Classic PLC-5 Programmable Controller Firmware Upgrade

(Catalog Numbers 1785-LT1, -LT2, -LT3, -LT4)

Using These Instructions

These instructions describe:

- an important safety precaution involving static electricity discharges
- how to dissassemble the processor and replace firmware PROMs

Use these instructions with the Classic PLC-5 Hardware Installation Manual, publication number 1786-6.6.1. For more information, contact your Allen-Bradley service representative.

Before You Install ...

Printed circuit board components and PROM memory devices can be damaged during routine handling and installation. Follow these precautions to reduce static electricity discharges before you install the processor

- Handle the printed circuit boards and PROMs by the case or carrier without touching the pins or the edge connector.
- Use a static-free workstation.
- Connect the static-free workstation to ground through a minimum 200K ohm resistance.
- Wear a grounded, conductive wrist strap with a minimum 200K ohm resistance.
- Ground all tools before you begin to upgrade the firmware.
- Control the relative humidity of the installation area – ideal conditions are 40% to 60% relative humidity.

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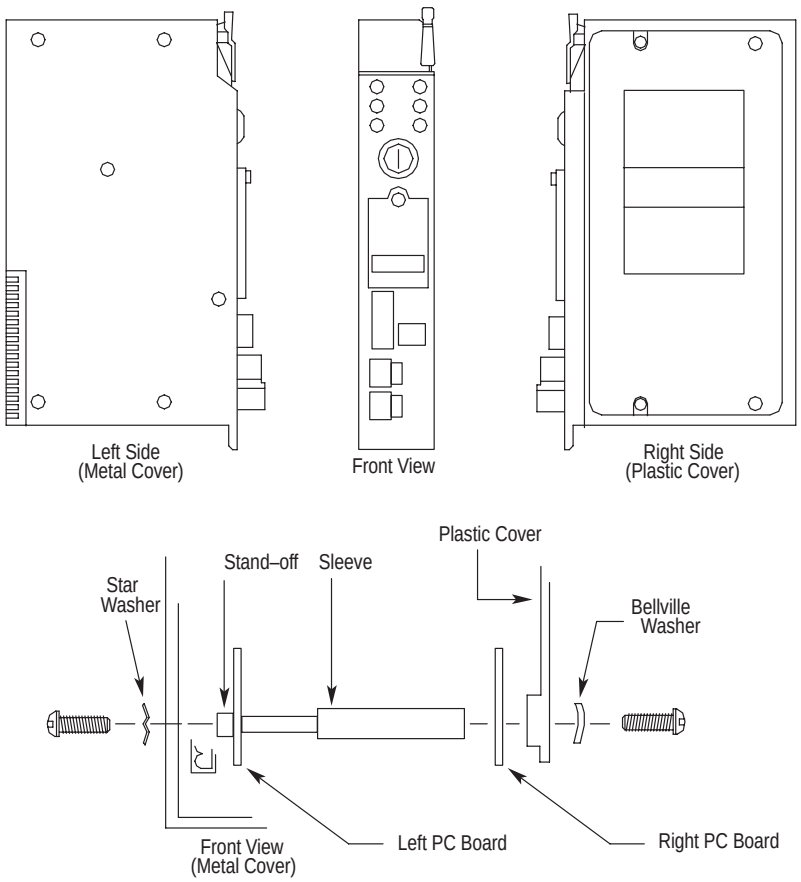
To Dissassemble the Processor ...

Follow these steps to dissassemble the processor.

1 Before you dissassemble the processor, check to ensure that you have a backup copy of the customer program on hard disk or tape.

2 Being careful not to lose the washers, remove the four screws from the plastic cover and note the orientation of the stand-offs and sleeves.



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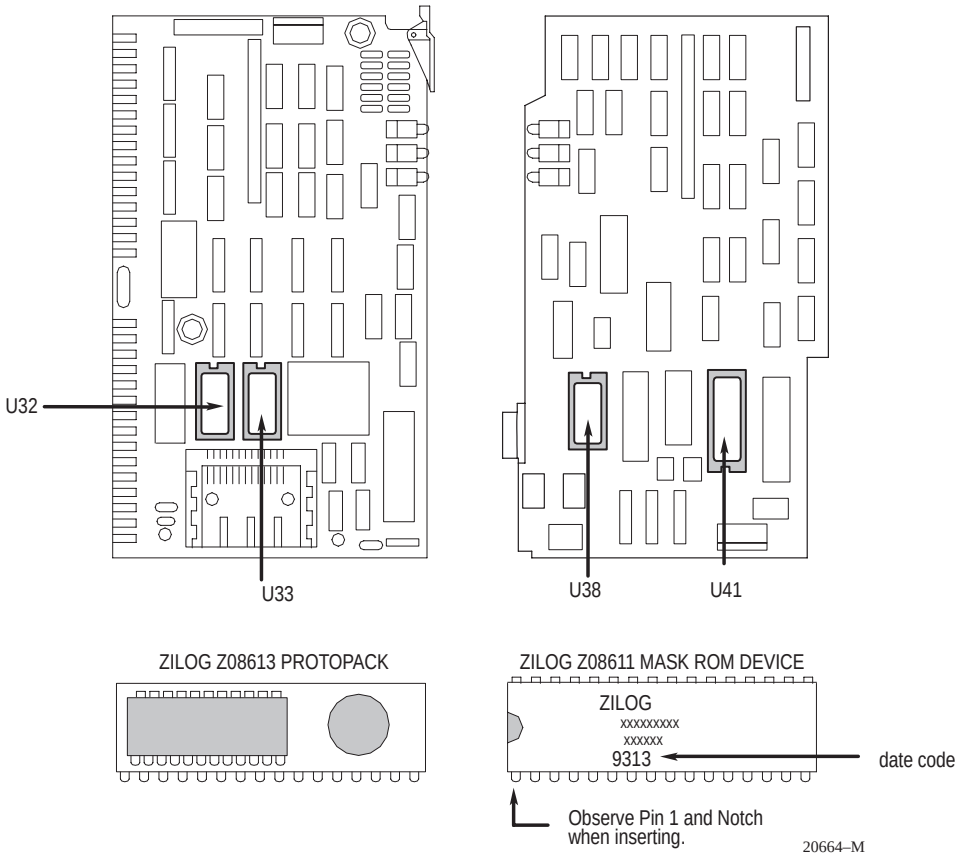
3 Remove the screw from under the plastic cover.

4 Being careful not to damage the interboard connector pins, separate the two printed circuit boards.

5 Replace the firmware PROMs in locations U32, U33, and U38. Observe the pin 1 locater and make certain that no pins are bent under.



date code

6 If your processor has a protopack device in location U41, replace it with the masked ROM device included with this update kit. If U41 is already a masked ROM, and the date code on that part is 9242 or earlier, replace it. If U41 is a maked ROM with a date code of 9243 or later, skip this step.

7 Reassemble the processor observing the cautions described on the front page of these instructions.

8 Reload the customer program and make sure that it runs properly.

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