Kodak

Automatic Pallet Loader

Relocating the Pusher Inductive Sensors

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Revision History

Revision	Date	Author	Comments
1	04 Jan 2008	A.Blignaut	First draft release
2	14 Jan 2008	A.Blignaut / J.Hogewoning	Added edits from Jeff.

1. OVERVIEW

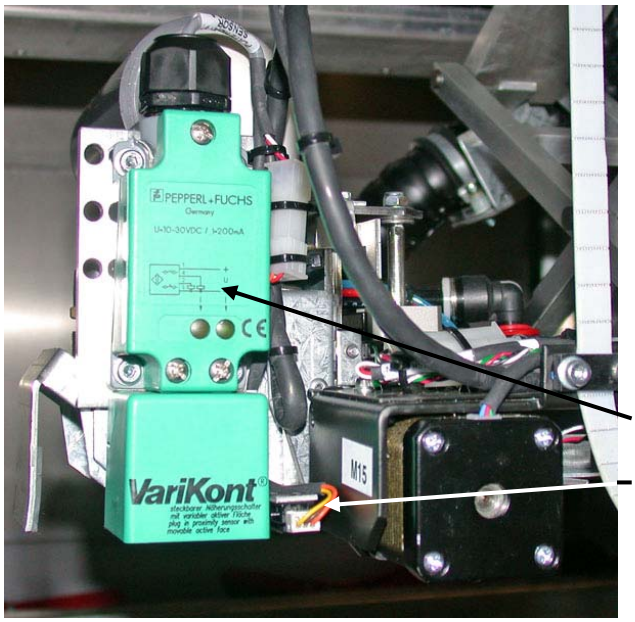
The pusher inductive sensors must be relocated to the improve the sequence reliability of the pushers. This procedure describes how to relocate the inductive sensor and the reflective sensor. The procedure is identical on both pushers.

2. PARTS/TOOLS NEEDED

- Sensor bracket kit 518-03107A

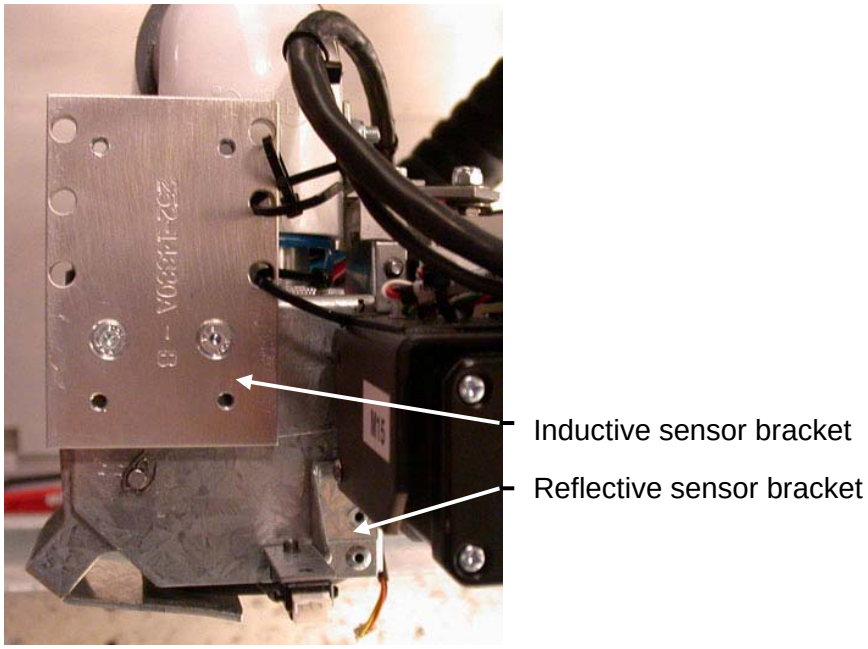
3. RELOCATING THE PUSHER INDUCTIVE SENSOR

1. Move the pusher to the rear of the APL.
2. Unlock the APL doors and open the rear doors to get access to the two pushers and the manifold.
3. Turn off the compressed air supply at the APL manifold.
4. On the pusher inductive sensor, cut the cable ties that secure the sensor cables to the mounting bracket.

