*LED displays

The error code is identified by blinking pattern of LED on a CPU board

Red LED　Green LED　Orange LED　Turn off

Error code	Cause	LED lighting type
Normal condition	-	
E0 UV	The power voltage is too low. The voltage source capacity is small. [Note] It is a situation when the power supply is turned off.	
E1 OC	The wire to the motor is short-circuited. The load torque of the sewing machine is too high.	
E2 OV	The power voltage is too high. The sewing machine inertia is too high.	
E3 LK	The connector to the motor encoder is not securely inserting. The signals from the motor encoder are not correct. The sewing machine is locked.	
E4 CON	The connector(4 pins) to the motor encoder is not securely inserting. The signals from the motor encoder are not correct.	
E6 FIL	An extraordinary signal was inputted. (The signal as it repeats ON/OFF at the high frequency.) The noise from outside is entering an input signal.	
E8 DET	The position detector connector is not securely inserting. The signals from the detector are not correct.	
E9 SOL	The solenoid wiring is short-circuited. Solenoid defect (coil defect)	
M5 EEP	An error of the copy mode using the control panel. The control panel connector is not securely inserting. The voltage or the type of control panel is different.	
MA PDL	The position data of the internal lever unit is defective. When power supply is turned ON, the pedal is not neutral position. CPU board is changed.	
E11 12V	The fuse for +12V power supply is broken.	