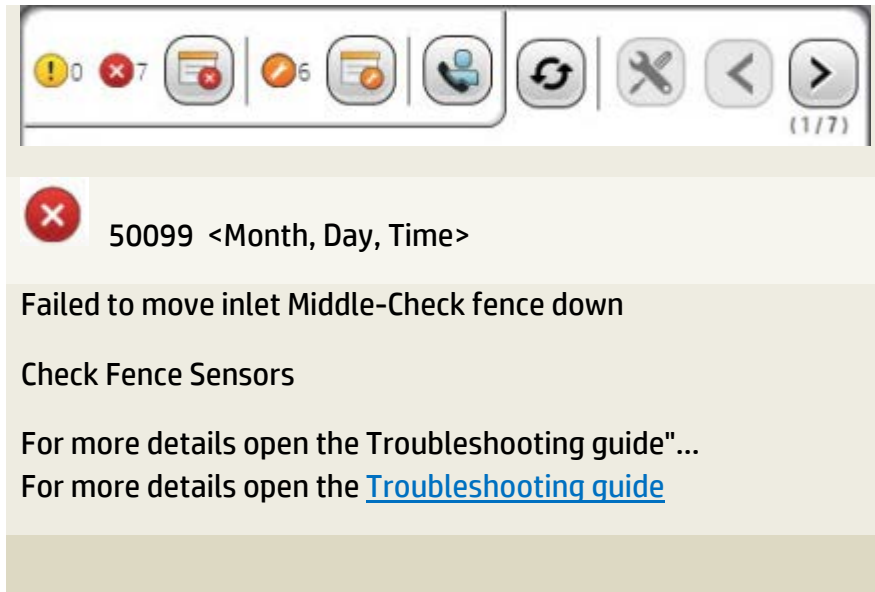


FB10000 Error Messages Troubleshooting

Error ID: 50099 – MH – Failed to move inlet Middle-Check fence down

Error Message:



Possible Causes

- [Mechanical block](#)
- [Sensor problem](#)
- [Pneumatic problem](#)
- [Wiring problem](#)

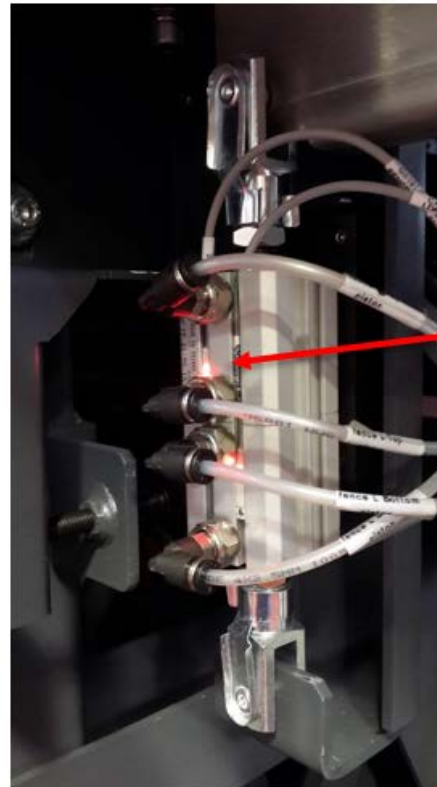
Recommended actions

Mechanical block

1. Move the ML table away from the machine
2. Inspect the pistons to ensure that they are not mechanically blocked.
3. Inspect the fence to ensure that it is not mechanically blocked.

