

Excel 15 W7760A EPROM REPLACEMENT



INSTALLATION INSTRUCTIONS

DESCRIPTION

This EPROM Replacement procedure outlines the process to upgrade the Excel 15 W7760A Controller to the latest firmware release.

Firmware replacement kit: Part # 32004159-002

Procedure will apply to future firmware as released.

Material Needed

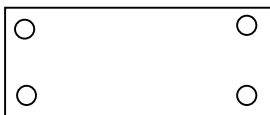
1. Replacement EPROM. Programmed with new Firmware
2. #10 Tork Driver (preferred), or 3/16" thin flat-blade screwdriver
3. Extraction Tool: AMP PLCC Extraction Tool 821903-50 00, AMP 822154-1 00, or small diameter probe/object (i.e. paper clip)

Procedure

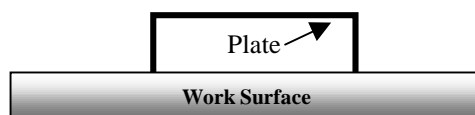
1. Discharge static electricity form body by touching known earth ground.
2. Remove W7760A from wiring subbase. Place controller on work surface with pins and label side up.
3. Remove plastic, anti-static sheet. (This sheet contains device information) – Set aside.

Caution: Do not tear plastic protective sheet at corners.

4. Using the #10 Tork Driver or flat-bladed screwdriver remove the four screws around perimeter. Put the screws aside in a secure place for later re-assembly.

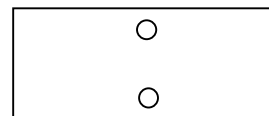


5. Remove galvanized plate. Place on adjacent work surface in the orientation as it was removed

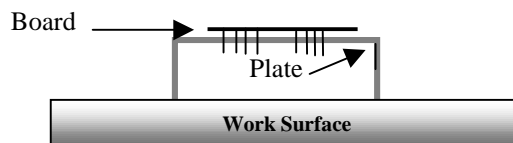


Side View

6. Set aside paper protective sheet, then remove 2 screws that secure board to cover.



7. Making certain you are grounded. Remove the circuit board and place it component side up, pin side down on top of the galvanized plate. Extend pins over the edge on each side of the galvanized plate.

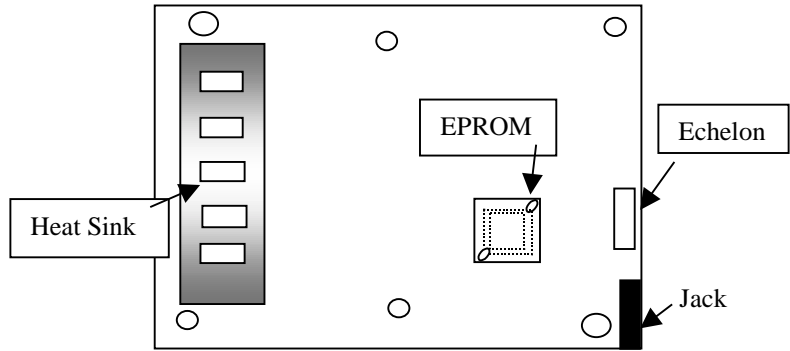


Side View



REPLACEMENT

Note: Orient the board with heat sink to left. The EPROM to be replaced is the socketed component located closest to the component labeled Echelon



8. Insert the tips of the Extraction Tool in the diagonal slots of the micro socket, and slowly remove the EPROM with a rocking motion.
9. Again, making certain you are grounded, insert the new EPROM into the socket, orienting the notch in the chip with the notch in the socket in the lower right hand corner. The EPROM may be inserted into the socket by placing it on top of the socket and pressing it into place with thumb pressure until it is seated. While pressing the EPROM into the socket, keep another finger on the rear of the circuit board behind the socket so the board is not stressed while pressing with the thumb.
10. Turn the circuit board upside down again and orient it on the cover. Replace the two center screws.
11. Replace the protective paper and the galvanized plate. Replace the 4 screws in each corner.
12. Replace the labeled plastic sheet.
13. Keep EPROM in a safe place until system operation has been confirmed.
14. Make a record of the W7760A as being updated. It is good idea to make a mark on the controller to that effect as well.
15. Reinstall the W7760A.

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