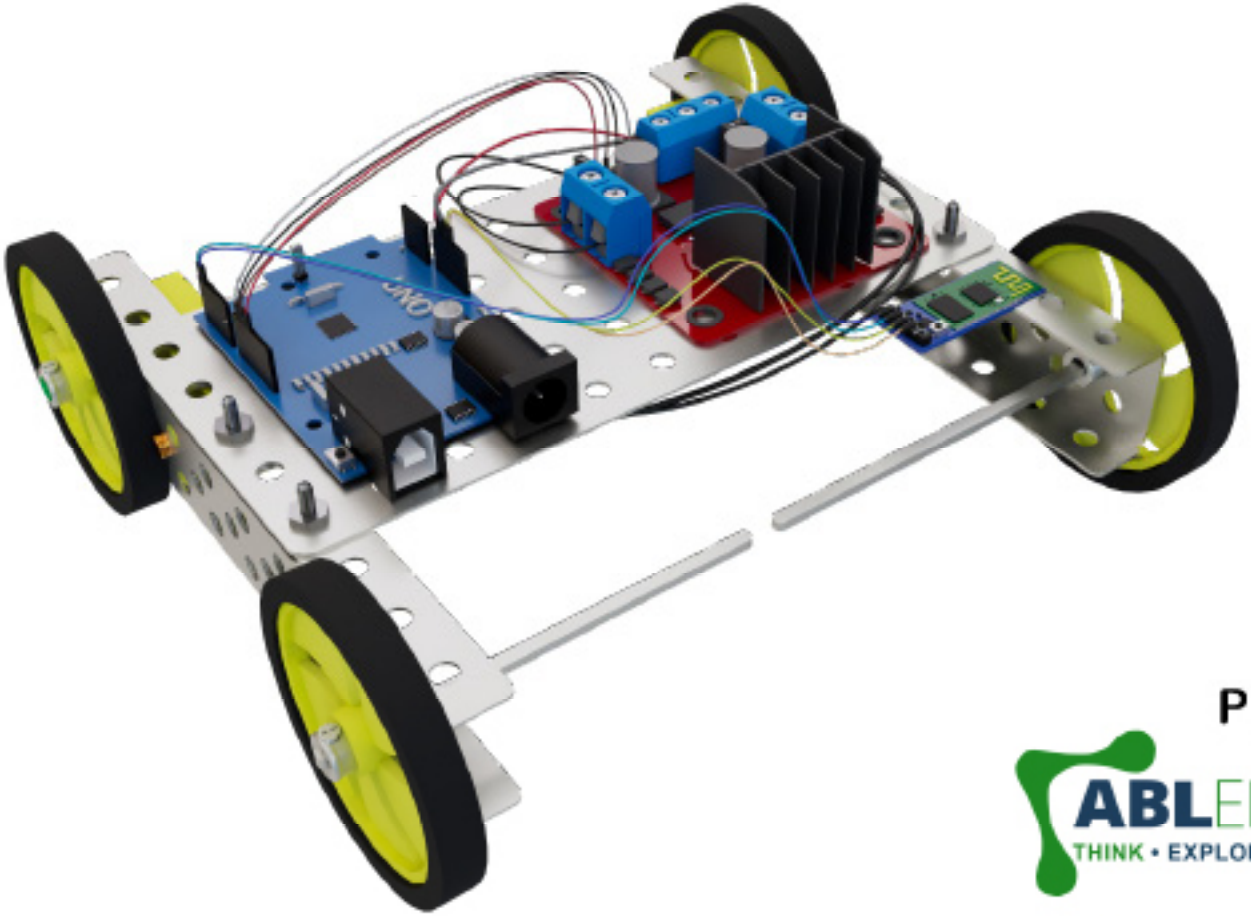
MECHANZ™

Bluetooth Control Bot



Product of

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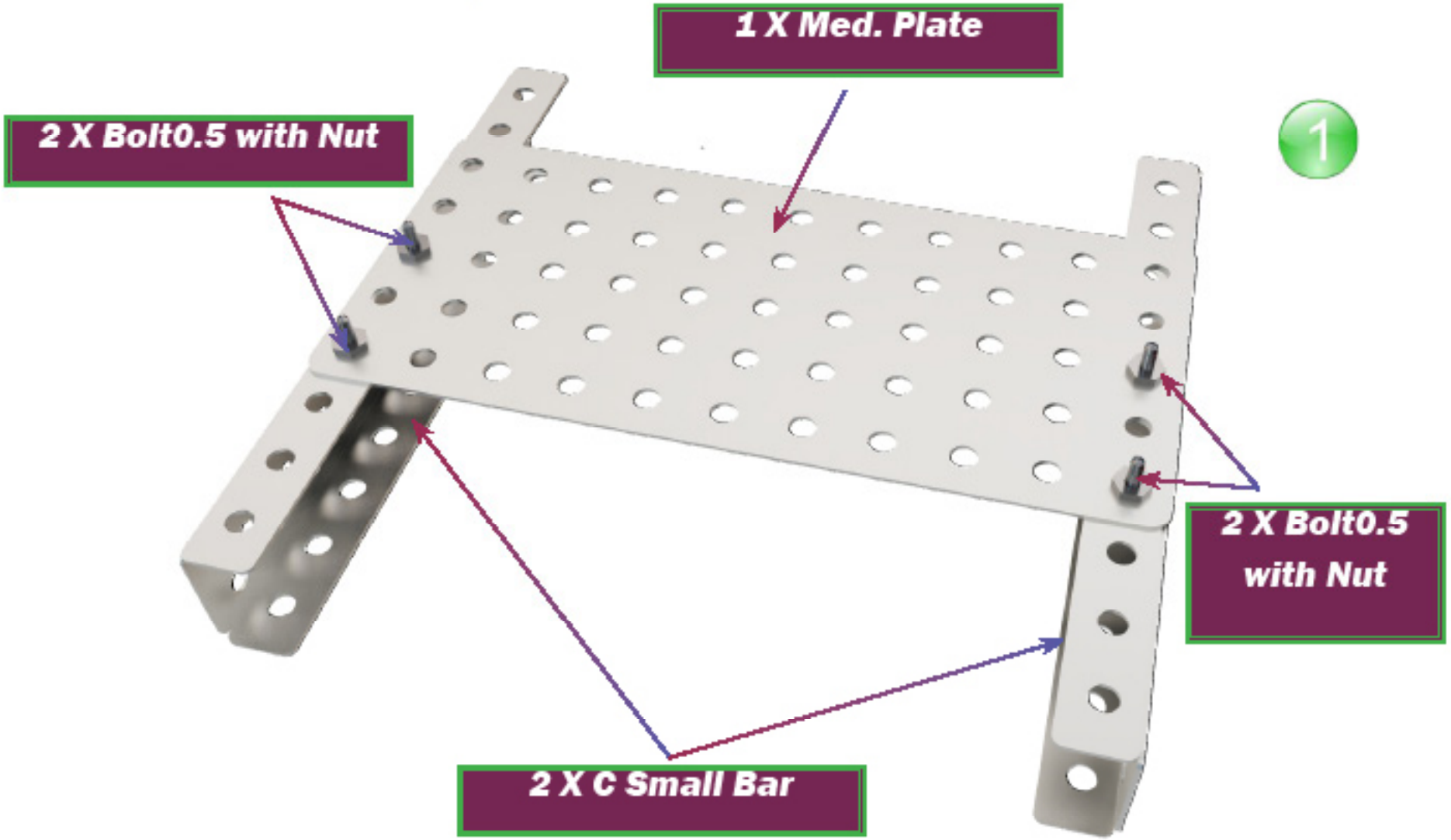

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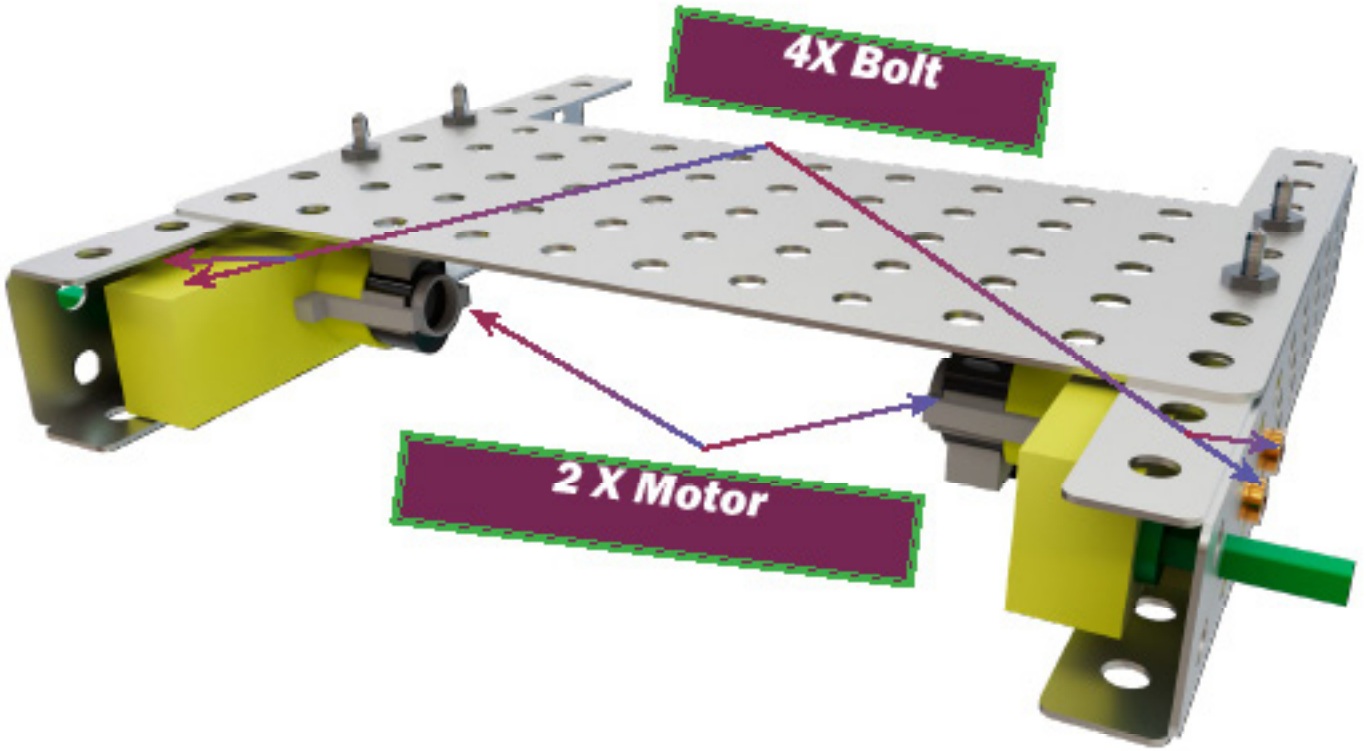
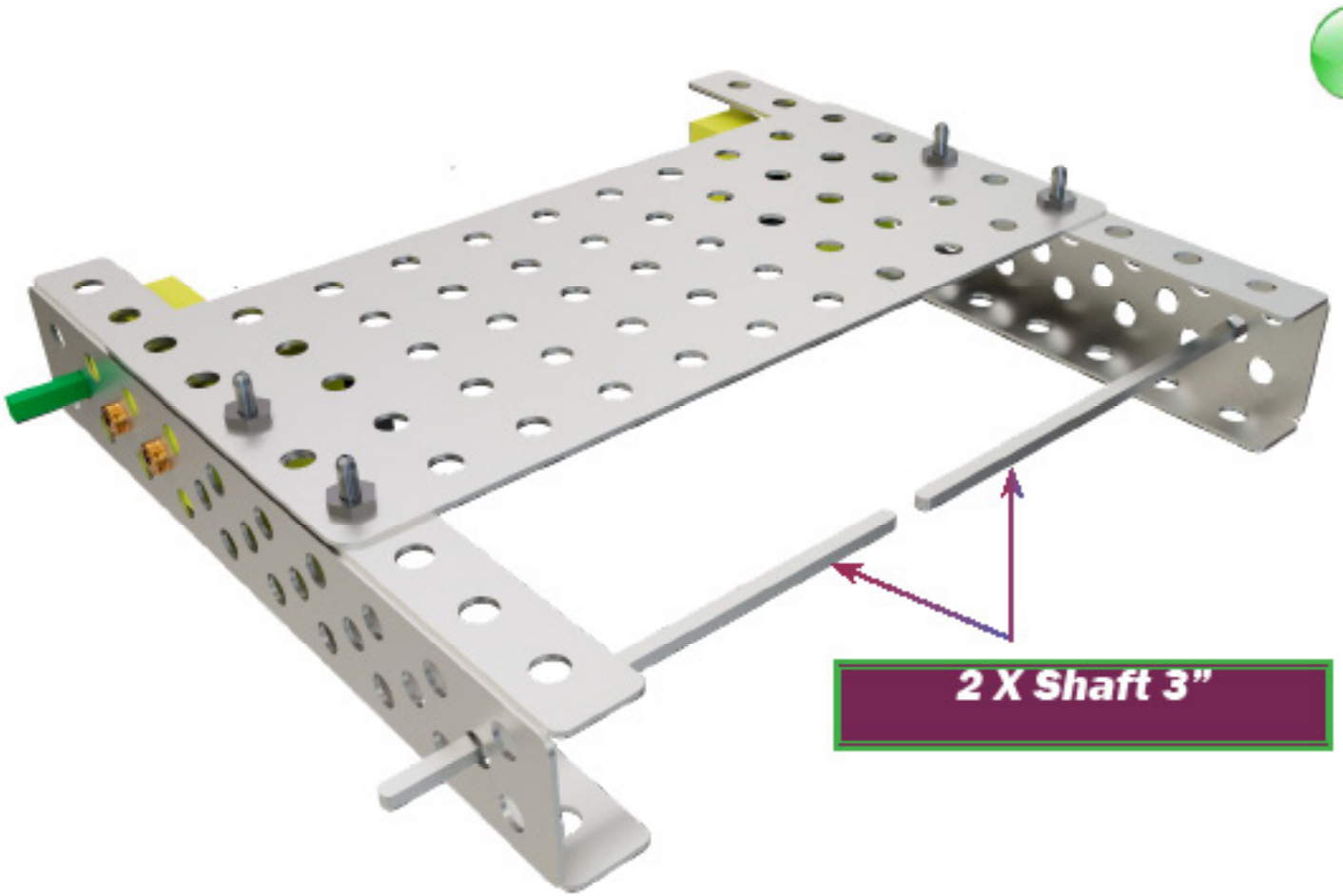
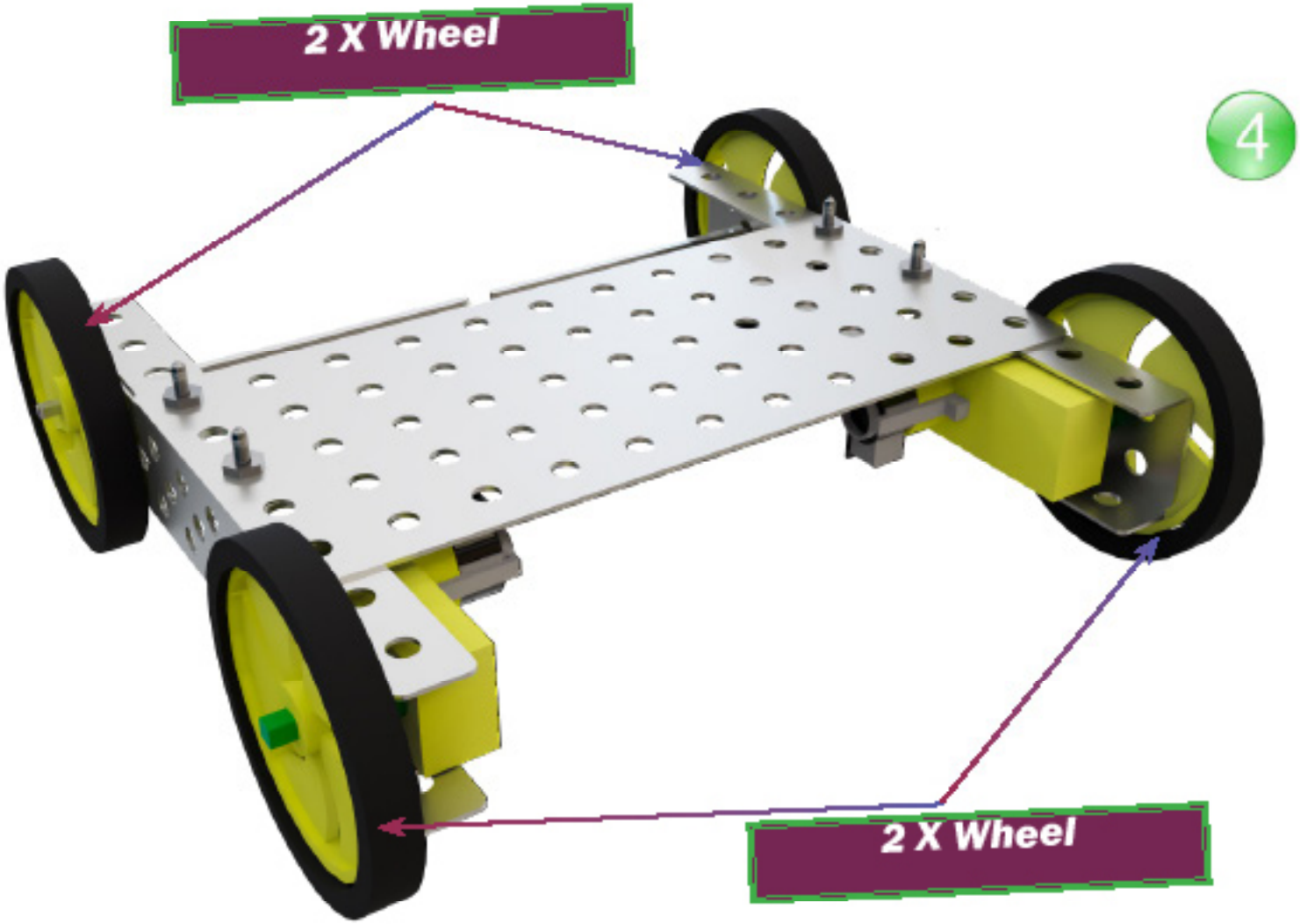
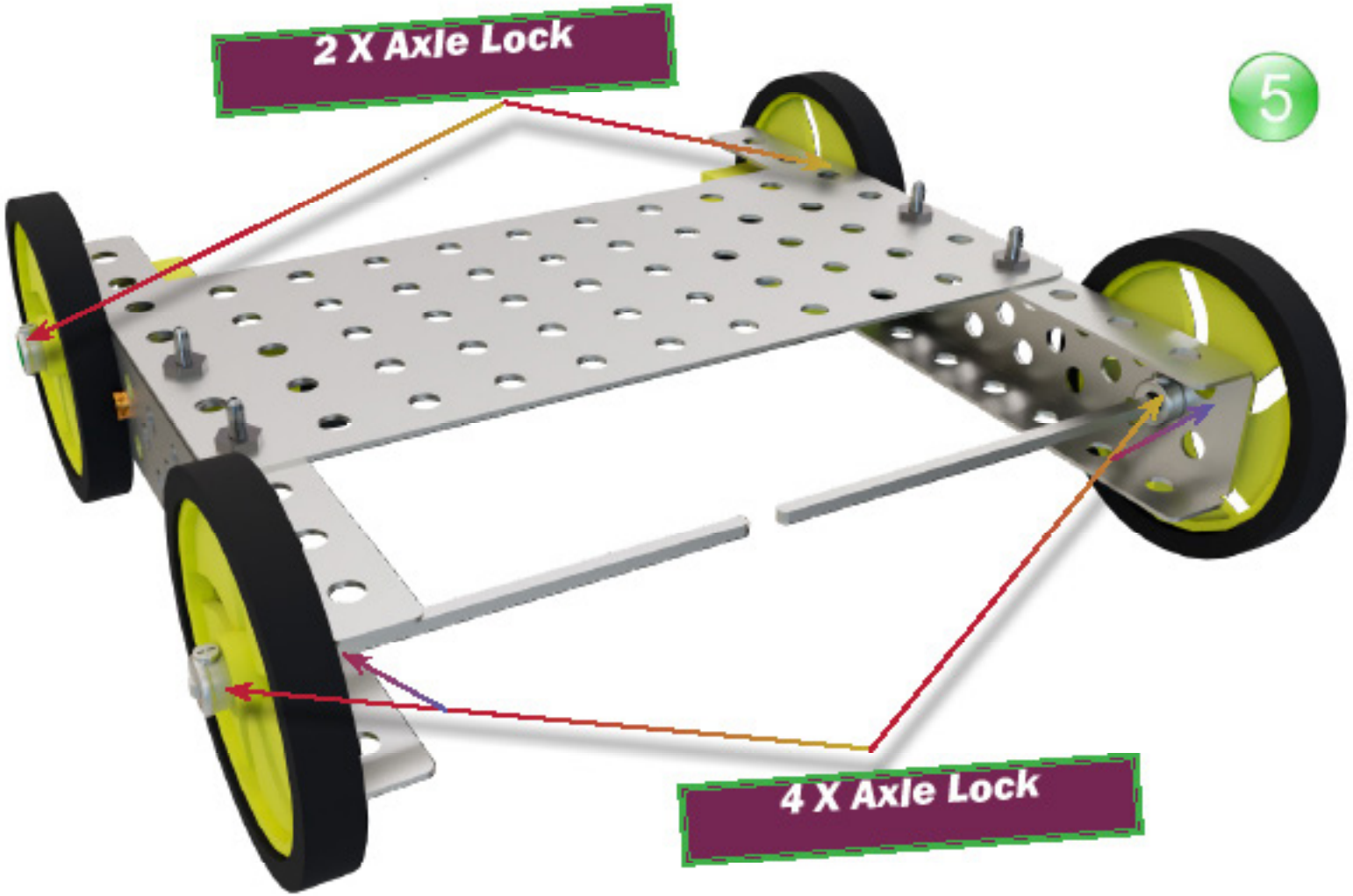
