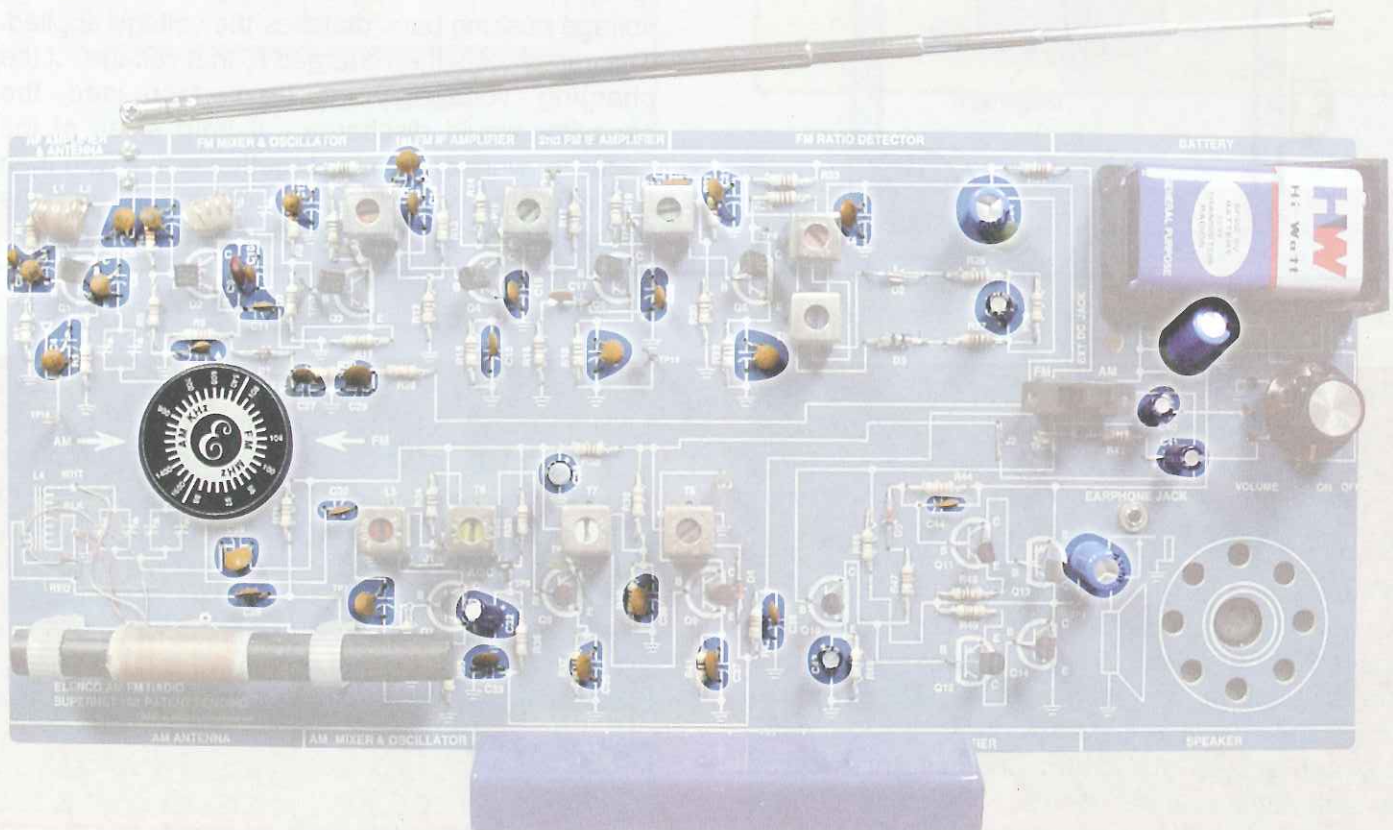


## CHAPTER 4: CAPACITORS

Learn  
By Doing®

Capacitors are components, which can store electric charge, an ability that makes them useful in many types of circuits. They can delay changes to a circuit, allowing things to happen slowly or in sequence. They are essential to filtering and tuning circuits, and

in many electronic products they are the most common component. As an example of how important capacitors are in electronics, consider a typical AM/FM radio (shown below). It contains 41 capacitors, which are highlighted.



In this chapter you will learn about the different types of capacitors, how they work, and how they are used in circuits. It will be fascinating to see how these simple components make electronics work.