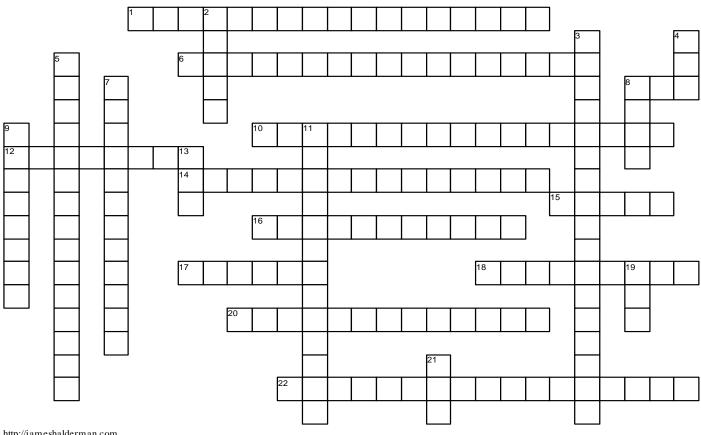
Computer Fundamentals

Chapter 16



information even when the battery is

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| | | | disconnected. |
|----|---|----|---------------------------------------|
| 1 | One of the names for the onboard | 17 | Most program chips since the early |
| | automotive computer is the | | 1990s, called can be |
| | assembly. | | reflashed. |
| 6 | The SAE bulletin J1930 | 18 | The ratio of on-time relative to the |
| | standardizes the | | period of the cycle is referred to as |
| | module as the name of the onboard | | |
| | automotive computer. | 20 | The PCM switches are actually |
| 8 | is a method of controlling an | | transistors, and are often called |
| | output using a digital signal. | | · |
| 10 | One of the names for the onboard | 22 | is a process that |
| | automotive computer is the | | includes amplifying voltage signals |
| | unit. | | that are too small for the computer |
| 12 | Anis an electrical or | | circuitry to handle. |
| | mechanical device that converts | | |
| | electrical energy into heat, light, or | DC | OWN |
| | motion. | | |
| 14 | A digital computer changes the | 2 | generator is another name |
| | analog input signals to digital bits of | | for a crystal oscillator. |
| | information through an | 3 | One of the names for the onboard |
| | converter circuit. | | automotive computer is the |
| 15 | is a signal from a device that | | module. |
| | can be as simple as a button or a | 4 | A type of volatile RAM called |
| | switch on an instrument panel, or a | | can be wired directly to battery |
| | sensor on an engine. | | power. |
| 16 | RAM can retain its | 5 | The can process |

| | thousands of digital signals per | | |
|----|--------------------------------------|--|--|
| | second because its circuits are able | | |
| | to switch voltage signals on and off | | |
| _ | in billionths of a second. | | |
| 7 | The number system containing only | | |
| | 0s and 1s is called the | | |
| 8 | Part of the ROM is built into the | | |
| • | computer, and the rest is located in | | |
| | an IC chip called a | | |
| | | | |
| 9 | The computer's speed is called the | | |
| | | | |
| 11 | creates a three- | | |
| | dimensional performance graph that | | |
| | applies to a given vehicle and | | |
| | powertrain combination. | | |
| - | Temporary memory is called | | |
| 19 | The can be considered the | | |
| | brain of a computer. | | |
| | | | |

