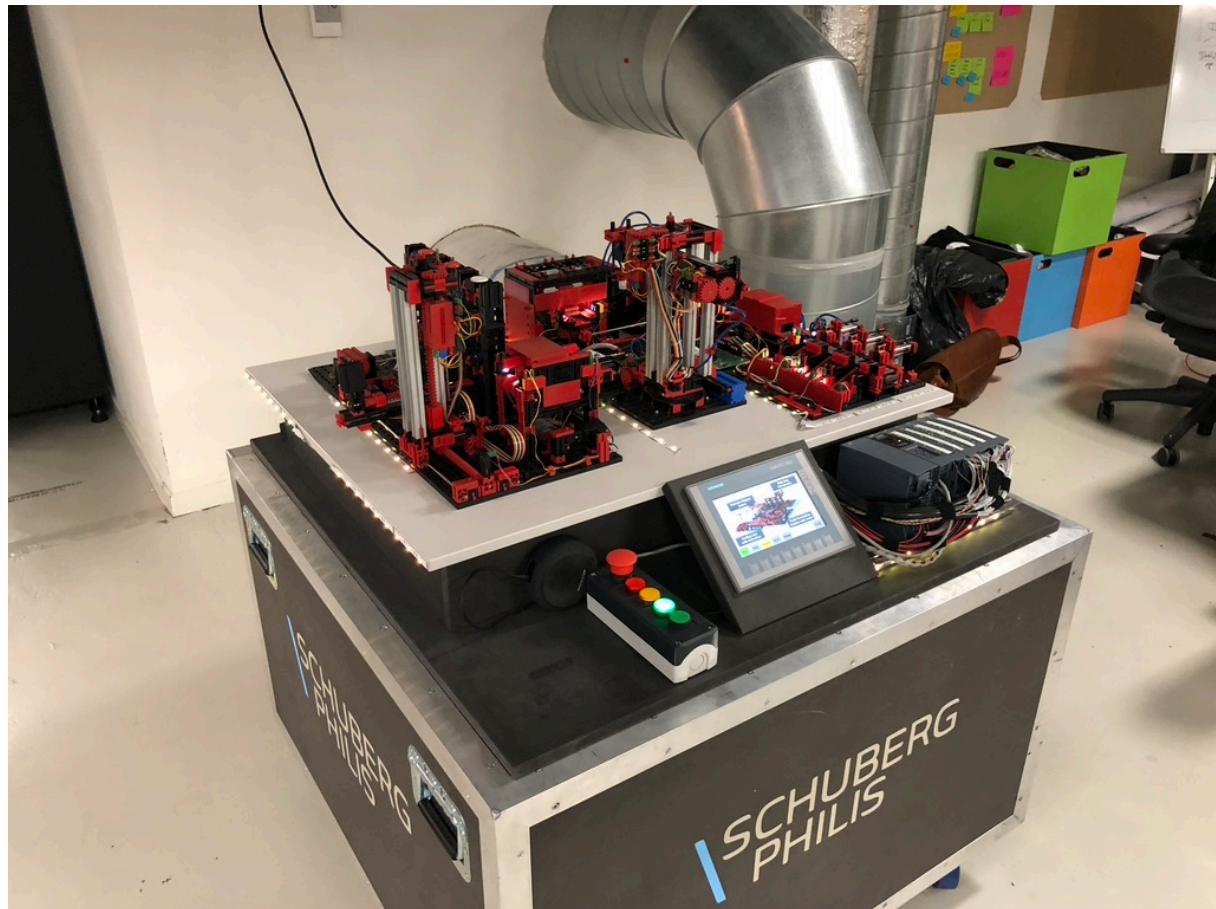


fischertechnik Factory

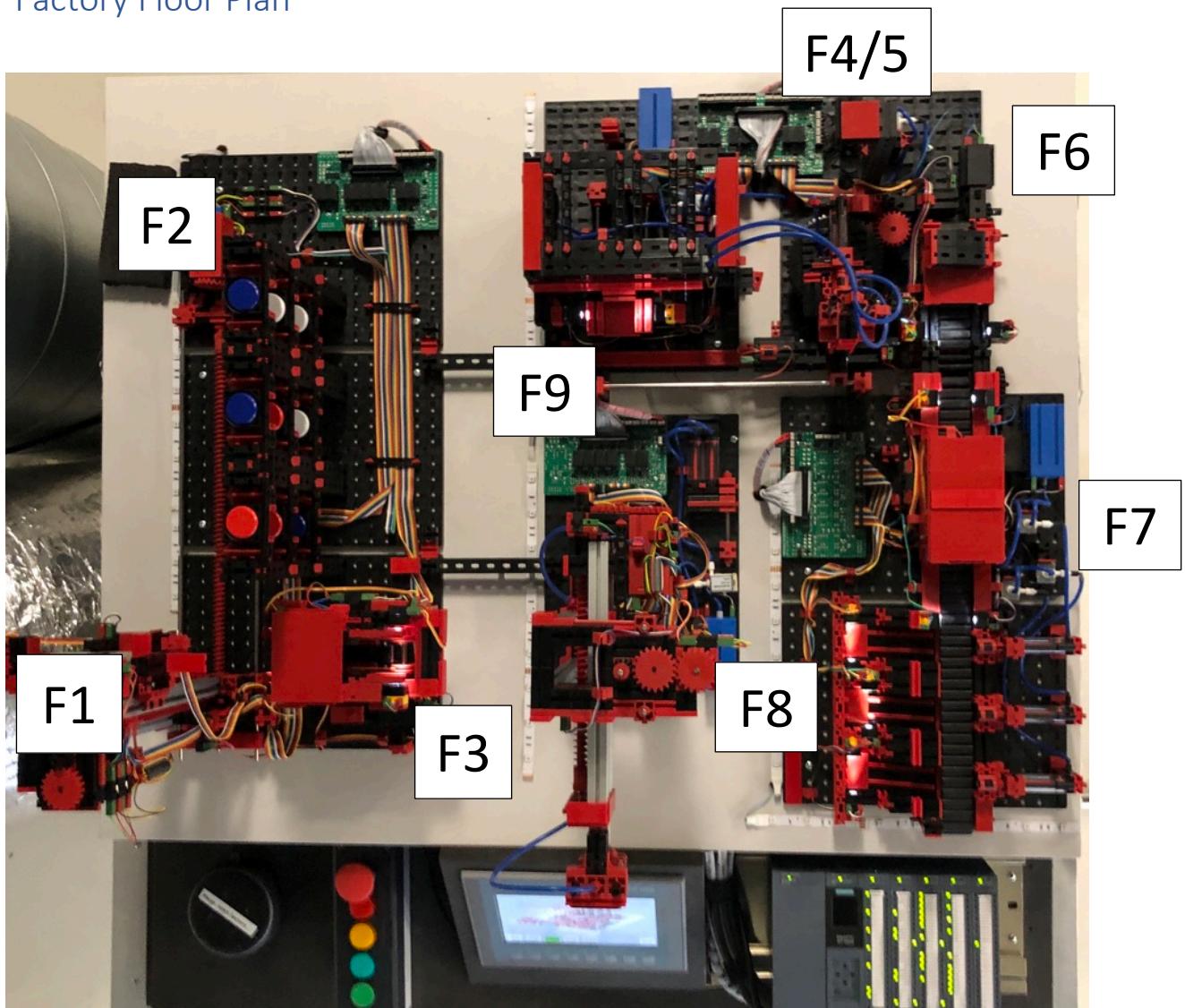
Support Documentation



Version: 1.0

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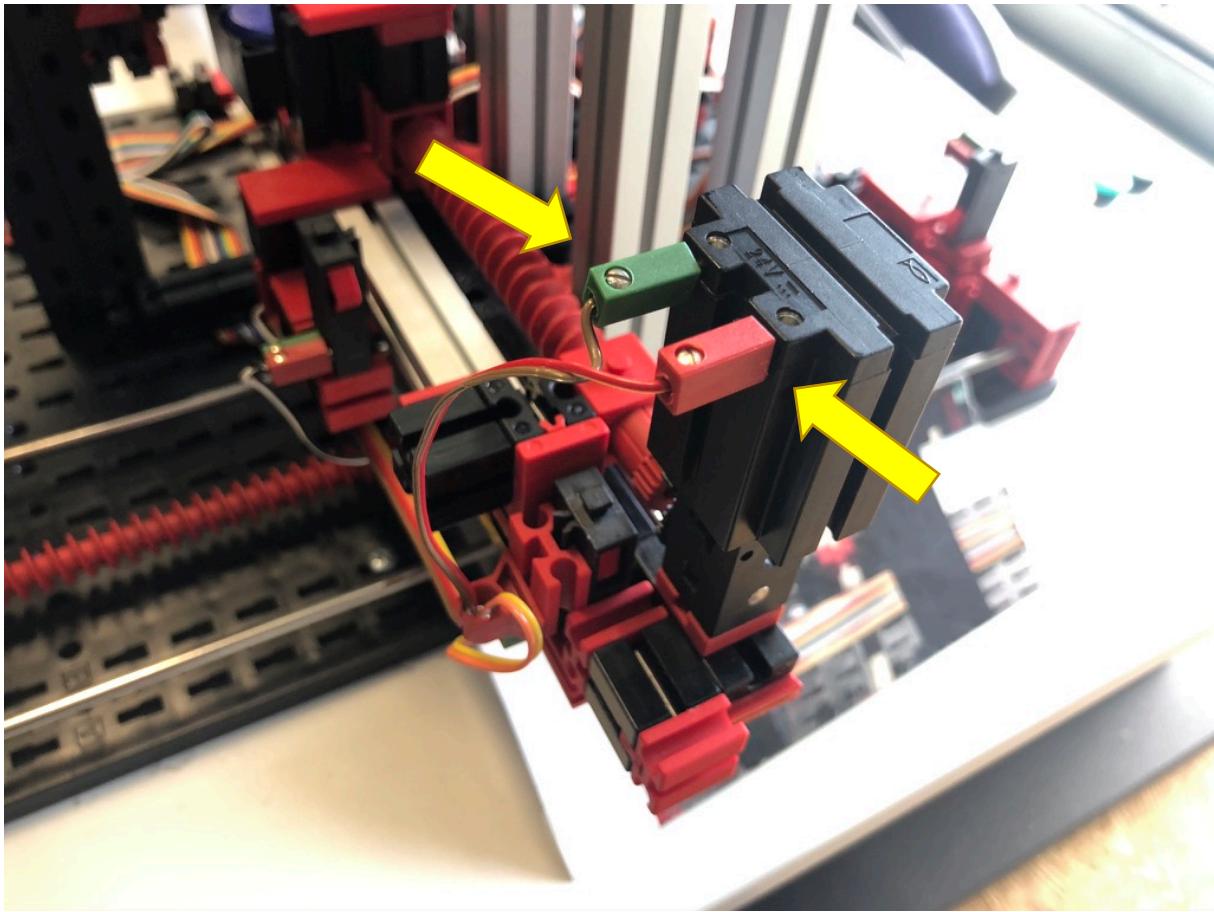
Factory Floor Plan



Failure codes

Code	Failure	Component	Page
F1	Reach motor failure	High-bay Warehouse	3
F2	Horizontal motor failure	High-bay Warehouse	4
F3	Conveyor belt failure	High-bay Warehouse	5
F4	Saw motor failure	Processing Line	6
F5	Pneumatic pressure failure	Processing Line	7
F6	Conveyor belt failure	Quality Check Line	8
F7	Pneumatic pressure failure	Quality Check Line	9
F8	Color reading failure	Quality Check Line	10
F9	Oven melting failure	Processing Line	11

F1 - Reach motor failure



Problem

The factory is halted with error F1 - Reach motor failure.

