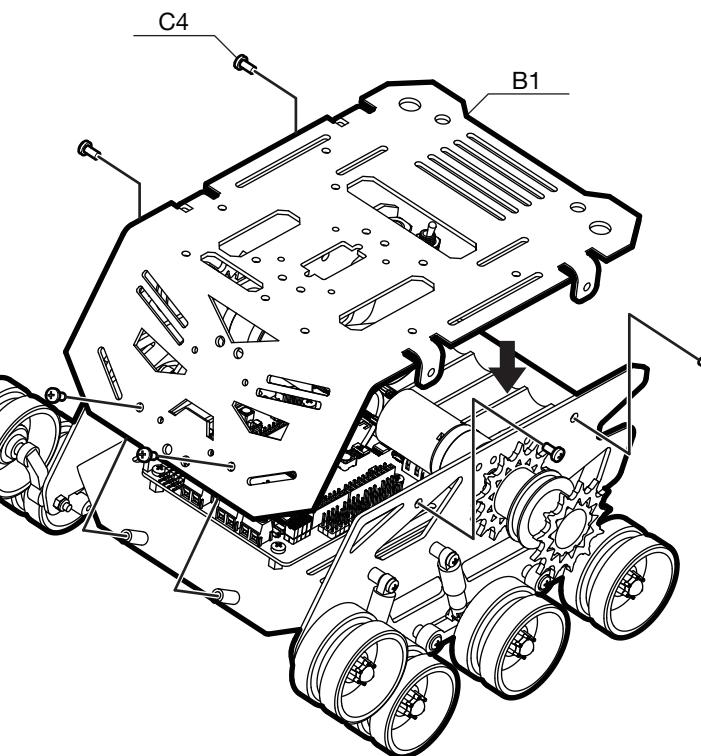
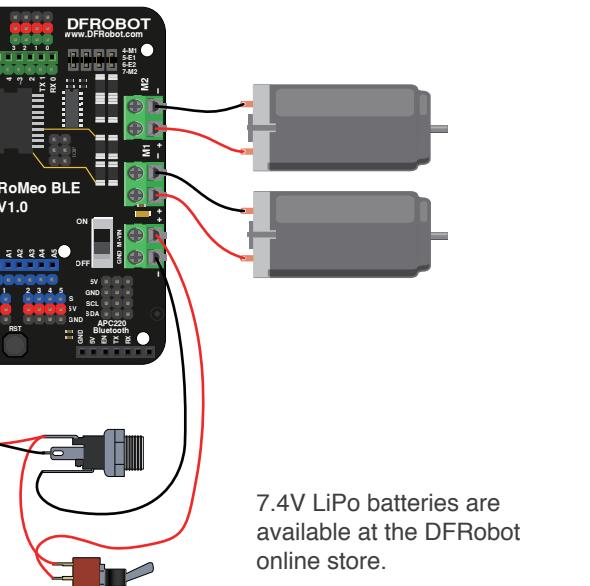
Electronics

Complete Assembly

Option A: Battery holder power supply



Option B: Rechargeable battery power supply

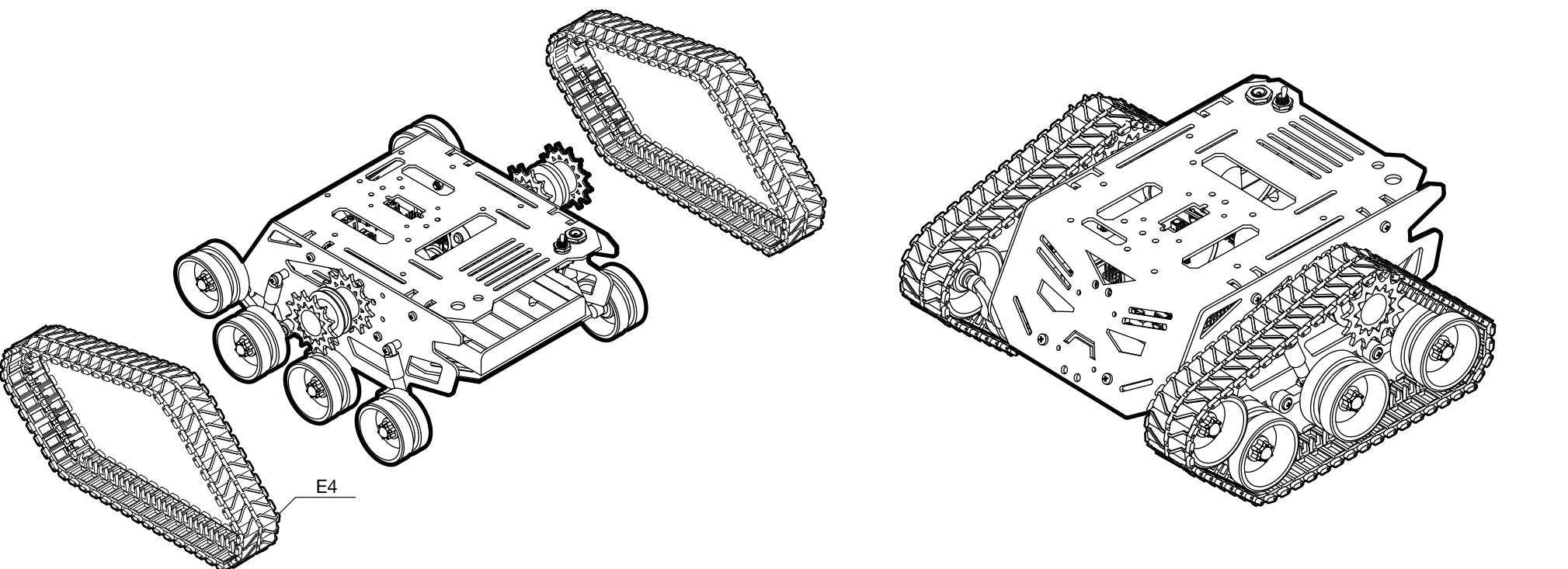


Refer to tutorials on DFRobot Wiki page for trouble shooting.

<https://www.dfrobot.com/wiki>

ROB0128

Complete Assembly



Recommended Products

Autonomous Obstacle Avoiding Robot

Romeo BLE Controller	(SKU: DFR0305)	X1
Goteck Micro Metal Gear Servo	(SKU: SER0011)	X1
URM37 Ultrasonic Sensor	(SKU: SEN0001)	X1
URM37 Ultrasonic Mounting Bracket	(SKU: FIT0006)	X1

WiFi Monitoring Robot

Romeo BLE Controller	(SKU: DFR0305)	X1
Hexa Base Rotate KIT	(SKU: ROB0114)	X1
DSS-P05 Standard Servo	(SKU: SER0020)	X2
Pan and Tilt Kit	(SKU: FIT0004)	X1
URM37 Ultrasonic Sensor	(SKU: SEN0001)	X1
URM Ultrasonic Mounting Bracket	(SKU: FIT0006)	X1
2.4G WIFI Camera	(SKU: SEN0022)	X1

Accessories

7.4V Lipo 2200mAh Battery	(SKU: FIT0137)
Mounting Kit	(SKU: FIT0225)
Jumper Wires 9" F/F	(SKU: FIT0030)
Magnet Micro USB Cable	(SKU: FIT0351-OE)

