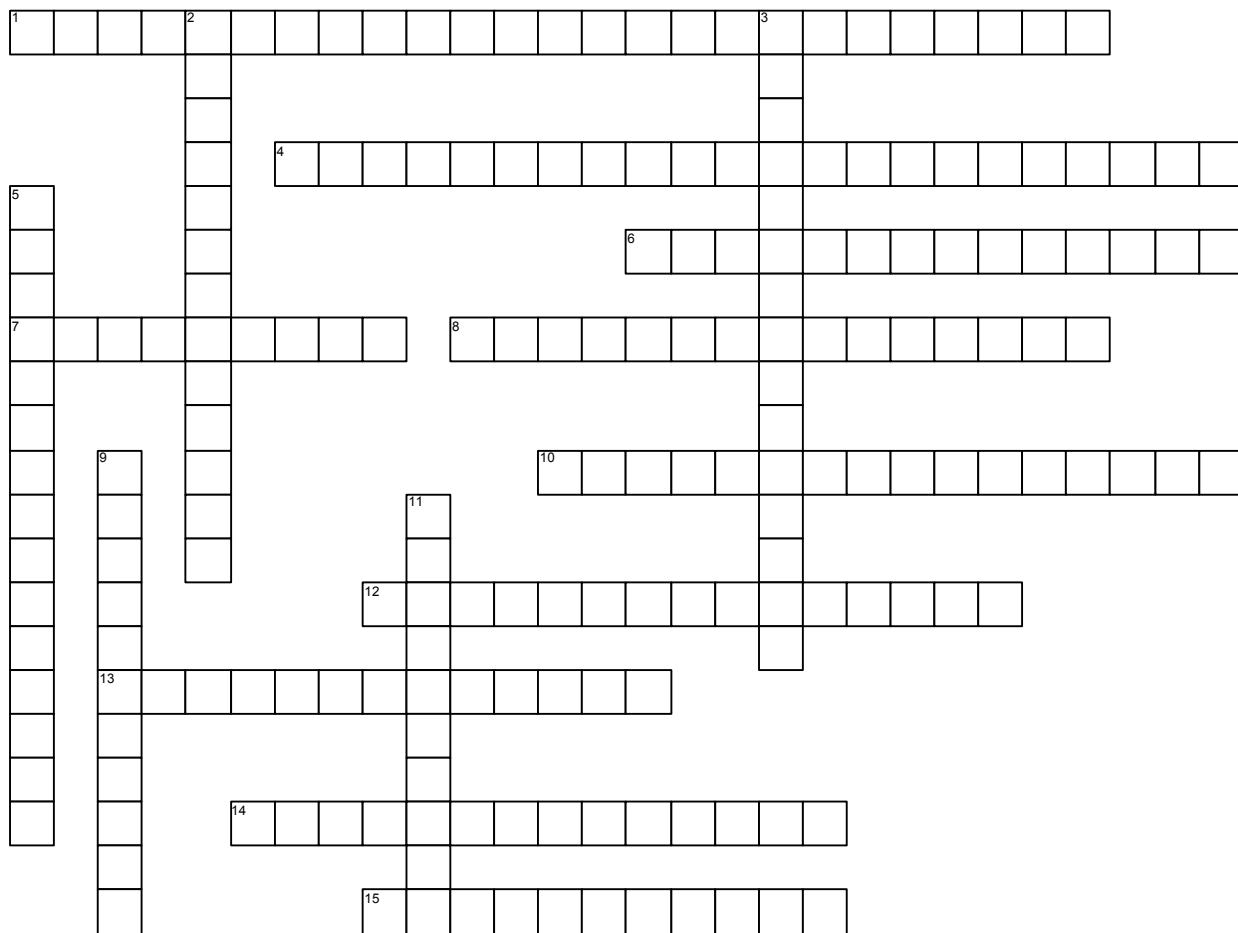


# Electronic Throttle Control System

## Chapter 22



<http://jameshalderman.com>

### ACROSS

- 1 Most vehicle manufacturers refer to an electronic throttle as \_\_\_\_\_.
- 4 A typical ETC system includes a \_\_\_\_\_.
- 6 An advantage of the ETC system is that it eliminates the need for an \_\_\_\_\_ valve.
- 7 A typical ETC system includes an \_\_\_\_\_.
- 8 The partially open position is also called the \_\_\_\_\_.
- 10 The partially open position is also called the \_\_\_\_\_.
- 12 The ETC system helps reduce engine power for \_\_\_\_\_ and electronic stability control systems.
- 13 An ETC system eliminates the need for \_\_\_\_\_ actuators and controllers.
- 14 When the engine dies when coming to a stop, it's called \_\_\_\_\_.
- 15 The electronic throttle can be called \_\_\_\_\_.

### DOWN

- 2 An ETC system eliminates the mechanical \_\_\_\_\_, thereby reducing the number of moving parts.
- 3 An advantage of the ETC system is it is used to provide smooth \_\_\_\_\_, especially during rapid acceleration.
- 5 The throttle plate is held in a \_\_\_\_\_ by a spring inside the throttle body assembly.
- 9 The ETC system helps reduce pumping losses by using the electronic throttle to open at highway speeds with greater \_\_\_\_\_.
- 11 The actuator is a DC electric motor and is often called a \_\_\_\_\_.