Component

High-bay Warehouse

Location

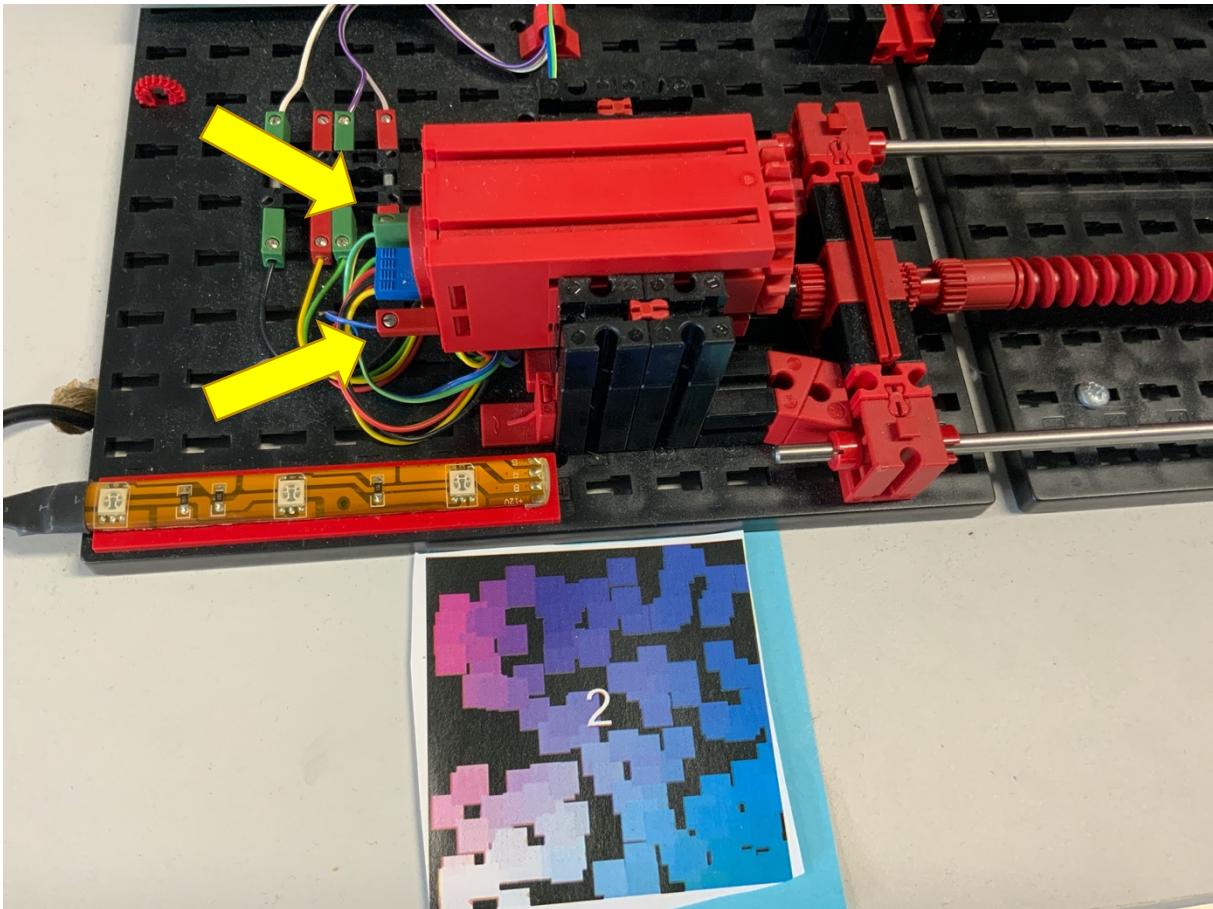
The reach motor in the arm of the High-bay Warehouse crane.

Instructions

Please check the electrical wiring to the reach motor on the crane arm. Reconnect the green and/or red wire to provide power to the electrical motor.

Then **restart** the factory on the computer.

F2 - Horizontal motor failure



Problem

The factory is halted with error F2 - Horizontal motor failure.

