Makeblock Walle

by **Makerworks** on July 2, 2013

Table of Contents

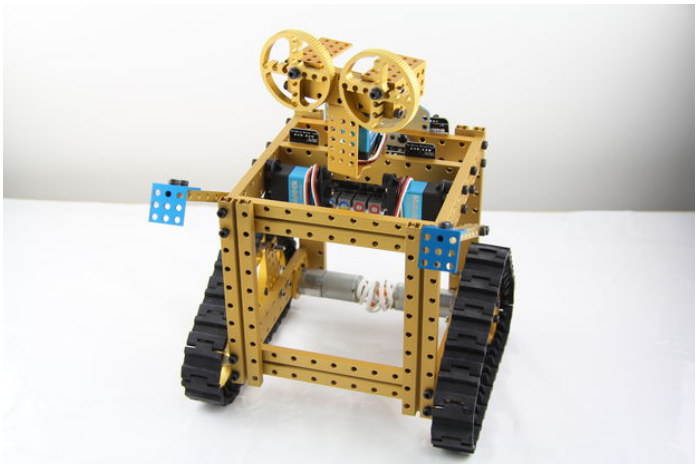
Intro: Makeblock Walle

The Makeblock Walle uses 2 DC motors, 3 servos, wheels, track, Arduino, and other Makeblock modules. It can move automaticly or controlled by an Android phone or an IR controller.

So far the robot can be controlled by an IR remote controller, and it can also be controlled by the Smartphone through the Bluetooth. The special application for Android Phone is in planning.

For more information, please visit Makeblock website listed below:
www.makeblock.cc

Getting Started
This instructable, Makeblock Walle, will show you the step-by-step instructions on how to build a Walle by Makeblock.
Now let's have some fun!



Step 1: Materials list

Materials List:
2 × Beam 0808-160
1 × Beam 0824-80
5 × Beam 0824-144
8 × Beam 0824-160
4 × Bracket 3×3
2 × Bracket 3×6
2 × Plate 3×6
1 × Servo Motor Bracket
1 × 25mm Motor Bracket
4 × Timing Pulley 90T
2 × Timing Pulley 66T
38 × Track
38 × Track Pin
2 × Shaft Connector 4mm
12 × Flange Bearing 4×8×3mm
4 × Threaded Shaft 4×31mm
4 × Shaft Collar 4mm
6 × Headless Screw M3×5
4 × Copper Stud M4-15
12 × Plastic Rivet R4120
4 × Plastic Rivet R3075
Plastic Ring
4 × Countersunk Screw M3×8
Screw M4×8
Screw M4×14
Screw M4×22
Nut M4

Electronic Modules List:
1 × Arduino
1 × Acrylic Arduino Bracket
1 × Me-BaseShield
1 × Battery Holder
1 × Acrylic Battery Bracket
3 × Servo Motor
2 × Me–Servo Driver
2 × DC Motor 25mm
2 × Wire

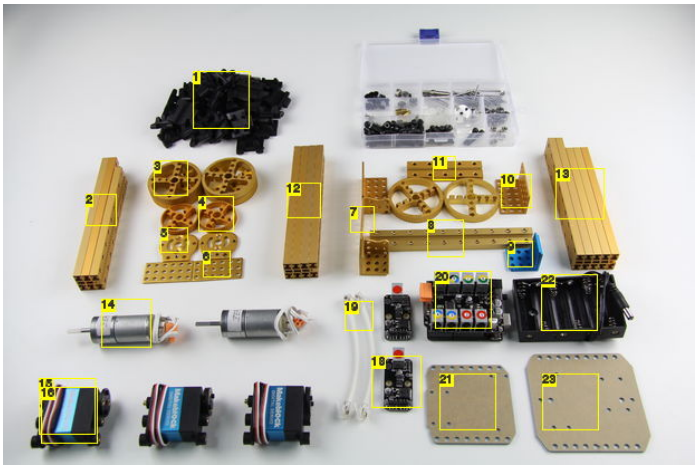


Image Notes
1. Track
2. Beam 0824
3. Timing Pulley 90T
4. Timing Pulley 66T
5. 25mm Motor Bracket
6. Plate 3×6
7. Servo Motor Bracket
8. Beam 0808-160
9. Bracket 3×3
10. Bracket 3×6
11. Beam 0824-80
12. Beam 0824-160
13. Beam 0824
14. DC Motor 25mm
15. Servo Motor
16. Servo Motor
17. Me–Servo Driver
18. Me–Servo Driver
19. Wire
20. Arduino & Me-BaseShield
21. Acrylic Arduino Bracket
22. Battery Holder
23. Acrylic Battery Bracket

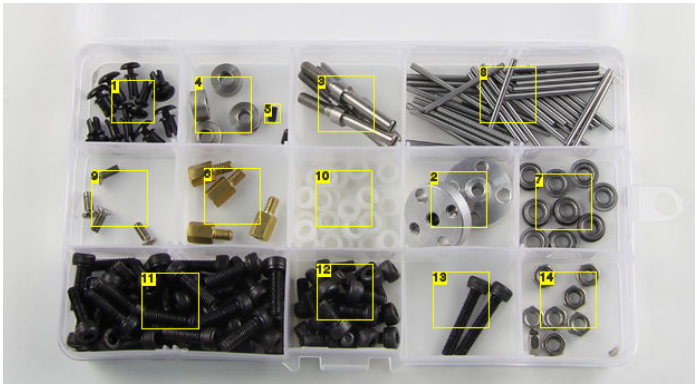


Image Notes
1. Plastic Rivet
2. Shaft Connector 4mm
3. Threaded Shaft 4×31mm
4. Shaft Collar 4mm
5. Headless Screw M3×5
6. Copper Stud M4-15
7. Flange Bearing 4×8×3mm
8. Track Pin
9. Countersunk Screw M3×8
10. Plastic Ring
11. Screw M4×14
12. Screw M4×8
13. Screw M4×22
14. Nut M4

Step 2: Tools

Tools
1.5mm Hexagonal Screwdriver
3mm Hexagonal Screwdriver
Cross Screwdriver
Pincer Pliers

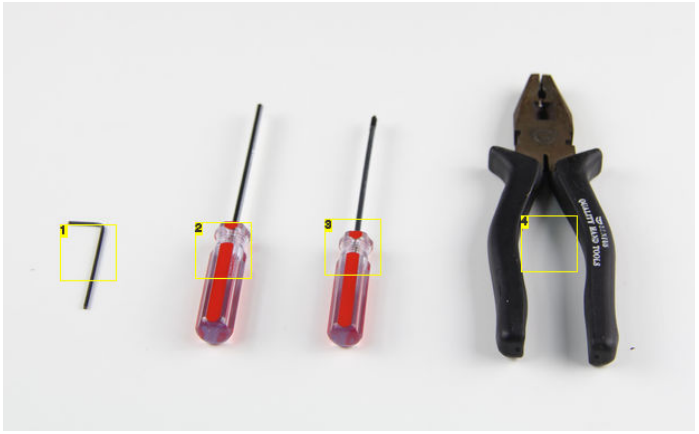


Image Notes
1. 1.5mm Hexagonal Screwdriver
2. 3mm Hexagonal Screwdriver
3. Cross Screwdriver
4. Pincer Pliers

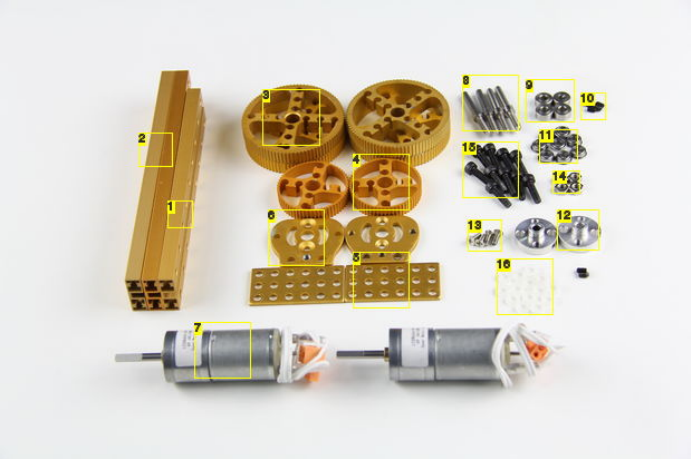
Step 3: Build the Chassis & Wheels

Materials List:

1 × Beam 0824-144
2 × Beam 0824-160
4 × Timing Pulley 90T
2 × Timing Pulley 66T
2 × Plate 3×6
2 × 25mm Motor Bracket
2 × DC Motor 25mm
4 × Threaded Shaft 4×31mm
4 × Shaft Collar 4mm
6 × Headless Screw M3×5
8 × Flange Bearing 4×8×3mm
2 × Shaft Connector 4mm
4 × Countersunk Screw M3×8
4 ×Nut M4
Screw M4×14
Plastic Ring

Procedure:

1. Insert the Threaded Shaft 4×31mm into 3 Plastic Rings.
2. Insert the Threaded Shaft 4×31mm with Plastic Rings into the Flange Bearing 4×8×3mm.
3. Install the Threaded Shaft 4×31mm with the Flange Bearing 4×8×3mm into the Timing Pulley 90T.
4. Turn over the Timing Pulley Slice 90T.
5. Insert the other Flange Bearing 4×8×3mm into the Timing Pulley 90T.
6. Put the Shaft Collar 4mm on the Threaded Shaft 4×31mm.
7. Insert a Headless Screw M3×5 into the Shaft Collar 4mm by a 1.5mm Hexagonal Screwdriver.
8. Install a Plastic Ring on the Threaded Shaft 4×31mm.
9. Build another 3 wheels as step 1 to step 8 discribe.
10. Install the 25mm Motor Bracket on the DC Motor 25mm.
11. Insert 2 Countersunk Screw M3×8 into the25mm Motor Bracket to install the DC Motor.
12. Insert the DC motor with Motor Bracket into the Beam 0824-160.
13. Insert a Screw M4×14 to install the DC motor on Beam 0824-160.
14. Install the Shaft Connector 4mm on the DC motor.
15. Insert a Headless Screw M3×5 into the Shaft Connector 4mm.
16. Bulid another DC motor holder as step 10 to step 15 discribe.
17. Install Beam 0824-144 on the DC motor holder by a Screw M4×14.
18. Install Beam 0824-144 on another DC motor by a Screw M4×14 to build the Chassis.



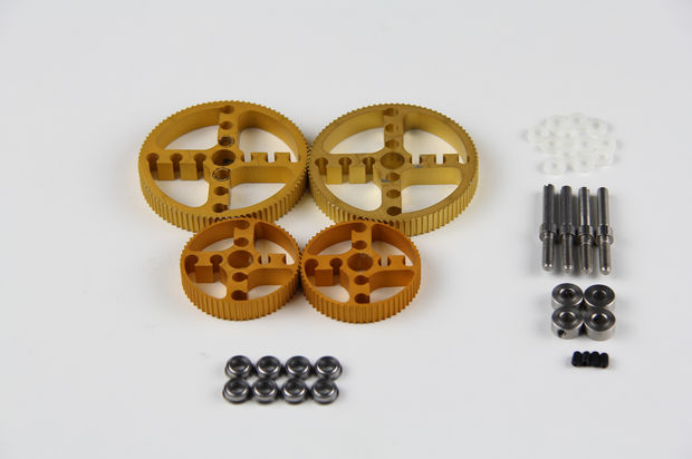


Image Notes

1. Beam 0824-144
2. Beam 0824-160
3. Timing Pulley 90T
4. Timing Pulley 66T
5. Plate 3×6
6. 25mm Motor Bracket
7. DC Motor 25mm
8. Threaded Shaft 4×31mm
9. Shaft Collar 4mm
10. Headless Screw M3×5
11. Flange Bearing 4×8×3mm
12. Shaft Connector 4mm
13. Countersunk Screw M3×8
14. Nut M4
15. Screw M4×14
16. Plastic Ring

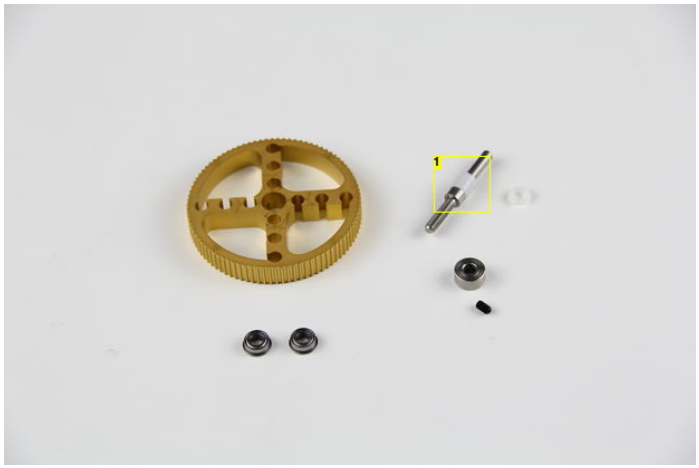


Image Notes
1. Step 1: Insert the Threaded Shaft 4×31mm into 3 Plastic Rings.

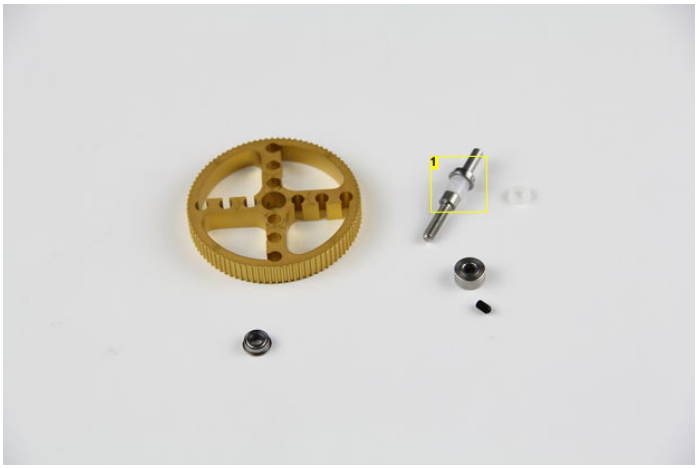


Image Notes
1. Step 2: Insert the Threaded Shaft 4×31mm with Plastic Rings into the Flange Bearing 4×8×3mm.

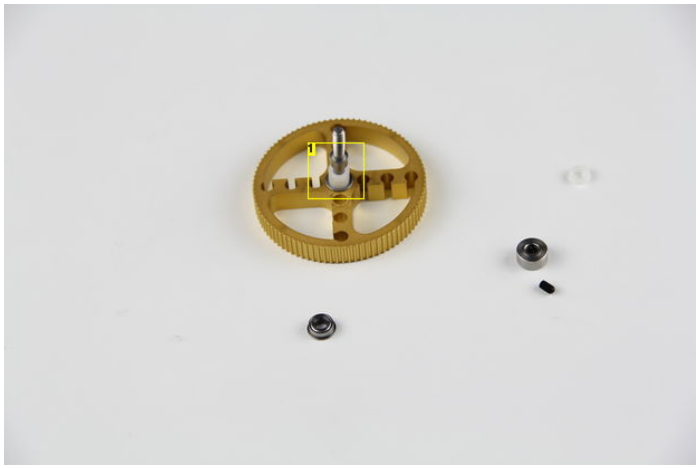


Image Notes
1. Step 3: Install the Threaded Shaft 4×31mm with the Flange Bearing 4×8×3mm into the Timing Pulley 90T.

Image Notes
1. Step 4: Turn over the Timing Pulley Slice 90T.

Image Notes
1. Step 5: Insert the other Flange Bearing 4×8×3mm into the Timing Pulley 90T.

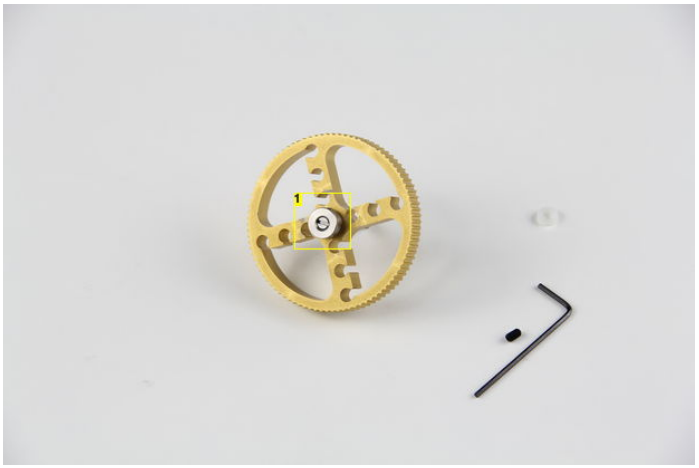


Image Notes
1. Step 6: Put the Shaft Collar 4mm on the Threaded Shaft 4×31mm.

Image Notes
1. Step 7: Insert a Headless Screw M3×5 into the Shaft Collar 4mm by a 1.5mm Hexagonal Screwdriver.