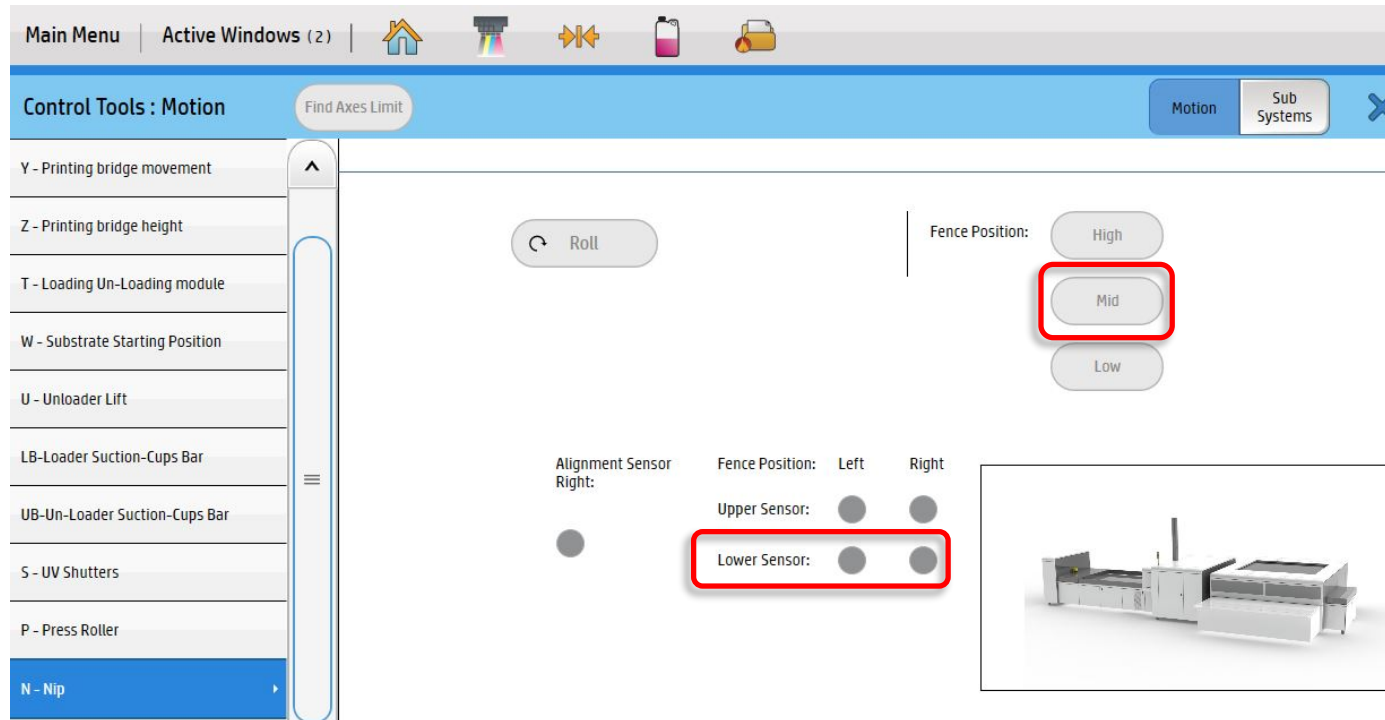
Sensor problem

1. Remove the Multiload table from the machine.
2. Make sure that the sensors are well connected to their Molex plugs.
3. Visually inspect the sensors to ensure that their red LED is ON, if the LED is OFF, use a small flathead screw driver to release the sensor's set screw and slowly slide it along the piston until the LED is ON, then fasten the screw to secure the sensor in its correct position.



