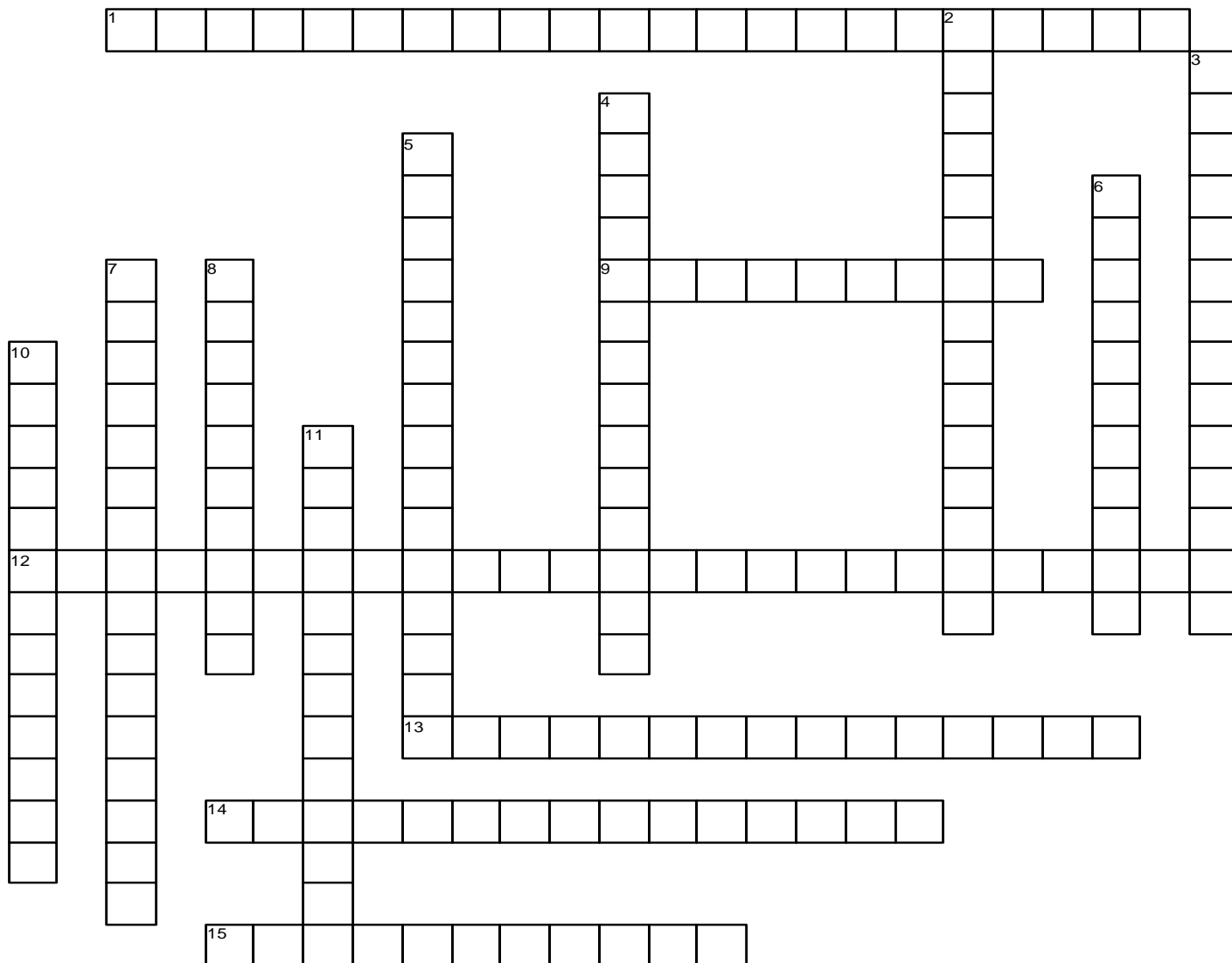


Electronic Throttle Control System

Chapter 29



<http://jameshalderman.com>

ACROSS

- 1 A typical ETC system includes a _____.
- 9 A typical ETC system includes an _____.
- 12 Most vehicle manufacturers refer to an electronic throttle as _____.
- 13 The partially open position is also called the _____.
- 14 The ETC system helps reduce engine power for _____ and electronic stability control systems.
- 15 The ETC system helps reduce pumping losses by using the electronic throttle to open at highway speeds with greater _____.

DOWN

- 2 An advantage of the ETC system is it is used to provide smooth _____, especially during rapid acceleration.
- 3 When the engine dies when coming to a stop, it's called _____.
- 4 An advantage of the ETC system is that it eliminates the need for an _____ valve.
- 5 The throttle plate is held in a _____ by a spring inside the throttle body assembly.
- 6 The electronic throttle can be called _____.
- 7 The partially open position is also called the _____.
- 8 The actuator is a DC electric motor and is often called a _____.
- 10 An ETC system eliminates the need for _____ actuators and controllers.
- 11 An ETC system eliminates the mechanical _____, thereby reducing the number of moving parts.