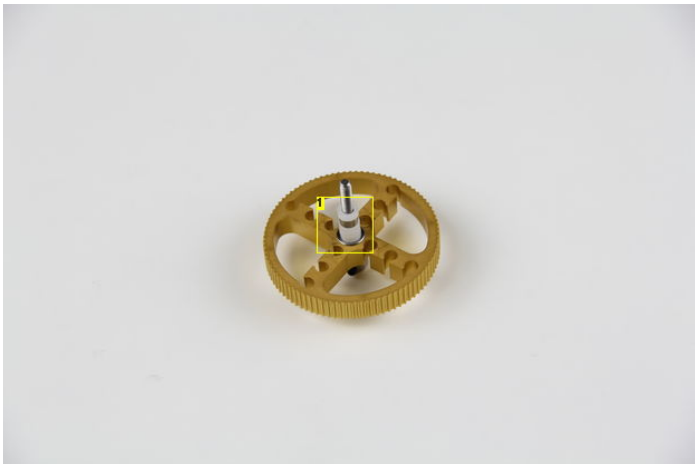


Image Notes
1. Step 8: Install a Plastic Ring on the Threaded Shaft 4×31mm.

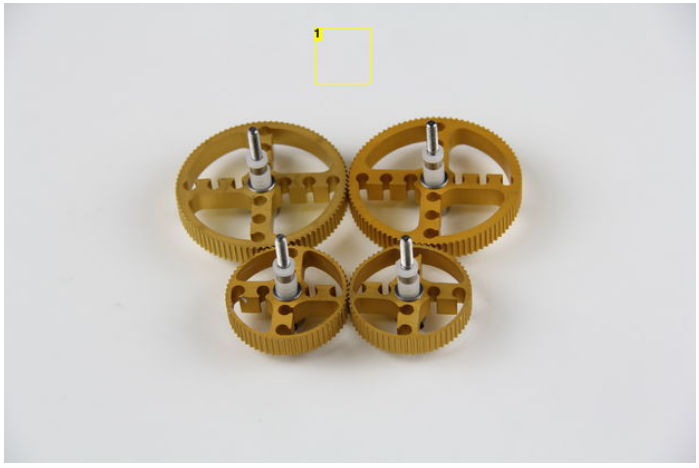
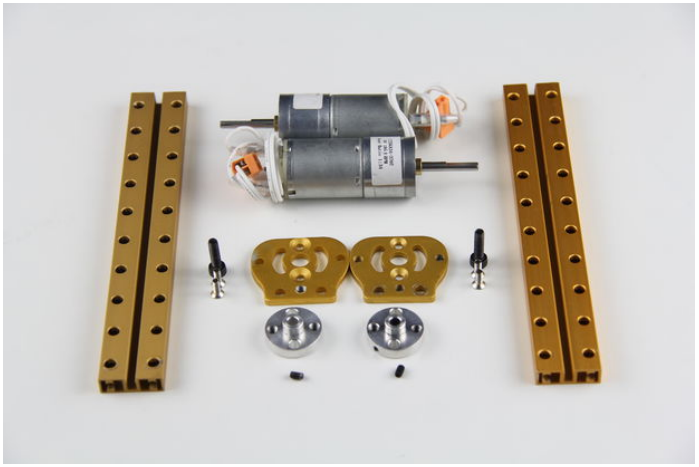
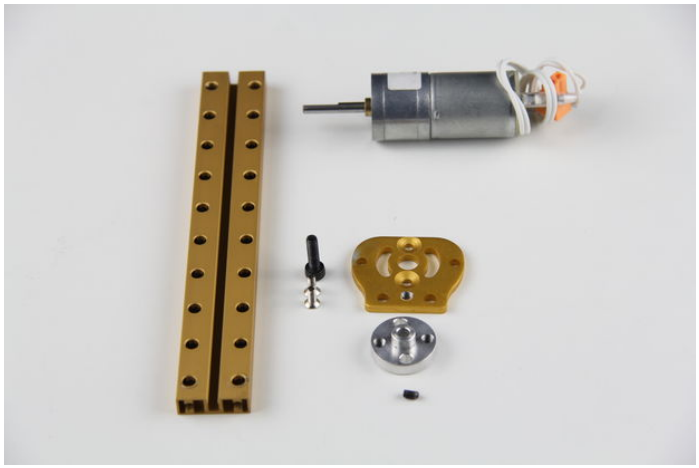


Image Notes
1. Step 9: Build another 3 wheels as step 1 to step 8 discribe.





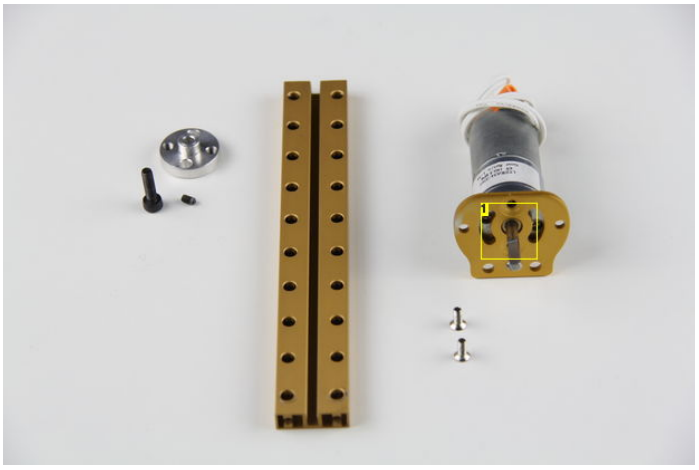


Image Notes
1. Step 10: Install the 25mm Motor Bracket on the DC Motor 25mm.

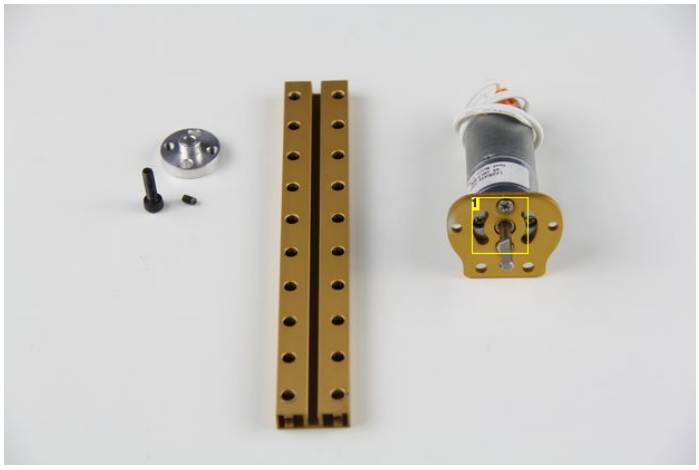


Image Notes
1. Step 11: Insert 2 Countersunk Screw M3×8 into the25mm Motor Bracket to install the DC Motor.

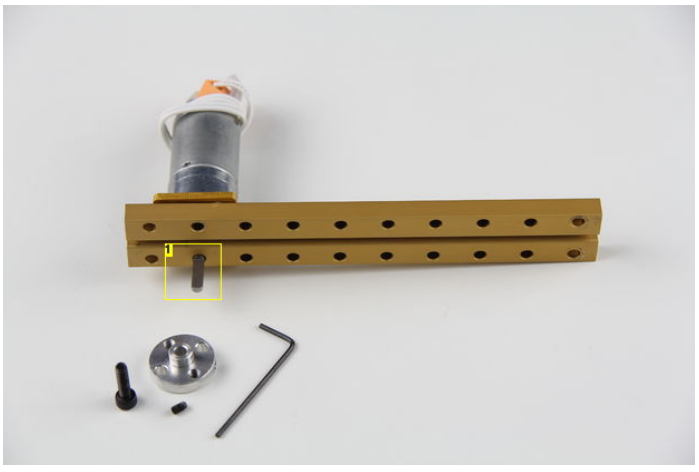


Image Notes
1. Step 12: Insert the DC motor with Motor Bracket into the Beam 0824-160.

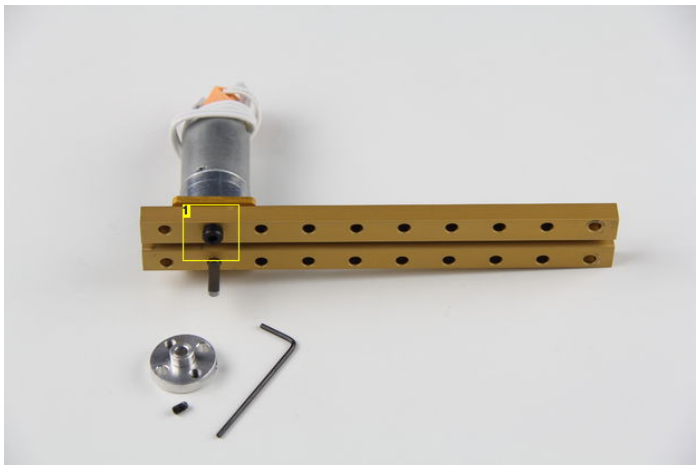


Image Notes
1. Step 13: Insert a Screw M4×14 to install the DC motor on Beam 0824-160.

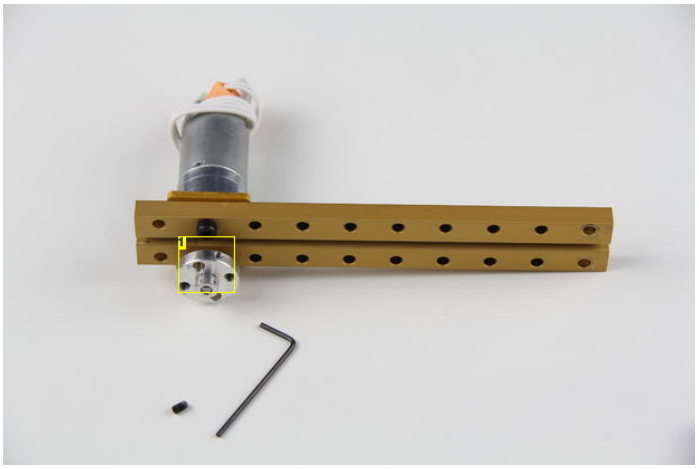


Image Notes
1. Step 14: Install the Shaft Connector 4mm on the DC motor.

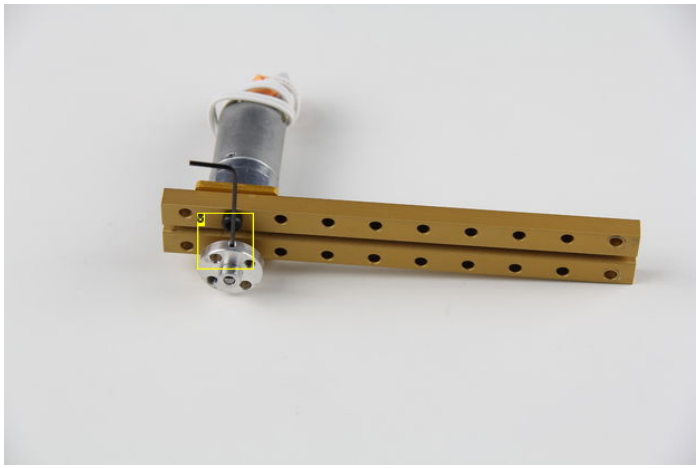
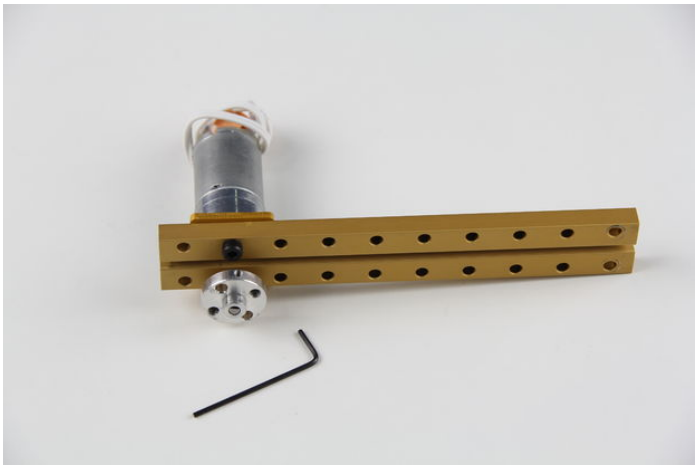


Image Notes
1. Step 15: Insert a Headless Screw M3×5 into the Shaft Connector 4mm.
2. Step 15: Insert a Headless Screw M3×5 into the Shaft Connector 4mm.
3. Step 15: Insert a Headless Screw M3×5 into the Shaft Connector 4mm.
4. Step 15: Insert a Headless Screw M3×5 into the Shaft Connector 4mm.
5. Step 15: Insert a Headless Screw M3×5 into the Shaft Connector 4mm.



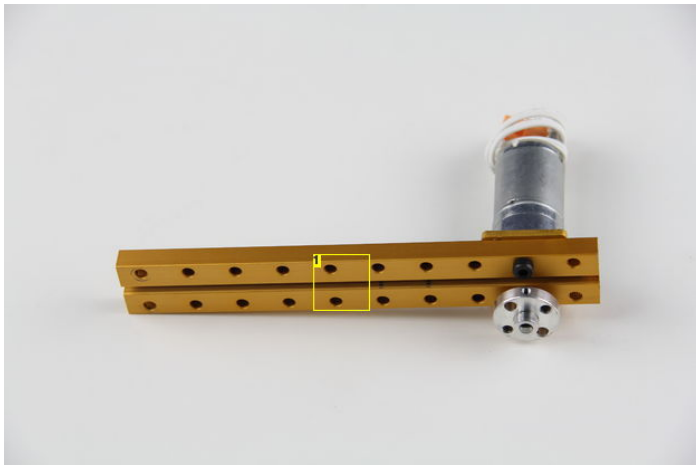
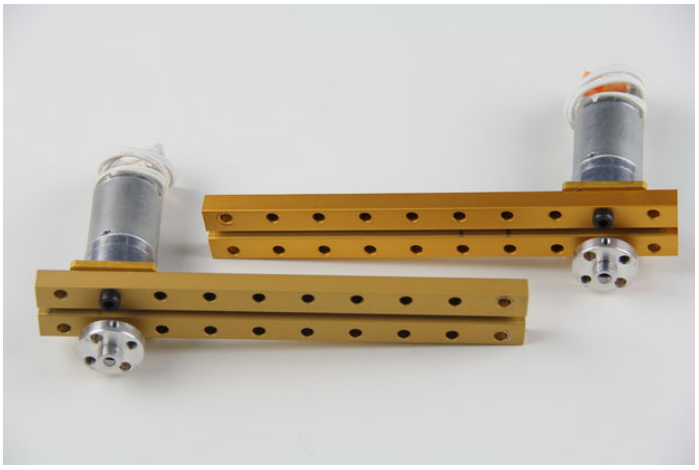
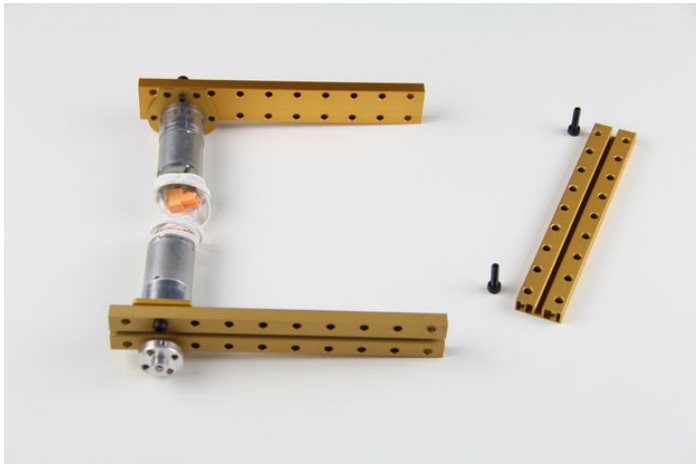
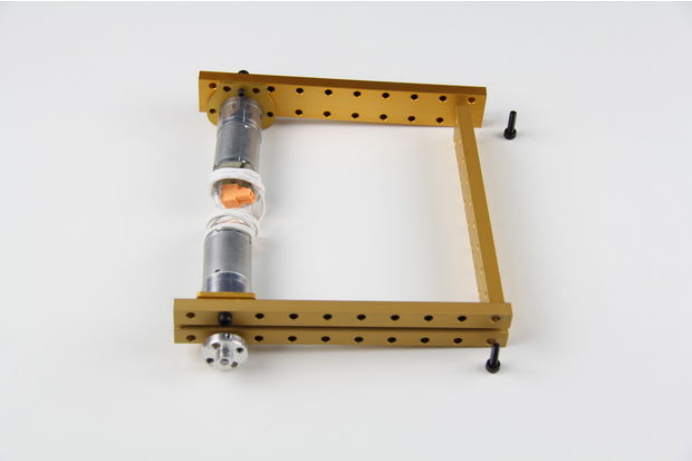


Image Notes
1. Step 16: Bulid another DC motor holder as step 10 to step 15 discribe.







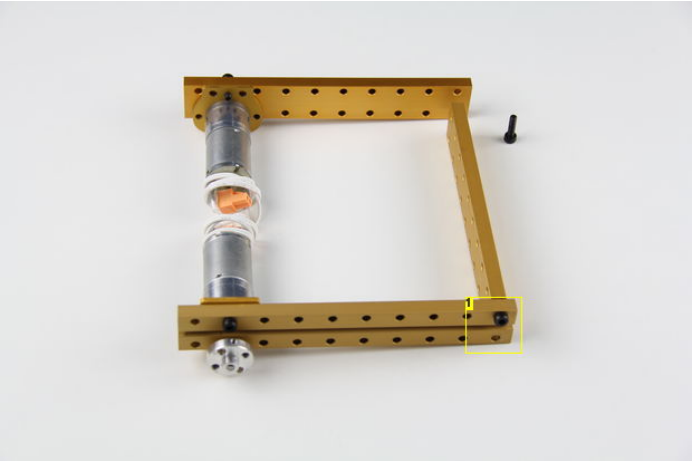


Image Notes
1. Step 17: Install Beam 0824-144 on the DC motor holder by a Screw M4×14.

