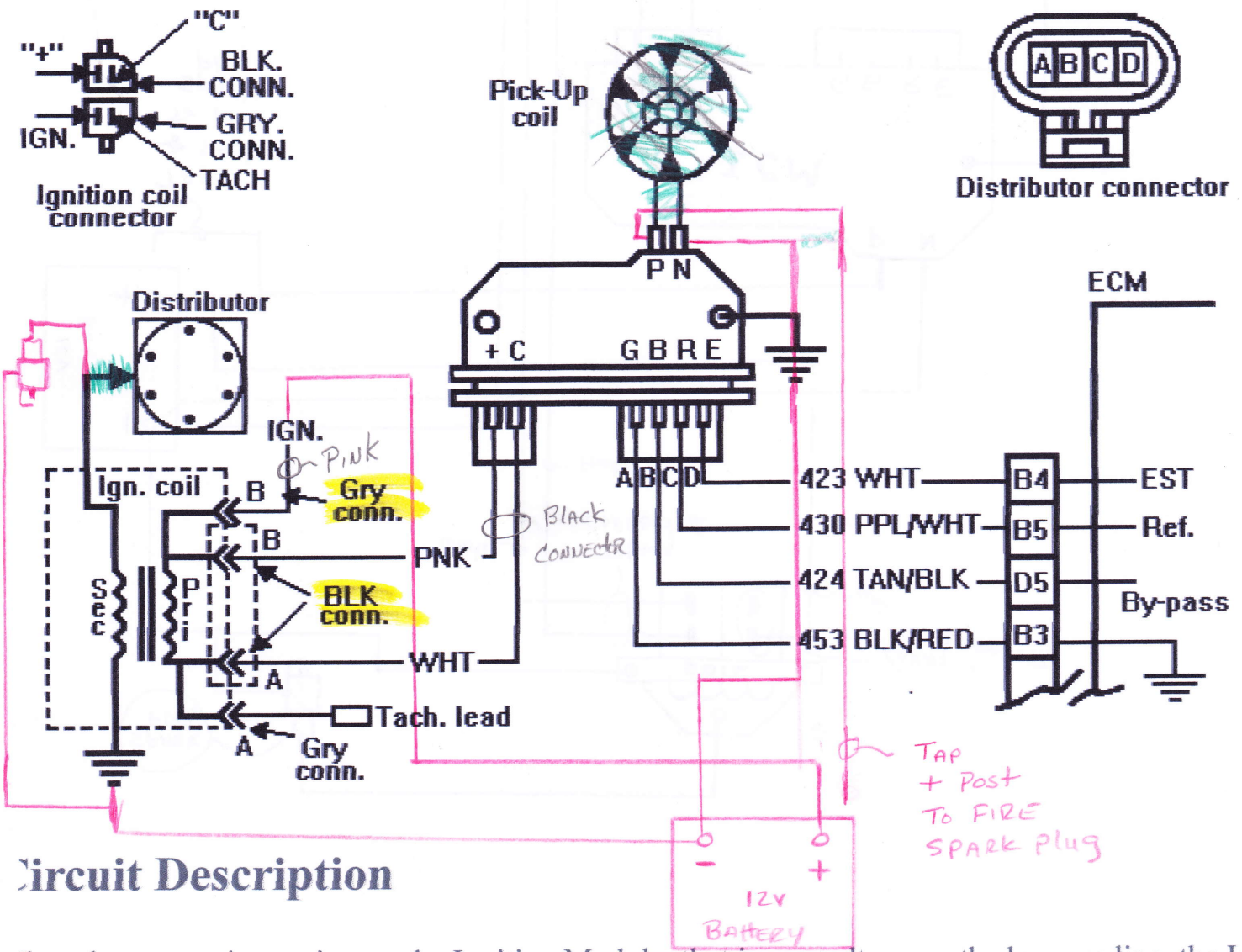


# Code 42 - Electronic Spark Timing Circuit (EST)



## Circuit Description

When the system is running on the Ignition Module, that is, no voltage on the by-pass line, the Ignition Module will fire the spark plug. When the rpm for EST is reached (about 400 rpm), and by-pass voltage applied, the EST should no longer fire. If the by-pass line is open or grounded, the ignition module will not switch to EST mode, so the EST will not fire. If the EST line is grounded, the ignition module will switch to EST, but because the line is grounded it will not fire.

## Problem Description:

Code 42 is set when:

- EST line open or grounded.
- By-pass line open or grounded.

## Diagnostic Aids: