Kodak

Automatic Pallet Loader

Replacing the Float Bar Sensors

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1. OVERVIEW

The Automatic Pallet Loader (APL) float bar is mounted on the picker/pusher gantry and moves along the Z-axis. There are two optical sensors on the float bar: one for home and one for away.

2. PARTS/TOOLS NEEDED

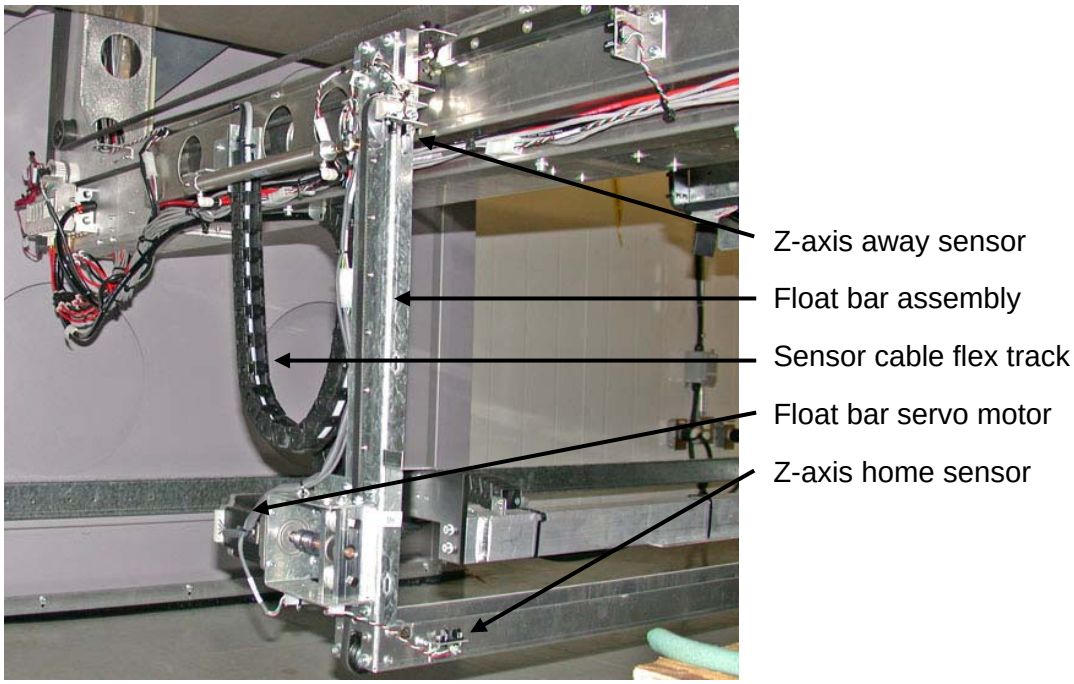
Float bar Z-axis sensors (home and away) – 36-3125

Sensor cable – 220-01846A

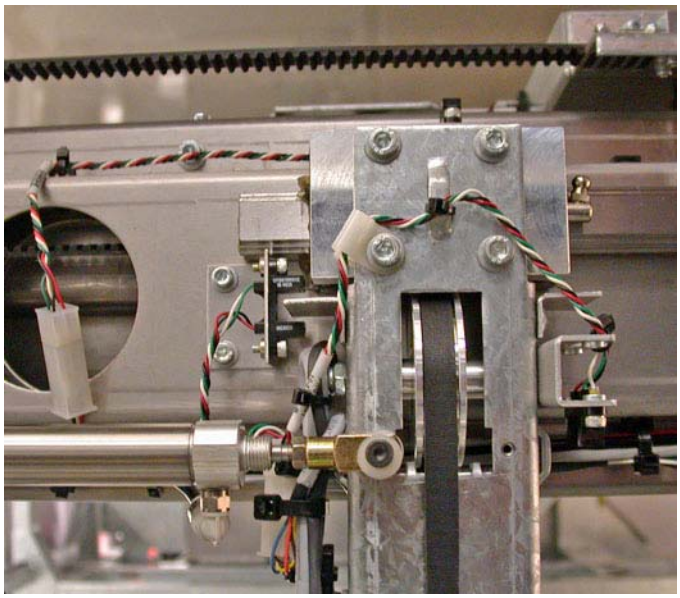
3. REPLACING A SENSOR

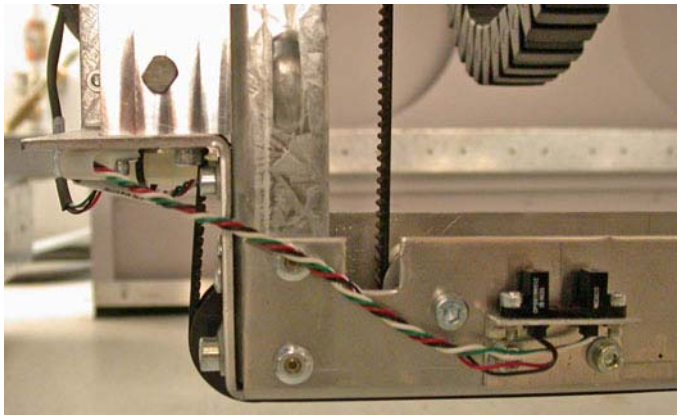
The procedure for replacing the float bar Z-axis away sensor (top) and the float bar Z-axis home sensor (bottom) is the same.

1. From Service Shell, type `>>apl unlock` .
2. Open the front doors on the first segment of the APL to get access to the float bar on the side closest to the Magnus VLF. The float bar is mounted on the picker/pusher gantry.
3. Turn the compressed air supply off so that the gantries and table can be moved by hand to get access to the float bar sensors.



4. Cut the cable ties that secure the sensor cable in place and disconnect the sensor connectors.


Away sensor

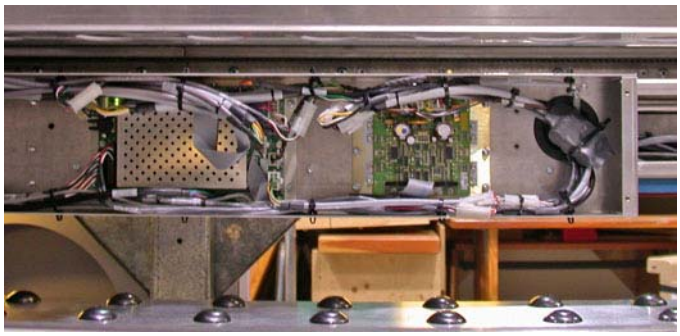

Home sensor

5. Remove the two M3 screws that secure the sensor in place and remove the sensor and cable.
6. Install a new sensor with the two M3 screws. Route the cable exactly as shown in the photos above and connect the connector to cable 220-01846A.
7. Use cable ties to secure the cable and connector tightly in place.

4. REPLACING THE SENSOR TO GENINE CABLE

The two float bar Z-axis sensors connect to cable 220-01846A. The other end of this cable connects to GENINE 6 (J20) on the picker/pusher gantry. To replace this cable:

1. Disconnect the two sensor connectors from cable 220-01846A.
2. Cut the cable ties that secure this cable in place along its entire route. The cable is routed through a flex track on the float bar and along the picker/pusher gantry to GENINE 6.
3. Disconnect the cable from J20 on GENINE 6. Remove the cable.



4. Connect the new cable to J20 and route it along the same route as the old cable was.
5. Connect the cable to the two Z-axis sensor connectors.
6. Neatly secure the cable with cable ties so that it will not interfere with any moving parts.