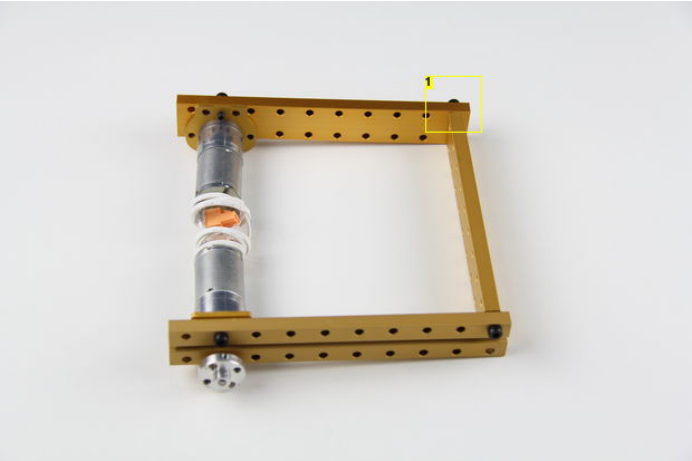
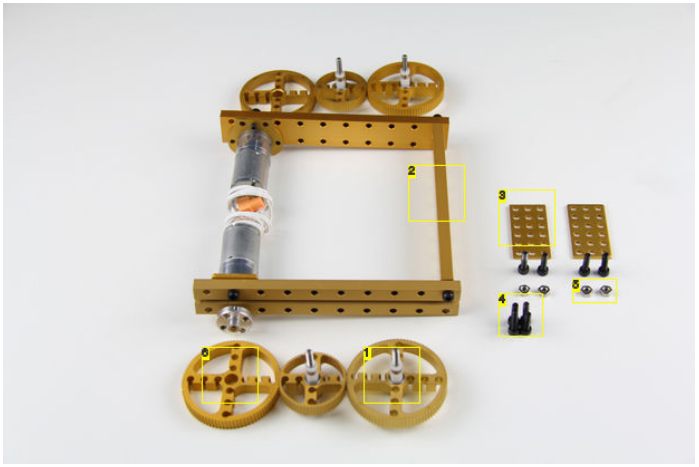


Image Notes
1. Step 18: Install Beam 0824-144 on another DC motor by a Screw M4×14 to build the Chassis.

Step 4: Attach the Wheels to the Chassis

Materials List:
DC motor holder
2 × Timing Pulley 90T Wheel
2 × Timing Pulley 66T Wheel
2 × Timing Pulley 90T
2 × Plate 3×6
8 × Screw M4×14
4 × Nut M4

Procedure:
1. Install a Plate 3×6 on the DC motor holder with 2 Screw M4×14.
2. Insert and tighten Nut M4 per screw.
3. Install another Plate 3×6.
4. Install a Timing Pulley 66T Wheel on the Plate 3×6.
5. Insert and tighten Nut M4 to the Timing Pulley 66T Wheel.
6. Install another Timing Pulley 66T Wheel.
7. Install a Timing Pulley 90T to the DC motor on the Shaft Connector 4mm.
8. Insert and tighten Nut M4 to the Timing Pulley 90T.
9. Install another Plate 3×6.
10. Install a Timing Pulley 90T Wheel on the DC motor holder.
11. Install another Timing Pulley 90T Wheel.



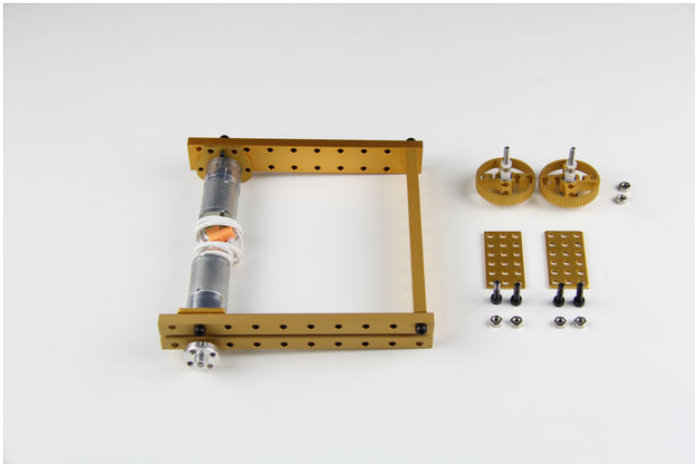


Image Notes
1. Timing Pulley 90T Wheel
2. DC motor holder
3. Plate 3×6
4. Screw M4×14
5. Nut M4
6. Timing Pulley 90T

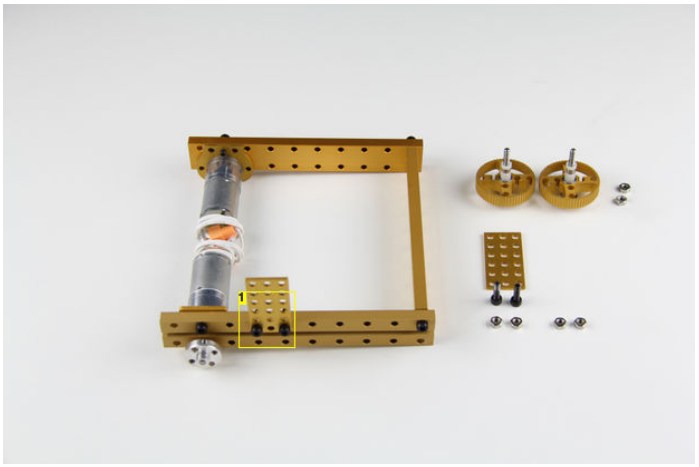


Image Notes
1. Step 1: Install a Plate 3×6 on the DC motor holder with 2 Screw M4×14.

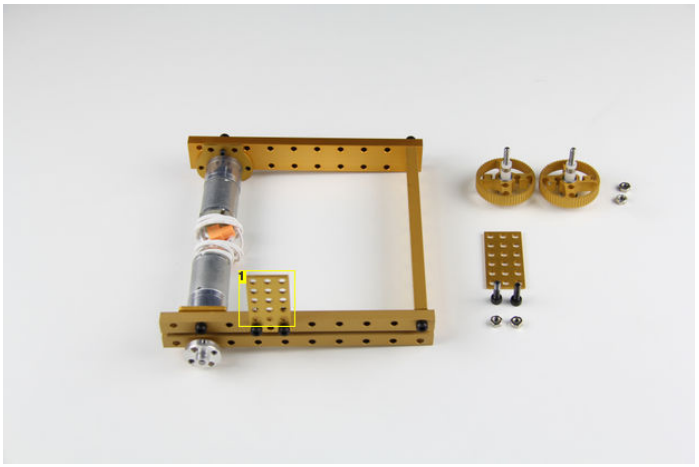


Image Notes
1. Step 2: Insert and tighten Nut M4 per screw.

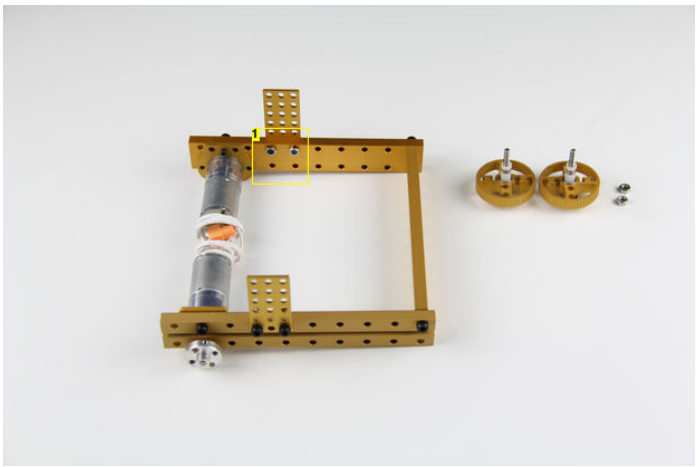


Image Notes
1. Step 3: Install another Plate 3×6.

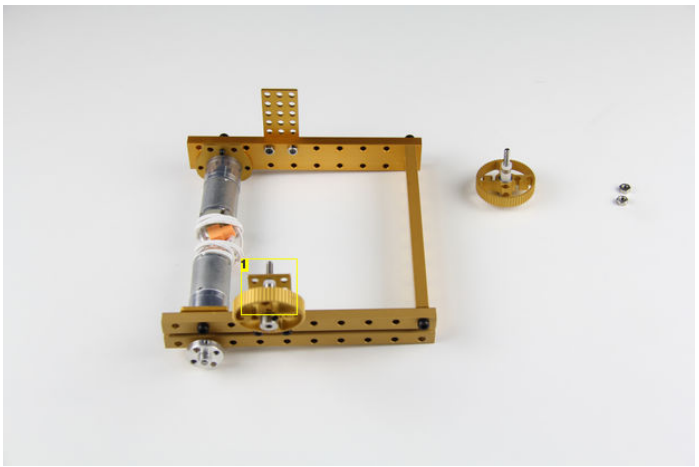


Image Notes
1. Step 4: Install a Timing Pulley 66T Wheel on the Plate 3×6.

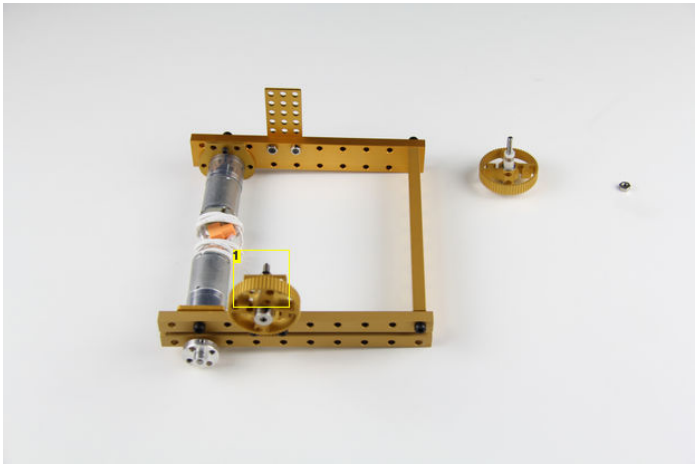


Image Notes
1. Step 5: Insert and tighten Nut M4 to the Timing Pulley 66T Wheel.

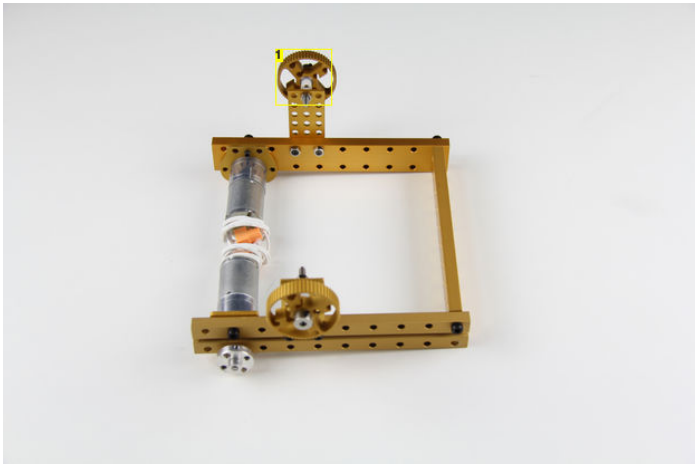
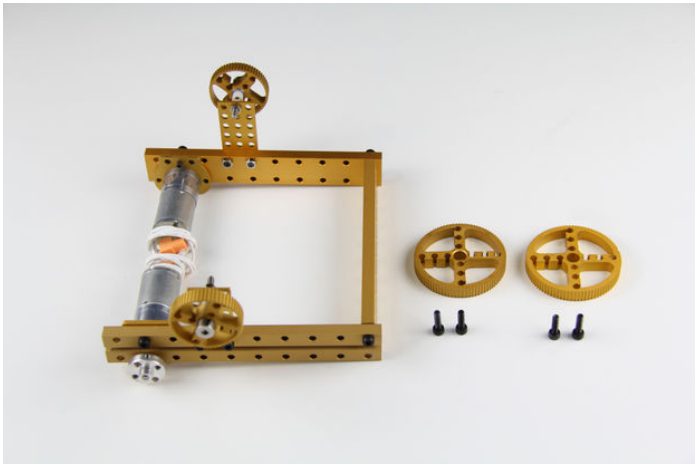


Image Notes
1. Step 6: Install another Timing Pulley 66T Wheel.



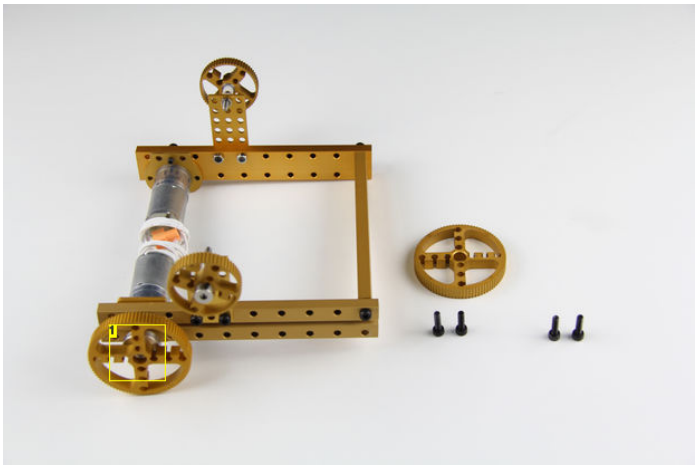


Image Notes
1. Step 7: Install a Timing Pulley 90T to the DC motor on the Shaft Connector 4mm.

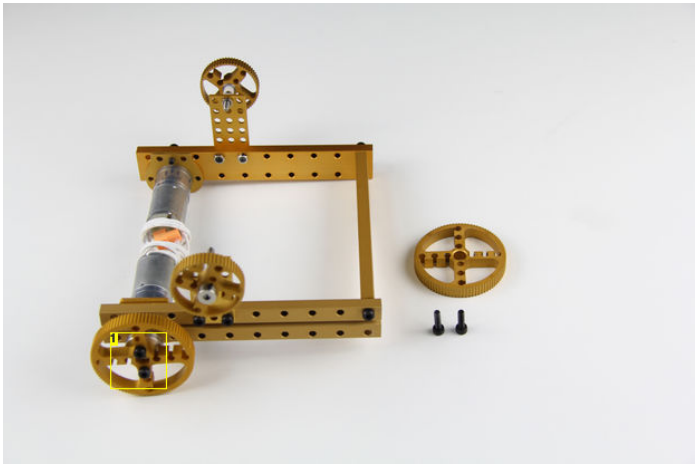


Image Notes
1. Step 8: Insert and tighten Nut M4 to the Timing Pulley 90T.

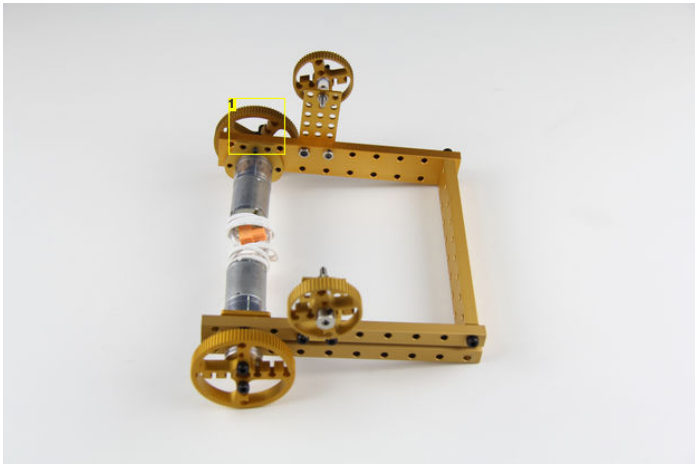
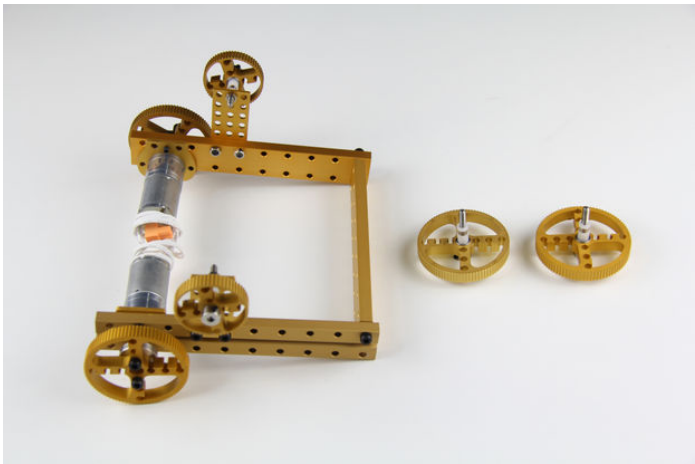


Image Notes
1. Step 9: Install another 3. Install another Plate 3×6.



