

TECHNICAL BULLETIN NO. 20090911

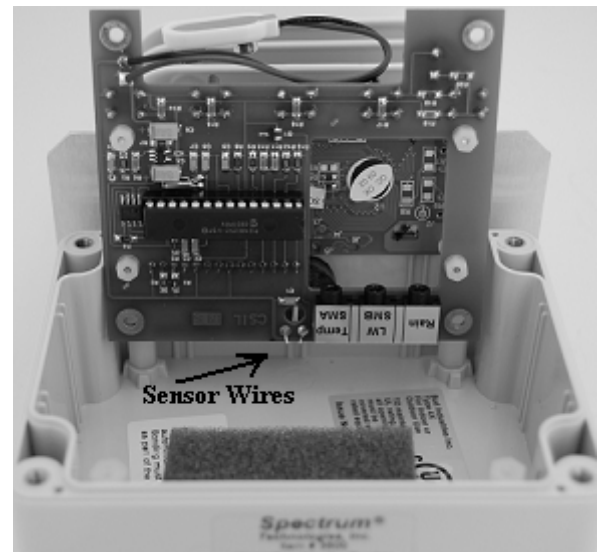
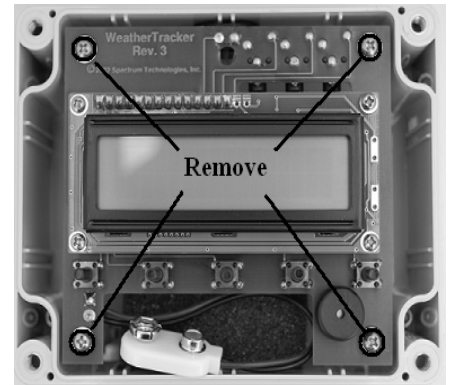
September 11, 2009

SUBJECT Microcontroller Replacement Instructions

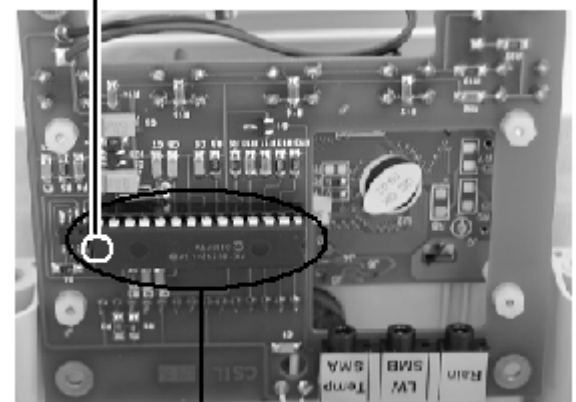
PRODUCT FAMILY WatchDog WeatherTracker

DETAILS

1. Remove the cover from the WeatherTracker.
2. Remove the battery and disconnect all external sensor cables from the external ports on circuit board.
3. Remove the 4 Phillips head screws on the front of the circuit board.
4. **Warning!** There are temperature sensor wires attached underneath the circuit board. Carefully pull the board towards the bottom of the weather station and lift it up slowly so that it is perpendicular to the weather station. **Do not** remove the board it will damage the temperature sensor wires.
5. Locate the microcontroller chip in its socket. With a small screwdriver or knife, gently pry the chip out of the socket by alternating ends. Grasp the microcontroller by the ends of the black plastic, not the pins.
6. Align the new microcontroller with the socket (note the polarity markings on the microcontroller, the socket, and the circuit board). Be sure all pins are aligned with the socket, and press the chip firmly into place.
7. Place the circuit board back in the enclosure.
8. Reinsert the battery. The unit should beep when the battery is inserted and then ask that date and time be set. If not, double-check that the polarity of the microcontroller and socket match, and that the batteries were inserted properly.
9. Remove the old microcontroller and dispose of it properly.
10. Replace the cover from the WeatherTracker.



Note polarity on chip



Microcontroller