

# Engine Control Module

The Engine Control Module is a form of electronic computer unit that controls multiple parts of the motor:

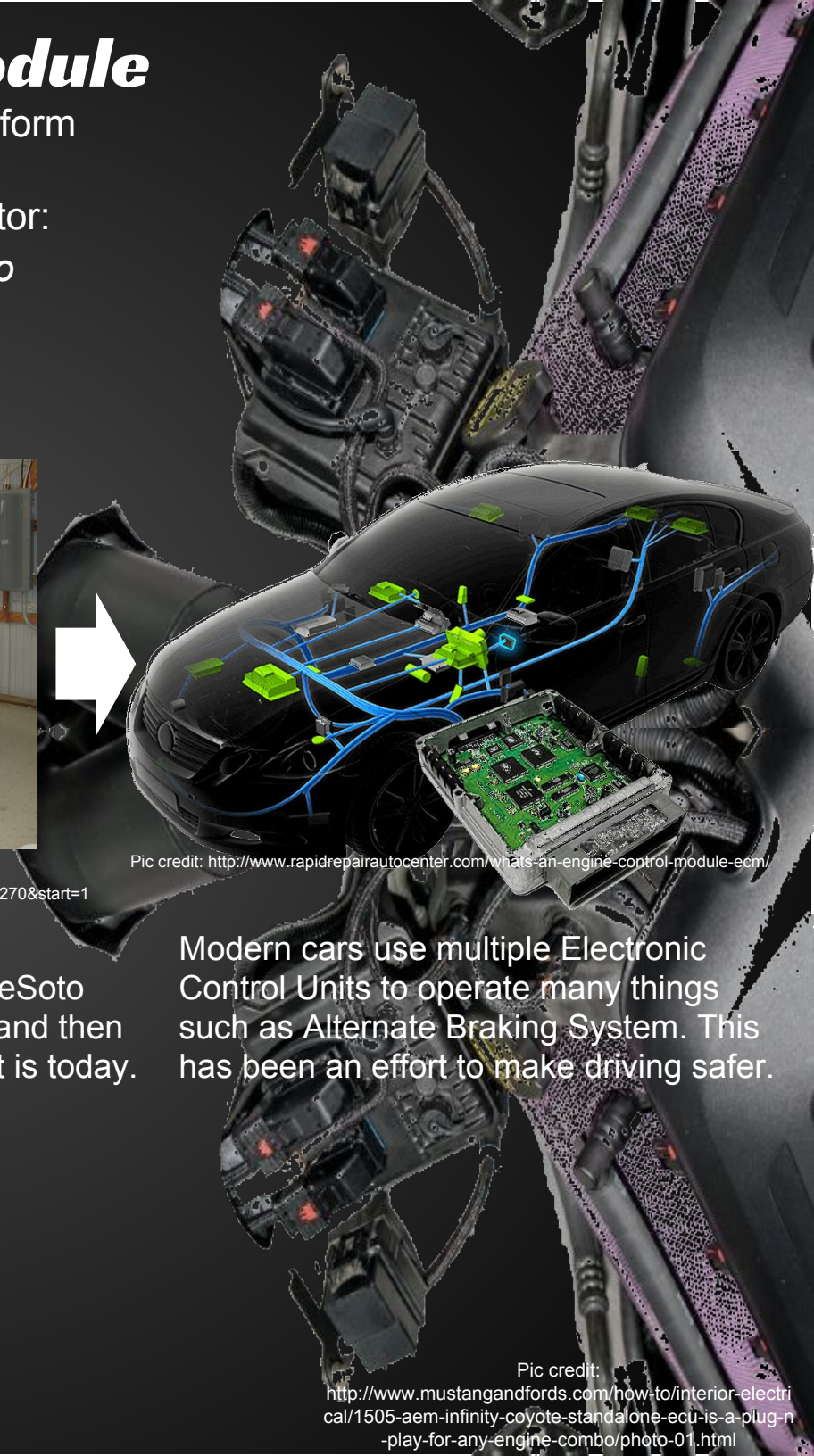
Control *Fuel-to-Air Input Ratio*  
and  
Control *Idle Speed*



Pic Credit: [https://en.wikipedia.org/wiki/Jonas\\_Hesselman](https://en.wikipedia.org/wiki/Jonas_Hesselman)



Pic Credit: <http://www.forwardlook.net/forums/forums/thread-view.asp?tid=19270&start=1>



Pic credit: <http://www.rapidrepairautocenter.com/whats-an-engine-control-module-ecm/>

Jonas Hesselman first came up with Direct Fuel Injection in 1925. This rids of a Carburetor and sprays fuel straight into each cylinder.

In 1958, Direct Fuel Injection was compuertized with the Chrysler DeSoto Electrojector. This used an ECM and then furthered the car market to what it is today.

Modern cars use multiple Electronic Control Units to operate many things such as Alternate Braking System. This has been an effort to make driving safer.

Pic credit: <http://www.mustangandfords.com/how-to/interior-electrical/1505-aem-infinity-coyote-standalone-ecu-is-a-plug-n-play-for-any-engine-combo/photo-01.html>