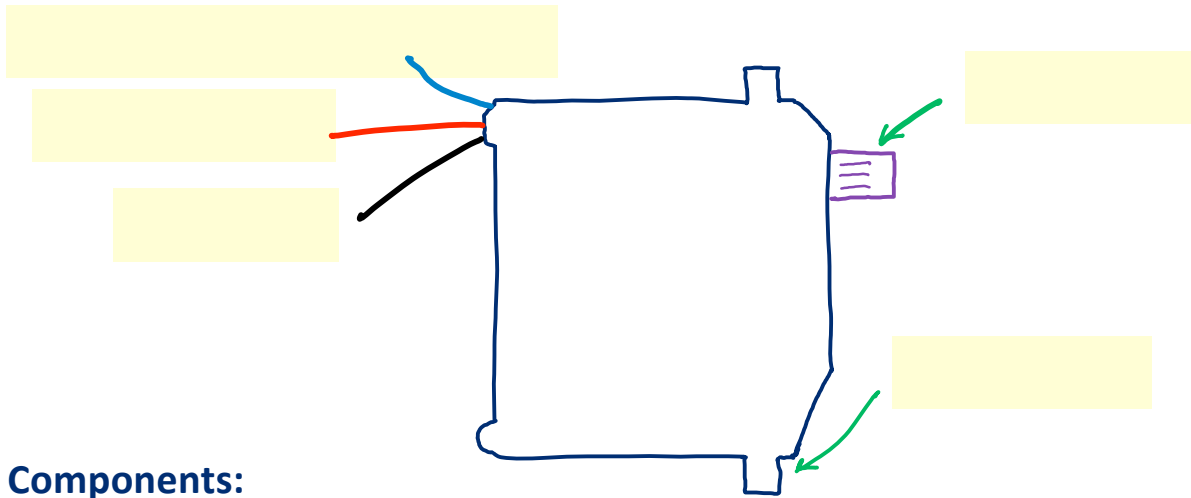
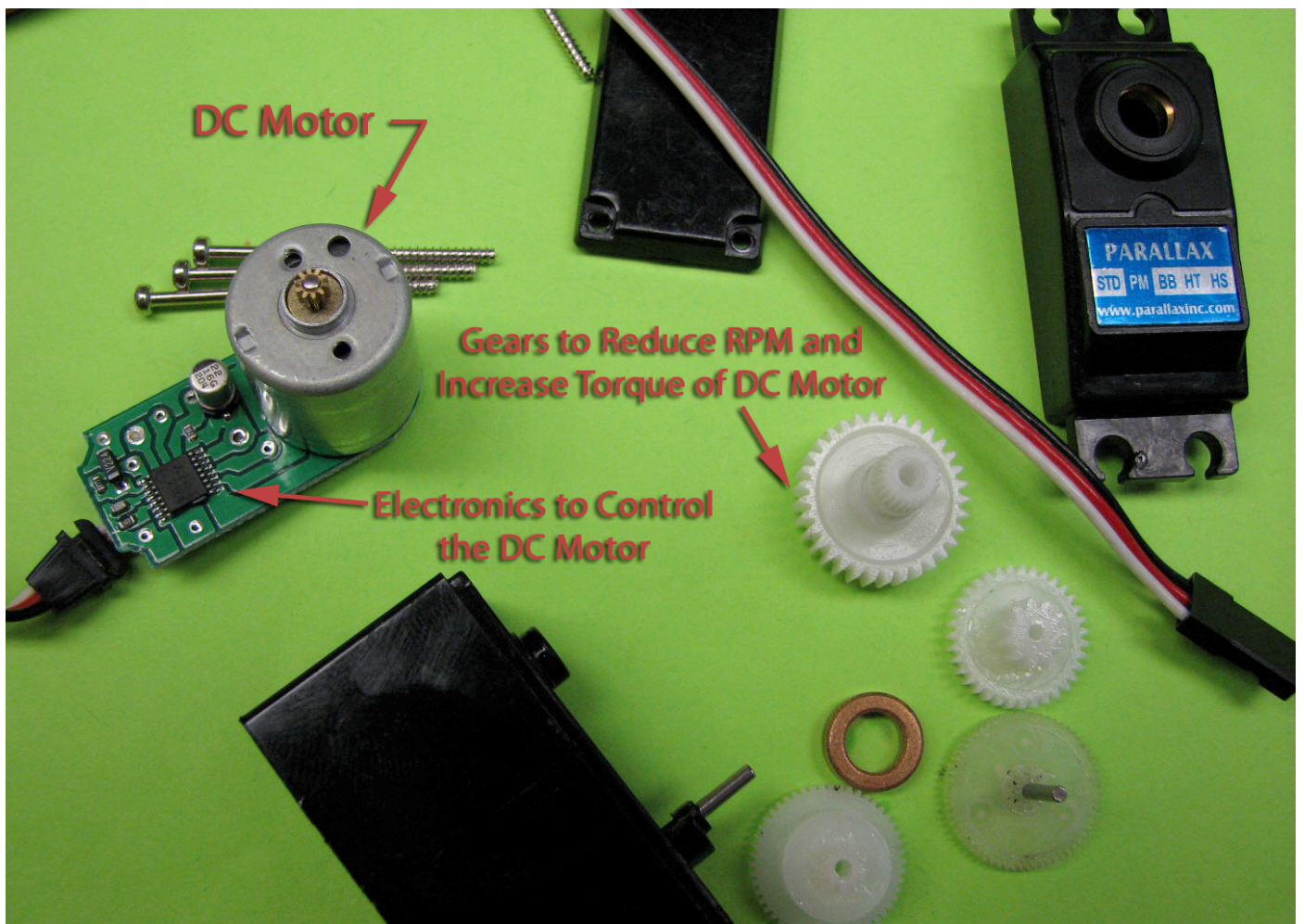


