

Error Display

When the control box detects an error, the error code is flickered on the control switch panel display. Confirm the error code, and investigate with the following table.

Error code	Probable cause	Inspection
Pwr.OF /POWER.OF	Is the power voltage too low? Is the power supply capacity too small? <div style="border: 1px dashed black; padding: 5px; margin-top: 5px;">Note: It does this display when power supply is turned OFF, but this is not an error.</div>	Check the power voltage. Check the power supply capacity.
E1 / E1	Is the wire to the motor short-circuited? Is the sewing machine load torque too high?	Check the motor wiring. Check the sewing machine.
E2 / E2	Is the power voltage too high? Is the sewing machine inertia too high?	Check the power voltage. Lengthen the deceleration time.
E3 / E3	Is the connector to the motor encoder securely inserted? Are the signals from the motor encoder broken ? Is the sewing machine locked? Is the motor locked?	Check the connector insertion. Check the ECA and ECB signal. (Refer to the E mode.) Check the sewing machine. Check the motor.
E4 / E4	Is the motor connector securely inserted? Are the signals from the motor connector correct?	Check the motor connector insertion. Check the motor connector.
E6 / E6	Is an extraordinary signal inputted? (The signal as it repeats ON/OFF at the high frequency.) Does the noise from outside enter an input signal?	Check the input signal. Remove a noise source.
E8 / E8	Is the position detector connector securely inserted? Are the signals from the detector broken ? (UP/DOWN signal interruption)	Check the detector connector insertion. Check the detector UP/DOWN signals. (Refer to the E mode.)
E9 / E9	Is the solenoid wiring short-circuited? Solenoid defect (coil defect)	Check the solenoid wiring. Replace the solenoid.
E11 / E11	Is the fuse for +12V power supply broken?	Check the fuse for the 12V power supply.
*E11 error code is not confirmed on the control switch panel when it happens because the LEDs on the control switch panel is turned OFF, but the status display LED on the control box flickers in orange colored as the interval of 0.3 sec. It will be confirmed in error code history after returning to a normal condition.		

M5 / M5	An error of the copy mode using the control switch panel. Is the control switch panel connector securely inserted? The voltage or the type of control switch panel is difference.	Check the connector insertion. Check the voltage and the type are right.
MA / MA	The position data of the lever unit is defective. When power supply is turned ON, the pedal is not neutral position. (The status display LED on the control box turn on in orange colored.)	The pedal is neutralized. (It returns automatically 1 second later.) (Refer to the VCSET setting (page 39).)

Others	Probable cause	Inspection
The sewing machine does not run when the pedal pressed.	Are the operation signals from the lever unit broken? Is the input signal S6 broken ?	Check the lever unit signal. (Refer to [E] mode S1 signal.) Check the status display LED. If flickering, reset the signal. Confirm the sewing machine connector.
The sewing machine does not run at the high speed.	It does not display 99 in normal mode. Is the variable speed voltage with the pedal toed down low? Is the motor pulley diameter too small?	Change 99 using control box [D] key. Check the variable speed voltage. (Refer to [E] mode.) Check the motor pulley diameter.(Refer to [5]-3)
The thread is not trimmed even with heeling.	Is the thread trimming signal (S2) from the lever unit broken? Is the cancel thread trimmer operation S2L(mode[P]) ON? Is the trim key of the control switch panel OFF?	Check the signal S2. (Refer [E] mode.) Set S2L(mode[P]) to OFF. Set the trim key to ON.
The presser foot lifter output does not operate.	Is the light heeling signal (S3) or the thread trimming signal (S2) from the lever unit broken? Is the presser foot lift signal (F) broken? Is the presser foot output (FU) broken?	Check signals S2 and S3. (Refer [E] mode.) Check signal F. (Refer [E] mode.) Check FU output. (Refer [E] mode.)