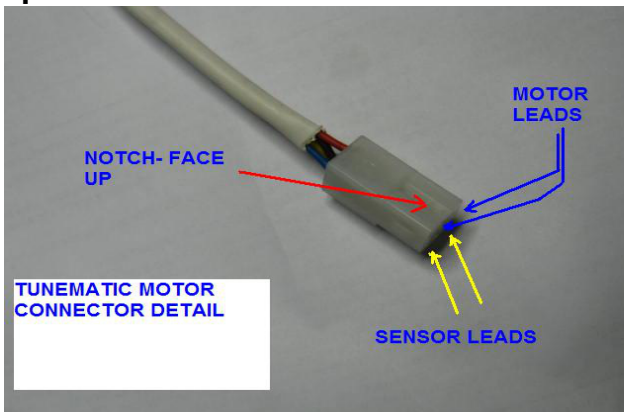


PULSE SENSOR TEST

This document details testing the TuneMatic sensor circuitry. Locate the motor connector (as identified in the photo below), and hold as shown in the diagram. Identify the **SENSOR LEADS** in the photo (bottom set of pins on motor connector with notch facing UP).

For all models:

- 1- Disconnect motor cable from antenna at TuneMatic end.
- 2- Turn off TuneMatic unit.
- 3- Locate a metal paper clip or small wire to insert into the **SENSOR LEADS** female pins.



For TuneMatic:

- 1) While holding the STORE button, apply power, then release STORE button once you hear the CW message.
- 2) Short the **SENSOR LEADS** on the motor cable with the paper clip, and the TuneMatic will beep, and the SUN symbol on the remote will remain on while the short remains.
- 3) Remove the short, and the beeping will stop, and the SUN symbol will extinguish.

For TuneMatic LITE:

- 1) Apply power to the LITE unit.
- 2) Momentarily press the UP button for 1/2 second.
- 3) Short and un-short the **SENSOR LEADS**, and observe the display on the LITE unit. Each time the sensor leads short and un-short, the display will count upward. The exact number of counts is not critical, as any counting on the display is sufficient when the pins are shorted and unshorted.

4) If these tests pass, re-connect motor cable to antenna, and repeat the above steps 1-3 at the antenna base.

5) If the test FAILS, there is an issue with the cable. If it passes, then there is an issue with the reed sensor circuitry inside the antenna, or oxidized connections at the connectors by the antenna.

6) If steps 1-3 above FAIL, please contact factory for further instructions.

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