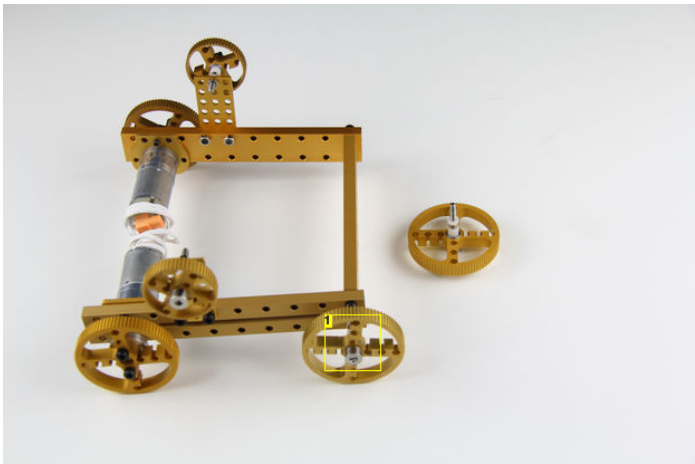


Image Notes
1. Step 10: Install a Timing Pulley 90T Wheel on the DC motor holder.

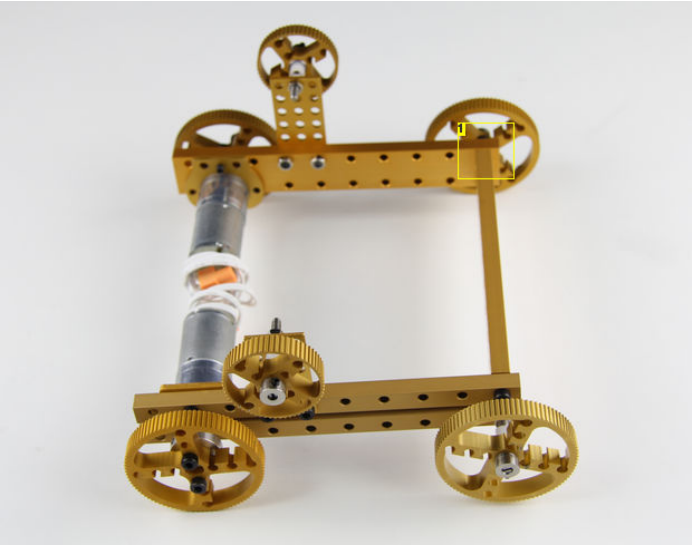


Image Notes
1. Step 11: Install another Timing Pulley 90T Wheel.

Step 5: Build the Head of Walle

Materials Listï¼š
1 × Beam 0824-80
2 × Timing Pulley 90T
2 × Bracket 3×6
1 × Servo Motor Bracket
2 × Bracket 3×3
2 × Flange Bearing 4×8×3mm
1 × Servo Motor
7 × Screw M4×8
7 × Screw M4×14
2 × Nut M4

Procedure:
1. Insert the Flange Bearing 4×8×3mm per Timing Pulley 90T.
2. Put the Timing Pulley 90T with Flange Bearing 4×8×3mm on Beam 0824-80.
3. Insert the Screw M4×14 per Timing Pulley 90T.
4. Turn over the Timing Pulley 90T and Beam 0824-80.
5. Insert and tighten Nut M4 per screw.
6. Install a Bracket 3×6 on Beam 0824-80 by 2 Screw M4×8.
7. Install another Bracket 3×6.
8. Install the Servo Motor Bracket on the Servo Motor.
9. Install a Bracket 3×3 on the Servo Motor by 2 Screw M4×8.
10. Install another Bracket 3×3 on the Servo Motor Bracket by 2 Screw M4×8.
11. Put the Servo Motor and Bracket on Beam 0824-80.
12. Insert and tighten 2 Screw M4×8 to install the servo on Beam 0824-80.

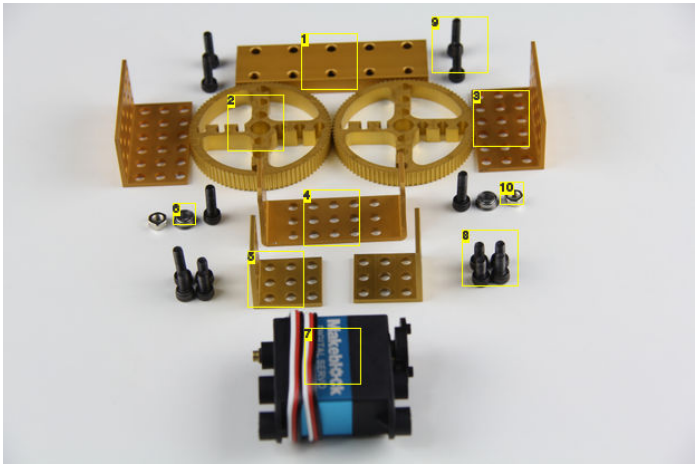


Image Notes
1. Beam 0824-80
2. Timing Pulley 90T
3. Bracket 3×6
4. Servo Motor Bracket
5. Bracket 3×3
6. Flange Bearing 4×8×3mm
7. Servo Motor
8. Screw M4×8
9. Screw M4×14
10. Nut M4

Image Notes
1. Step 1: Insert the Flange Bearing 4×8×3mm per Timing Pulley 90T.

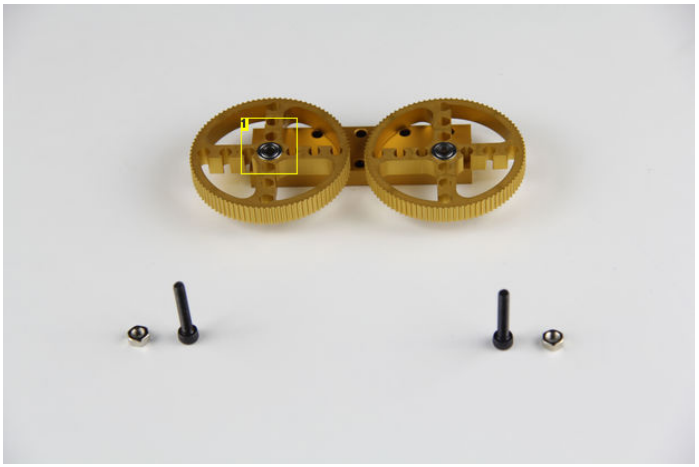


Image Notes
1. Step 2: Put the Timing Pulley 90T with Flange Bearing 4×8×3mm on Beam 0824-80.

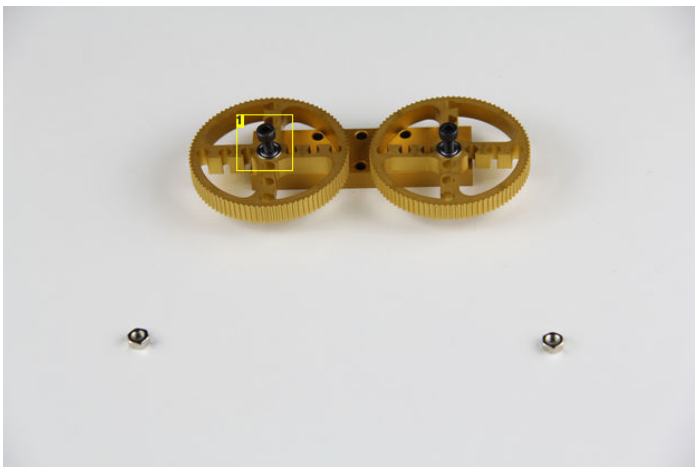


Image Notes
1. Step 3: Insert the Screw M4×14 per Timing Pulley 90T.

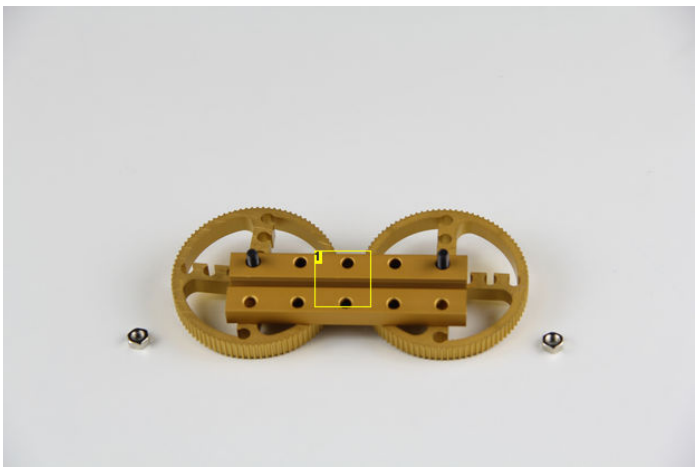
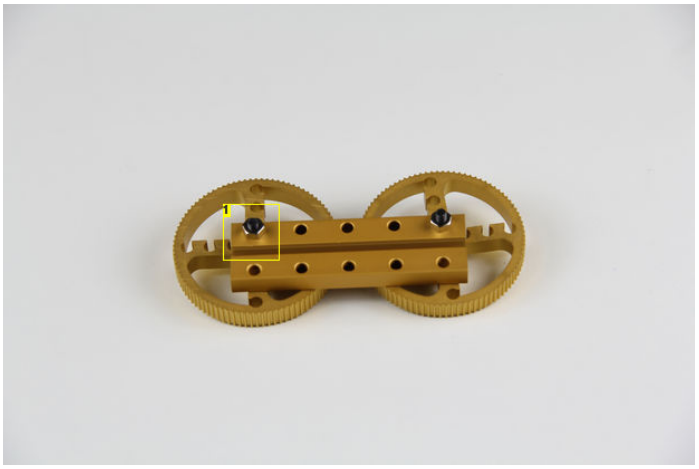


Image Notes
1. Step 4: Turn over the Timing Pulley 90T and Beam 0824-80.



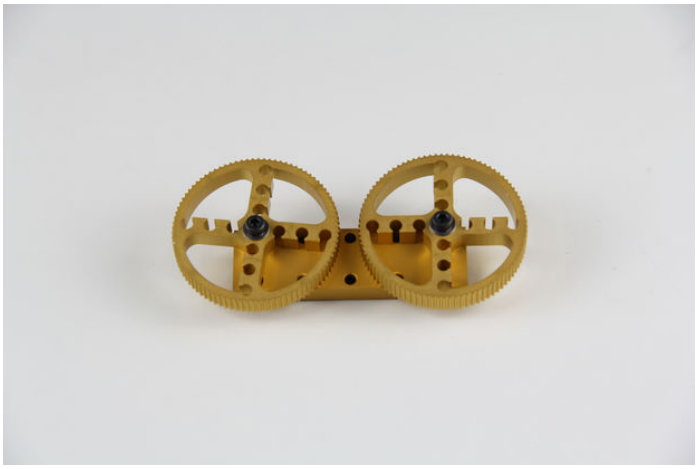
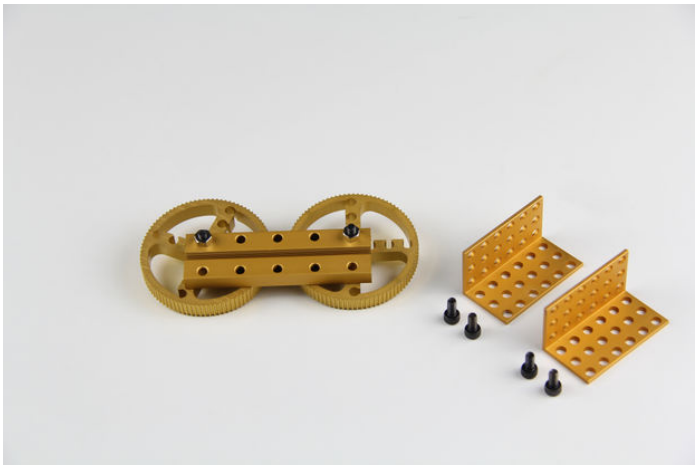


Image Notes
1. Step 5: Insert and tighten Nut M4 per screw.



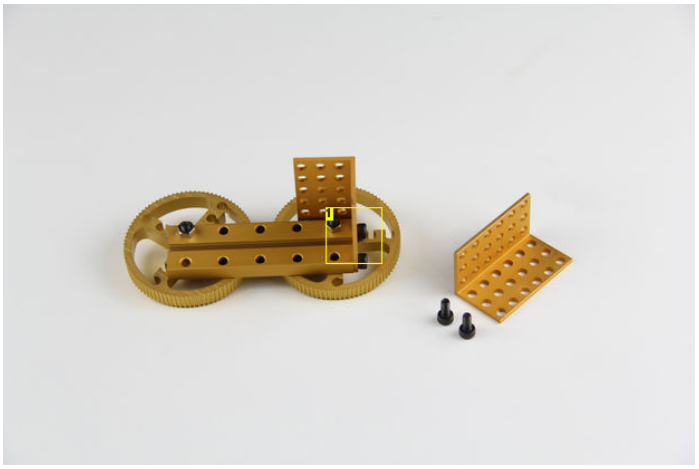


Image Notes
1. Step 6: Install a Bracket 3×6 on Beam 0824-80 by 2 Screw M4×8.

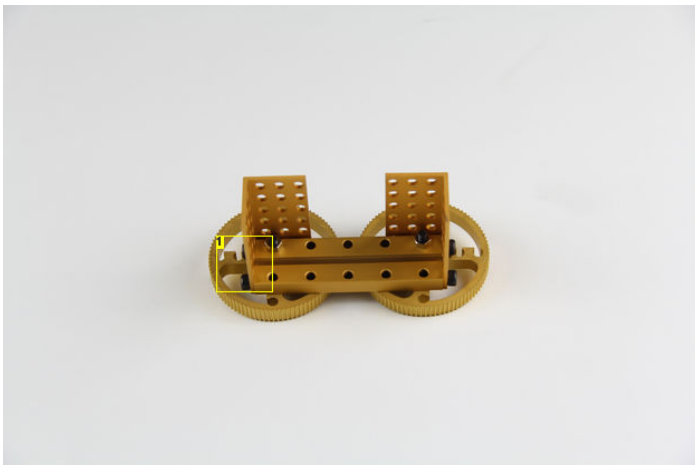


Image Notes
1. Step 7: Install another Bracket 3×6.

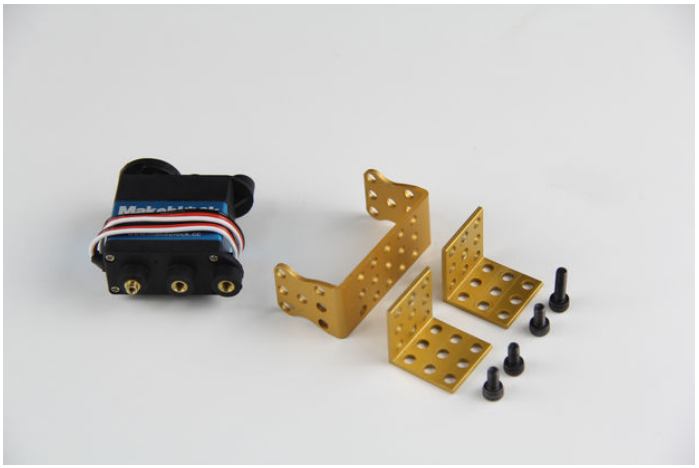


Image Notes
1. Step 8: Install the Servo Motor Bracket on the Servo Motor.

