

Automotive Technology 7th Edition
Chapter 88: Hybrid and Electric Vehicle Maintenance
Matching Quiz

Name: _____ Date: _____

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

- | | | |
|------------------------------------|---|-----------|
| 1. Maintenance Mode | A. A region where corrosion is common, causing brake pins and sliders to stick. | 1. _____ |
| 2. Full synthetic oil | B. Nonconductive refrigerant oil used in electrically driven air-conditioning systems. | 2. _____ |
| 3. Premixed coolant | C. Often used for the auxiliary battery when located in the passenger or trunk area. | 3. _____ |
| 4. Regenerative braking | D. Uses acoustical foam to eliminate noise in the 130–240 Hz range. | 4. _____ |
| 5. Noise-reducing tires | E. Bypasses the idle-stop feature to keep the engine running. | 5. _____ |
| 6. High-voltage battery air filter | F. Recommended for cooling systems to prevent corrosion from minerals in tap water. | 6. _____ |
| 7. POE oil | G. Used in most hybrid vehicles because the engine stops and starts frequently. | 7. _____ |
| 8. Skateboard design | H. Prevents passenger compartment debris from entering the battery cooling system. | 8. _____ |
| 9. "Salt belt" | I. Captures a moving vehicle's kinetic energy and converts it to electrical energy. | 9. _____ |
| 10. AGM battery | J. Chassis design where the high-voltage battery fills a large portion of the underside, requiring care when lifting. | 10. _____ |

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Answer Key

Answer Key:

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