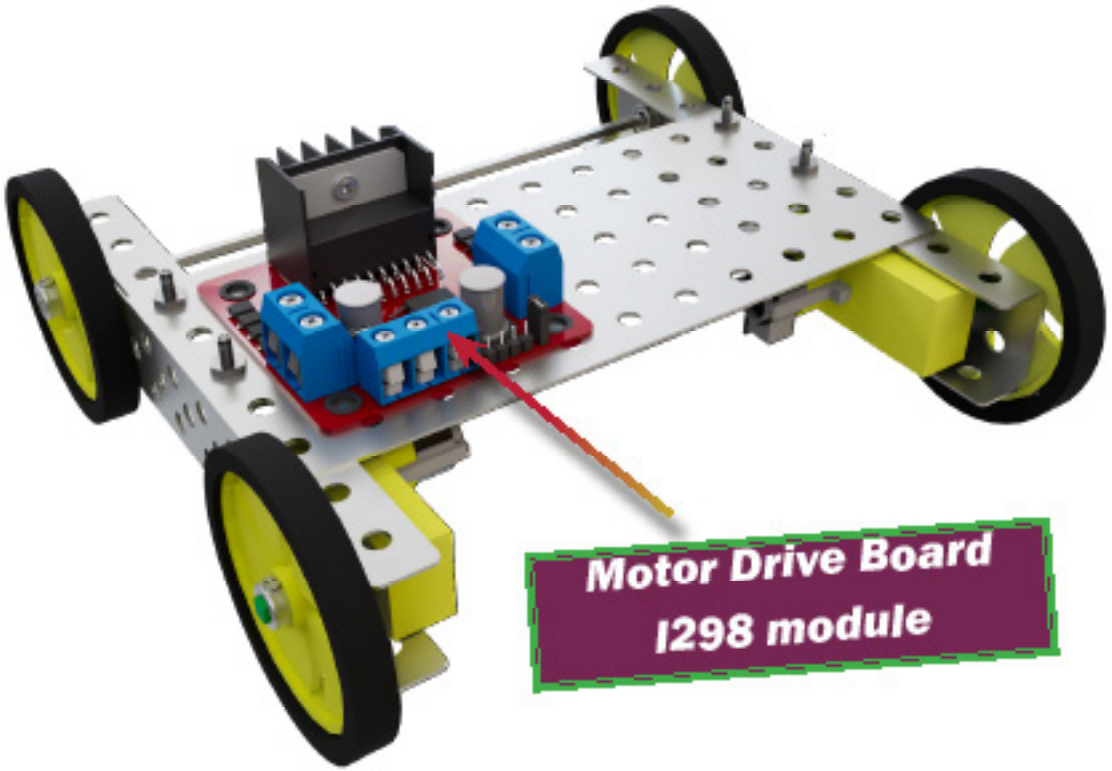








6



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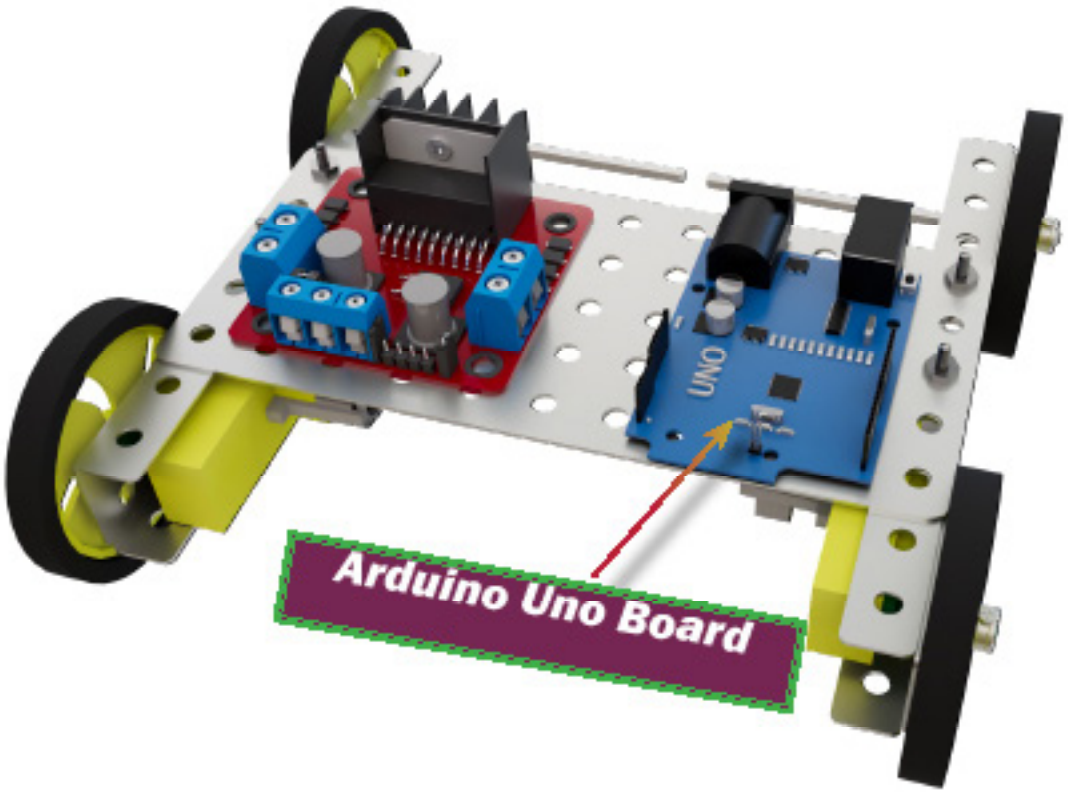

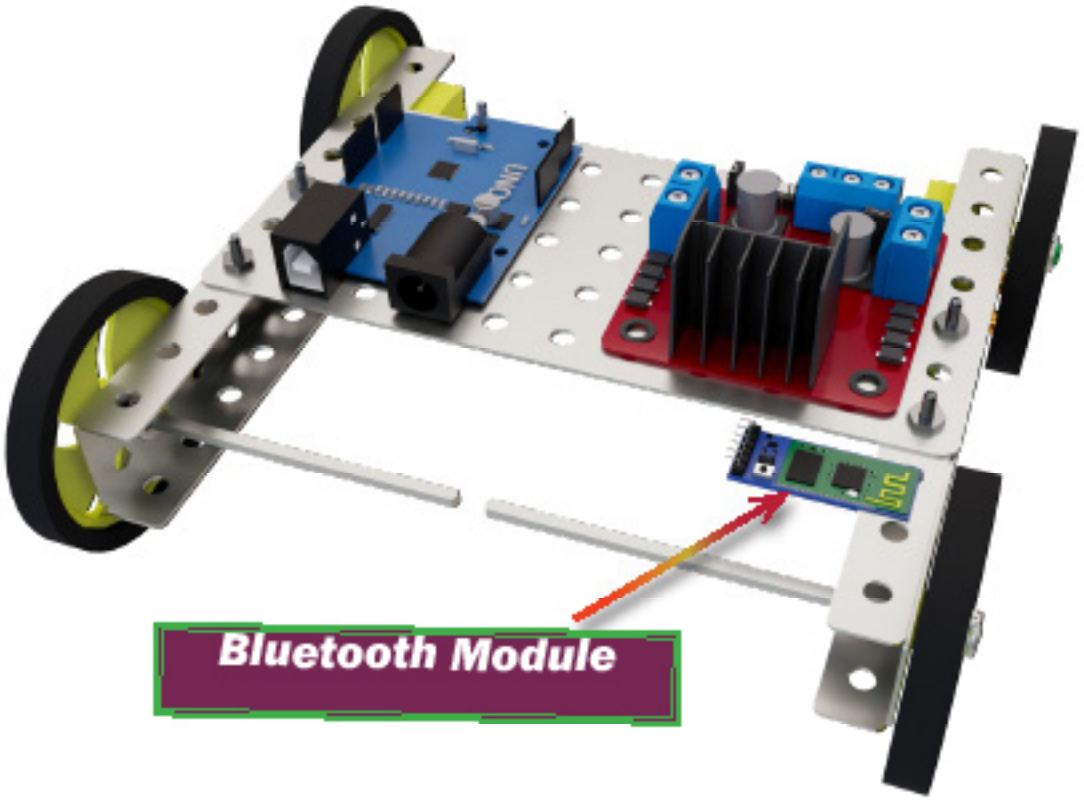

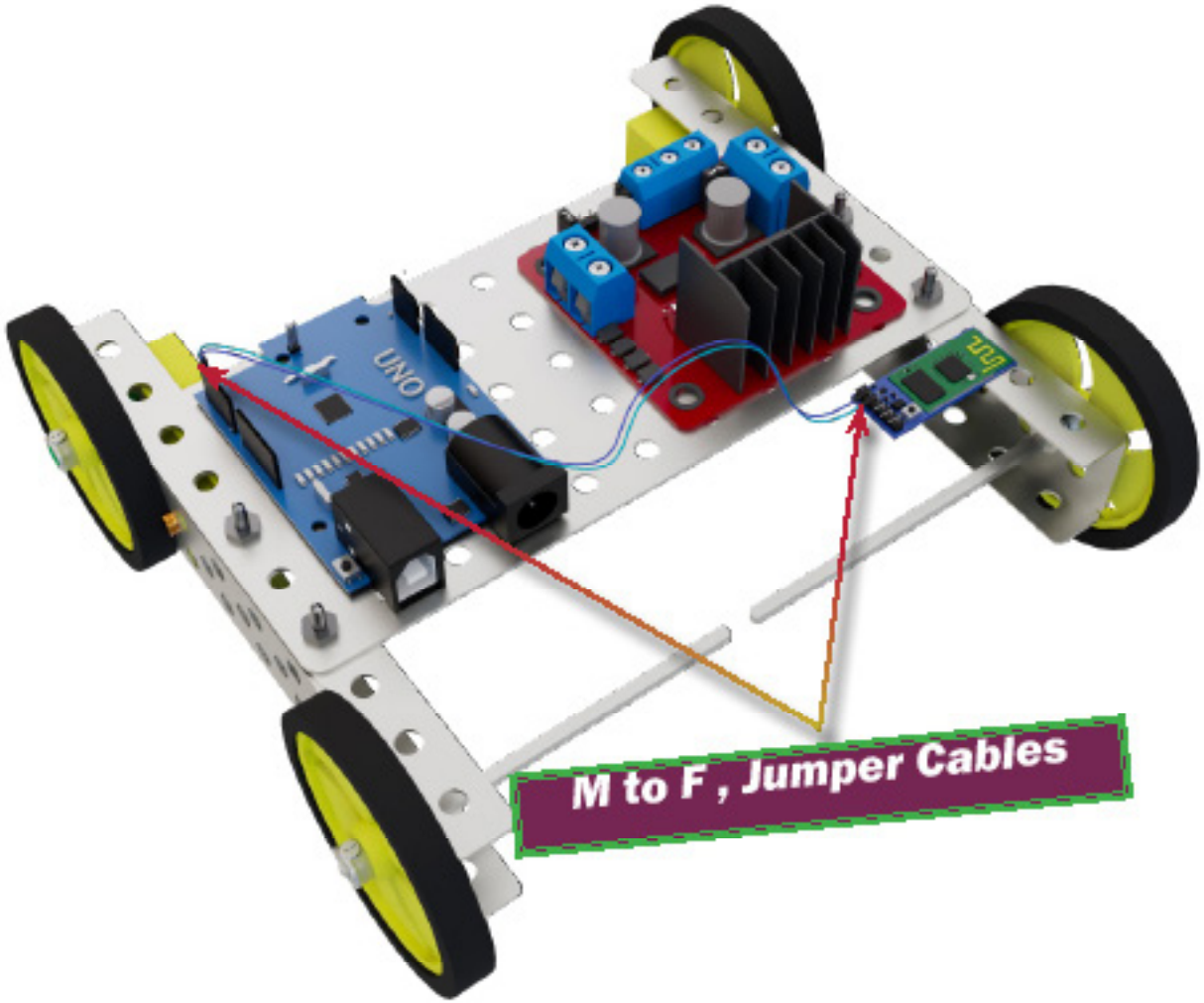

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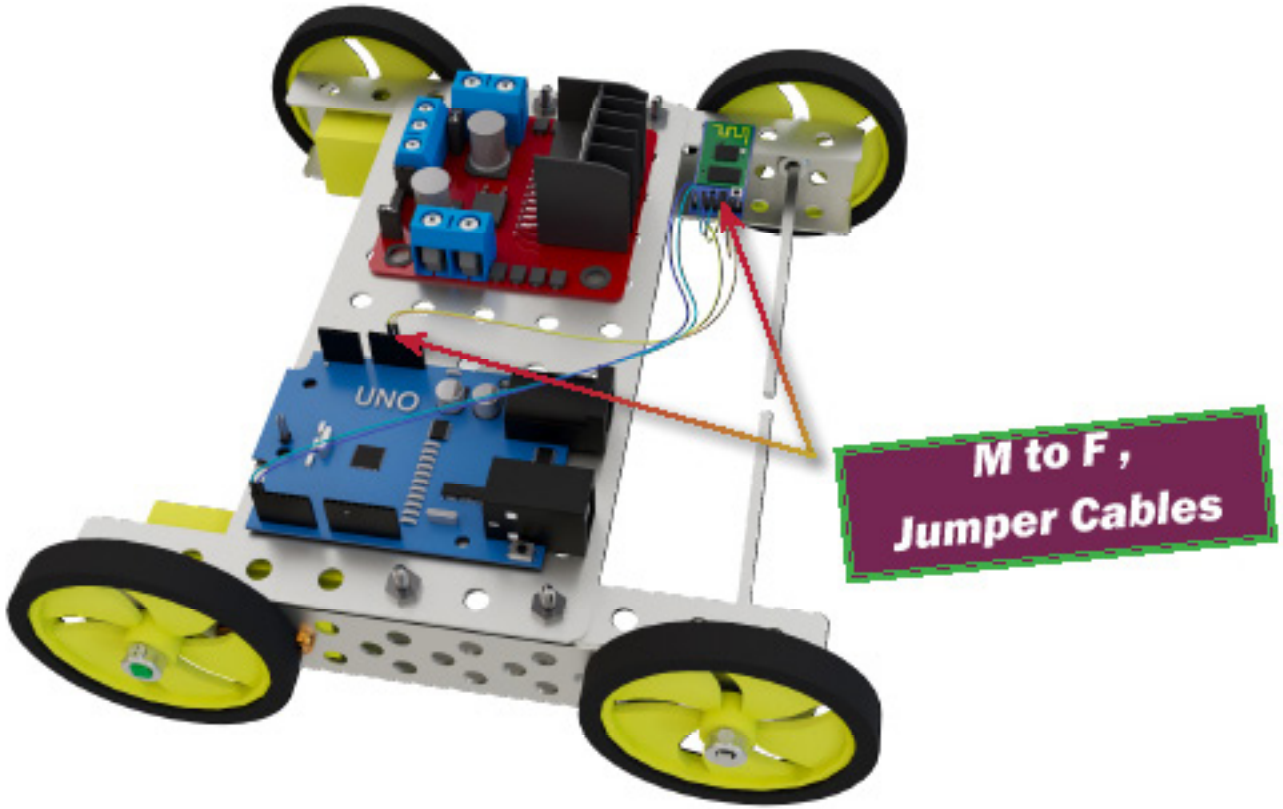
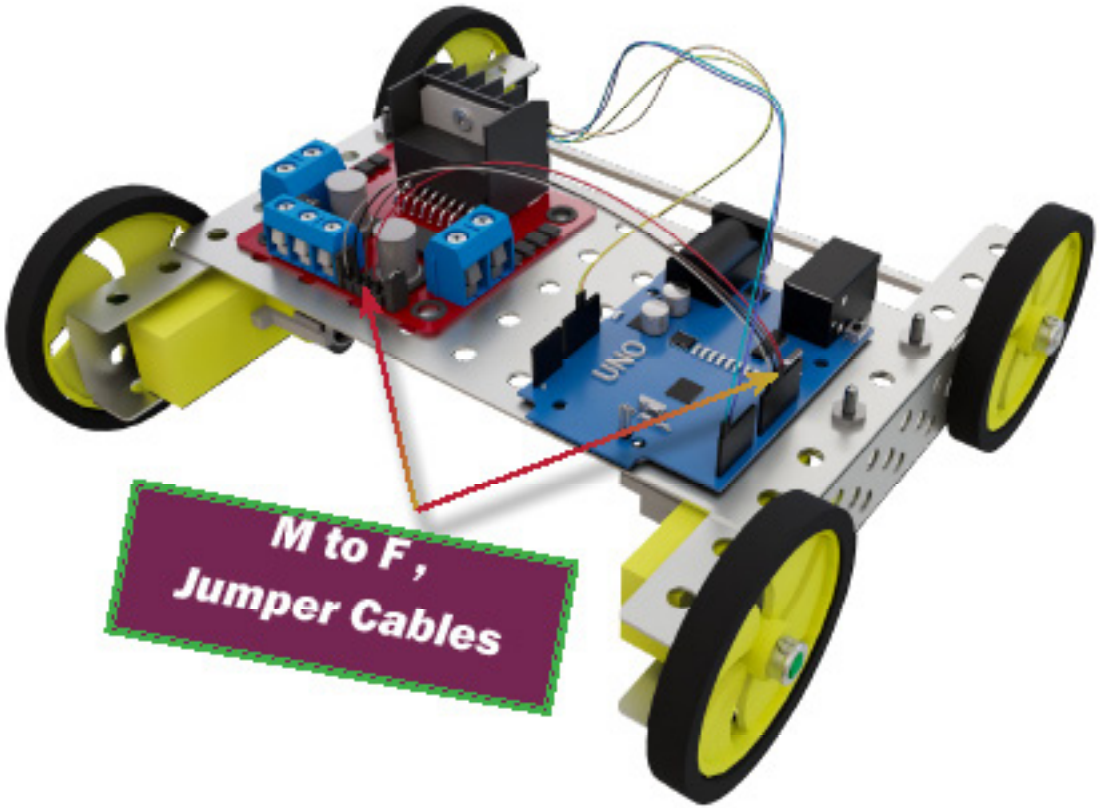
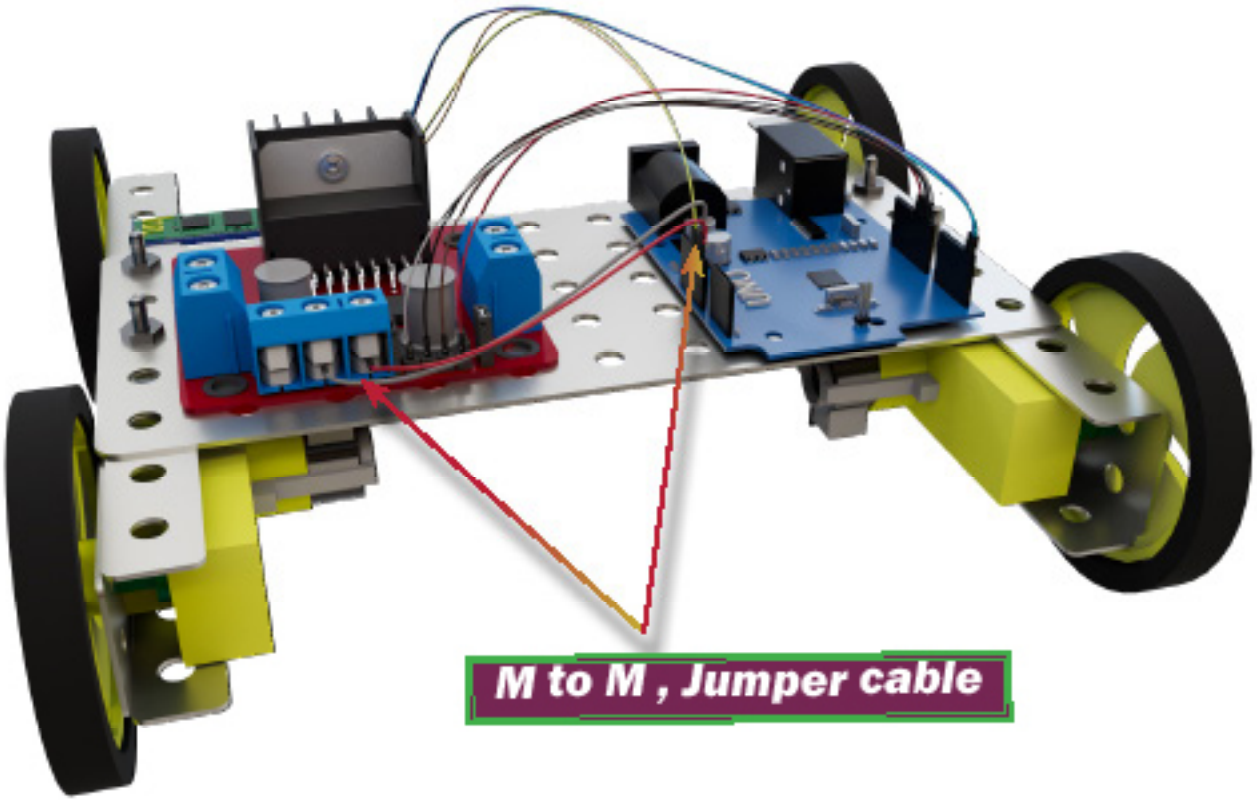