Component

High-bay Warehouse

Location

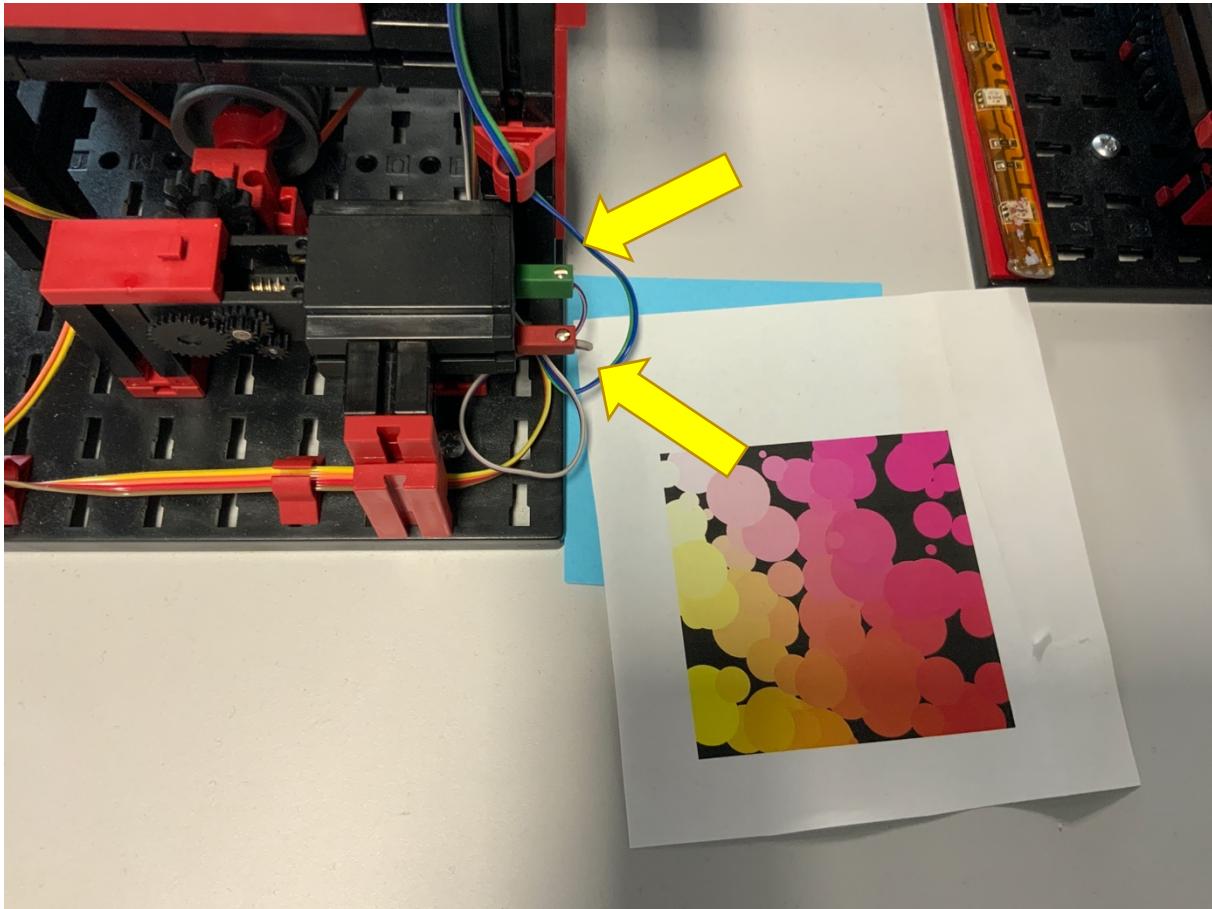
The horizontal motor on the left side of the High-bay Warehouse.

Instructions

Please check the electrical wiring to the horizontal motor. Reconnect the green and/or red wire to provide power to the electrical motor.

Then **restart** the factory on the computer.

F3 - Conveyer belt failure



Problem

The factory is halted with error F3 – Conveyer belt failure.

Component

High-bay Warehouse

Location

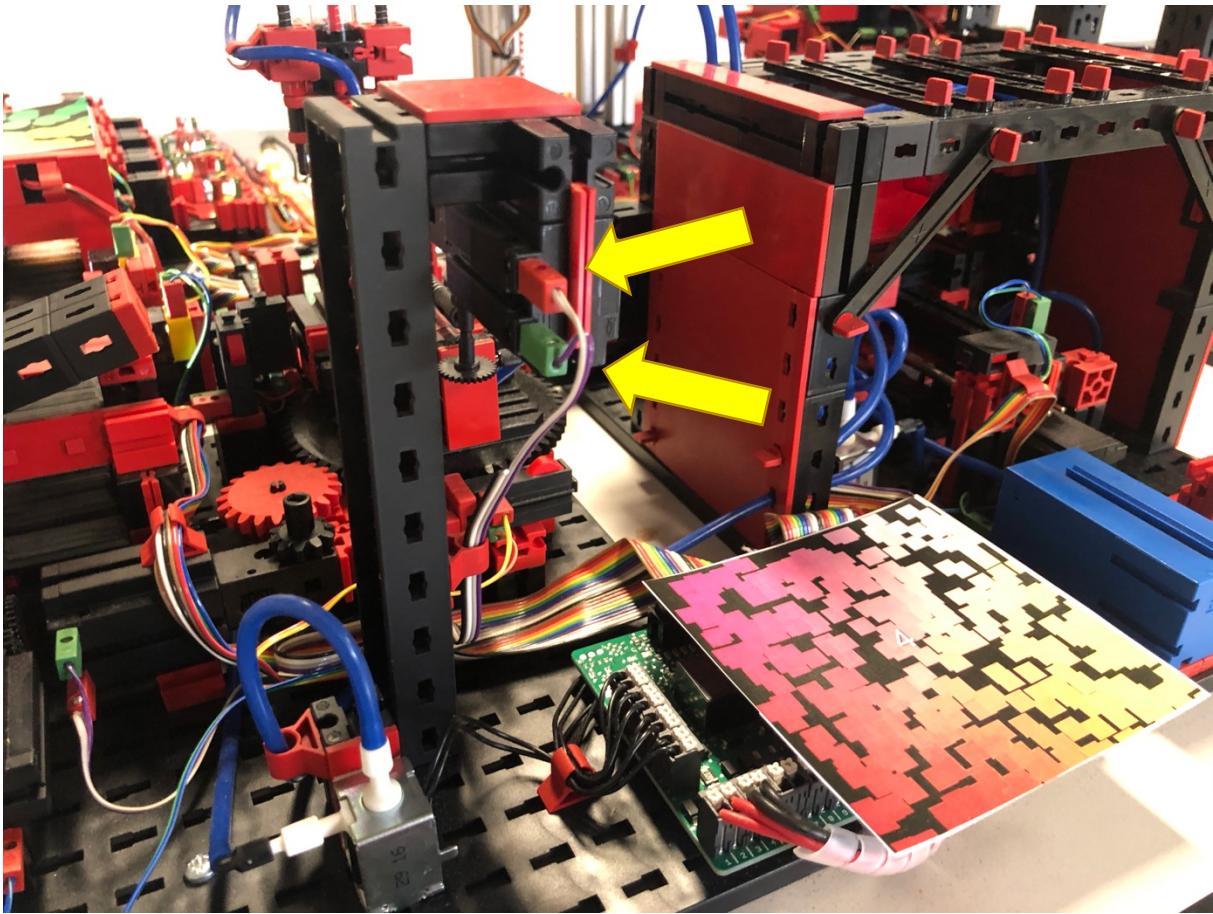
The motor powering the conveyor belt on the right of the High-bay Warehouse. The motor is located below the conveyor belt.