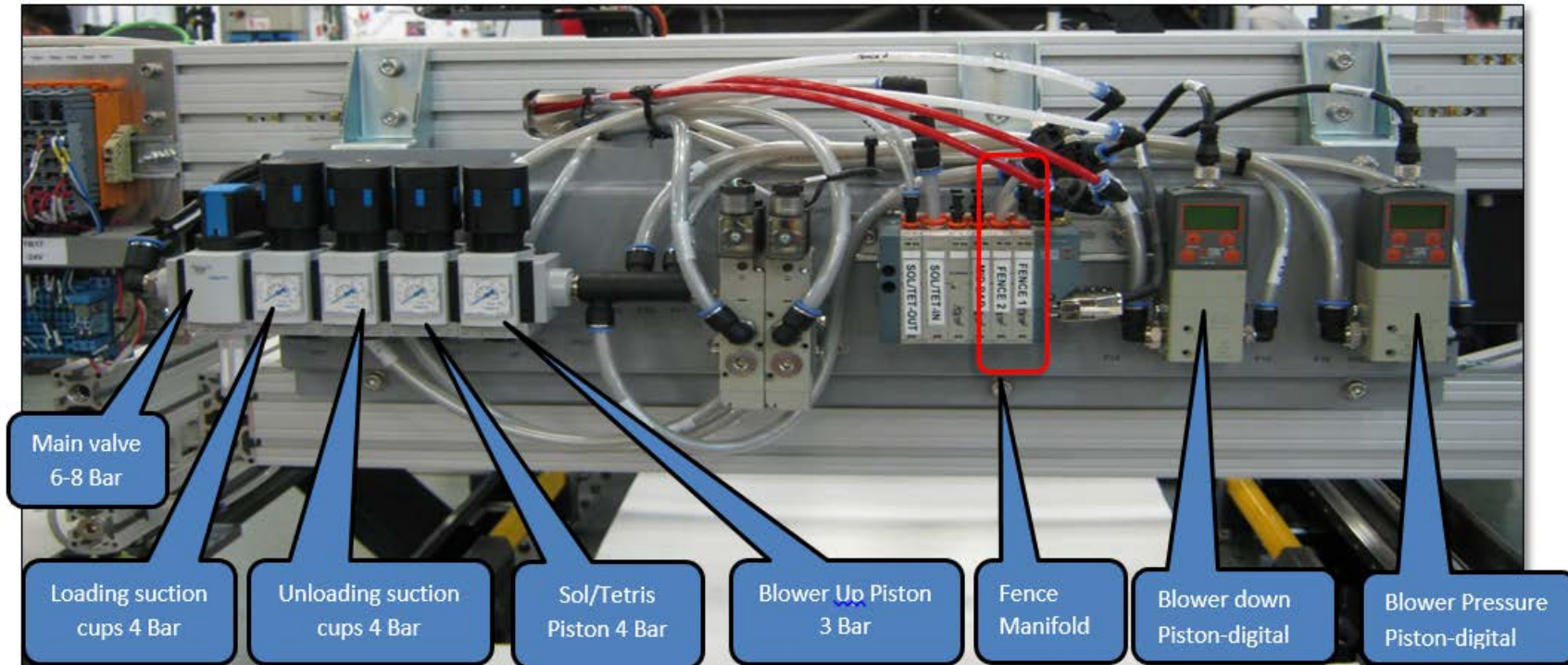
Sensor LEDs

4. Verify the sensor functionality through Control Tools -> Motion -> NIP -> Fence Position

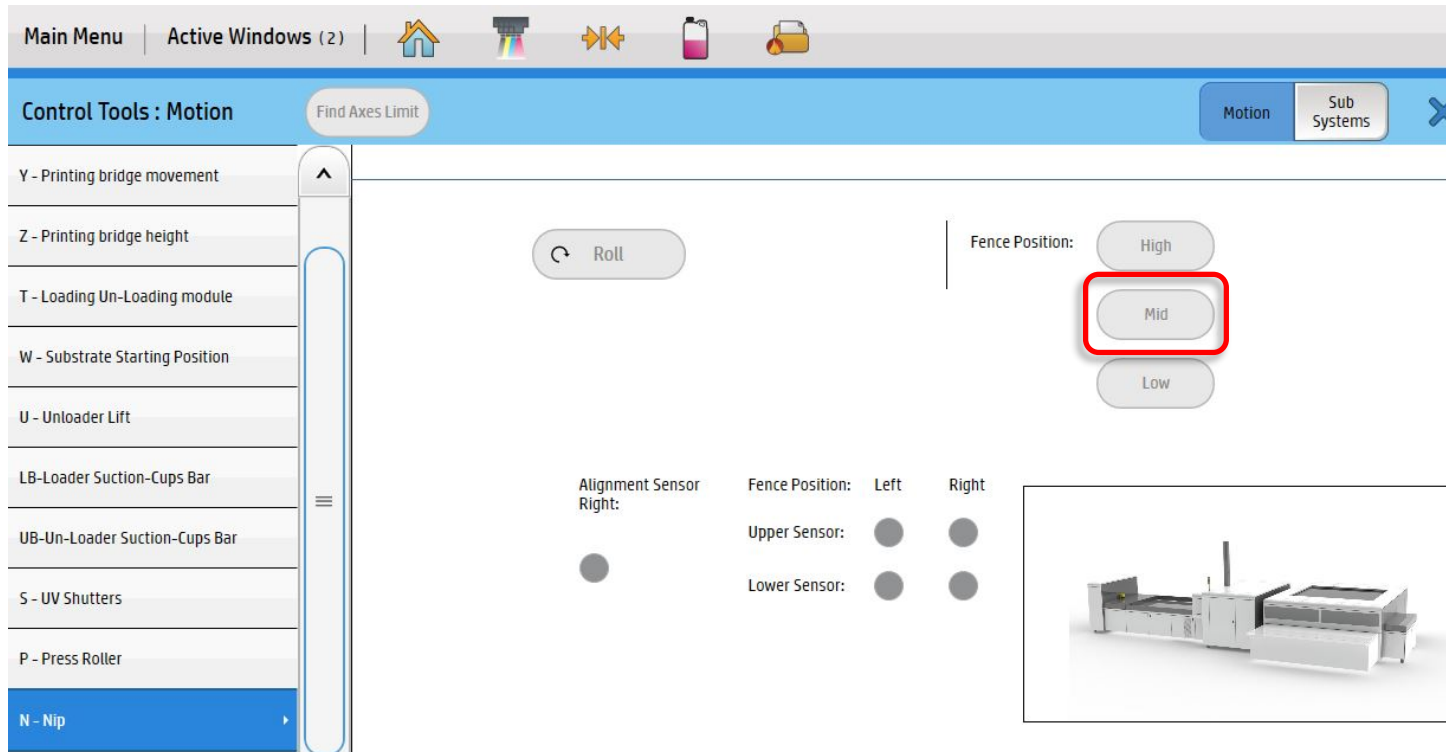


Pneumatic fault (step 5 is for HP CE only)

1. Make sure that all the tubes are well connected to the pistons' fittings
2. Make sure that the tubes are not kinked or pinched along their path
3. Make sure that the main air pressure is set to 6-8 Bar
