EPROM Care and Installation

EPROM Storage and Handling
UEC-3 & MX control modules contain EPROMs that are fragile and static-sensitive integrated circuits. Care should be taken in the storage and handling of the EPROMs.

- Do not ship or store EPROMs near strong electrostatic, electromagnetic, magnetic or radioactive fields.
- Do not remove labels from EPROMs.
- Store EPROMs away from direct sunlight at temperatures from -40°C to 85°C (-40°F to 185°F).
- Store EPROMs in static-free containers with care to prevent breakage from shock or damage to pins.
- Always use an ESD (ElectroStatic Discharge) wriststrap and proper grounding techniques when removing or installing EPROMs. Limitorque provides a kit which contains an ESD wriststrap with proper grounding instructions; P/N 102424. Please contact Limitorque service at (804) 528-4400 for purchase.

EPROM Removal
It is recommended that an IC (Integrated Circuit) insertion/extraction tool be used to remove EPROMs from the socket. Limitorque provides a kit which contains an EPROM removal tool; P/N 102424.

EPROM Installation
It is recommended that an IC insertion/extraction tool be used to hold the EPROM for installation. Limitorque provides a kit which contains an EPROM removal tool; P/N 102424. To insert a replacement EPROM, use the following procedure:

- The notch at one end of the EPROM must be lined up with the notch at one end of the socket. If the EPROM notch is not matched to the socket notch, the EPROM will be damaged when the unit is powered. Gently place the pins of one side of the EPROM into the socket holes in the correct side of the socket.
- Roll the EPROM over until the pins on the other side are each lined up with the socket holes. You may have to use slight pressure to line up the pins. When you are sure all pins are in line with the socket holes, firmly push down on the top of the EPROM until the pins are well seated in the socket.

Note:
A problem that can frequently occur when inserting ICs into sockets is if one or more pins are misaligned, missing the intended socket hole. In this case the affected pins do not make contact. The problem is difficult to see because the pins can appear to be in the socket hole. After installing the EPROM or other IC, always examine both rows of pins very carefully to ensure that the pins are aligned correctly with the IC.