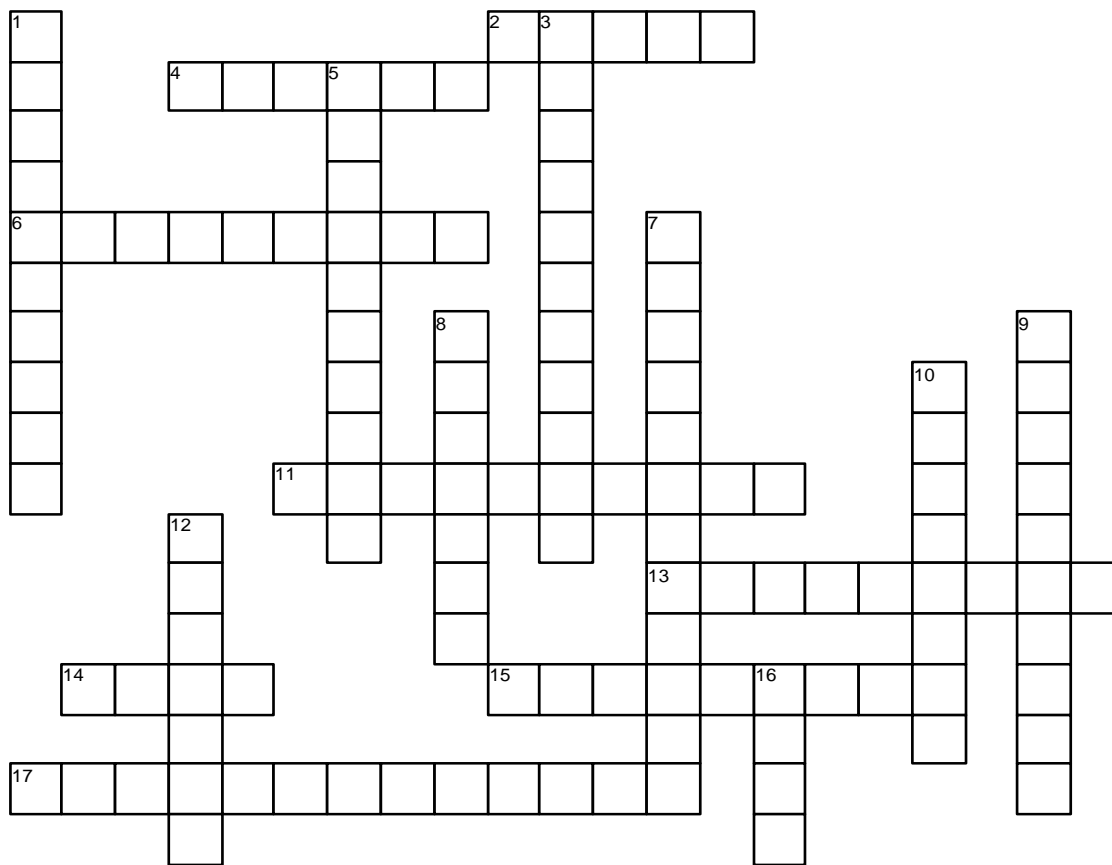


Hybrid and Electric Vehicle Safety

Chapter 86



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ACROSS

- 2 Category _____ is the minimum-rated meter that should be used for hybrid and electric vehicles.
- 4 Use ONLY a _____ fire extinguisher rated for electrical fires.
- 6 Some manufactures recommend the use of _____ boots or shoes to protect against exposure to high voltage.
- 11 Some manufactures recommend that a 10-foot insulated _____ pole be available outside the safety zone to be used to pull a technician away from the vehicle.
- 13 A local _____ is a LV circuit that uses separate switches and contacts to detect when there has been an open in LV circuits or components that are associated with the HV system.
- 14 Abbreviation for American Society for Testing and Materials.
- 15 ANSI is the abbreviation for American National _____ Institute.
- 17 The _____ Electrotechnical Commission has several categories of voltage standards for meter and meter leads. These categories are ratings for over voltage protection and are rated CAT I, CAT II, CAT III, and CAT IV.

DOWN

- 1 A category three (CAT III) certified digital _____ is required for Hybrid and electric vehicles that are equipped with electrical systems whose voltages can exceed 600 volts DC.
- 3 Electric and hybrid electric vehicles use _____ (HV) circuits that if touched with an unprotected hand could cause serious burns or even death.
- 5 The _____ relays (SMRs) or contactors disconnect power from the cables the moment the ignition is turned off.
- 7 The _____ Safety and Health Administration (OSHA) requirements specify that the HV gloves get inspected every six months by a qualified glove inspection laboratory.
- 8 Remove all _____, rings, watches, and bracelets before working on the vehicle.
- 9 The HV system uses _____ or heavy-duty relays to detect opens in the HV circuits.
- 10 Some manufacturers recommend _____ clothing or long sleeve, 100% cotton clothing that is tucked into the gloves when working on HV components.
- 12 Use an outer _____ glove to protect the HV rubber gloves.
- 16 Abbreviation for accoustic vehicle alerting system.