4. Make sure that the Loader pneumatic panel has air pressure (see the 4 gauges for indication)



- Remove the panel covering the loader pneumatic panel and make sure that air pressure is coming in and out freely to and from Fence 1 and Fence 2 units. You can perform this check by activating the fence via Control Tools.



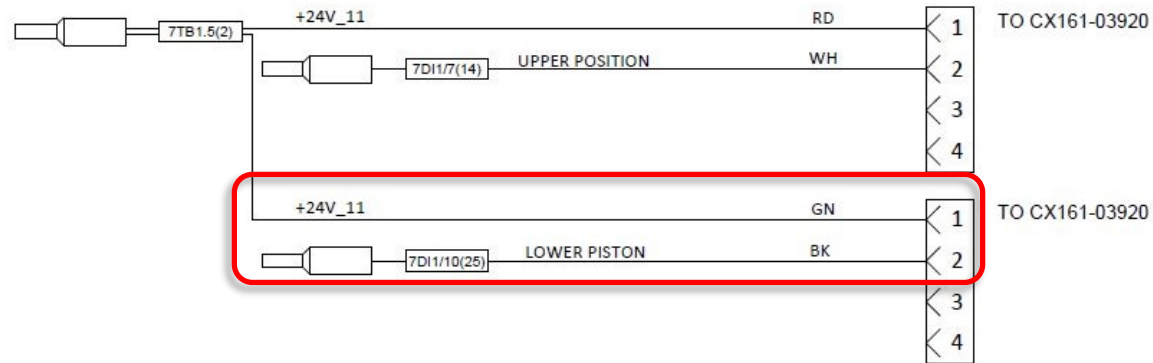
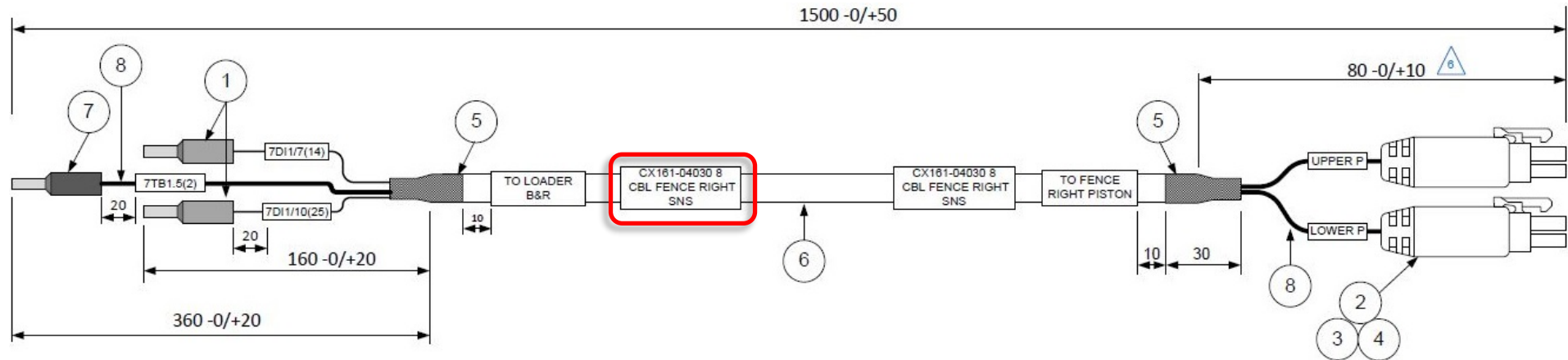
Attention! This step can be perform exclusively by an HP Scitex certified engineer!

