Installation Instructions

InView Firmware Update

Catalog Number 2706

SPECTRUM CONTROLS

Important User Information

Solid state equipment has operational characteristics differing from those of electromechanical equipment. Safety Guidelines for the Application, Installation and Maintenance of Solid State Controls (Publication SGI-1.1 available from your local Rockwell Automation sales office or online at http://literature.rockwellautomation.com) describes some important differences between solid state equipment and hard-wired electromechanical devices. Because of this difference, and also because of the wide variety of uses for solid state equipment, all persons responsible for applying this equipment must satisfy themselves that each intended application of this equipment is acceptable.

In no event will Rockwell Automation, Inc. be responsible or liable for indirect or consequential damages resulting from the use or application of this equipment.

The examples and diagrams in this manual are included solely for illustrative purposes. Because of the many variables and requirements associated with any particular installation, Rockwell Automation, Inc. cannot assume responsibility or liability for actual use based on the examples and diagrams.

No patent liability is assumed by Rockwell Automation, Inc. with respect to use of information, circuits, equipment, or software described in this manual.

Reproduction of the contents of this manual, in whole or in part, without written permission of Rockwell Automation, Inc., is prohibited.

Throughout this manual, when necessary, we use notes to make you aware of safety considerations.

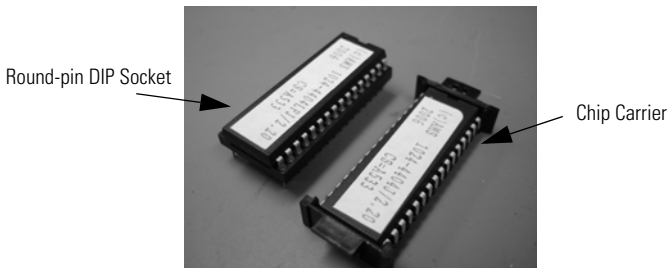| WARNING	Identifies information about practices or circumstances that can cause an explosion in a hazardous environment, which may lead to personal injury or death, property damage, or economic loss.
IMPORTANT	Identifies information that is critical for successful application and understanding of the product.
ATTENTION	Identifies information about practices or circumstances that can lead to personal injury or death, property damage, or economic loss. Attentions help you identify a hazard, avoid a hazard and recognize the consequences.
SHOCK HAZARD	Labels may be on or inside the equipment (for example, drive or motor) to alert people that dangerous voltage may be present.
BURN HAZARD	Labels may be on or inside the equipment (for example, drive or motor) to alert people that surfaces may reach dangerous temperatures.

Hazardous Voltage

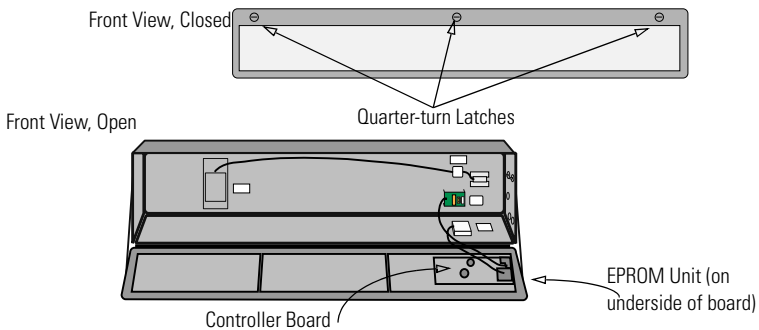| ATTENTION	Hazardous voltage. Contact with high voltage may cause death or serious injury. Always disconnect power to sign prior to servicing.

Change EPROM on 2706-P72, 2706-P74 Display

The firmware kit comes with two EPROMs. One is a chip carrier type and the other is a round-pin DIP socket with the chip installed. Use the one that fits your controller board.

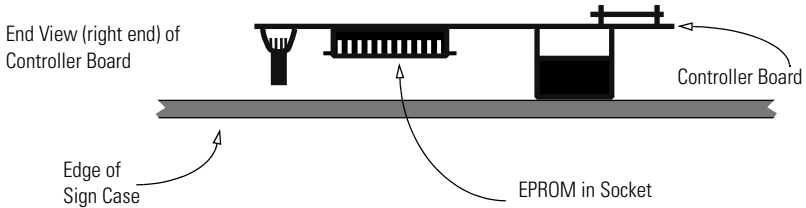Round-pin DIP Socket

Chip Carrier

Follow these steps to change the EPROM on the 2706-P72 and 2706-P74 displays.

1. Open the front of the sign case by turning the latches to the left.
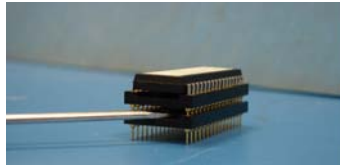
    Carefully let the front of the case drop forward.

Front View, Closed

Front View, Open

Quarter-turn Latches

EPROM Unit (on underside of board)

Controller Board

2. For the chip carrier type, on the underside of the controller board, firmly pull down on the end tabs of the EPROM and carefully pull it out of the socket.

