

Troubleshooting Err80.3

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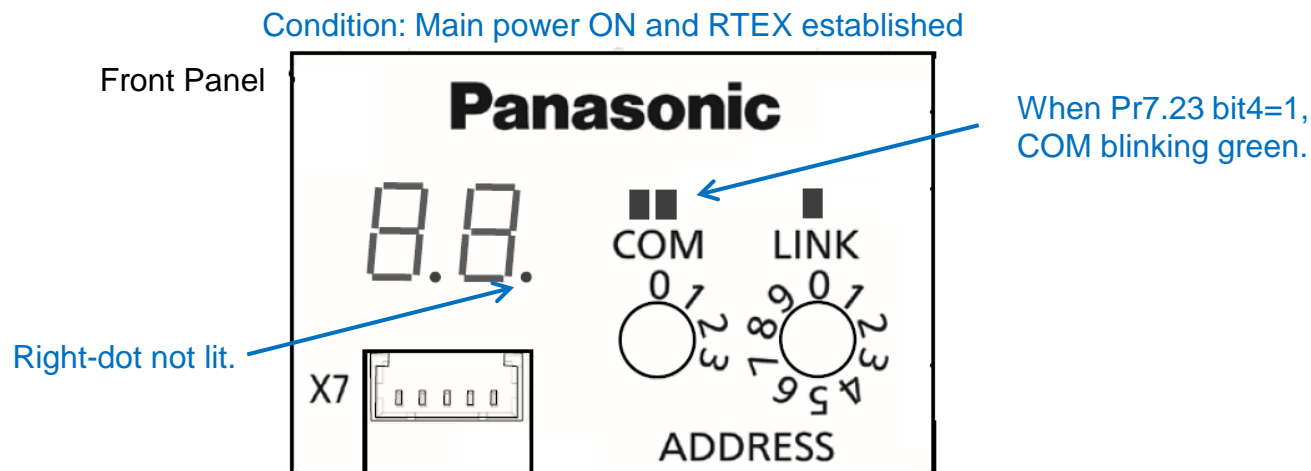
Symptom in Err80.3 NOT supported case

In servos that do not support Err80.3 (Incomplete PLL Error), if the following symptom, use this document.

Symptom < Indicators on Front Panel >

In both main power ON and RTEX established, the right-dot that indicates servo-ready is OFF on the 7-segment LED, **thus it cannot transition to servo-ON.**

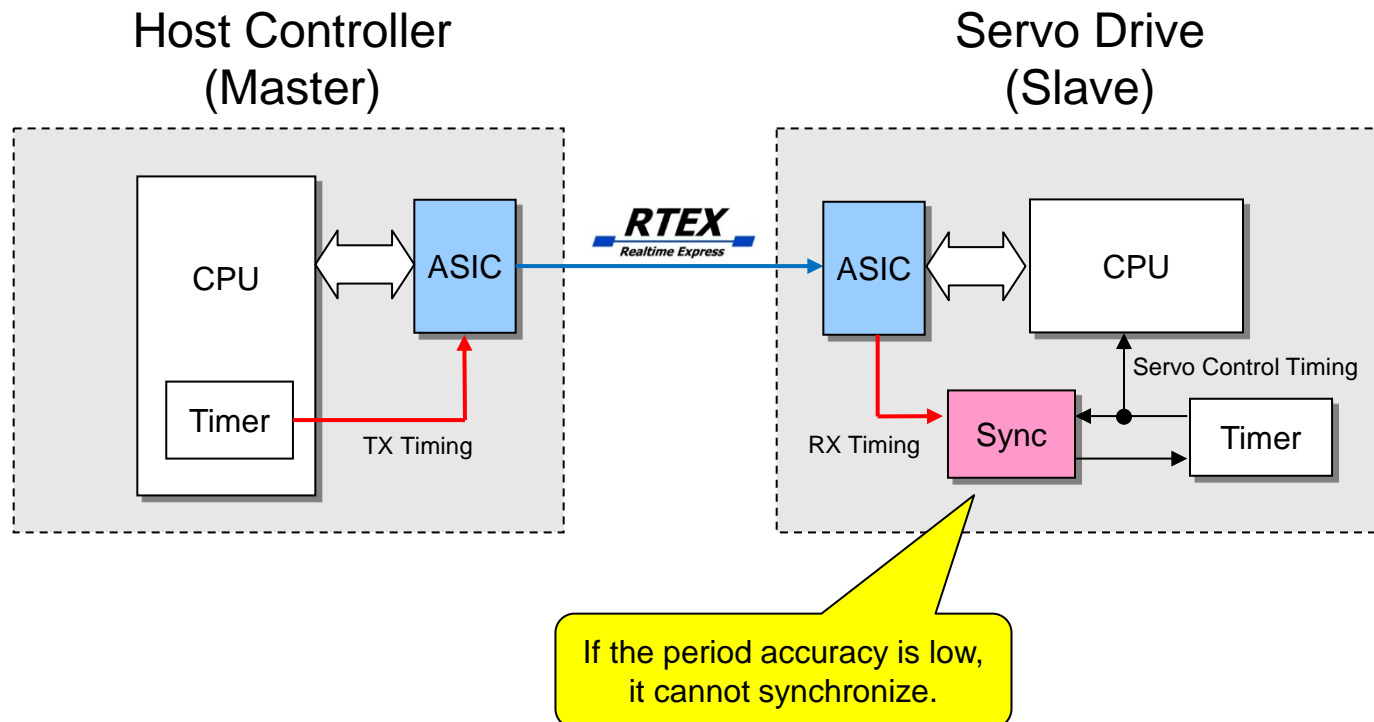
In this situation, when setting the parameter Pr7.23 bit4 to 1, the COM LED changes from solid- to blinking-green.



Note: In rare cases, there is Err83.1 (RTEX continuous com error 2).

Cause

Because the communication period accuracy is not sufficient, the servo drive cannot synchronize the servo control with the communication.



Note: In this figure, PHY and pulse transformer are omitted.

Solution

Make the communication period accuracy as high as possible in the host controller, and the tolerance is within $\pm 0.05\%$.

Host Controller (Master)