Instructions

Please check the electrical wiring to the motor. Reconnect the green and/or red wire to provide power to the electrical motor.

Then **restart** the factory on the computer.

F4 - Saw motor failure



Problem

The factory is halted with error F4 – Saw motor failure.

Component

Processing Line

Location

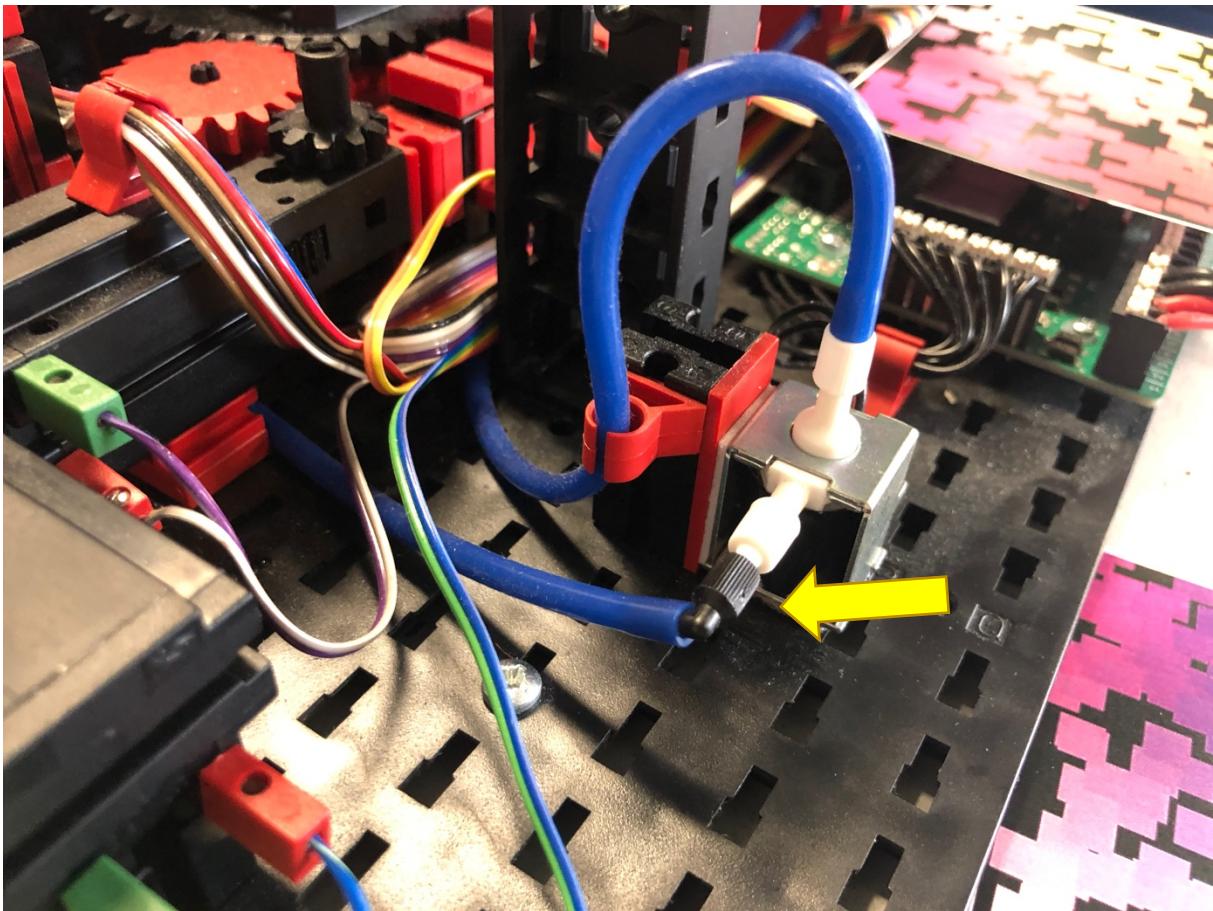
The motor powering the saw in the Processing Line component. The motor is located on the top of the arm.