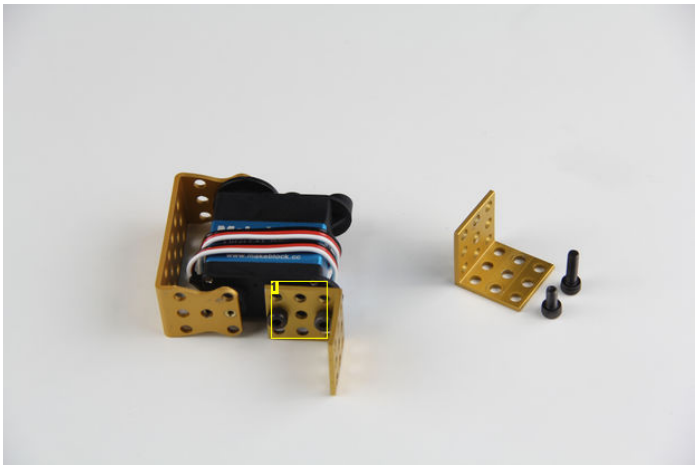
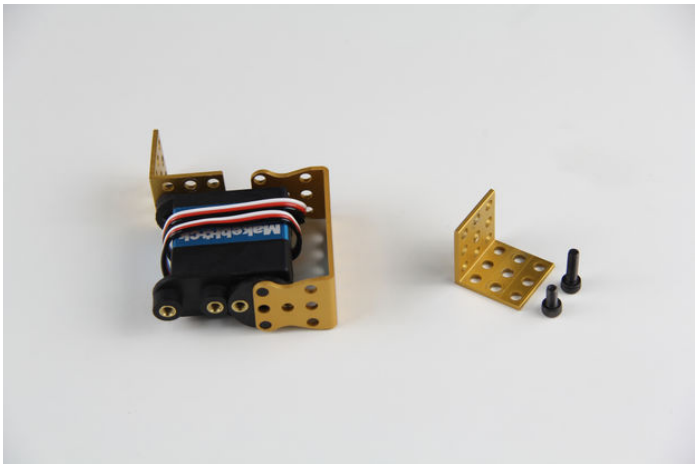
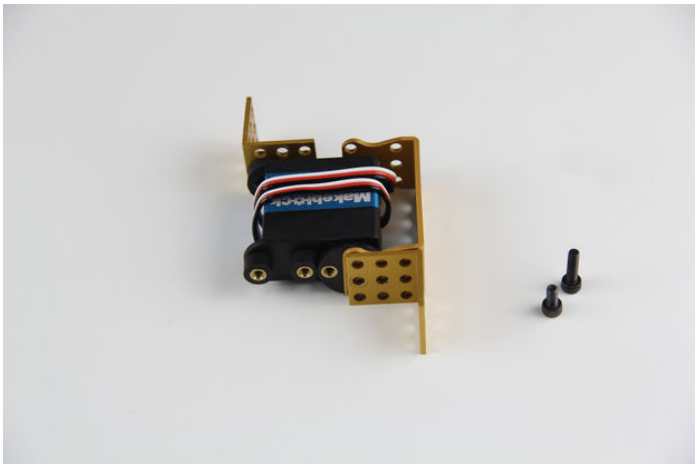
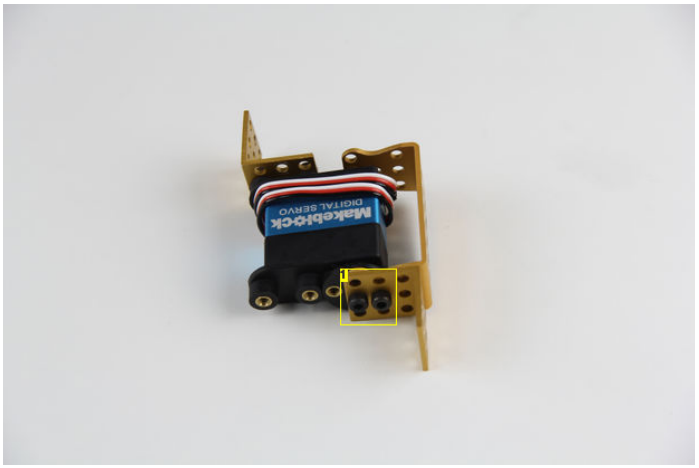


Image Notes
1. Step 9: Install a Bracket 3×3 on the Servo Motor by 2 Screw M4×8.







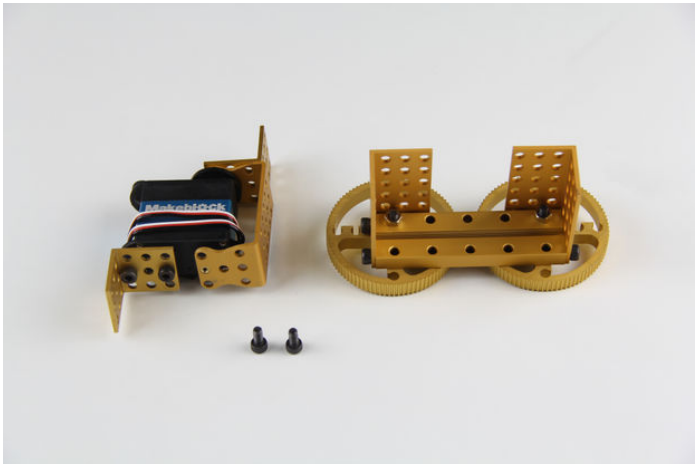


Image Notes
1. Step 10: Install another Bracket 3×3 on the Servo Motor Bracket by 2 Screw M4×8.

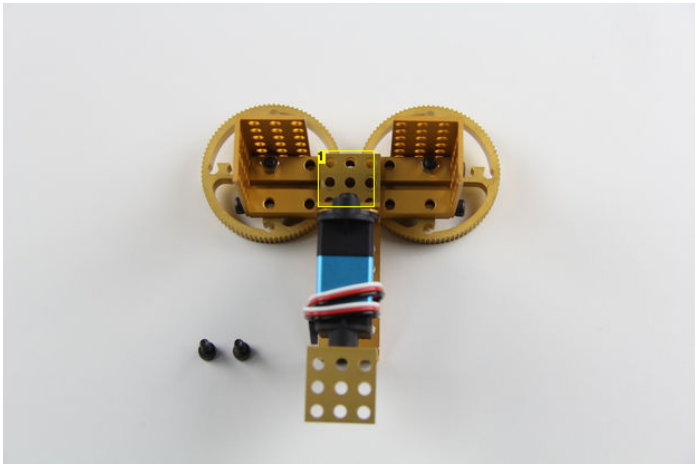


Image Notes
1. Step 11: Put the Servo Motor and Bracket on Beam 0824-80.

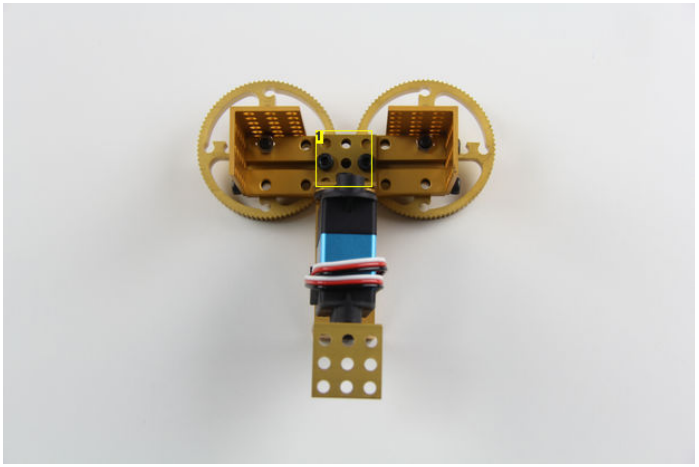
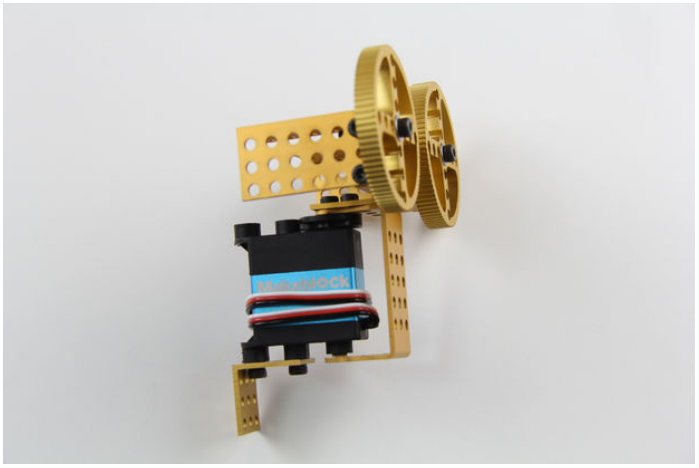
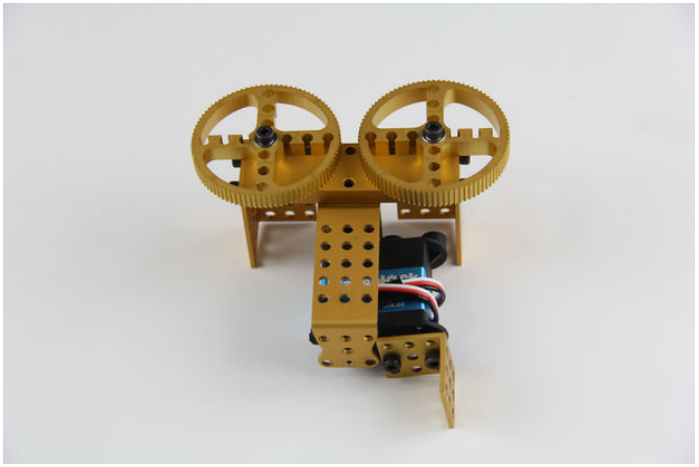


Image Notes
1. Step 12: Insert and tighten 2 Screw M4×8 to install the servo on Beam 0824-80.





Step 6: Build the Body of Walle

Materials Listï¼š
2 × Beam 0824-144
2 × Beam 0824-160
2 × Servo Motor
2 × Me-Servo Driver
12 × Screw M4×14
4 × Screw M4×8

Procedure:
1. Install the Servo Motor on 0824-160 by 4 Screw M4×14 to build 2 servo holder.
2. Install a servo holder on Beam 0824-144 by 2 Screw M4×14.
3. Install anothor servo holder on Beam 0824-144 by 2 Screw M4×14.
4. Install a Beam 0824-144 on the servo holder by 2 Screw M4×14.
5. Install the Beam 0824-144 on another servo holder by 2 Screw M4×14.
6. Install a Me-Servo Driver on Beam 0824-144 by 2 Screw M4×8.
7. Install another Me-Servo Driver on Beam 0824-144 by 2 Screw M4×8.

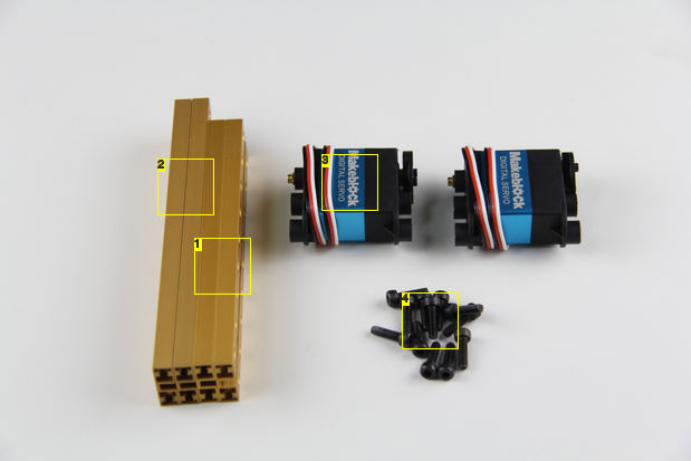
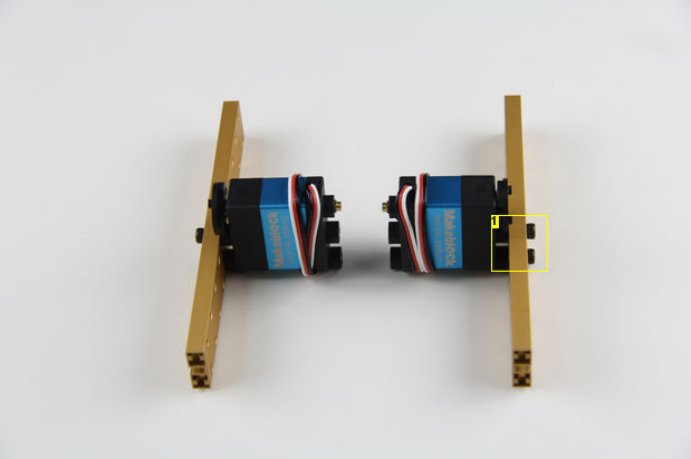


Image Notes
1. Beam 0824-144
2. Beam 0824-160
3. Servo Motor
4. Screw M4×14



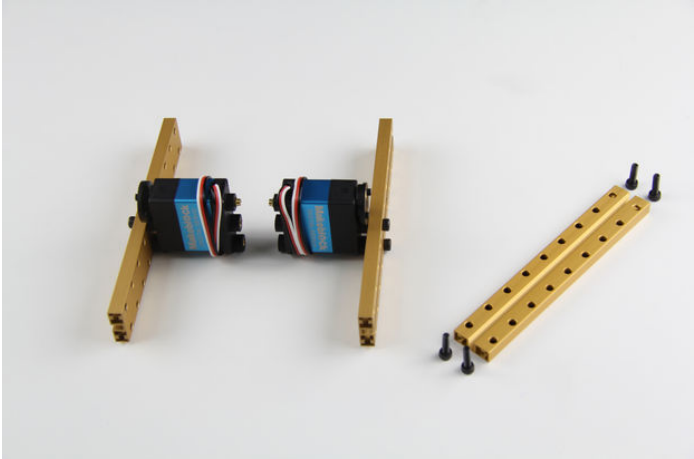
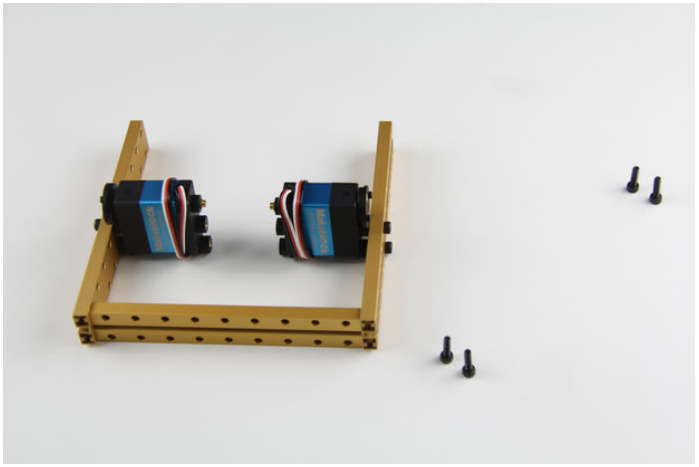


Image Notes
1. Step 1: Install the Servo Motor on 0824-160 by Screw M4×14.



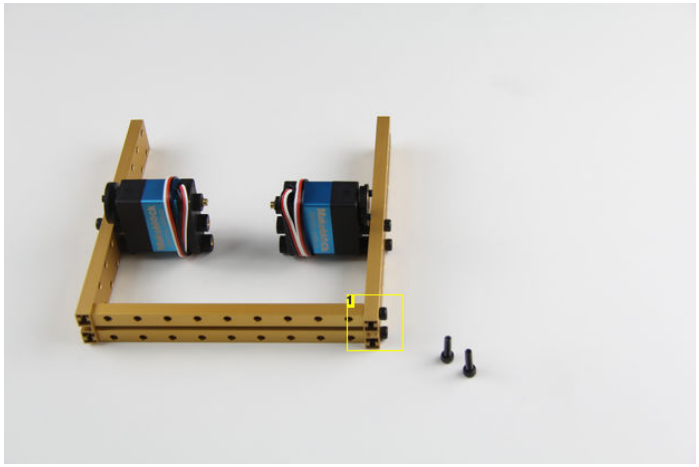
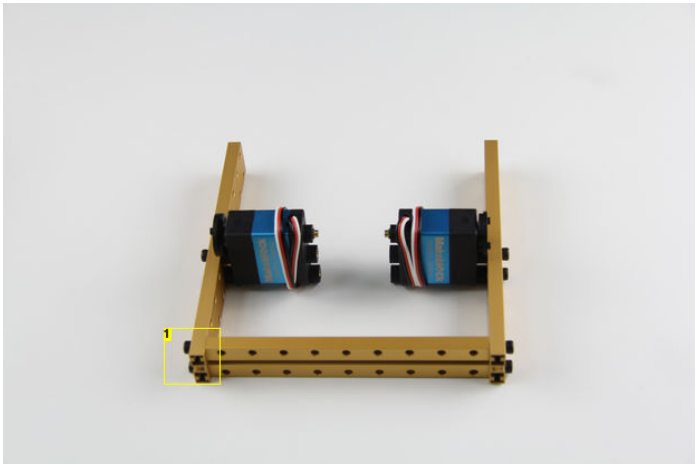


Image Notes
1. Step 2: Install a servo holder on Beam 0824-144 by 2 Screw M4×14.



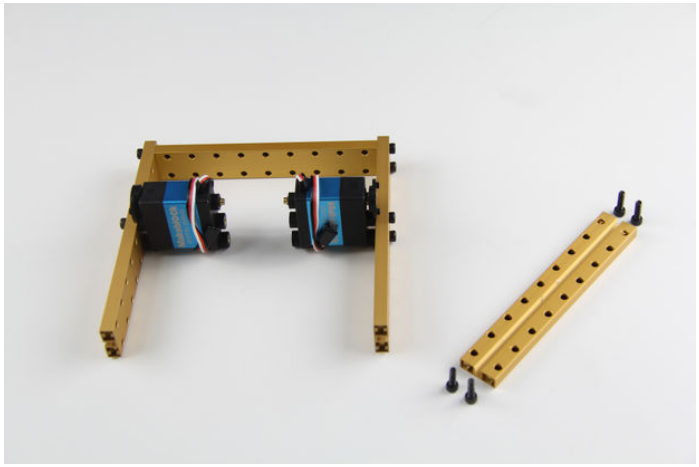
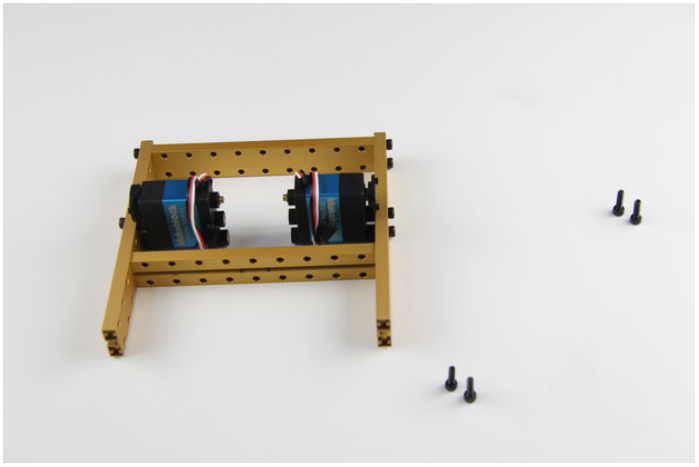


Image Notes
1. Step 3: Install anothor servo holder on Beam 0824-144 by 2 Screw M4×14.



