

● Error Code List

Error Code	Cause
FF80 / FF00 (Encoder recognition error)	<ol style="list-style-type: none"> 1) Encoder Connectors fail to connect 2) Voltage falls below 5V
FFFE (Actuator does not reach initial position)	<ol style="list-style-type: none"> 1) BLS does not detect the initial position of the actuator (ball screw) 2) Malfunction of encoder 3) Voltage falls below 5V
FFFF (Encoder information error)	<ol style="list-style-type: none"> 1) Voltage falls below 5V 2) Malfunction of encoder 3) Malfunction of DSP board
1080/10C3/11C3 (Overcurrent)	<ol style="list-style-type: none"> 1) Servo motor overload 2) Malfunction of magnetic brake 3) Malfunction of controller 4) Malfunction of servo motor
880/C80 (Power Module error)	<ol style="list-style-type: none"> 1) Malfunction of power module 2) Voltage falls below 5V 3) Malfunction of servo motor
180/1C3 (Initial position sensor failure)	<ol style="list-style-type: none"> 1) BLS does not detect the initial position of the actuator (ball screw) 2) Voltage falls below 5V 3) Malfunction of servo motor 4) Servo motor overload
480/4C3 (Low voltage)	<ol style="list-style-type: none"> 1) Low voltage of main input (under 220V) 2) Servo motor overload 3) Voltage falls below 5V 4) Malfunction of servo motor
4080/4880 (Overvoltage)	<ol style="list-style-type: none"> 1) Overvoltage of main input (over 220V) 2) Malfunction of regenerative resistor 3) Servo motor overload 4) Malfunction of controller 5) Malfunction of servo motor
1480/14C3 (Voltage instability)	<ol style="list-style-type: none"> 1) Voltage instability 2) Servo motor overload 3) Malfunction of controller 4) Malfunction of servo motor
F800/F880	<ol style="list-style-type: none"> 1) Power not transmitted to break board 2) Malfunction of break board

● Error Code List

Item to Inspect Error Code	Motor	Controller	Actuator	BLS	Motion Board	Power Supply	Notes
Refer to Page:	2_2_2	2_5_3	2_4_2	2_3_2	2_6_2	2_7_2	
FF80	1st	2nd					
FF00	1st	2nd					
FFFE	3rd	2nd		1st			
FFFF	1st	2nd					
1080	1st	2nd	3rd				
1480	1st	2nd	3rd				
10C3	1st	2nd	3rd				
14C3	1st	2nd	3rd				
11C3	1st	2nd	3rd				
F800	2nd	1st					
F880	2nd	1st					
880	2nd	1st					
C80	2nd	1st					
180	2nd			1st			
480	2nd	1st					
1C3	3rd	2nd	4th	1st			
4080	2nd	1st					
4880	2nd	1st					
Noise & vibration			1st				
OFFLINE	1. Reboot the applicable 4DX Motion Chair 2. Check the LAN cable (1_1_8)				3rd		
Motion malfunction	1. Check motion data and show name 2. Check the firmware version of Motion Board				3rd		Refer to 4DX Operating Manual
Data transfer error	1. Reboot the Motion PC 2. Re-transfer the motion data 3. Check the LAN cable (1_1_8)				3rd		
Unit power not transmitting	1. Check the input voltage (circuit breaker position)					2nd	