



SERVICE BULLETIN 229

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Page: 1 of 3

Date: 25 Oct 2012

Revision: 04

SUBJECT: KO Controller Conversion Kit Installation

Number of
People
Required



MODELS: GII, GIII

KIT NUMBER

KIT DESCRIPTION

318006

KO Controller Conversion Kit

TOOLS REQUIRED: Phillips screwdriver, grounding strap

ESTIMATED INSTALLATION TIME: 15 minutes



The following areas of this vender contain voltage which can cause serious injury or even death: the main power cord, supplying 115-230 VAC to the evaporator, EMI filter, refrigeration system, monitor, and computer; the power line from the EMI filter to the ballast and transformer; and the ballast, which can produce upwards of 600 volts. Remove all power from the vender before working in any of these areas.

BACKGROUND INFORMATION: Beginning the last week of November 2001, the GIII EVS control board was replaced with the new GIII KO control board in production. The KO board is also available for retrofitting in the older GII and GIII venders.

NOTE: Electronic components are very sensitive to static electricity, which can damage the control board. Prior to coming into contact with the control board, you should ground yourself to the vender by way of an ESD grounding strap.

INSTALLATION INSTRUCTIONS:

1. Remove power by unplugging the vender's power cord from the AC voltage source (wall outlet).
2. Unplug the harnesses from the existing control board, and remove the board from the vender.
3. For replacing GII VII and GIII control boards: Remove the refrigeration regulator board and regulator board jumper harness (from regulator board to control board) from the vender.
4. Remove the existing DEX harness and serial changer harness from the vender. Install the new KO serial changer harness (p/n 842261, included in the kit). Note: The DEX jack for the KO board is on the board itself.
Note for GII: If the vender has the original GII-style chute sensor installed, it will be necessary to replace this chute sensor with the newer adjustable chute sensor (p/n 210123). Disconnect the older chute sensor from the control board.
5. Mount the new KO control board on the plastic board standoffs.
6. Plug each harness onto the KO board at the correct pinouts as shown in Figure A.
7. Restore power to the vender by plugging the vender's main power cord into the AC voltage power source.
8. Reprogram the KO board, following the Programming Flowchart in Figure B.

In an effort to provide our customers with the latest information on our equipment, Royal Vendors sends service bulletins to customers using the original ship-to address or e-mail addresses, if supplied by our customers. We also post all service bulletins on our website at www.royalvenders.com. If for any reason a vender is moved to another location or is sold to another customer other than to whom Royal Vendors originally sent the machine, it is the responsibility of the original purchaser of the vender to notify the appropriate personnel of the service bulletin.

**ANY QUESTIONS? CONTACT ROYAL VENDORS' CUSTOMER SERVICE DEPARTMENT
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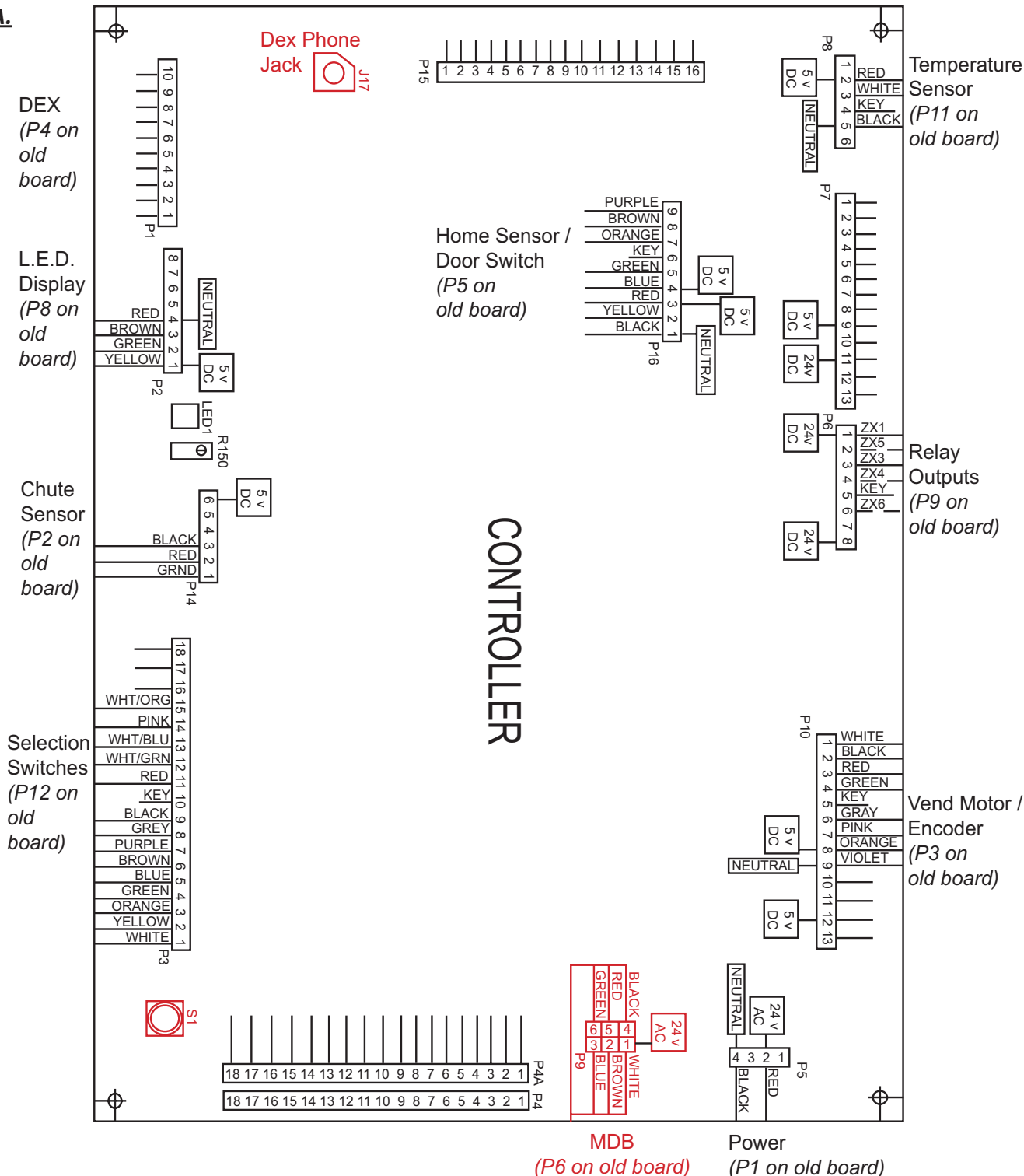
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Figure A.