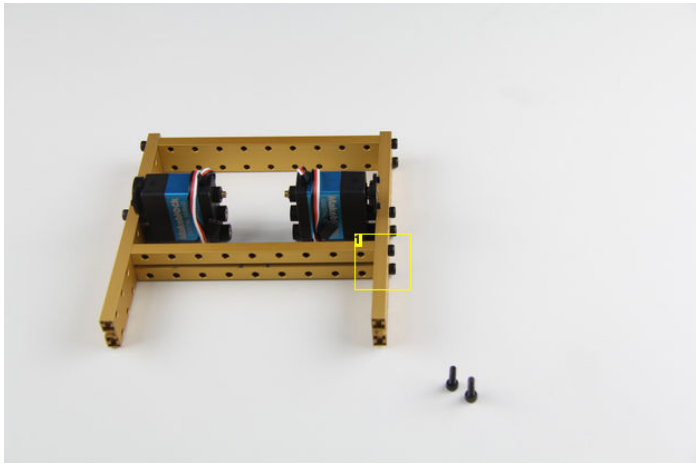
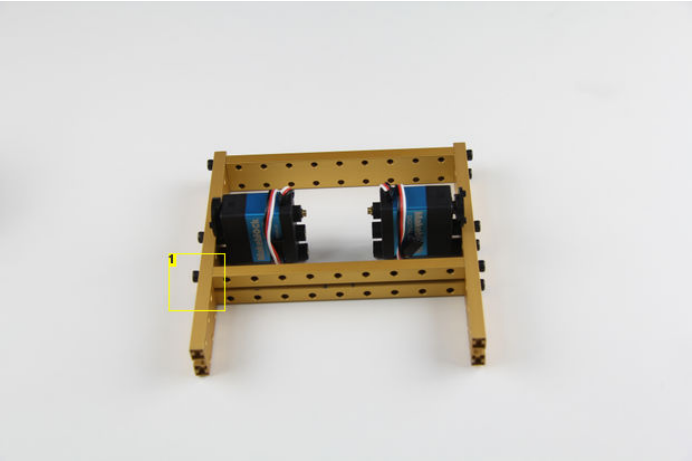


Image Notes
1. Step 4: Install a Beam 0824-144 on the servo holder by 2 Screw M4×14.



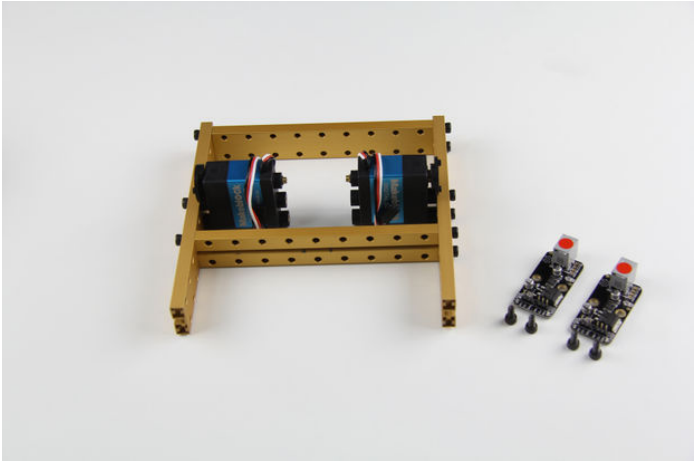


Image Notes
1. Step 5: Install the Beam 0824-144 on another servo holder by 2 Screw M4×14.

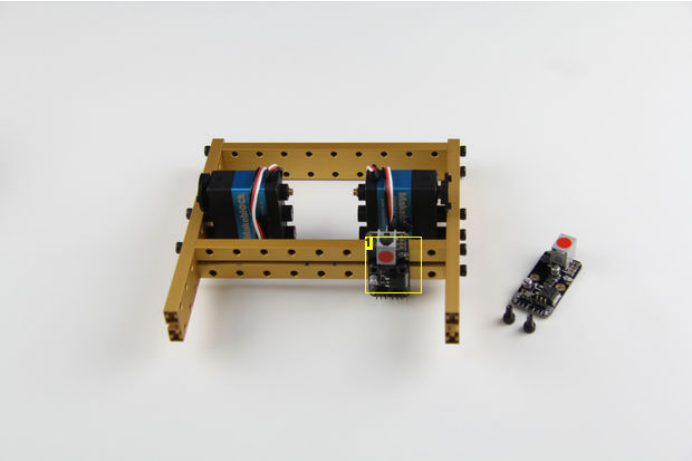


Image Notes
1. Step 6: Install a Me-Servo Driver on Beam 0824-144 by 2 Screw M4×8.

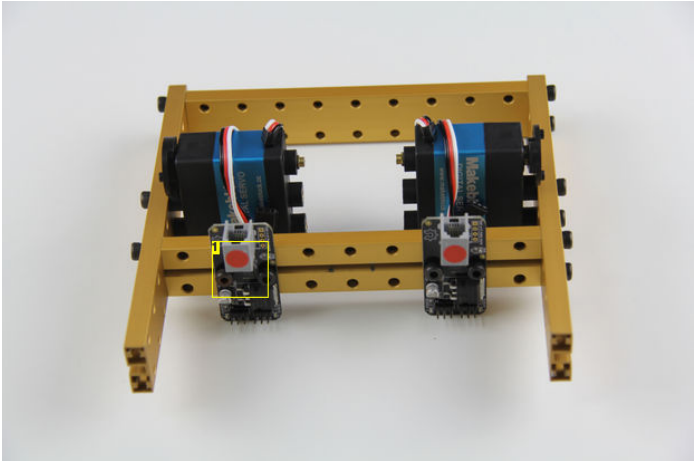


Image Notes
1. Step 7: Install another Me-Servo Driver on Beam 0824-144 by 2 Screw M4×8.

Step 7: Add the Head to the Body

Materials List:
2 × Screw M4×8

Procedure:
1. Install the Head on the Body by 2 Screw M4×8.

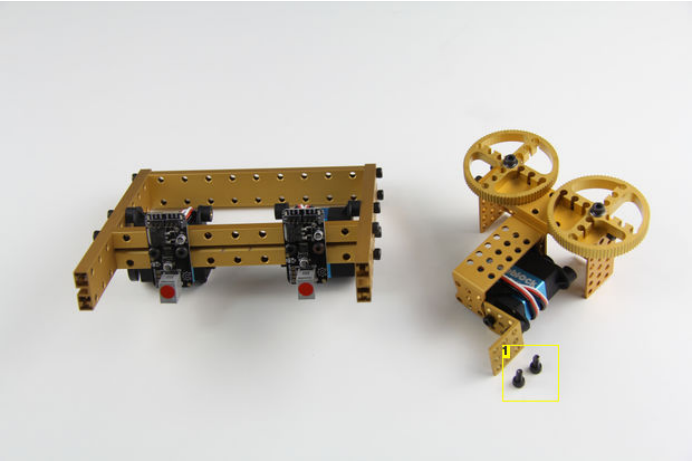


Image Notes
1. 2 × Screw M4×8

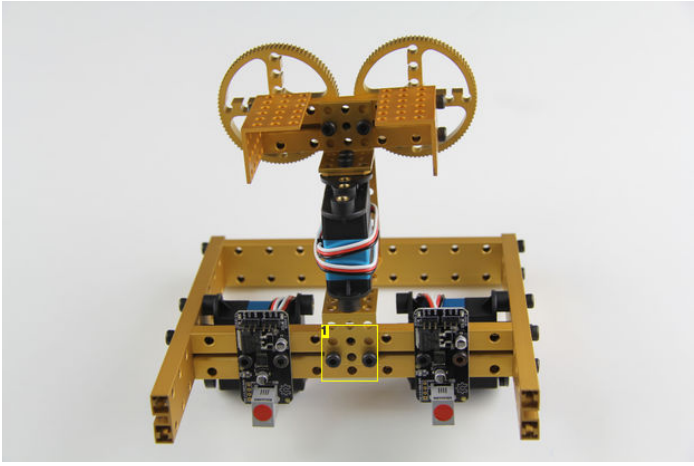


Image Notes
1. Step 1: Install the Head on the Body by 2 Screw M4×8.

Step 8: Attach Arduino and Battery Holder to Beam 0824-144

Materials Listï¼š

1 × Beam 0824-144
1 × Arduino
1 × Acrylic Arduino Bracket
1 × Me-BaseShield
1 × Battery Holder
1 × Acrylic Battery Bracket
4 × Plastic Rivet R4060

Procedure:

1. Put the Battery Holde with Acrylic Battery Bracket on Beam 0824-144.
2. Insert 2 Plastic Rivet R4060 to install the Battery Holde with Acrylic Battery Bracket on Beam 0824-144.
3. Put the Arduino with Acrylic Arduino Bracket and Me-BaseShield on Beam 0824-144.
4. Insert 2 Plastic Rivet R4060 to install the Arduino with Acrylic Arduino Bracket and Me-BaseShield on Beam 0824-144.

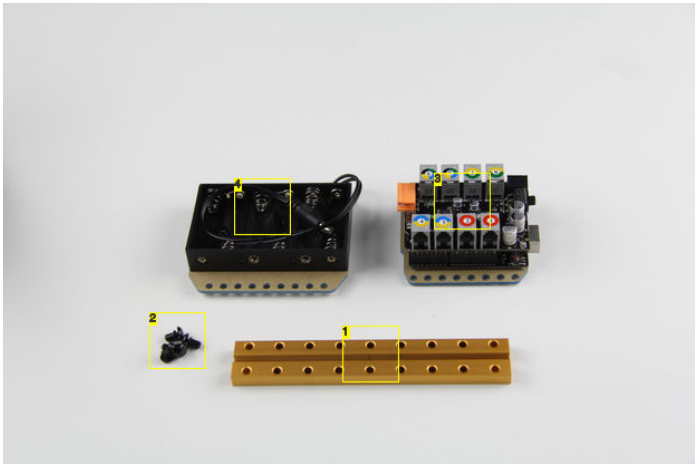


Image Notes
1. Beam 0824-144
2. Plastic Rivet R4060
3. Arduino, Me-BaseShield & Acrylic Arduino Bracket
4. Battery Holder & Acrylic Battery Bracket

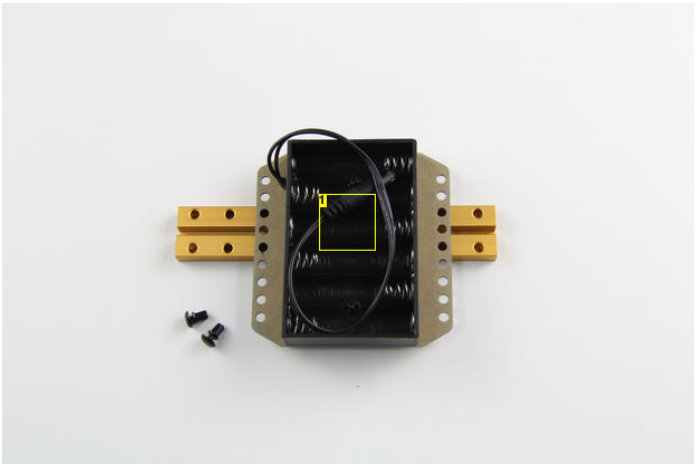


Image Notes
1. Step 1: Put the Battery Holde with Acrylic Battery Bracket on Beam 0824-144.

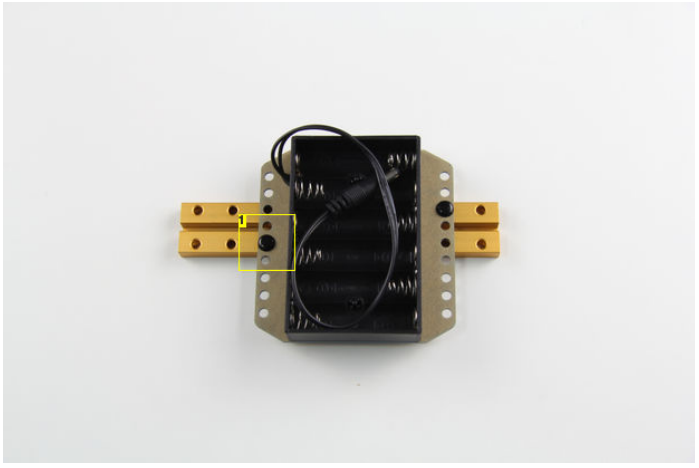


Image Notes
1. Step 2: Insert 2 Plastic Rivet R4060 to install the Battery Holde with Acrylic Battery Bracket on Beam 0824-144.

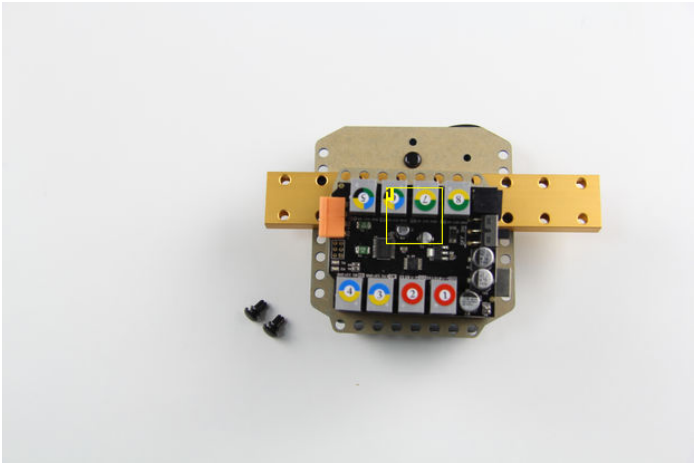


Image Notes
1. Step 3: Put the Arduino with Acrylic Arduino Bracket and Me-BaseShield on Beam 0824-144.

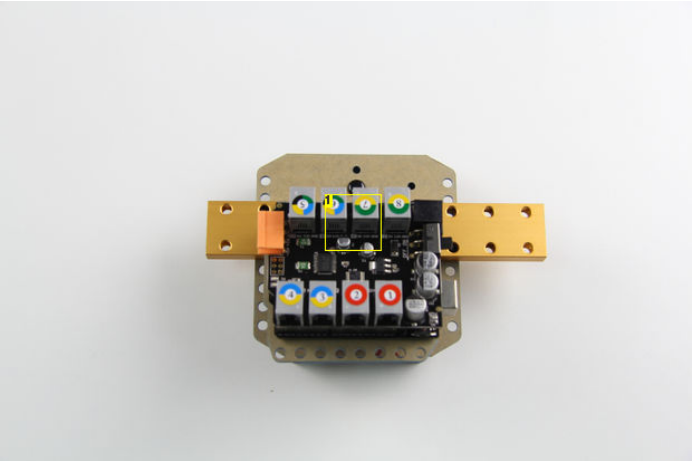


Image Notes
1. Step 4: Insert 2 Plastic Rivet R4060 to install the Arduino with Acrylic Arduino Bracket and Me-BaseShield on Beam 0824-144.

Step 9: Add Arduino and Battery Holder to the Body

Materials List:
4 × Screw M4×14

Procedure:
1. Install the Arduino and Battery on the Body by 4 Screw M4×14.

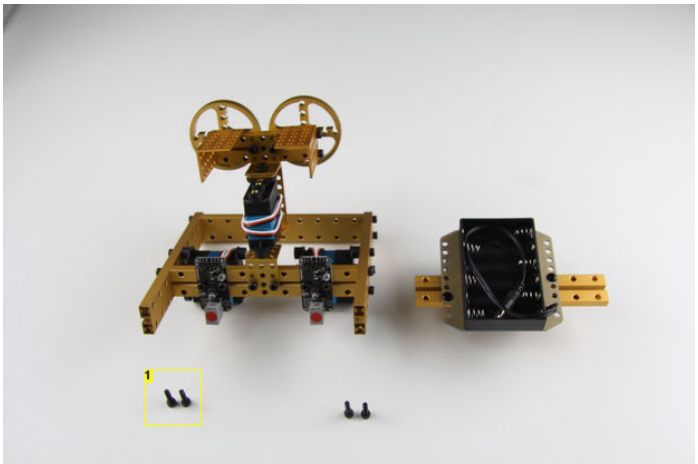


Image Notes
1. Screw M4×14

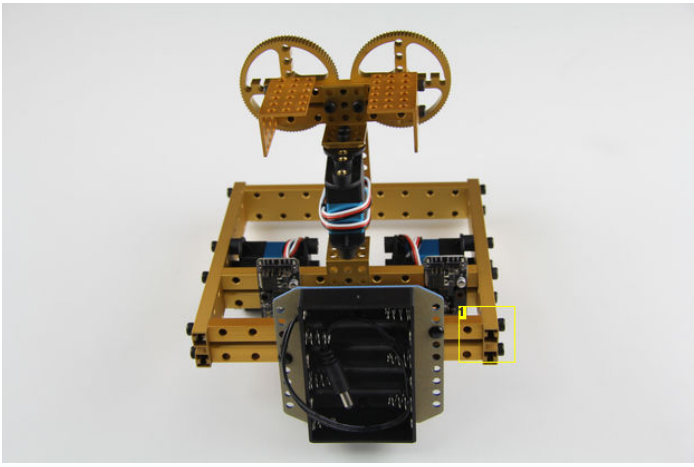
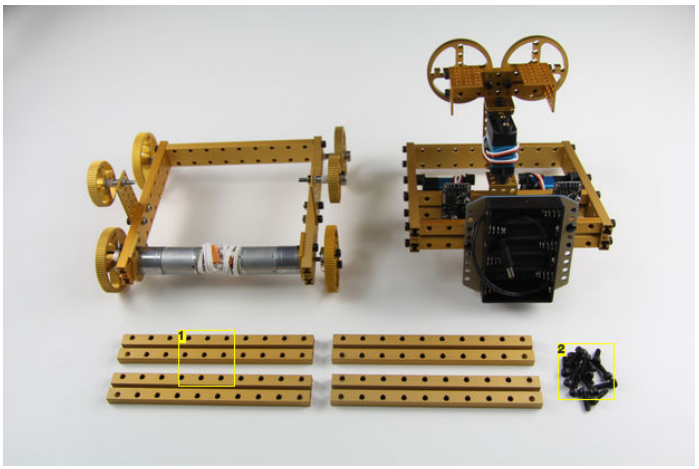


Image Notes
1. Step 1: Install the Arduino and Battery on the Body by 4 Screw M4×14.