Instructions

Please check the electrical wiring to the motor. Reconnect the green and/or red wire to provide power to the electrical motor.

Then **restart** the factory on the computer.

F5 - Pneumatic pressure failure



Problem

The factory is halted with error F5 – Pneumatic pressure failure.

Component

Processing Line

Location

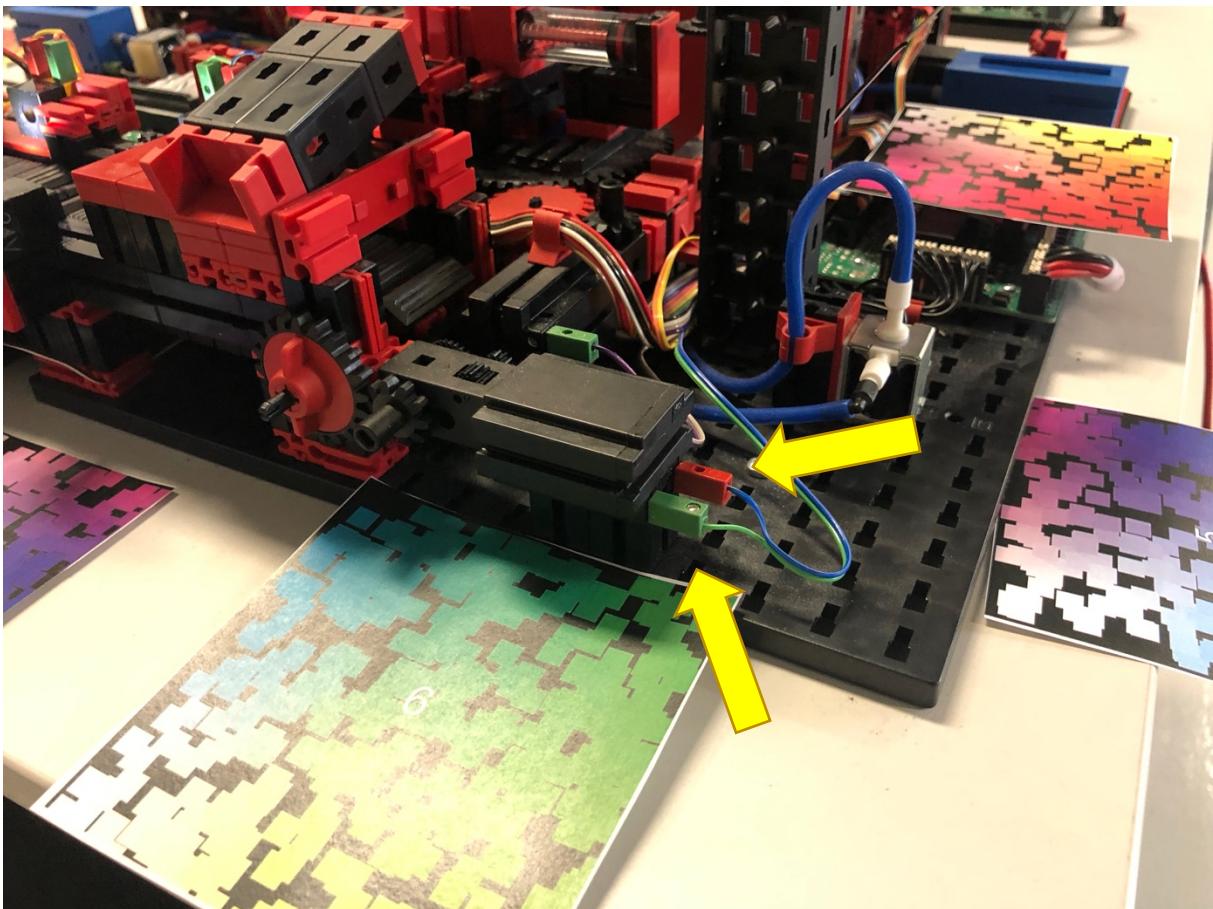
The pneumatic valve below the saw in the Processing Line component.

Instructions

Please check the tubing to the pneumatic valve. Reconnect the blue tube to restore air pressure to the valve.

Then **restart** the factory on the computer.

F6 - Conveyer belt failure



Problem

The factory is halted with error F6 – Conveyor belt failure.

