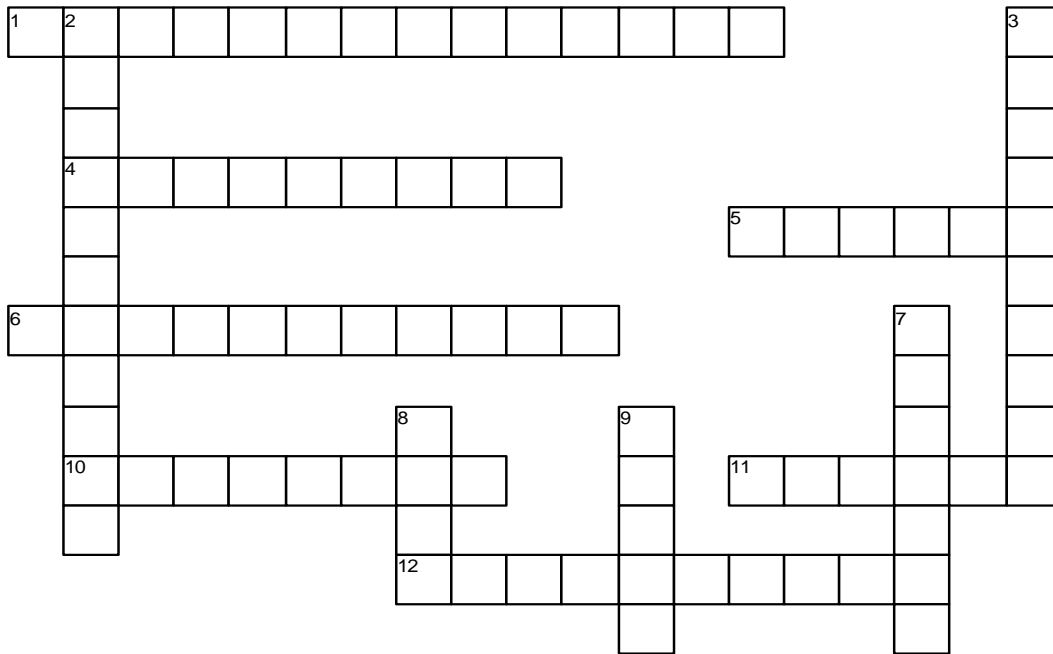


# Module Reprogramming

## Chapter 28



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### ACROSS

- 1 A typical \_\_\_\_\_ is not recommended for voltage stabilization during the reprogramming process.
- 4 Many times, in order to reprogram a module a technician must be a registered vehicle security professional and have a \_\_\_\_\_ ID.
- 5 The abbreviation for electronically erasable programmable read only memory.
- 6 Another term for application programming interface (API) is \_\_\_\_\_ device.
- 10 \_\_\_\_\_ programming of a controller is defined as having the module programmed someplace other than the vehicle.
- 11 \_\_\_\_\_ programming is when the service facility plugs in the equipment and follows the instructions of someone who is at a distant location.
- 12 In order to provide a stable vehicle voltage throughout the reprogramming process, it is recommended that a battery \_\_\_\_\_ be connected to the vehicle during the repair.

### DOWN

- 2 Each manufacturer has developed their own J2534 pass-through device or \_\_\_\_\_ programming interface.
- 3 The Society of \_\_\_\_\_ Engineers (SAE) is a professional organization made up of automotive engineers and designers that establishes standards and conducts testing for many automotive related functions.
- 7 \_\_\_\_\_ reprogramming of the controller is defined as having the module connected to the vehicle during the process.
- 8 Instead of replacing an entire module, a technician can remove the \_\_\_\_\_ and install a replacement chip.
- 9 The \_\_\_\_\_ is a cooperative effort of the automotive service industry, the tool industry, and the original equipment manufacturers to ensure that automotive professionals employed outside of the OEM have all the information, training, and tools they need to diagnose and repair modern automobiles.