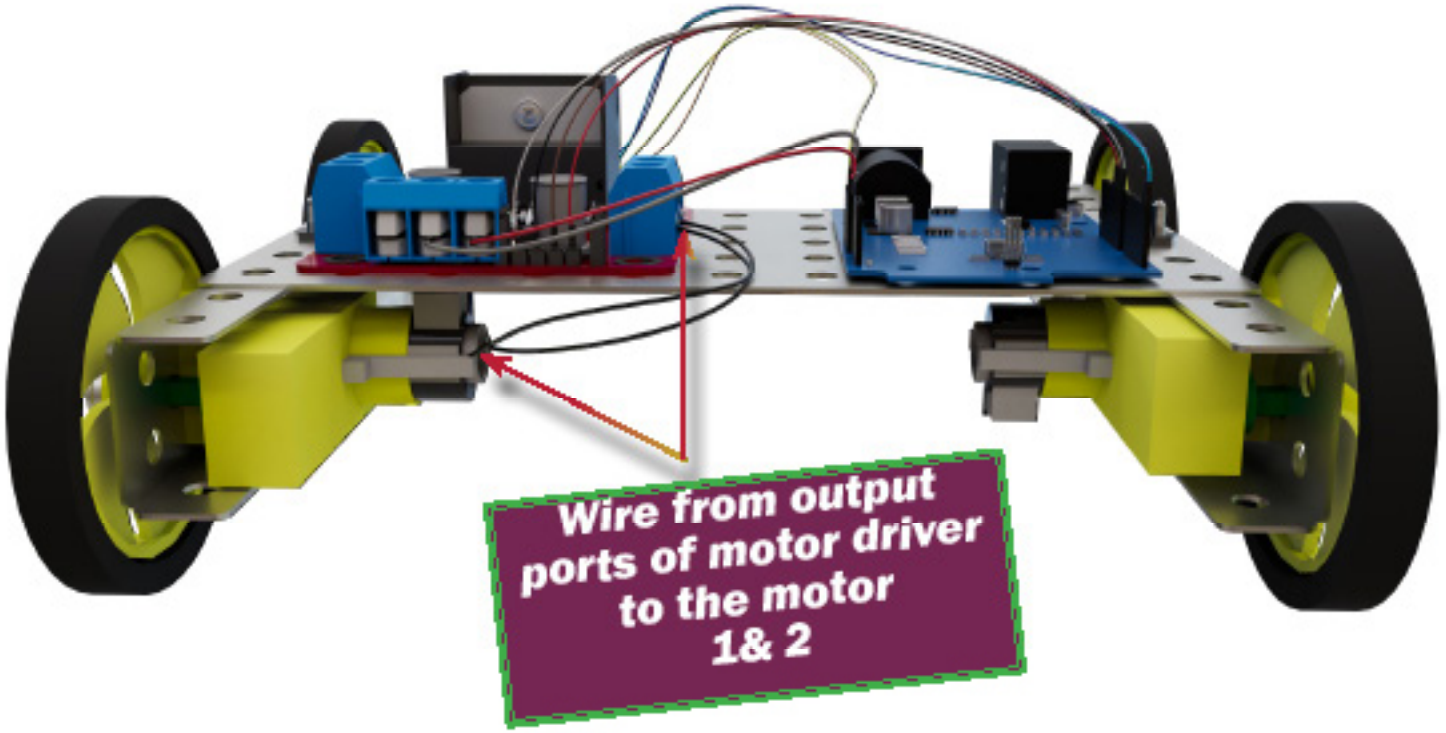
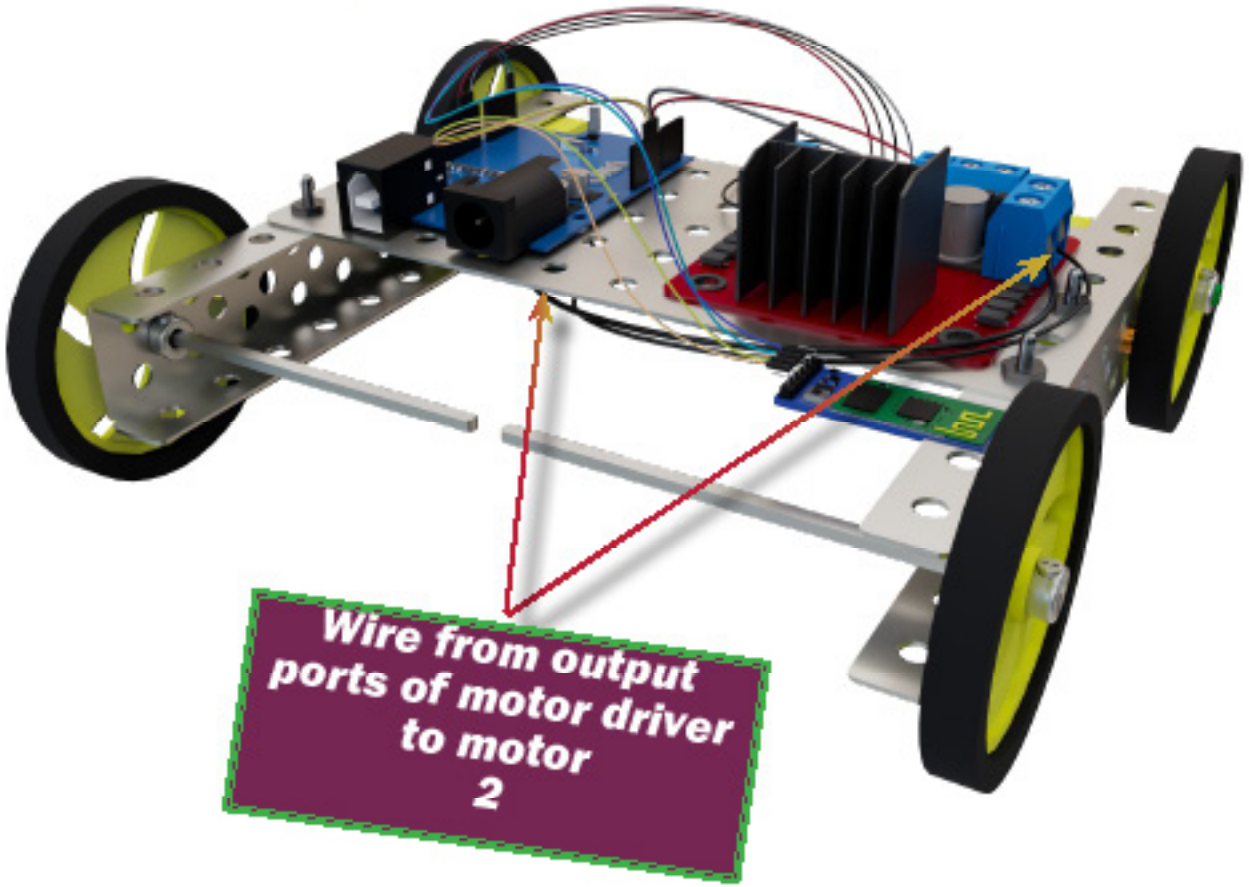


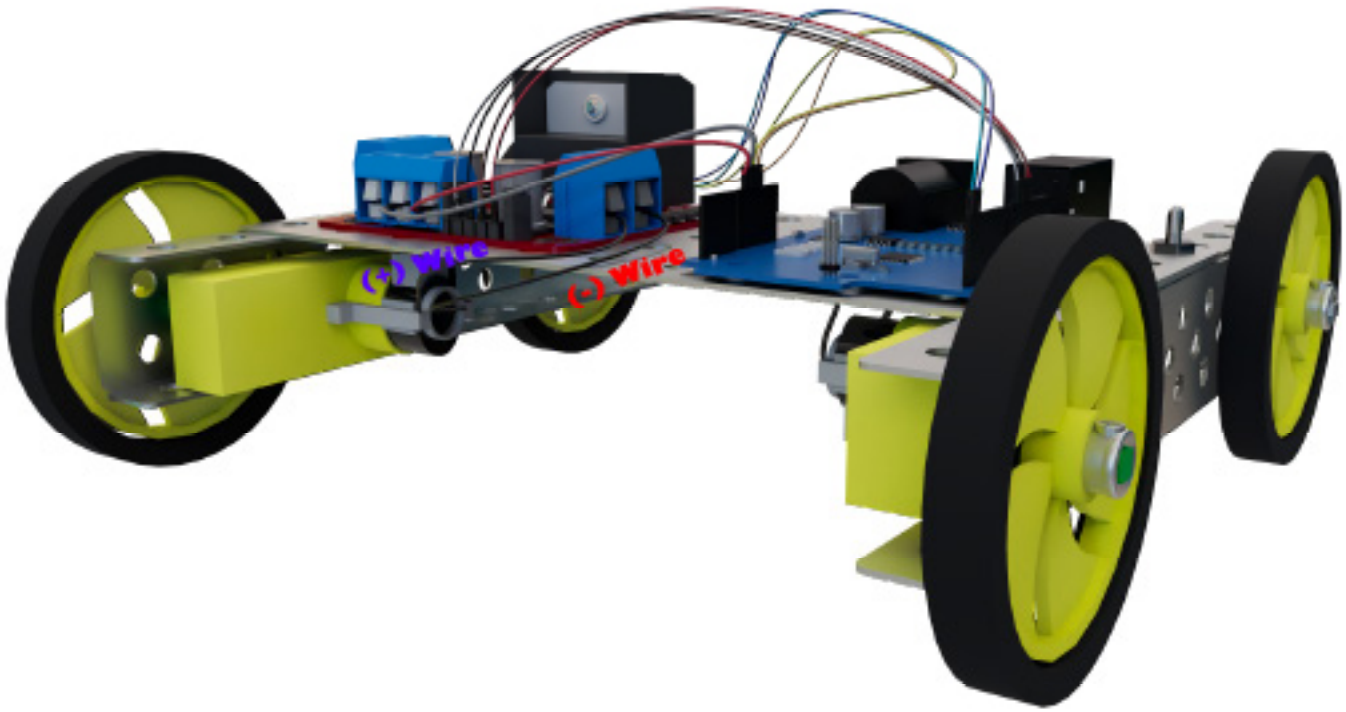


12









* Connection of 9V battery to power pins of Motor driver

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Coding For Bluetooth control bot

```
// Starting of Program


int m1a = 4;
int m1b = 5;
int m2a = 6;
int m2b = 7;
char val;


void setup()
