

Automotive Technology 7th Edition
Chapter 84: Module Reprogramming
Matching Quiz

Name: _____

Date: _____

Matching: Choose the item in column 2 that best matches each item in column 1.

- | | | |
|----------------------------|--|-----------|
| 1. PROM | A. A device that provides stable voltage to a vehicle during repair and is recommended for reprogramming to prevent issues caused by voltage fluctuations. | 1. _____ |
| 2. SAE J2534 | B. A cooperative industry group that created a portal for automotive professionals to access manufacturer-specific reprogramming information and obtain a Locksmith ID. | 2. _____ |
| 3. Pass-Through Device | C. An early method of updating a module's calibration that required a technician to physically remove and replace a memory chip. | 3. _____ |
| 4. NASTF | D. The method of reprogramming a controller in a location separate from the vehicle, such as at a local parts store. | 4. _____ |
| 5. On-Board Reprogramming | E. A mandated standard for communication between a computer and a vehicle that allows for the reprogramming of emission-related modules on all vehicles manufactured after 2004. | 5. _____ |
| 6. Off-Board Reprogramming | F. Hardware that serves as a connection point, allowing a computer with the necessary software to communicate with a vehicle's control module via the data link connector (DLC). | 6. _____ |
| 7. Battery Maintainer | G. The process of having a module connected to the vehicle while its software is being updated. | 7. _____ |
| 8. Remote Reprogramming | H. Aftermarket devices or programs primarily designed to increase torque and horsepower, often by taking the vehicle out of emission compliance. | 8. _____ |
| 9. Aftermarket "Tuners" | I. Electronically erasable programmable read-only memory, which allowed technicians to download and install new software without replacing hardware. | 9. _____ |
| 10. EEPROM | J. A relatively new process where a service facility uses equipment connected to the internet to allow a third party with a manufacturer subscription to perform the update. | 10. _____ |

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Answer Key

Answer Key:

1. C
2. E
3. F
4. B
5. G
6. D
7. A
8. J
9. H
10. I