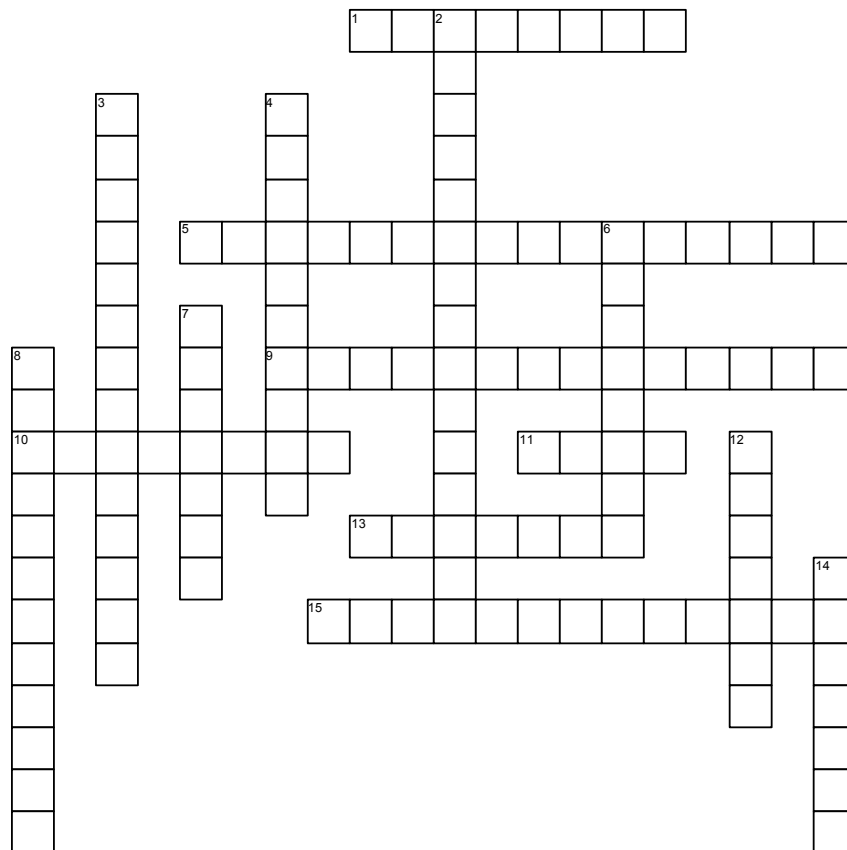


Manual Transmission/Transaxle Diagnosis and Service

Chapter 8



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ACROSS

- 1 Check for _____, which is a reddish dust found around areas that have rusted and is a likely location where wear has occurred.
- 5 The _____ is almost a repeat of the engine-off check except that it checks for clutch drag as well as transaxle/transmission problems.
- 9 It is recommended to do a _____ at each engine oil change.
- 10 _____ is an advanced stage of decay when flaking away of particles from the bearing race occurs.
- 11 A selective _____ is located at a bearing at one end of each shaft, and the thickness of it controls the amount of preload.
- 13 A light scraping away of the surface of the bearing race is called _____.
- 15 Scratches, pitting, or scoring in a scattered pattern on the ball or roller surfaces of a bearing is called _____.

DOWN

- 2 The _____ measures the effort required to move the synchronizer sleeve or gear, fork, and shift rail past the neutral detent and into mesh.
- 3 _____ is a series of small burn marks or grooves across the raceways of a bearing.
- 4 A series of indentations pressed or worn into a bearing race is called _____.
- 6 When small particles decay and break off the bearing races, it is called _____.
- 7 During the reassembly of a transaxle/transmission that uses tapered roller bearings, the _____ of each shaft should be checked.
- 8 A diagonal polish of the stationary bearing race while excess wear occurs all over the rotating raceway from a bore and shaft that are not correctly aligned is called _____.
- 12 _____ is caused when balls or rollers fail to roll and this causes damage to cage and end of rollers with evidence of excessive heat.
- 14 Another name for preload is _____.