{
pinMode(m1a, OUTPUT);  // Digital pin 10 set as
output Pin
pinMode(m1b, OUTPUT);  // Digital pin 11 set as
output Pin
pinMode(m2a, OUTPUT);  // Digital pin 12 set as
output Pin
pinMode(m2b, OUTPUT);  // Digital pin 13 set as
output Pin

      digitalWrite(m1a, !HIGH);
      digitalWrite(m1b, LOW);
      digitalWrite(m2a, !HIGH);
```

```
    digitalWrite(m2b, LOW);
Serial.begin(9600);
}

void loop()
{
  while (Serial.available() > 0)
  {
  val = Serial.read();
  Serial.println(val);
  }

  if( val == 'F') // Forward
    {
      digitalWrite(m1a, HIGH);
      digitalWrite(m1b, LOW);
      digitalWrite(m2a, HIGH);
      digitalWrite(m2b, LOW);
    }
  else if(val == 'B') // Backward
    {
      digitalWrite(m1a, LOW);
      digitalWrite(m1b, HIGH);
      digitalWrite(m2a, LOW);
      digitalWrite(m2b, HIGH);
    }

    else if(val == 'L') //Left
```

```
  {
  digitalWrite(m1a, LOW);
  digitalWrite(m1b, LOW);
  digitalWrite(m2a, HIGH);
  digitalWrite(m2b, LOW);
  }
  else if(val == 'R') //Right
  {
  digitalWrite(m1a, HIGH);
  digitalWrite(m1b, LOW);
  digitalWrite(m2a, LOW);
  digitalWrite(m2b, LOW);
  }

else if(val == 'S') //Stop
  {
  digitalWrite(m1a, LOW);
  digitalWrite(m1b, LOW);
  digitalWrite(m2a, LOW);
  digitalWrite(m2b, LOW);
  }
else if(val == 'I') //Forward Right
  {
  digitalWrite(m1a, HIGH);
  digitalWrite(m1b, LOW);
  digitalWrite(m2a, LOW);
  digitalWrite(m2b, LOW);
```

```
  }
 else if(val == 'J') //Backward Right
  {
  digitalWrite(m1a, LOW);
  digitalWrite(m1b, HIGH);
  digitalWrite(m2a, LOW);
  digitalWrite(m2b, LOW);
  }
 else if(val == 'G') //Forward Left
  {
  digitalWrite(m1a, LOW);
  digitalWrite(m1b, LOW);
  digitalWrite(m2a, HIGH);     digitalWrite(m2b, LOW);
  }
 else if(val == 'H') //Backward Left
  {
  digitalWrite(m1a, LOW);
  digitalWrite(m1b, LOW);
  digitalWrite(m2a, LOW);
  digitalWrite(m2b, HIGH);
  }

}
```

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Youtube link : https://youtu.be/489IZtdwVbs?si=JTqBIPlCCmVDcj6E