1. Everything is fine at first. But after operating “uploading code -> disconnecting computer and Arduino -> connect the power of the motor and it started moving” this loop for a few rounds, maybe 4 to 5, suddenly, one of the DC Motor stops working anymore. None of the circuit and code is modifies during this time. Also, it’s not a heat issue.

One of the DC Motor stops working because the output pin which supposes to generate PWM signal stop doing its job. We use oscilloscope and multimeter to detect that.

Solution: Switch to official Arduino Mega Board.