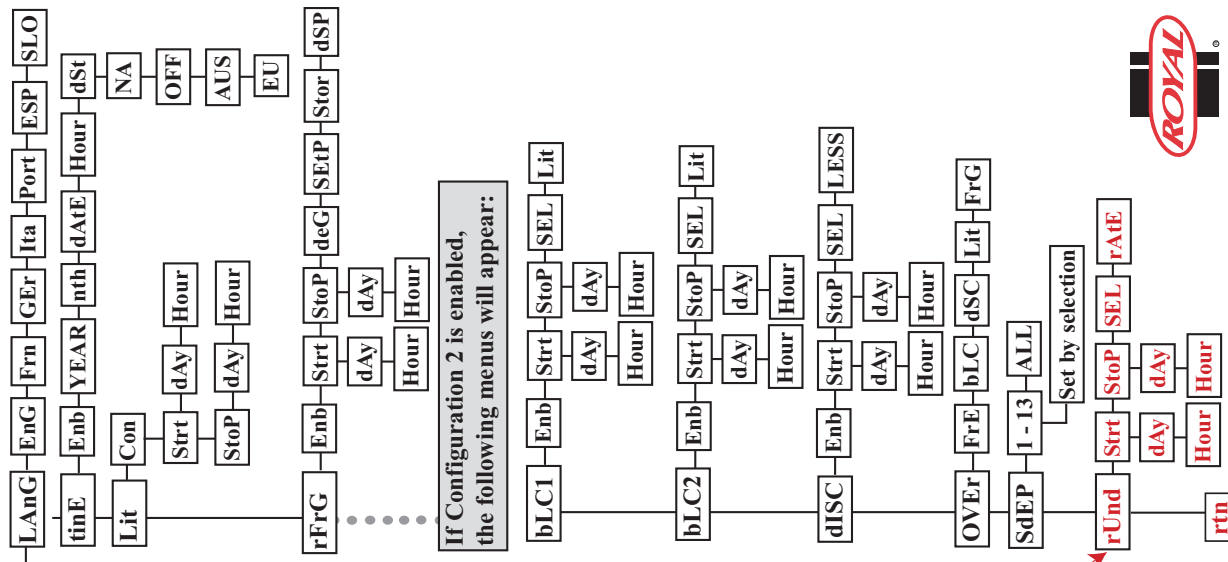


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Figure B.

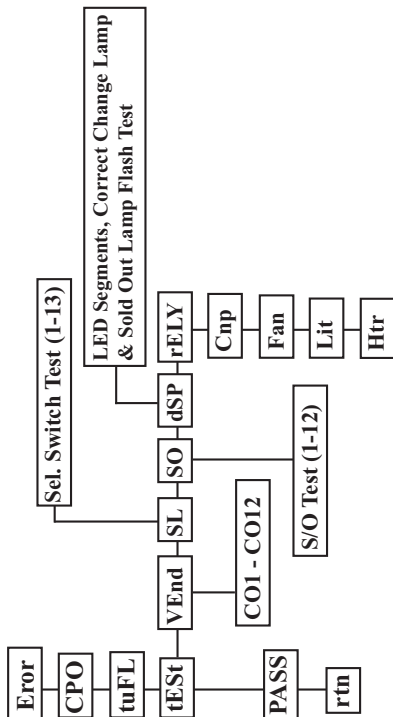


KO Control Board Programming Flowchart

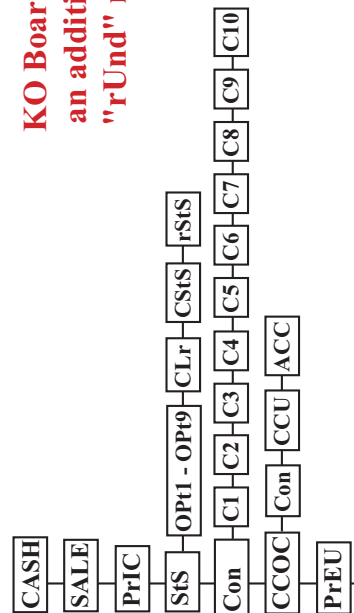
EXTERNAL MENU

Error
 CASH
 SALE
 rtn

INTERNAL (SERVICE) MENU



PASSWORD PROTECTED MENU



KO Board has an additional "rUnd" menu

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