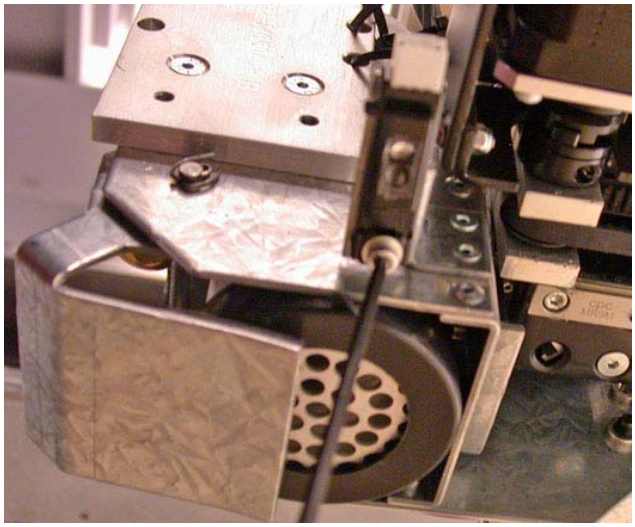


5. Unplug the inductive sensor cable and the reflective sensor cable.

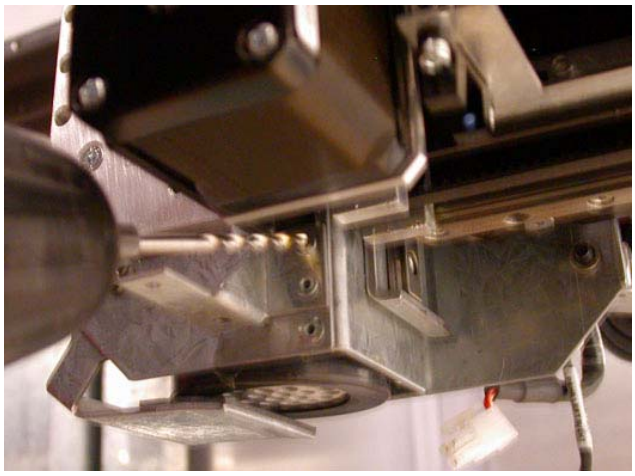
6. Remove the inductive sensor from the mounting bracket—four screws.



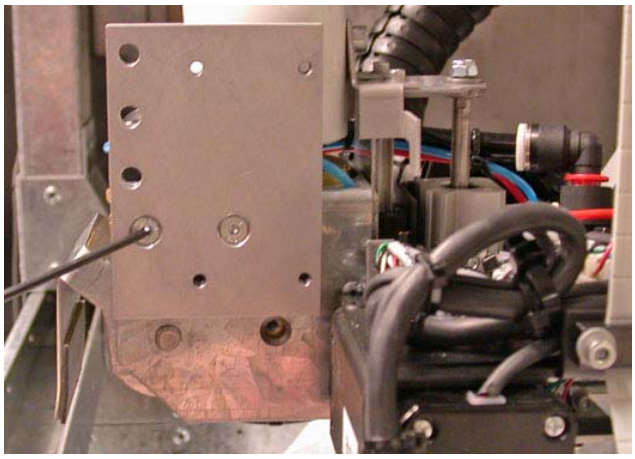
7. Remove the reflective sensor—one screw.



8. Using the 5/32 in. drill bit included in the kit, drill out the two rivets securing the reflective sensor bracket. Remove and discard the bracket.
   The reflective sensor and new bracket will be mounted directly onto the new inductive sensor bracket.



