FCO CA07202: Picker down sensor bracket

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Product

- Trendsetter® AL
- Trendsetter NEWS (except NEWS SA)

FCO priority

Next failure

Machines affected Devices in the field with serial numbers earlier than SA1134, TM766, and NM358

Background

The foam tape used to block the picker down sensor signal causes intermittent sensing problems.

Solution

Move the sensor to a lower position using the bracket in kit #512-00288A. This bracket repositions the picker down sensor so that it is blocked by solid metal, not the foam tape, which results in more reliable operation.

Parts required

Part Number	Part Name	Quantity
512-00288A	Kit, picker down sensor bracket	1

Procedure

1. Remove the panel on the left side of the load table.
2. Remove the picker down optical sensor.
3. Remove the foam tape used to block the picker down sensor signal.
4. Attach the optical sensor to the new mounting bracket. Use the Nylon spacer between the bracket and the sensor.
5. Carefully mark the position of the bottom of the picker rail so that you can re-install it in the same position without affecting the operation of the picker.
6. Remove the bolt and Nylon nut that hold the bottom of the picker rail.
7. Place the new bracket over the bottom of the picker rail. (See Figure 1.)

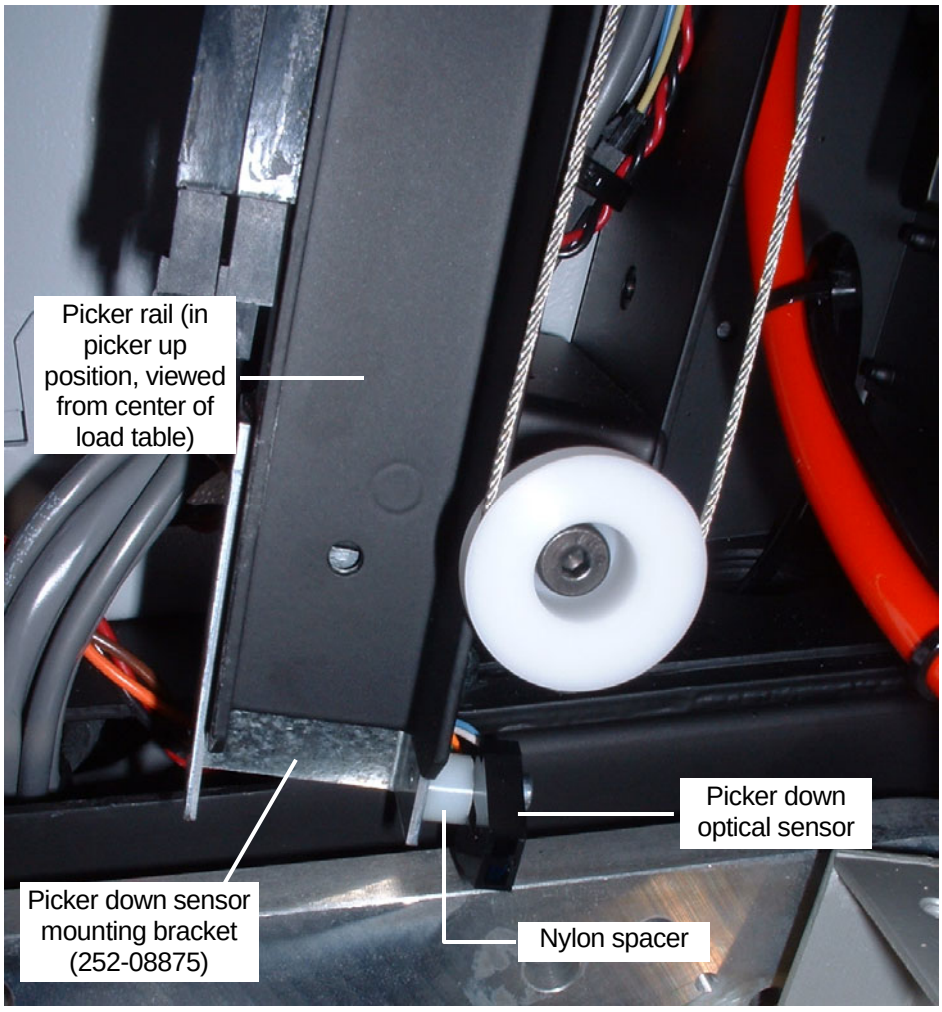


Figure 1: Picker down sensor mounting bracket on picker rail (viewed from center of load table)