Step 10: Add the Chassis to the Body

Materials List:
4 × Beam 0824-160
16 × Screw M4×14

Procedure:
1. Install a Beam 0824-160 on the Chassis by 2 Screw M4×14.
2. Install another 3 Beam 0824-160.
3. Install the Body on the 4 Beam 0824-160 by 8 Screw M4×14.



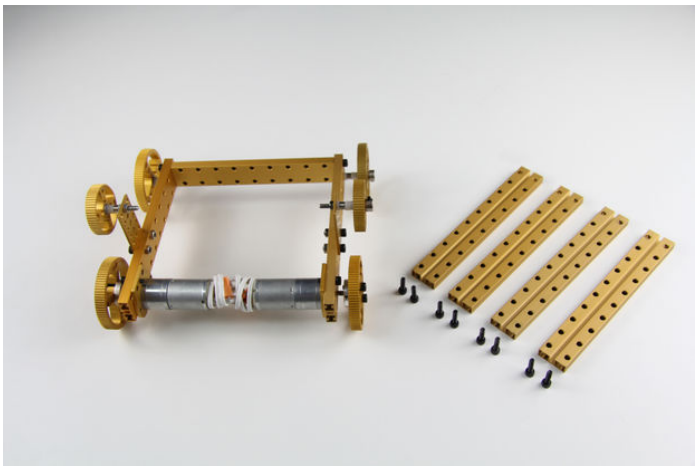


Image Notes
1. Beam 0824-160
2. Screw M4×14

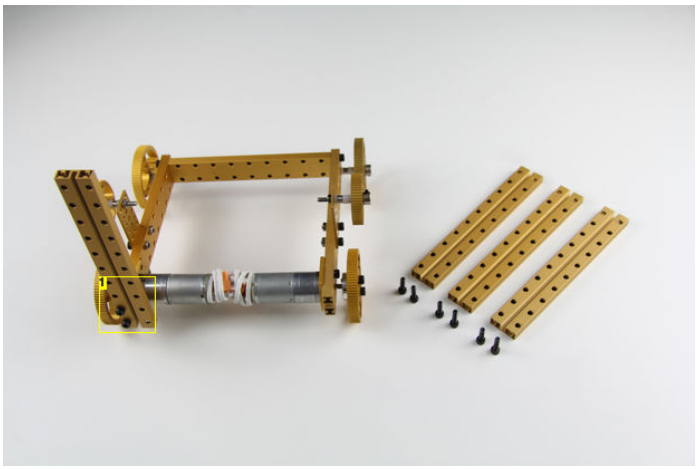


Image Notes
1. Step 1: Install a Beam 0824-160 on the Chassis by 2 Screw M4×14.

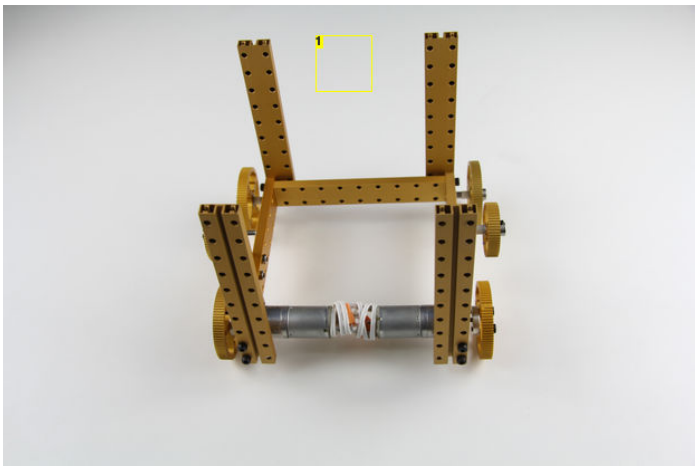
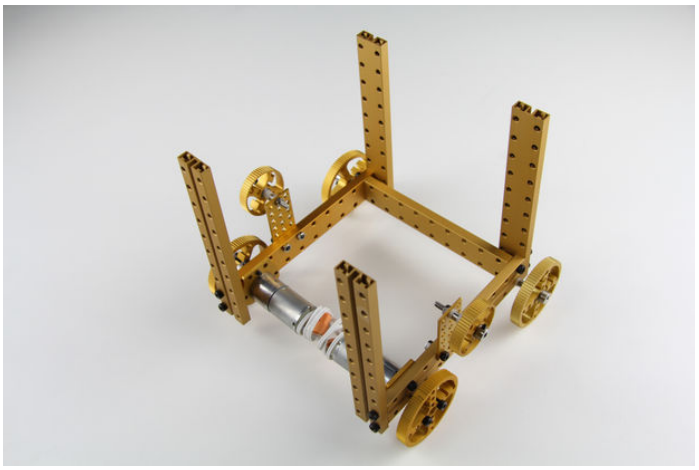
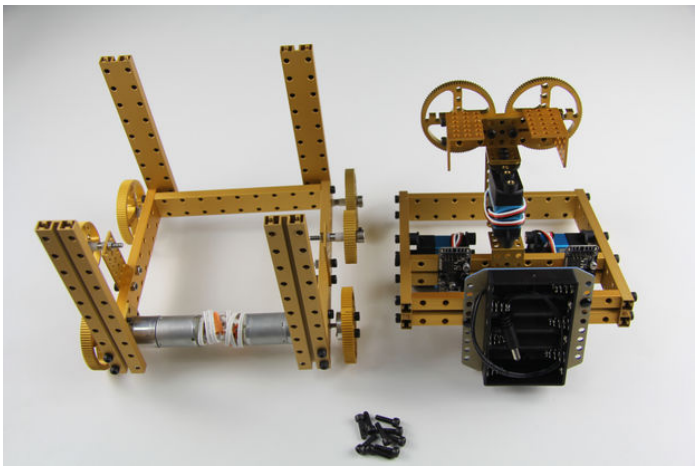
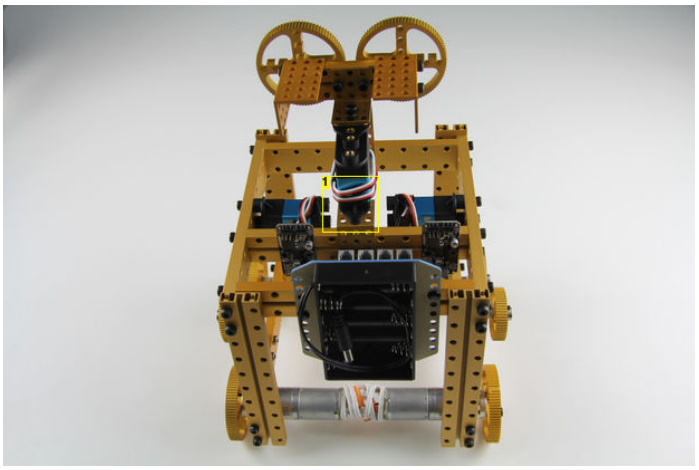


Image Notes
1. Step 2: Install another 3 Beam 0824-160.







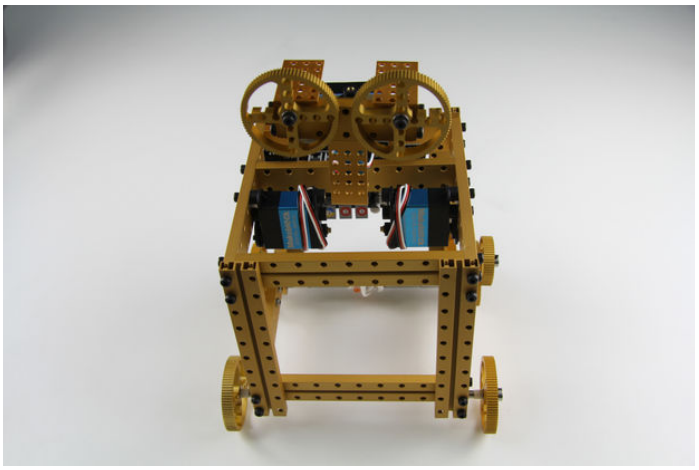


Image Notes
1. Step 3: Install the Body on the 4 Beam 0824-160 by 8 Screw M4×14.

Step 11: Add the Arms of Walle

Materials List:
2 × Beam 0808-160
2 × Bracket 3×3
4 × Copper Stud M4-15
4 × Screw M4×14
4 × Screw M4×8
Plastic Ring

Procedure:
1. Install 4 Copper Stud M4-15 on 2 servo.
2. Insert Screw M4×14 with Plastic Ring into Beam 0808-160.
3. Install the arm on the servo.
4. Install another arm.

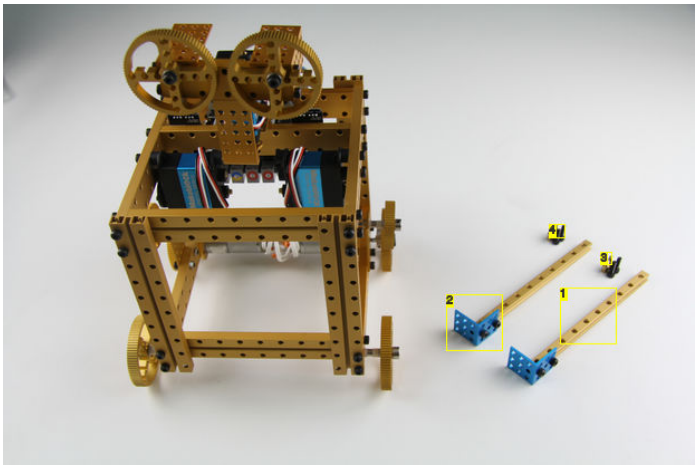


Image Notes
1. Beam 0808-160
2. Bracket 3×3
3. Copper Stud M4-15
4. Screw M4×14

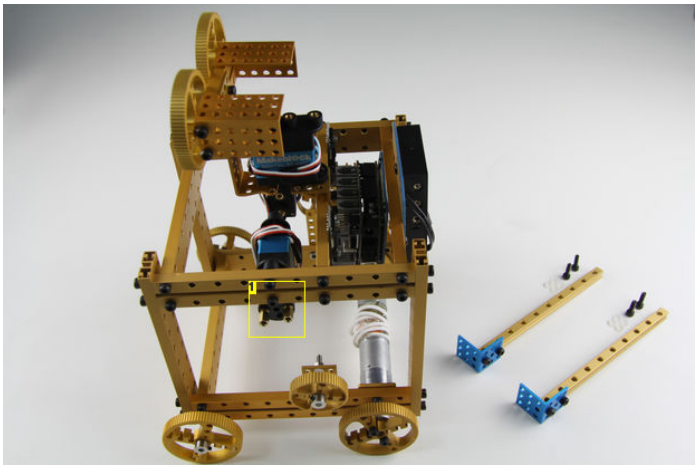


Image Notes
1. Step 1: Install 4 Copper Stud M4-15 on 2 servo.

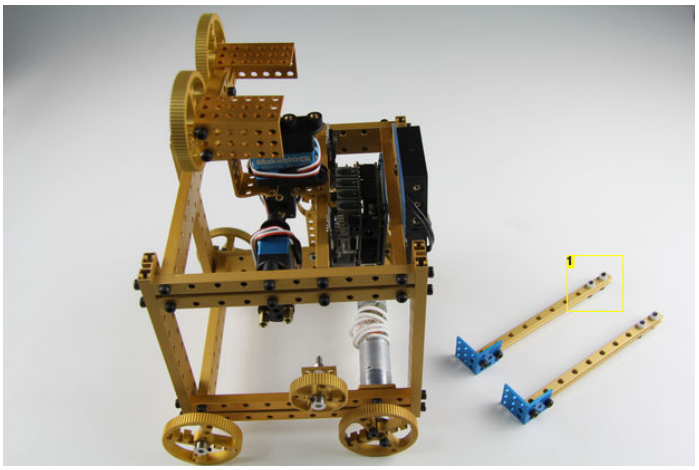


Image Notes
1. Step 2: Insert Screw M4×14 with Plastic Ring into Beam 0808-160.

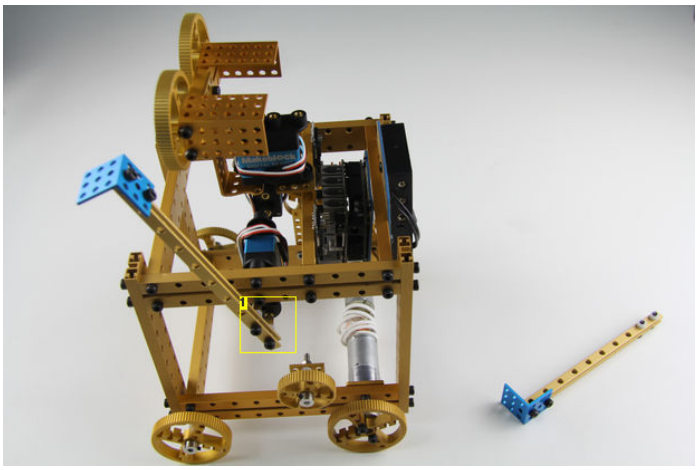


Image Notes
1. Step 3: Install the arm on the servo.

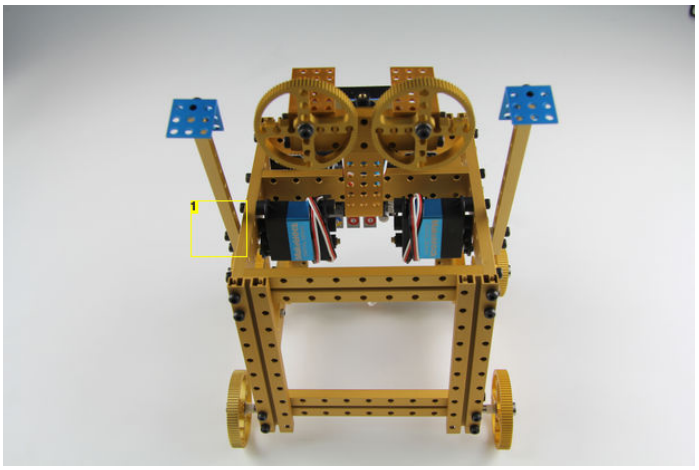
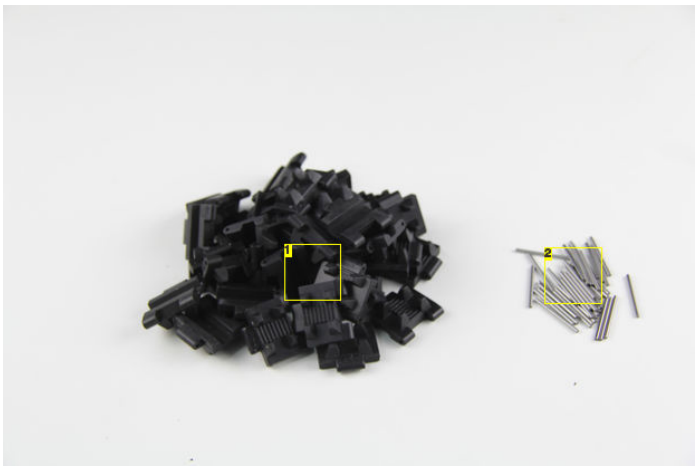


Image Notes
1. Step 4: Install another arm.

Step 12: Build the Track

Materials List:
38 × Track
36 × Track Pin

Procedure:
1. Insert a Track Pin into 2 Tracks to make the track together.
2. Make a long track by 19 Track and 18 Track Pin.
3. Make another long track as the same.