9. Remove and discard the aluminum sensor bracket—two screws.



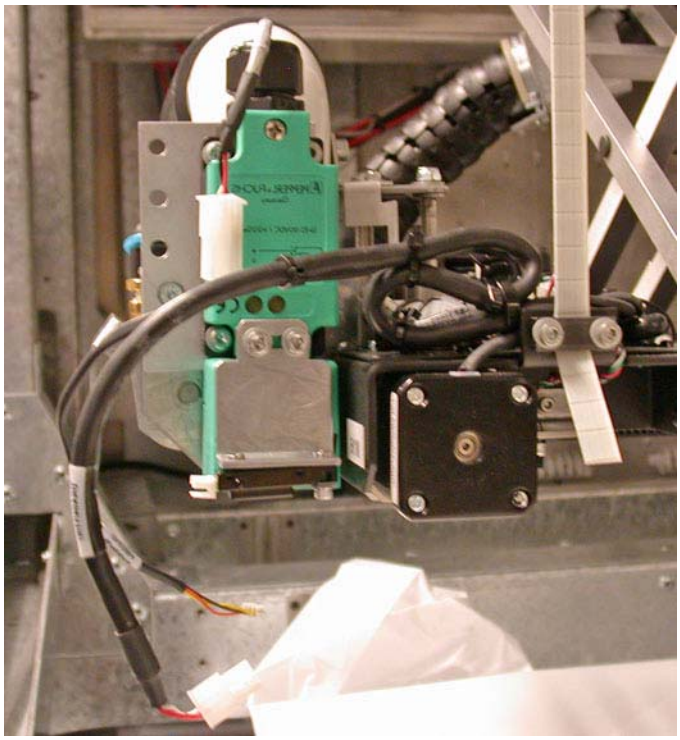
10. Install the new sensor bracket where the old bracket was removed.
11. On the inductive sensor:
    a) Remove and discard the two remaining screws.
    b) Mount the reflective sensor bracket onto the inductive sensor—two new screws.
    c) Mount the reflective sensor onto the reflective sensor bracket—one screw. Note the orientation of the reflective sensor. The connector must face the rear of the APL.





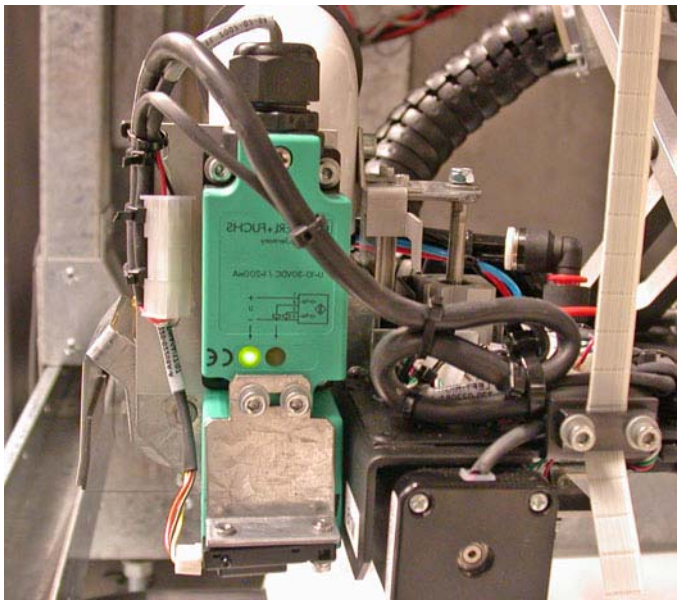


12. Install the inductive sensor on the new sensor bracket—four screws.
    With the new bracket, the sensor is mounted closer to the motor than before.



13. Connect both sensor cables.

14. Secure the cables with cable ties. The cables must not protrude beyond the rear of the new sensor bracket and the loop in the cables must not be higher than the top of the inductive sensor.



15. Test that there is no interference with the pusher motion.

16. Relocate the inductive sensor on the other pusher.