End View (right end) of
Controller Board

Controller Board

Edge of
Sign Case

EPROM in Socket

3. For the round-pin DIP socket type, use a small screwdriver to pry the two sockets apart.

TIP   Note the location of the pin 1 identifier for reference while installing the new chip.
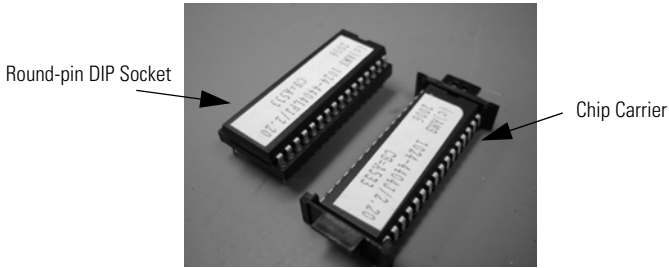
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4. Matching the side notches of the new EPROM to the socket, press the new EPROM firmly into the socket.

    The notch is at pin 1 on the EPROM.

5. Carefully close the sign and tighten the latches.
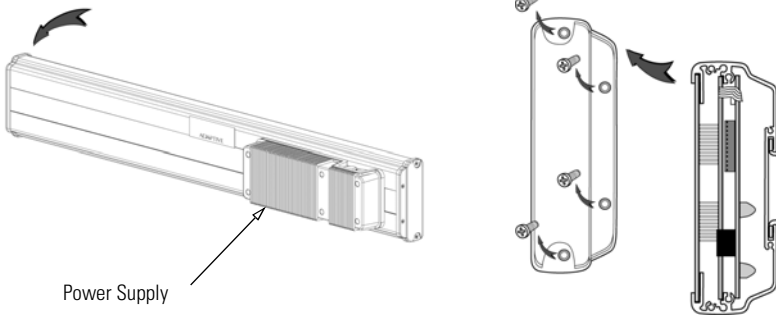
Change EPROM on 2706-P42, 2706-P44 Displays

The firmware kit comes with two EPROMs. One is a chip carrier type and the other is a round-pin DIP socket with the chip installed. Use the one that fits your controller board.

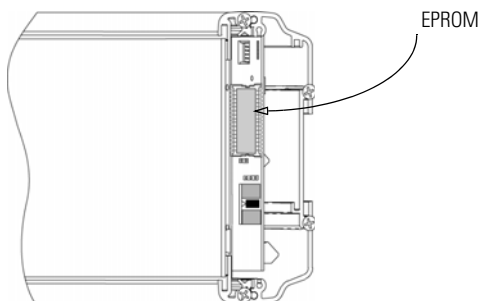Round-pin DIP Socket

Chip Carrier

The EPROM is located at the end of the sign opposite the power supply.

Follow these steps to change the EPROM on the 2706-P42, and 2706-P44 displays.

1. Remove the four screws holding the end cover by using a #2 Phillips screwdriver.

Power Supply

2. For the chip carrier type, firmly pull down on the end tabs of the EPROM and carefully pull it out of the socket.

EPROM

3. For the round-pin DIP socket type, use a small screwdriver to pry the two sockets apart.

| **TIP** | Note the location of the pin 1 identifier for reference while installing the new chip. |

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4. Matching the side notches of the new EPROM to the socket, press the new EPROM firmly into the socket.

5. Replace the end cover and screws and torque end cover screws to 2.7 N•m (24 lb•in).

Firmware Upgrade Kit

These are the available InView display firmware-upgrade kits.

Product Cat. No.	Firmware Upgrade Kit Cat. No.
2706-P42R	2706-FRNP42R
2706-P42C	2706-FRNP42C
2706-P44R	2706-FRNP44R
2706-P44C	2706-FRNP44C
2706-P72CN1 and 2706-P72CN2	2706-FRNP72C
2706-P74CN1 and 2706-P74CN2	2706-FRNP74C

Rockwell Automation Support

Rockwell Automation provides technical information on the Web to assist you in using its products. At http://support.rockwellautomation.com, you can find technical manuals, a knowledge base of FAQs, technical and application notes, sample code and links to software service packs, and a MySupport feature that you can customize to make the best use of these tools.

For an additional level of technical phone support for installation, configuration and troubleshooting, we offer TechConnect support programs. For more information, contact your local distributor or Rockwell Automation representative, or visit http://support.rockwellautomation.com.

Installation Assistance

If you experience a problem within the first 24 hours of installation, please review the information that's contained in this manual. You can also contact a special Customer Support number for initial help in getting your product up and running.

United States	1.440.646.3434 Monday – Friday, 8 a.m. – 5 p.m. EST
Outside United States	Please contact your local Rockwell Automation representative for any technical support issues.

New Product Satisfaction Return

Rockwell Automation tests all of its products to ensure that they are fully operational when shipped from the manufacturing facility. However, if your product is not functioning and needs to be returned, follow these procedures.

United States	Contact your distributor. You must provide a Customer Support case number (call the phone number above to obtain one) to your distributor in order to complete the return process.
Outside United States	Please contact your local Rockwell Automation representative for the return procedure.