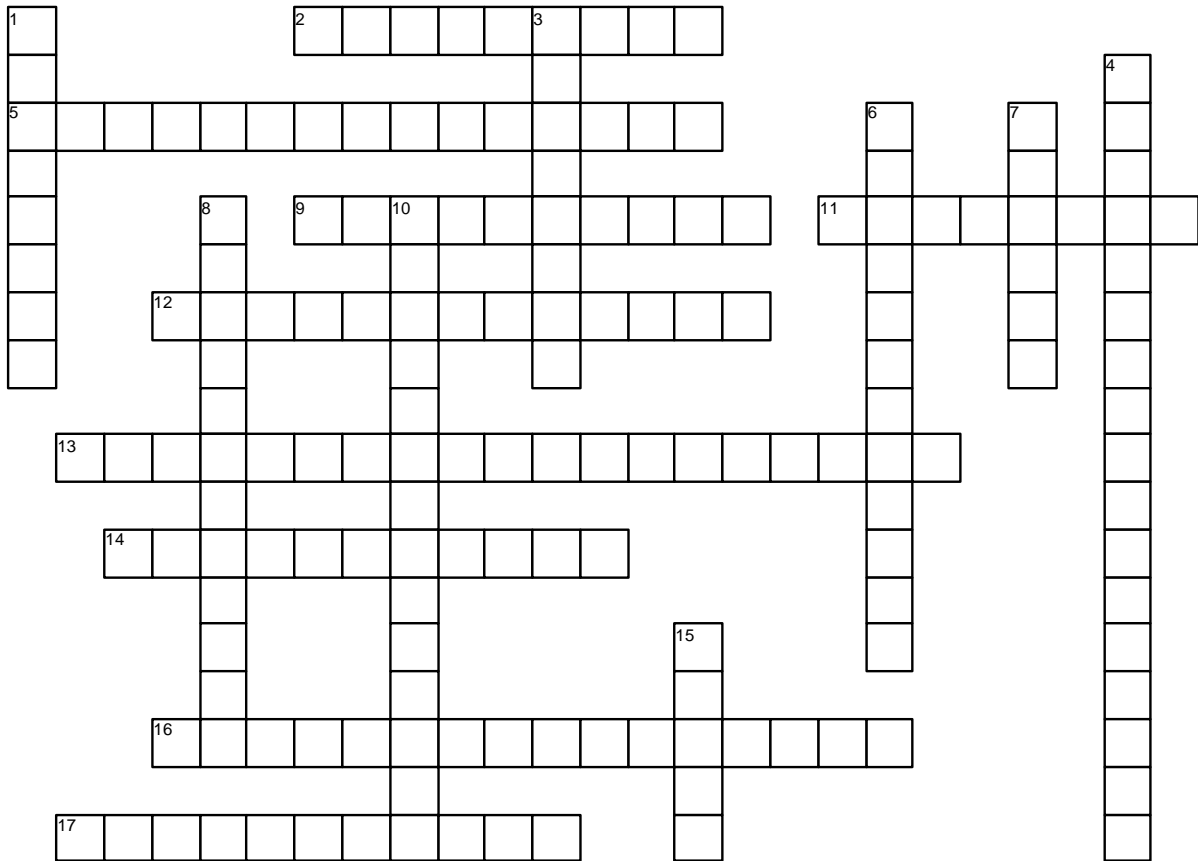


Transmission Condition Diagnosis

Chapter 13



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ACROSS

- 2 The three most common sources of transmission noise are bearings, gears, and the _____ system.
- 5 _____ tools are designed to function on more than one brand of vehicle.
- 9 Honda's factory scan tool is called HDS or _____.
- 11 The first step when diagnosing automatic transmission concerns is to verify the _____ complaint.
- 12 When a new TCM is installed it is often necessary to perform a _____.
- 13 Another name for Powertrain Control Module (PCM) is _____ module.
- 14 _____ of transmission fluid can cause slippage and mushy operation because of the air in the foamy fluid.
- 16 Some highly _____ - _____ ATF's tend to turn light brown after a short period of time and this should not be used as a sign of fluid breakdown.
- 17 _____ tools are scan tools required by all dealers that sell and service specific brand vehicles.

DOWN

- 1 A _____ is used to verify the customer's concern and check the general overall condition of the transmission.
- 3 On a scan tool, an _____ oxygen sensor should have a voltage varying between 200 and 800 mV.
- 4 One of the roles of the _____ module is to monitor the transmission operation and determine if malfunctions may be occurring.
- 6 Some vehicles include a code for _____ index, also called transmission adapt pressure (TAP) or clutch fill volume index.
- 7 The vehicle DTCs and data can be acquired by looking at the _____ (generic) part of the PCM and does not need to have the vehicle information entered into the scan tool.
- 8 On a scan tool, a _____ pulse width should read 1.5 to 3.5 ms.
- 10 Check for the proper voltage and current of the _____ using a factory or factory-level scan tool.
- 15 Bearing noise, often described as a _____, is caused by damage, pits, or scoring that makes the surface rough.