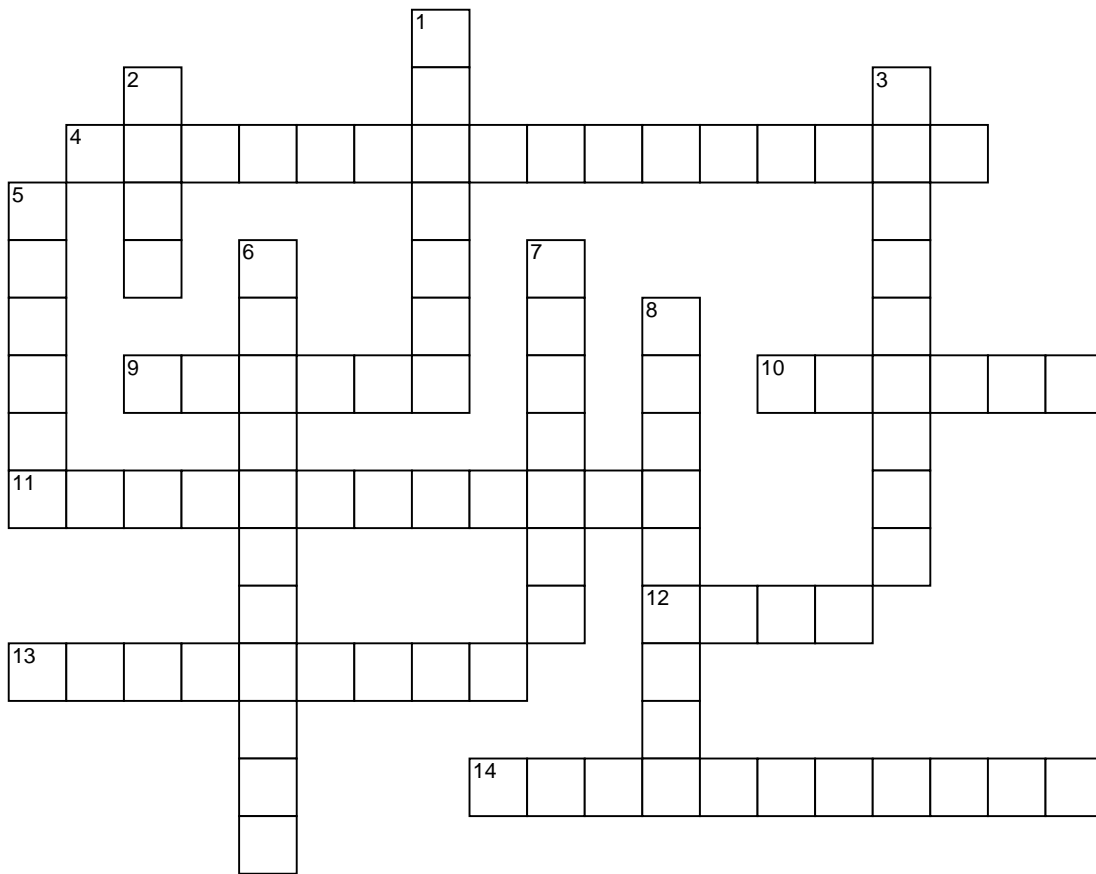


# Four-Wheel Drive Diagnosis and Service

## Chapter 16



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### ACROSS

- 4 After checking for stored diagnostic trouble codes, \_\_\_\_\_ bulletins should be checked to see if there are any faults that are addressed for the codes that have been set.
- 9 The first step is to \_\_\_\_\_ the customers concern.
- 10 \_\_\_\_\_ (generic) scan tools are the lowest-priced scan tools and they are designed to only be able to retrieve emission-related data as per the SAE standard J1979.
- 11 \_\_\_\_\_ hubs should be cleaned periodically, especially if the vehicle has been driven under water or in dusty conditions.
- 12 Abbreviation for Technical Service Bulletins.
- 13 Some units use a \_\_\_\_\_-\_\_\_\_\_ seal, which is a seal that prevents fluid from moving to and from the transfer case to the transmission.
- 14 \_\_\_\_\_ scan tools are designed to function on more than one brand of vehicle.

### DOWN

- 1 \_\_\_\_\_ scan tools are scan tools required by all dealers that sell and service a specific brand of vehicle.
- 2 Most transfer cases and power transfer units have a \_\_\_\_\_ oil-level plug in the side of the case for checking the oil level.
- 3 \_\_\_\_\_ are the most important tools for any diagnostic work on all vehicles.
- 5 Hoist the vehicle safely and perform a thorough \_\_\_\_\_ inspection of the driveline.
- 6 Often in electronic-controlled transfer cases, the controller will light a separate \_\_\_\_\_ to notify that the control system has detected a problem with the system.
- 7 Sometimes the diagnostic trouble code will also have a two-digit \_\_\_\_\_ that gives additional information to help the technician find the fault.
- 8 Tire circumference can be checked by wrapping a \_\_\_\_\_ measure around the tread.