Component

Quality Check Line

Location

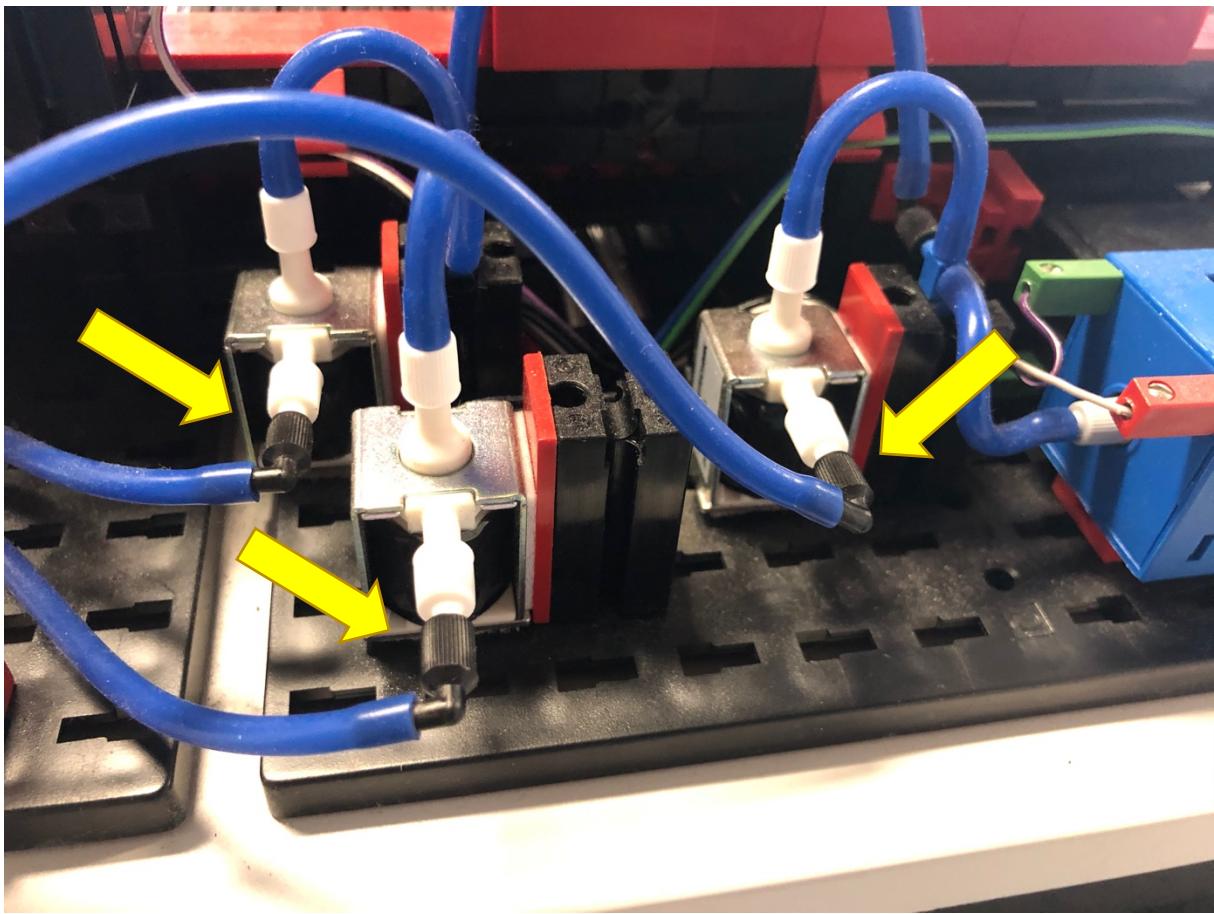
The motor powering the conveyor belt in the Quality Check Line component. The motor is located at the beginning of the conveyor belt.

Instructions

Please check the electrical wiring to the motor. Reconnect the green and/or red wire to provide power to the electrical motor.

Then **restart** the factory on the computer.

F7: Pneumatic pressure failure



Problem

The factory is halted with error F7 – Pneumatic pressure failure.

Component

Quality Check Line

Location

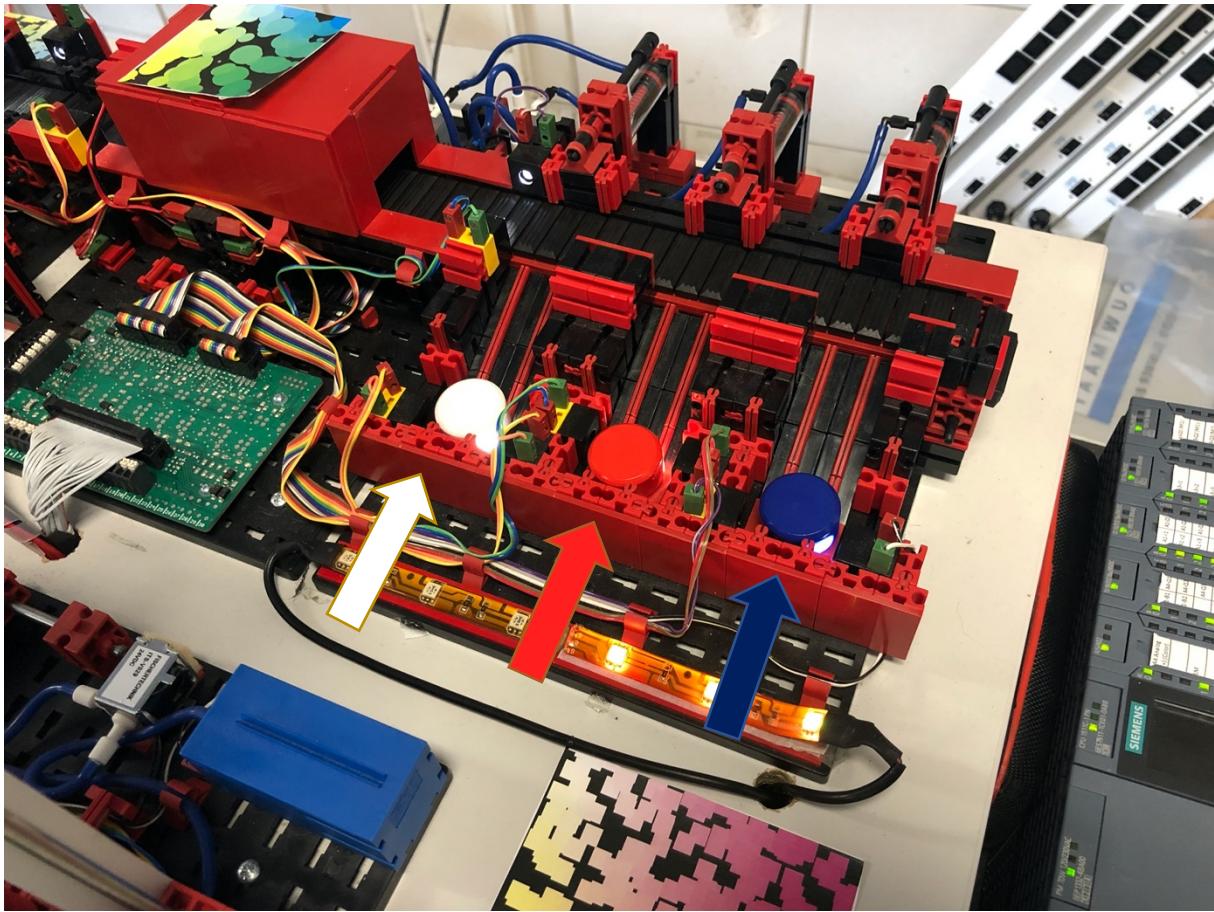
The three pneumatic valves at the end of the Quality Check Line component.

