

Installing a Dollar Bill Validator on a Vortek 3 System

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When you install a Dollar Bill Validator (DBV) on a Vortek 3 system, you may need to make a simple modification to the harness. This document describes how to check the harness and make the required modification if necessary.

1. Locate the 3x3 Molex[®] connector that is provided for the DBV. It is connected to the coin mech harness. The connector has AC power wires connected to pins 4 and 6, and yellow wires connected to pins 7 and 8, as shown in Part A of the picture below.
2. Trace the two yellow wires from the DBV connector. The yellow wire from pin 7 is spliced to a black/white wire. Do nothing to this wire.
3. The yellow wire from pin 8 is spliced to another yellow wire. Trace this second yellow wire to another 3x3 Molex[®] connector that is connected to the coin mech harness.

If this yellow wire is already spliced to a white wire, and the white wire connects to the coin mech connector, your harness does not need to be modified.

If the yellow wire connects directly to the coin mech connector, cut the wire close to the connector.

4. Locate the pair of white wires from pin 6 of the coin mech connector where you cut the yellow wire, as shown in Part B of the picture below. One of these white wires is only a few inches long, and will be tied to the other wires with a cable tie. Carefully cut the cable tie to free this white wire.
5. Strip the ends of the yellow and white wires and splice them together, as shown in part C of the picture below.
6. The harness is now ready to connect to the DBV. Be sure to connect the ground wire on the DBV to a ground lug on the cabinet, or the DBV will not work properly.