Wiring failure

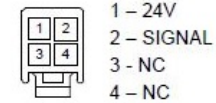


1. Remove the cover of the loader pneumatic panel
2. Verify the following connections for the signals received from the pistons sensors:
 - Pin #15 or #25 (according to the side that has the problem)

Input Module 7DI1 (X20DI9371) – ST2												
Green = LED ON Gray = LED OFF						LED Status	Green = LED ON Gray = LED OFF					
Note: Input LEDs may change status (Green/Gray) during the printer normal job with respect to application demand.							Note: Input LEDs may change status (Green/Gray) during the printer normal job with respect to application demand.					
W/O Media (sensor deactivated) Sensor Led - OFF Digital Input Led -OFF	With Media (sensor activated) Sensor Led - ON (Light) Digital Input Led - ON (Light)	1	CX161-01330	W LEFT ALIGN SNS	11	11 21	21	IRON ROLLER FRONT (1) LIMIT DOWN (P)	CX161-01100	2	Sensor flag - out (sensor deactivated) Sensor Led - ON (Light) Digital Input Led - ON (Light)	Sensor flag - in (sensor activated) Sensor Led - OFF Digital Input Led -OFF
W/O Media (sensor deactivated) Sensor Led - OFF Digital Input Led -OFF	With Media (sensor activated) Sensor Led - ON (Light) Digital Input Led - ON (Light)	3	CX161-04070	W RIGHT ALIGN SNS	12	12 22	22	IRON ROLLER FRONT (1) LIMIT UP (N)	CX161-01100	4	Sensor flag - out (sensor deactivated) Sensor Led - ON (Light) Digital Input Led - ON (Light)	Sensor flag - in (sensor activated) Sensor Led - OFF Digital Input Led -OFF
Upper Piston UP (sensor deactivated) Sensor Led -OFF Digital Input - OFF	Upper Piston Down (sensor activated) Sensor Led -ON (light) Digital Input - ON (light)	5	CX161-03960	FENCE LEFT UPPER PISTON (UP SNS_1)	13	13 23	23	IRON ROLLER BACK (2) LIMIT DOWN (P)	CX161-01100	6	Sensor flag - out (sensor deactivated) Sensor Led - ON (Light) Digital Input Led - ON (Light)	Sensor flag - in (sensor activated) Sensor Led - OFF Digital Input Led -OFF
Upper Piston UP (sensor deactivated) Sensor Led -OFF Digital Input - OFF	Upper Piston Down (sensor activated) Sensor Led -ON (light) Digital Input - ON (light)	7	CX161-04030	FENCE RIGHT UPPPER PISTON (UP SNS1)	14	14 24	24	IRON ROLLER BACK (2) LIMIT UP (N)	CX161-01100	8	Sensor flag - out (sensor deactivated) Sensor Led - ON (Light) Digital Input Led - ON (Light)	Sensor flag - in (sensor activated) Sensor Led - OFF Digital Input Led -OFF
Lower Piston UP (sensor deactivated) Sensor Led -OFF Digital Input - OFF	Lower Piston Down (sensor activated) Sensor Led -ON (light) Digital Input - ON (light)	9	CX161-03960	FENCE LEFT LOWER PISTON (DOWN SNS_2)	15	15 25	25	FENCE RIGHT LOWER PISTON (DOWN SNS_2)	CX161-04030	10	Lower Piston Down (sensor activated) Sensor Led -ON (light) Digital Input - ON (light)	Lower Piston UP (sensor deactivated) Sensor Led -OFF Digital Input - OFF
		11			16	16 26	26			12		
False (PLC Program Condition)	True (PLC Program Condition)	LED	Cable	Description	TB	Terminal Block	TB	Description	Cable	LED	True (PLC Program Condition)	False (PLC Program Condition)

