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EPROM Field Replacement Guidelines

CAUTION: This device is actually a Microcontroller "chip" and, as such, is subject to damage from electrostatic energy discharge. Before handling and/or replacing the EPROM, be sure to drain any personal static charge to a known good Earth ground. Failure to observe this precaution could lead to internal failure of the EPROM and/or the Command Module electronics.

Be extremely careful not to bend any of the 40 device pins, when inserting it into the 40 position socket.

Note that the EPROM and socket are "polarized." Pin 1 on the EPROM is indicated by a small circular indentation at one corner of the device. There may also be a white triangle next to the indentation for further recognition.

Also, one of the small end-edges of the EPROM will have a semicircular notch. This notch indicates the position of Pins 1 and 40. There is a similar notch on the socket on the Command Module.

On some older EPROMS, this notch is the only indication of where Pin 1 is located.

Aligning the notches on the EPROM and the socket is of utmost importance. Failure to do this will most likely cause damage to the EPROM and, possibly, the Command Module. Any resulting damage of this type will not be covered under warranty.

CAUTION: It is strongly recommended that the Command Module be removed from its field mounting location, and placed in a static-free environment, before attempting to replace the EPROM.

After carefully removing the old EPROM (usually with a very small Screwdriver and/or a pair of needle nose pliers), CAREFULLY insert the new one observing the above notch "rules."

Be sure to observe all 40 of the EPROM pins during insertion to ensure that none of them are bent under and subsequently not making perfect contact with their corresponding socket contacts.



Photo of EPROM socket.

Note: Notch on lower left edge of socket. This notch must match up with the notch on the EPROM. There is a notch only on one side.

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