The copier performs a self-diagnostic sequence to determine if the microprocessor outputs a signal to each of the IC ports on Master Board PWB-A properly. It is intended for detecting the following malfunctions (C03**). If the microprocessor fails to output any of these signals or if any of the electronic components on the board (driver IC, etc.) is faulty, the copier determines that there is a faulty condition existing and shows on the Message Display the corresponding malfunction code.

* To correct any of these problems, replace the Master Board.

Code	Output Signal	Port
C0300	The input signal starting the diagnostic sequence does not go HIGH.	IC1A P85
C0311	AVR PWM	IC1A P50
C0312	H1 REM	IC1A P51
C0313	Grid PWM	IC1A P56
C0314	PWB-H PWM	IC1A P60
C0315	SL-4 UP	IC5A APC1
C0316	SL-4 DOWN	IC5A APC0
C0317	LA2 DATA	IC1A P64
C0318	LA2 MODE	IC1A P65
C0319	LA2 CLK	IC1A P66
C031A	LA2 STROBE	IC1A P67
C031B	M8 REM	IC4A APA3
C031C	M9 REM	IC4A APA2
C031D	AVR REM	IC4A APA1
C031E	SCAN	IC4A APA0
C031F	SL1 REM	IC4A APC6
C0320	M4 Switching	IC4A APC5

Code	Output Signal	Port
C0321	SL5	IC4A BPA7
C0322	Separator/Bias REM	IC4A BPA6
C0323	Drum Charge/Image Transfer REM	IC4A BPA5
C0324	CL1	IC4A BPA4
C0325	CL2	IC4A BPA3
C0326	CL3	IC4A BPA2
C0327	SL3	IC4A BPA1
C0328	SL2	IC4A BPA0
C0329	M1 REM	IC5A BPC7
C032A	Vendor (in copy cycle)	IC5A BPA7
C032B	Vendor (size)	IC5A BPA6
C032C	UN2 Area 1	IC5A BPA5
C032D	UN2 Area 2	IC5A BPA4
C032E	ENABLE	IC5A BPA2
C032F	Seal Bias REM	IC5A BPA1
C0331	RY3 REM	IC5A BPC5
C0332	M5 REM	IC5A BPC4
C0333	LA3	IC5A APC3