Servos:



Servo Components:

1. Small **DC motor**
2. **Gearbox** with small plastic gears to reduce the RPM and increase output torque
3. Special **electronics** inside the servo to interpret a pulse signal and deliver power to the motor

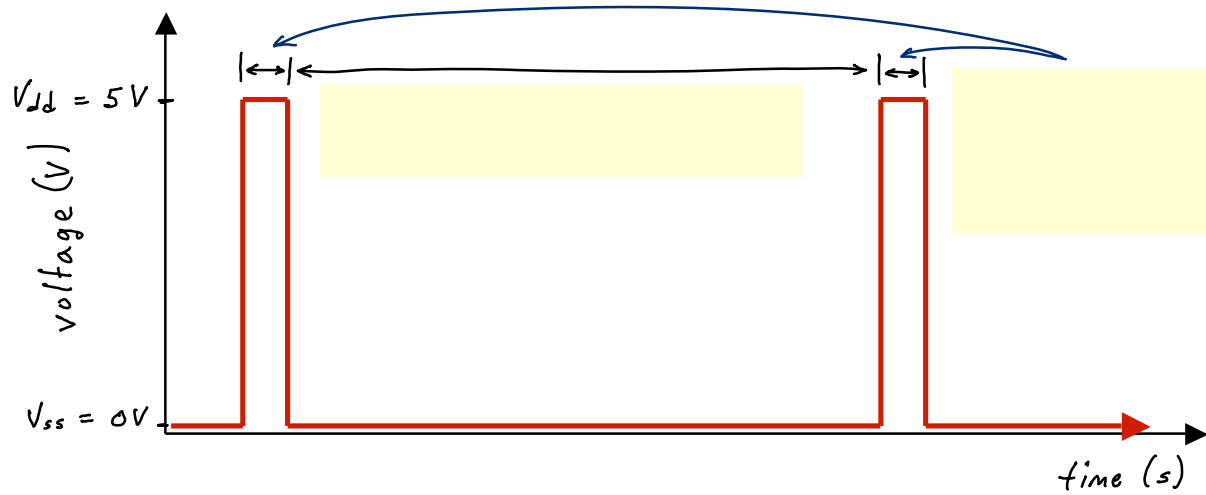


Types of Servos:

1. Continuous Rotation

2. Standard

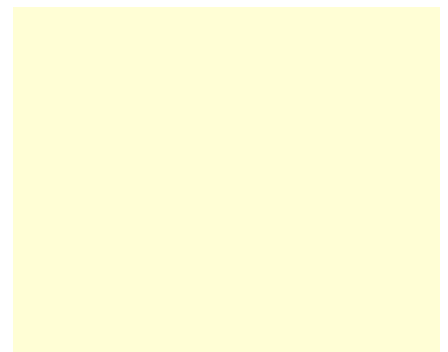
```
DO
  PULSOUT 12, 650
  PULSOUT 13, 850
  PAUSE 20
LOOP
```



How would you get other speeds?

PULSOUT pin, duration

duration	pulse width (ms)	servo action
650		
700		
750		
800		
850		



Programming:

```
' {$STAMP BS2}
' {$PBASIC 2.5}

counter VAR Byte

'full speed forward

FOR counter = 1 TO 122
    PULSOUT 12, 650
    PULSOUT 13, 850
    PAUSE 20
NEXT

'sharp left turn
FOR counter = 1 TO 122
    PULSOUT 12, 650
    PULSOUT 13, 650
    PAUSE 20
NEXT
```