Instructions

Please check the tubing to the pneumatic valves. Reconnect the blue tubes to restore air pressure to the three valves.

Then **restart** the factory on the computer.

F8: Color sensor failure



Problem

The factory is halted with error F8 – Color reading failure.

Component

Quality Check Line

Location

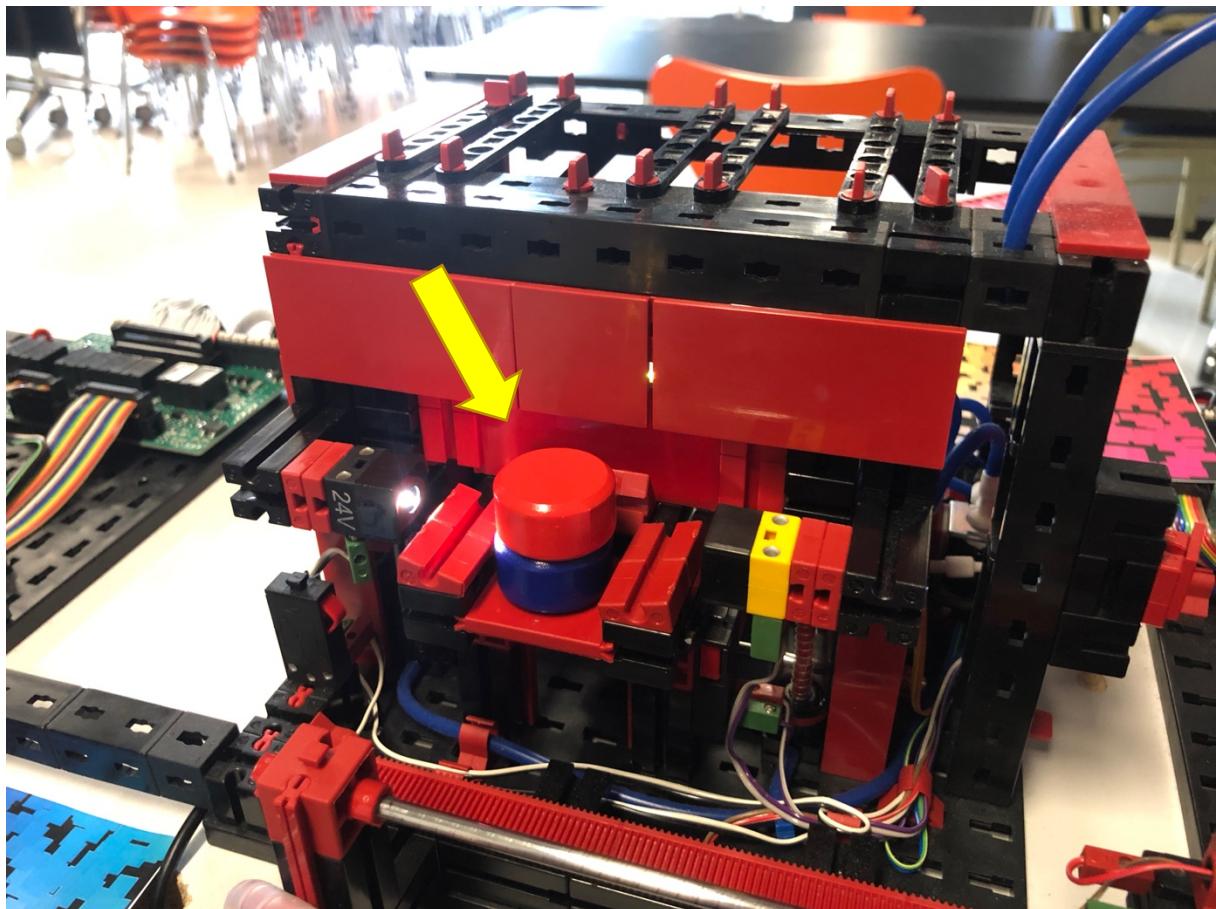
The three sorting bays at the end of the Quality Check Line.

Instructions

Please check the sorting bays for misplaced discs that are not sorted correctly. Place the misplaced disc(s) into the correct bay according to the image above. So white discs in bay 1, red discs in bay 2 and blue discs in bay 3.

Then **restart** the factory on the computer.

F9: Oven melting failure



Problem

The factory is halted with error F9 – Oven melting failure.

Component

Processing Line

Location

The loading bay of the oven at the beginning of the Processing Line.

Instructions

Please check the loading bay of the oven for two stacked discs. Remove the top disc and return it to the warehouse in an empty container.

Then **restart** the factory on the computer.