8. Re-install the bolt and Nylon nut that holds the bottom of the picker rail.

9. Ensure that the rail is in its original position and tighten the cap screw and nut. (See Figure 2.)

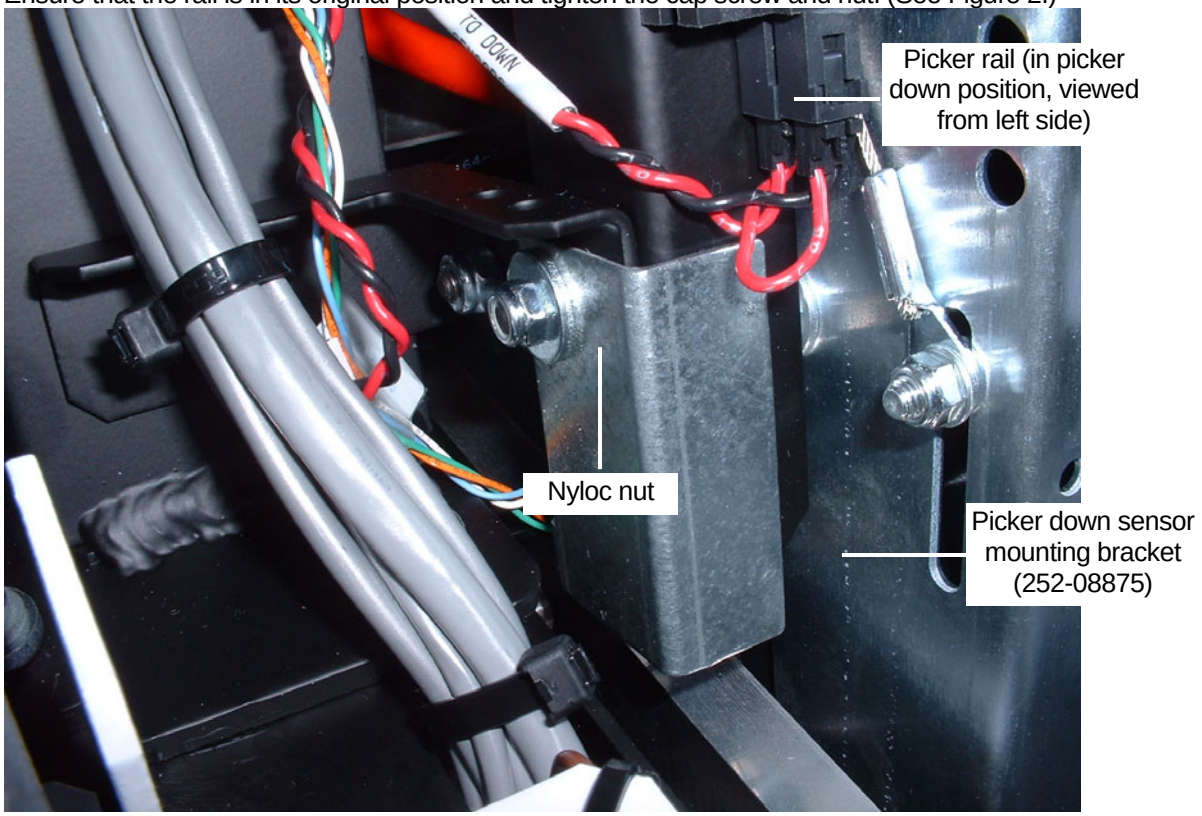


Figure 2: Picker down sensor mounting bracket on picker rail (viewed from left side)

10. Re-install the panel on the left side of the load table.
11. Mark item #6 on the autoloader ECO 100 label.

Test

1. Move the picker to the up position. Use the **`picker`** command to ensure that the sensor is not detecting anything (unblocked).
2. Move the picker to the down position. Use the **`picker`** command to ensure that the sensor is detecting the picker (blocked).
3. You might have to adjust slightly the picker up timing due to repositioning of the picker down sensor.

FCO 100 Label #	6 (MCE-SA), 33 (MPE-SA), 9 (MPE-TA)
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