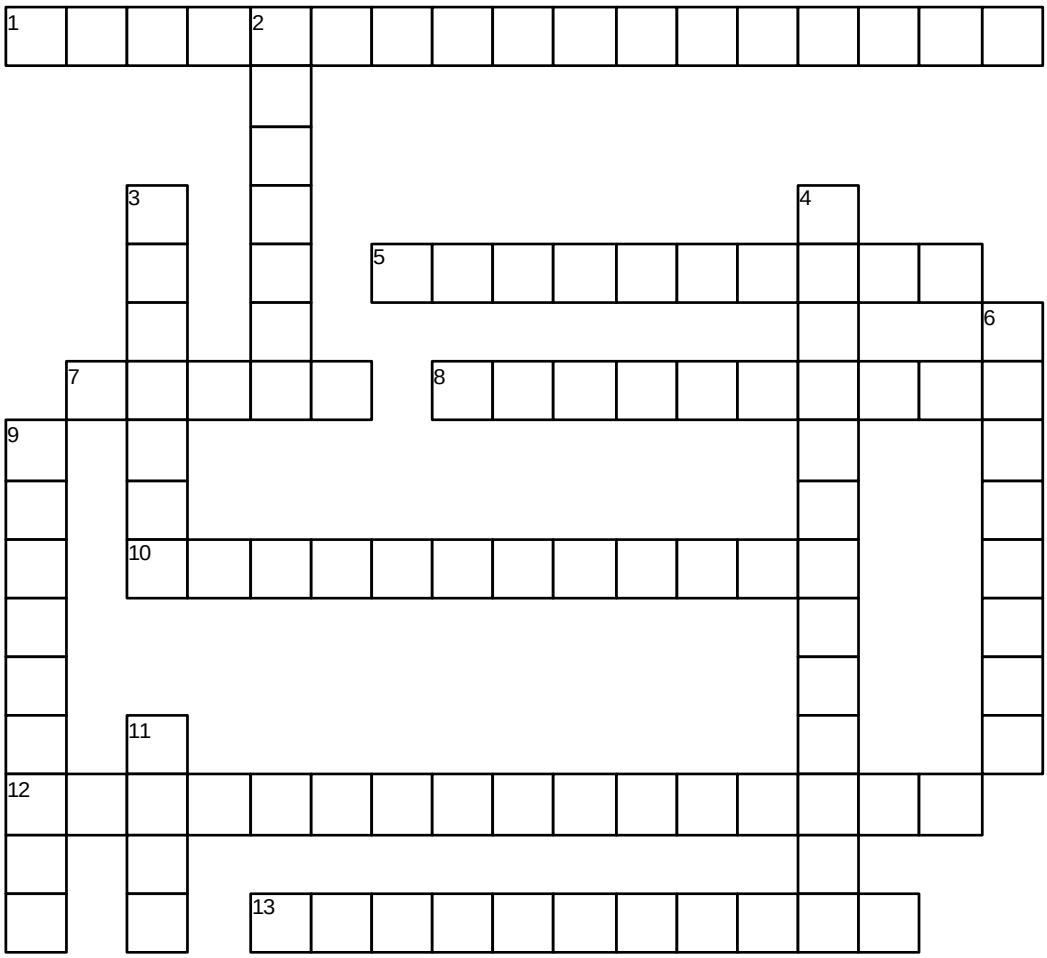
Hybrid and Electric Vehicle Preventative Maintenance
Chapter 88



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ACROSS

1 As part of correctly diagnosing a hybrid or electric vehicle, the technician must understand what the indicators in the _____ _____ and message center mean.

5 Many electric power steering systems contain _____ that provide additional voltage to the system under heavy operating loads .

7 _____ inflation pressure increases rolling resistance and reduces load-carrying capacity and tire life.

8 Make sure the high-voltage system has been properly depowered before removing the _____ for service.

10 All hybrid and electric vehicles use a _____ braking system, which captures the kinetic energy of the moving vehicle and converts it to electrical energy and is sent to the high-voltage battery pack.

12 Most electric vehicle chassis are developed using a "_____ _____."

13 Many hybrid vehicles rely on the air that is heated and cooled for the passenger compartment to regulate the temperature of the ____-_____ battery.

DOWN

2 Many customers love their hybrid and electric vehicle; however, _____ maintenance is frequently overlooked because it is different from a vehicle with just an internal combustion engine (ICE).

3 During routine service work, there is no need for a technician to _____ the high-voltage system.

4 The purpose of a _____ _____tire is to eliminate noise in the 130–240 Hz range that would be normally covered up by normal engine noise in a vehicle with an ICE.

6 Most vehicle manufacturers will recommend using _____ coolant because using tap water (half of the coolant) that has minerals could cause corrosion issues.

9 Hybrid and electric vehicles should be _____ the same as any other type of vehicle.

11 The ____ brakes on many hybrid and electric vehicles are often found to be stuck or not functioning correctly because the brakes are not doing much work and can rust.