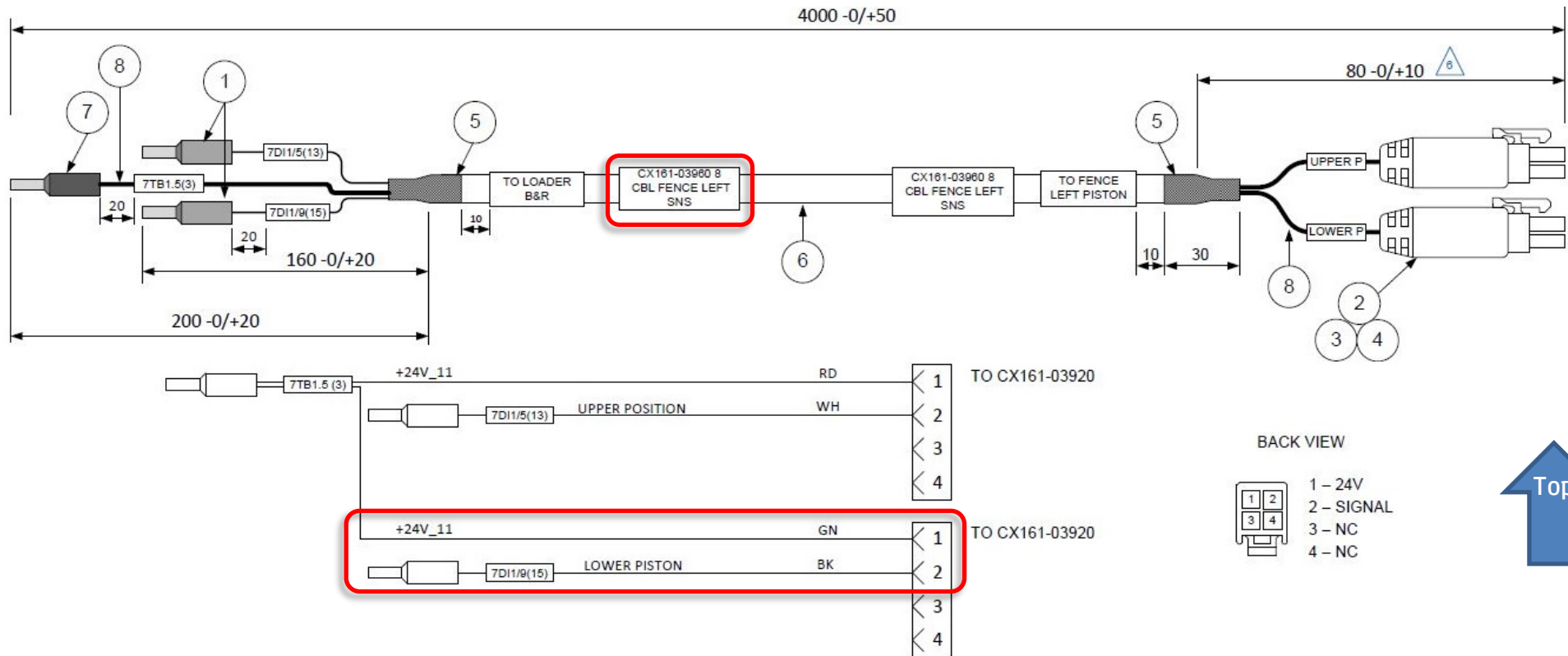


BACK VIEW

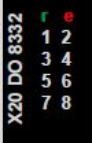


- 1 – 24V
- 2 – SIGNAL
- 3 – NC
- 4 – NC





3. Verify the following connections to check the valves responsible for activating the pistons:
 - Pin #13 of BnR module 7D02 (on the loader static frame)

Output Module 7D02 (X20DO8332) – ST7									
Orange = LED ON Gray = LED OFF Note: Input LEDs may change status (Yellow/Gray) during the printer normal job with respect to application demand.				LED Status 	Orange = LED ON Gray = LED OFF Note: Input LEDs may change status (Yellow/Gray) during the printer normal job with respect to application demand.				
LED	Cable	Description	TB	Terminal Block	TB	Description	Cable	LED	
1			11	11 21	21	SOL & TETRIS VLV (STIF)	CX161-01350	2	
3			12	12 22	22	UPPER PISTON (FENCE 2)	CX161-01350	4	
5	CX161-01350	LOWER PISTON (FENCE 1)	13	13 23	23			6	
7	CX161-01350	MID_BAR UNLOADER	14	14 24	24			8	
	Bridge Internal Wire	+24VDC_3	15	15 25	25				
	Bridge Internal Wire	-24V_5 (GND)	16	16 26	26				



- D-Type connector on the right side of the fence manifold.

