

MSA Ultima® Controller Software Upgrade Kit

The Ultima Controller Software Upgrade Kit contains:

- (1) Software Chip (P/N 812215)
- (1) Chip Extractor (P/N 10017603)
- (1) Ultima/Ultima X Series Controller and Calibrator Instruction Manual (P/N 813379).

To upgrade the Ultima Controller Software:

1. Remove the four screws on the back of the Controller and remove the cover.
2. Remove the Controller software with the chip extractor.

NOTE: When handling electronic components, it is recommended to do so at an electrostatically safe work station.

3. Replace with the upgrade chip provided.

NOTE: When placing the new upgrade chip into its socket, make sure that the corner chamfer on the chip aligns with the same chamfer on

the socket. Failure to do this may result in damage to the unit.

4. Replace the cover and secure the four screws.
5. Test unit by pressing 'ON' key.

