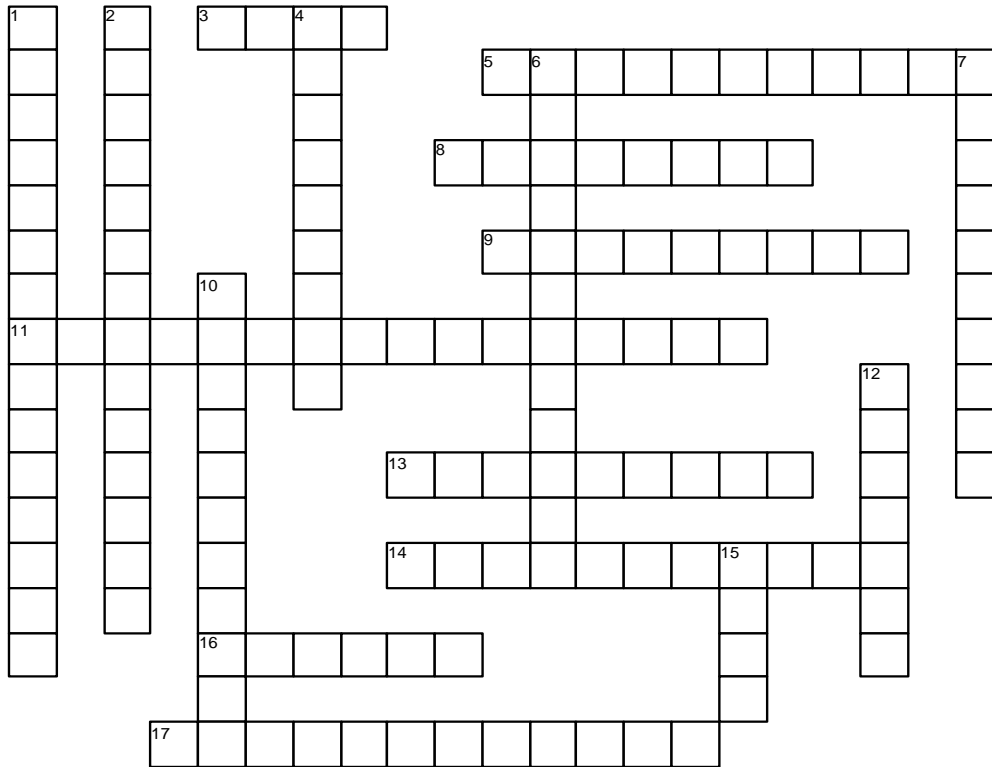


Drive Shaft And CV Joint Service

Chapter 129



<http://jameshalderman.com>

ACROSS

- 3 If the transmission ratio is 1 to 1 the driveshaft rotates at the ____ speed as the engine.
- 5 Another name for needle bearings is ____.
- 8 Whenever a driveline clunk is being diagnosed, one possible cause is excessive ____ between the ring gear teeth and differential pinion teeth in the differential.
- 9 Many knuckles are attached to the ball joint on the lower control arm by a ____.
- 11 ____ nuts are slightly deformed or contain a plastic insert that holds the nut tight to the shaft without loosening.
- 13 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.
- 14 In addition to periodic ____, the driveshaft should be grabbed and moved to see if there is any movement of the U-joints.
- 16 The ____ must be removed whenever servicing a CV joint or shaft assembly on a front-wheel-drive vehicle.
- 17 Most manufacturers warn against using an air ____ to remove the hub nut.

DOWN

- 1 Apply a ____-____ grease to the spline teeth of the yoke.
- 2 If the caps fall off the U-joint, all of the ____ will fall out and scatter over the floor.
- 4 Remove any burrs on the splines with a small ____.
- 6 An ____ is a tool used to measure angles on U-joints.
- 7 ____ is where the changing rear pinion angle creates a binding in the spline when the rear springs change in height.
- 10 The angle of the rear joint is changed by installing a ____ between the leaf spring and the axle.
- 12 The ____ should be inspected every time the vehicle chassis is lubricated.
- 15 When removing a driveshaft, use ____ to prevent the rear U-joint caps from falling off.