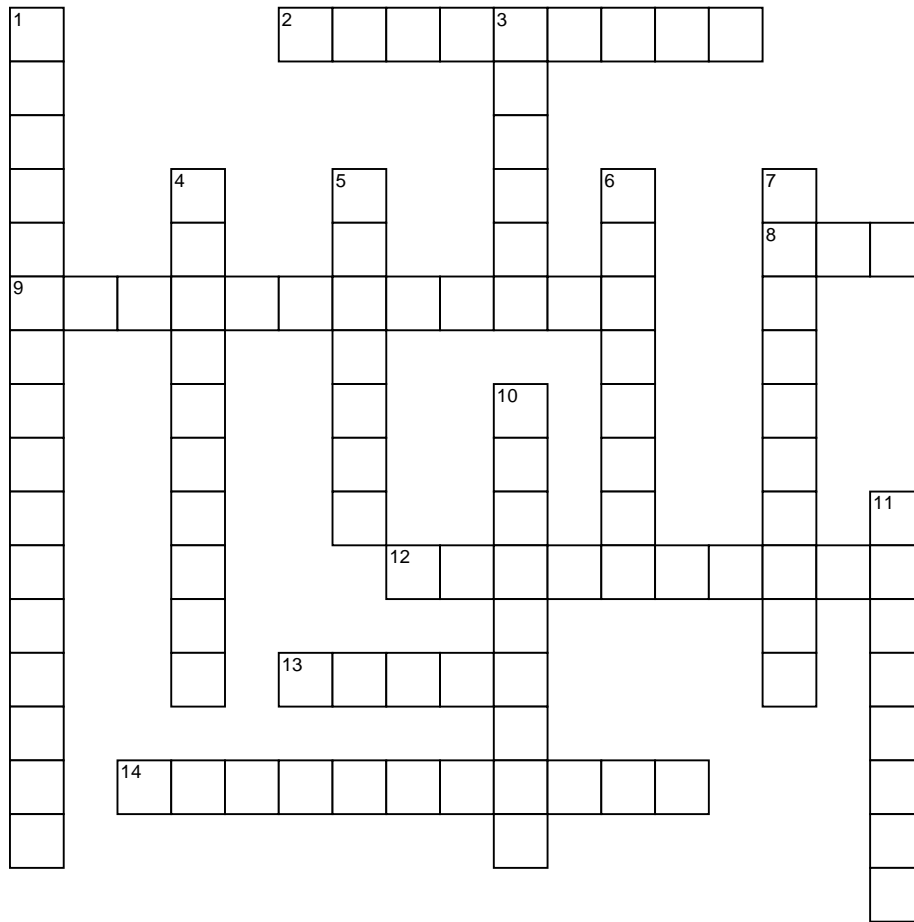


Driveshaft and Half Shaft Service

Chapter 10



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ACROSS

- 2 To allow the knuckle room to move outward enough to remove the drive axle shaft, some or all of the following will have to be disconnected lower ball joint or _____.
- 8 Abbreviation for rear-wheel-drive.
- 9 _____ is a tool used to measure angles.
- 12 To inspect U-joints, move each joint through its full travel, making sure it can move (_____) freely and equally in all directions.
- 13 When a CV joint wears or fails, the most common symptom is _____ while driving.
- 14 U-joints should be forged (never cast) and use up to 32 needle bearings (also called _____) instead of just 24 needle bearings, as used in lower-quality U-joints.

DOWN

- 1 Many drive axles are retained by _____ nut that must not be reused.
- 3 The _____ must be removed whenever servicing a CV joint or shaft assembly on a front-wheel-drive vehicle.
- 4 _____ is where the changing rear pinion angle creates a binding in the spline when the rear springs change in height.
- 5 The _____ should be inspected every time the vehicle chassis is lubricated, or four times a year.
- 6 In addition to _____ lubrication, the driveshaft should be grabbed and moved to see if there is any movement of the U-joints.
- 7 The _____ must travel up and down as the vehicle moves over bumps and dips in the road while rotating and transmitting engine power to the drive wheels.
- 10 U-joints that use _____ retainers must be separated using a press and a special tool to press onto both sides of the joint in order to shear the plastic retainer.
- 11 The angle of the front joint is changed by adding or _____ shims from the mount under the transmission.