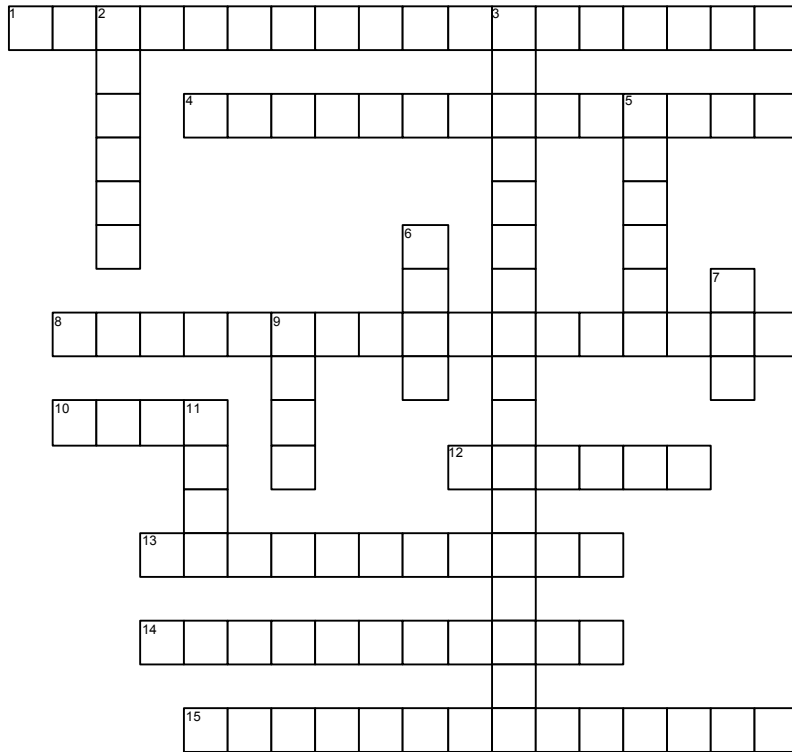


Hybrid Electric Vehicle Safety Procedures

Chapter 42



<http://jameshaldeman.com>

ACROSS

- 1 _____ - _____ batteries may be damaged if exposed to high temperatures, such as in a paint oven.
- 4 Both positive and negative high-voltage power cables are isolated from the metal chassis, so there is no possibility of shock by touching the metal chassis, this design is called a _____.
- 8 A CAT III-certified _____ is required for making measurements on high-voltage systems.
- 10 _____ requirements specify that the HV gloves get inspected every six months by a qualified glove inspection laboratory.
- 12 _____ conduit indicates 42 volts.
- 13 Hybrid electric vehicles and all electric vehicles use _____ - _____ circuits that if touched with an unprotected hand could cause serious burns or even death.
- 14 Step three for de-powering the high-voltage system is to remove the high-voltage fuse or _____ or switch.
- 15 Rubber _____ protect the wearer from a shock hazard.

DOWN

- 2 _____ is the minimum-rated meter that should be used for hybrid vehicles.
- 3 _____ - _____ are identified by color of the plastic conduit.
- 5 _____ conduit indicates 144 to 600 volts or higher.
- 6 _____ conduit indicates 42 volts.
- 7 The _____ has several categories of voltage standards for meter and meter leads.
- 9 _____ was formed over a century ago to address the need for component testing in industry.
- 11 The _____ is a private, nonprofit organization that administers and coordinates the US voluntary standardization and conformity assessment system.