

SERVICE REQ. 00010003

- ☐ Error meaning:
PF Motor in-position time-out
- ☐ Explanation
At PF stop processing in PF Motor control, there may be a case where the paper can not move to the final target position within a specified period of time. In such a case, this message is displayed and the printer stops operating.
- ☐ Points to be checked
1. The PF Encoder Sensor and the PF Loop Scale must be free from dust and dirt or any other foreign matters.
 2. Execute encoder checking by the ["1.4.6.1 Self Testing Menu \(SELF TESTING\)" \(p80\)](#) in "Maintenance Mode 2".
 3. The PF Timing Belt must be free from any defects and the belt must be in proper tension.
 4. The PF Roller must rotate smoothly, free from undue load.
 5. Measure the resistance value of the PF Motor ($17.9 \pm 15\% [\Omega]$). If the PF Motor is found in short mode, replace the C511 MAIN Board at the same time.
 6. All the harness must be connected properly and free from short circuit or broken wire.

- ☐ Remedy
1. Check for dirt, paper dust or damage to the Loop Scale.
 2. Perform the [PF Timing Belt Tension Adjustment \(p365\)](#)
 3. Replace the [PF Encoder Sensor \(p349\)](#)
 4. Replace the [Motor Assy., PF \(p341\)](#)
 5. Replace the [C511 MAIN Board \(p221\)](#)

SERVICE REQ. 00010004

- ☐ Error meaning:
CR Motor Encoder check error
- ☐ Explanation
During initial operation at power on or during CR Motor operation, there may be a case where the encoder pulse signal is not input at specified intervals. In such a case, this message is displayed and the printer stops operating.
- ☐ Cause of trouble
- Disconnected FFC for the CR Encoder Sensor.
 - Disconnected connector for the CR Motor.
 - Broken wire for the CR Motor Encoder Sensor.
 - Inverted wiring for A and B pulses.
 - Inverted wiring for the CR Motor.
 - CR Motor short
- ☐ Points to be checked
1. CR Scale is disconnected from CR Encoder Sensor.
 2. The CR Encoder Sensor and the CR Scale must be free from dust and dirt or any other foreign matters.
 3. Execute encoder checking by the ["1.4.6.1 Self Testing Menu \(SELF TESTING\)" \(p80\)](#) in "Maintenance Mode 2".
 4. The CR Timing Belt must be free from any defects and the belt must be in proper tension.
 5. The Carriage Unit must slide smoothly, free from undue load.
 6. Measure the resistance value of the CR Motor. ($17.9 \pm 10\% [\Omega]$)
 7. All the harness must be connected properly and free from short circuit or broken wire.
- ☐ Remedy
1. Check to see if the CR Scale for detection of the encoder pulse is removed.
 2. Check for dirt, paper dust or damage to the CR Scale.
 3. Check if connection of the CR Encoder Sensor connector or Motor Assy., CR connector.
 4. Perform the [CR Timing Belt Tension Adjustment \(p363\)](#)
 5. Replace the [CR Encoder Sensor \(p273\)](#)
 6. Replace the [Motor Assy., CR \(p264\)](#)
 7. Replace the [C511 MAIN Board \(p221\)](#)