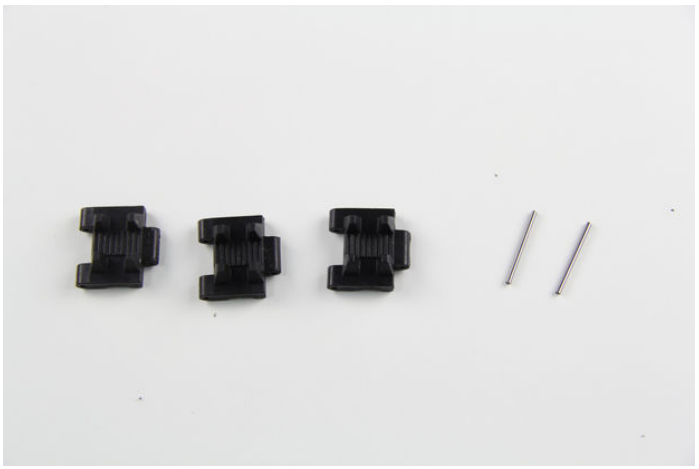
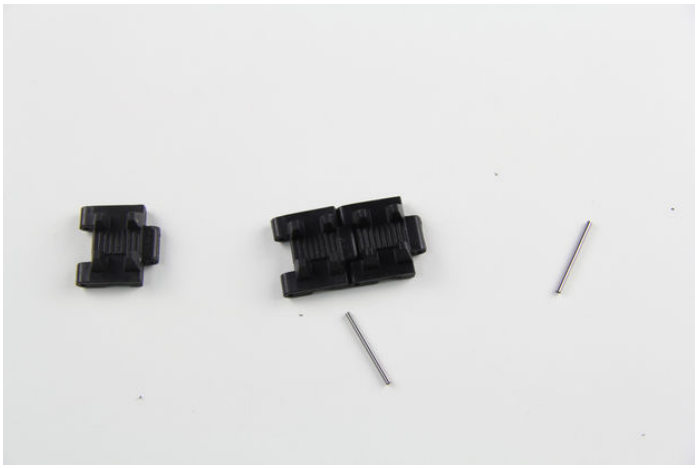


Image Notes
1. Track

2. Track Pin



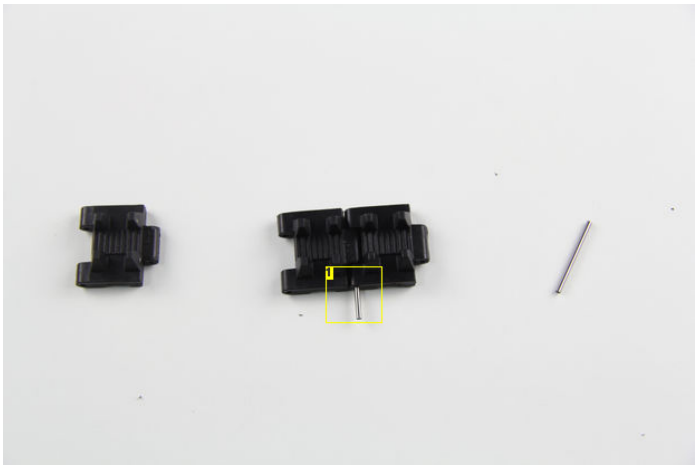
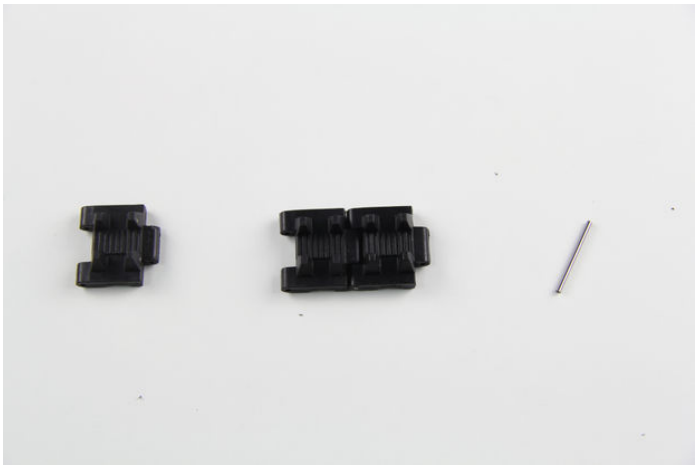


Image Notes
1. Step 1: Insert a Track Pin into 2 Tracks to make the track together.



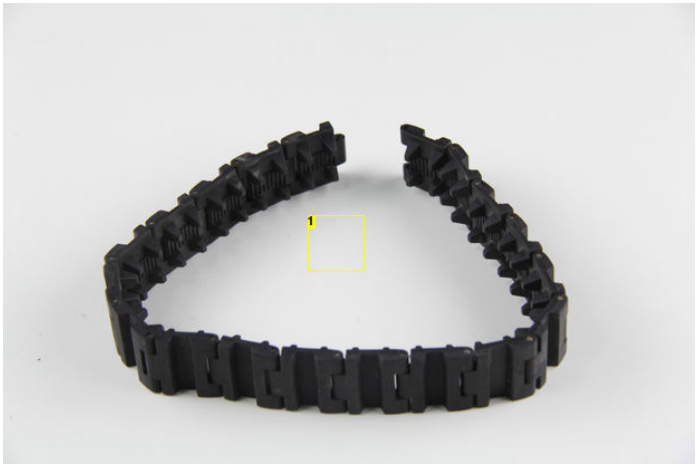


Image Notes
1. Step 2: Make a long track by 19 Track and 18 Track Pin.

Image Notes
1. Step 3: Make another long track as the same.

Step 13: Add the Track to the Body

Materials List:
2 × Track Pin

Procedure:
1. Install a long track on the wheels by a Track Pin.
2. Install another long track.

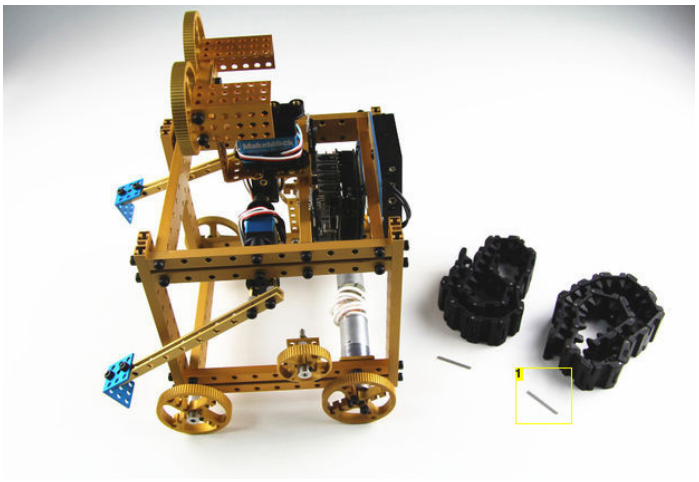
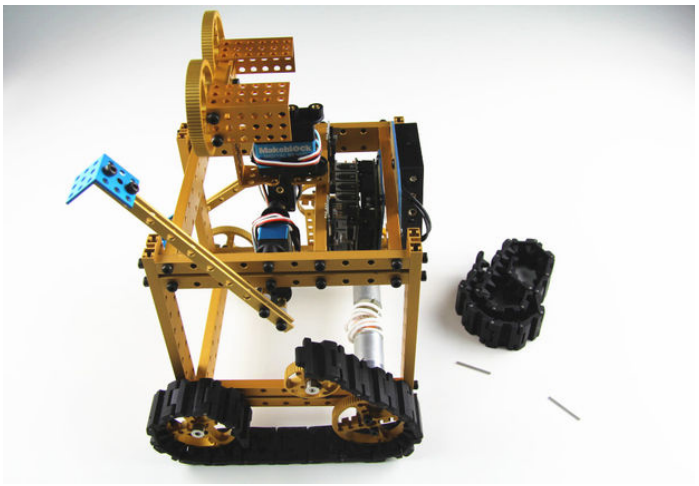


Image Notes
1. Track Pin



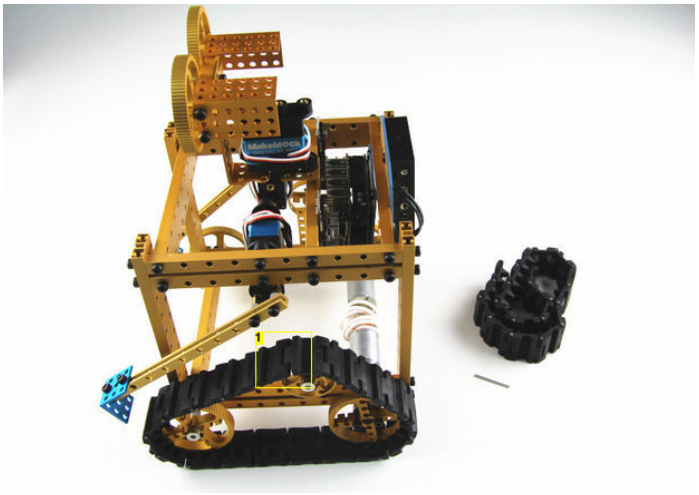


Image Notes
1. Step 1: Install a long track on the wheels by a Track Pin.

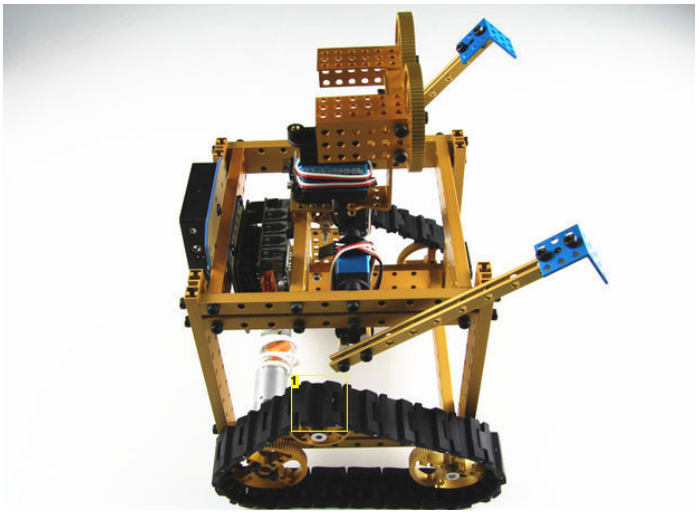
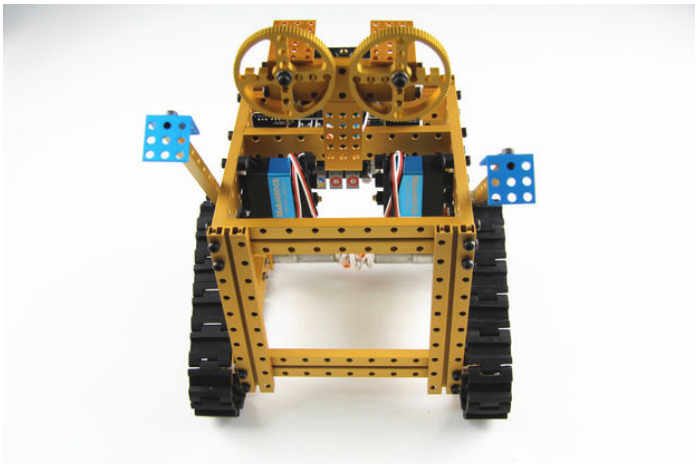


Image Notes
1. Step 2: Install another long track.



Step 14: Add the Me-Infrared Reciever to Walle

Materials Listï¼š
1 × Me-Infrared Reciever
2 × Screw M4×8

Procedure:
1. Install the Me-Infrared Reciever on Walle by 2 Screw M4×8.

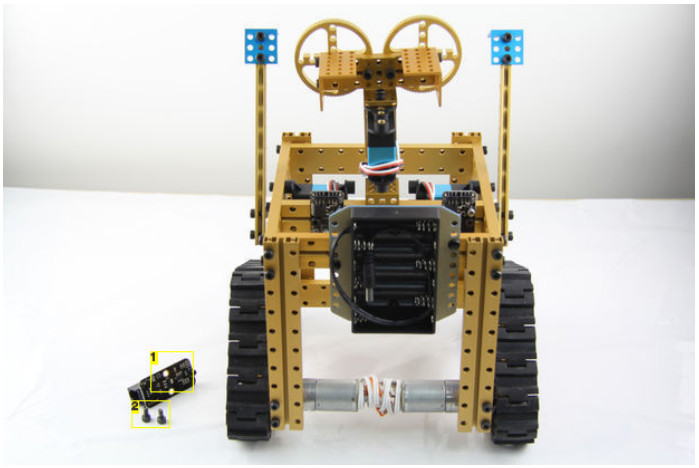


Image Notes
1. Me-Infrared Reciever
2. Screw M4×8

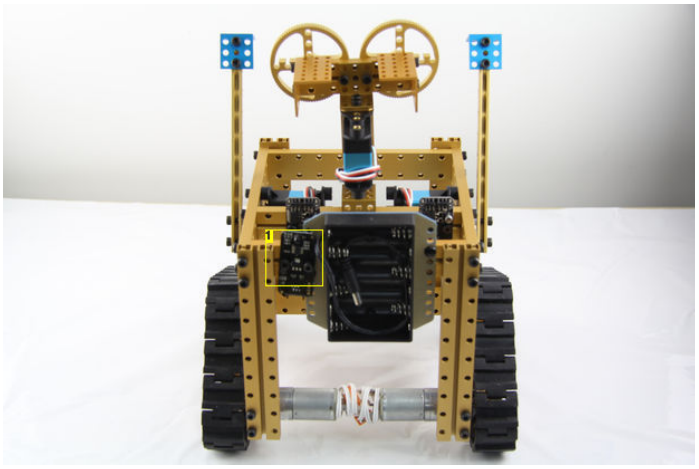
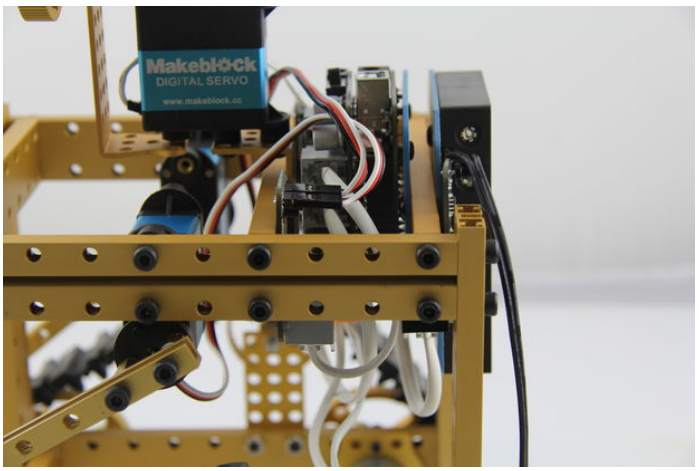


Image Notes
1. Step 1: Install the Me-Infrared Reciever on Walle by 2 Screw M4×8.

Step 15: Attach the Wires to Connect the Electronic Modules

Materials List:
3 × Telephone Line

Procedure:
1. Connect Me-Servo Driver 1 to Me-Base Shield on Port1 by a telephone line.
2. Connect Me-Servo Driver 2 to Me-Base Shield on Port 2 by a telephone line.
3. Connect Me-Infrared Receiver to Me-Base Shield on Port6 by a telephone line.
4. Connect the servo on left hand to Me-Servo Driver 1 on Port SERO-1.
5. Connect the servo on right hand to Me-Servo Driver 1 on Port SERO-2.
6. Connect the servo on the Head to Me-Servo Driver 2 on Port SERO-1.
7. Connect the left DC motor on Me-Base Shield on Port M1.
8. Connect the right DC motor on Me-Base Shield on Port M2.
9. Add the batteries to the Battery Holder



Step 16: Upload the Arduino Code

Materials list:
1 × USB Cable(A plug to B plug)
1 × IR remote Controller

Procedure:
1. Connect the Arduino to the computer by using the USB cable.
2. Connect the Battery on the Arduino.
3. Upload the Arduino Code of Walle.

The Arduino Code and the application for windows can be downloaded here:
http://makeblock.cc/download/

The Walle can also be controlled by the SmartPhone through the bluetooth, and the special application for Android Phone is in planning.

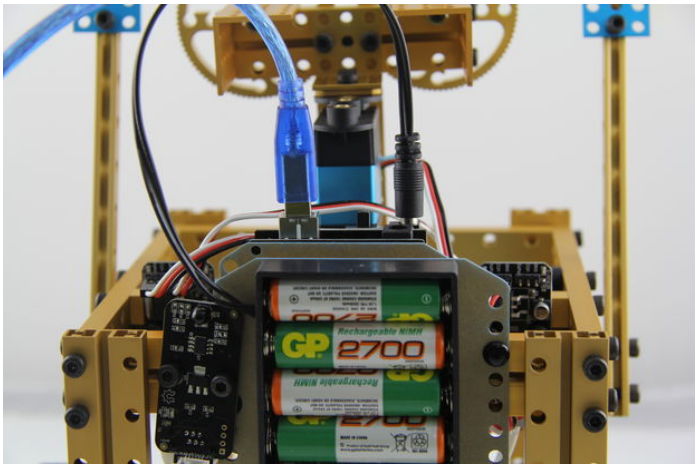


Image Notes
1. USB Cable(A plug to B plug)
2. IR remote Controller

Related Instructables

Making Music with Makeblock by Makerworks

A New Way to Make an Aluminium Alloy Robot by schang10

Go Baby Go - Joystick controlled powered device by GoBabyGo

Wall-E's Anti-Social Cousin: Object Avoiding Arduino Controlled Robot! (Photos) by Brennn10

Wall drawing robot - Open Source ! (KeerBot.com) (Photos) by wavegm

Autonomous Arduino Tank (A.A.T) by That-One-Kid