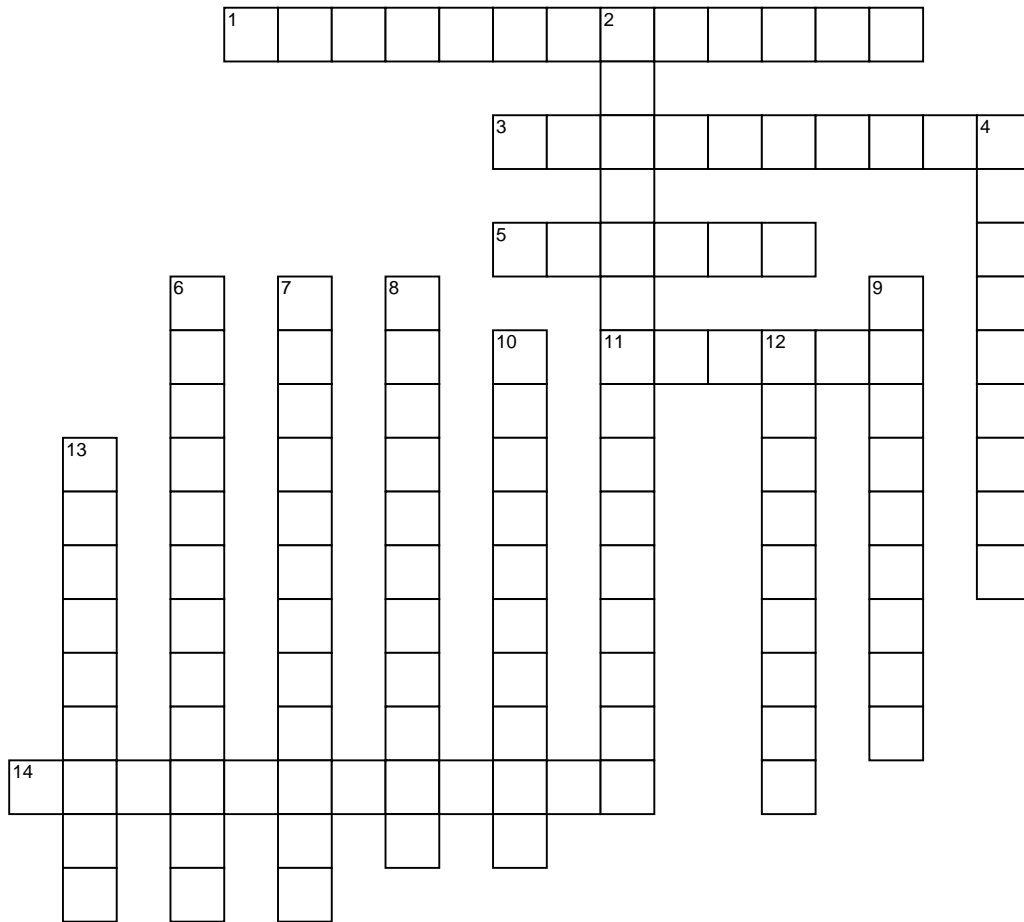


Driveshafts and Half Shafts

Chapter 9



<http://jameshalderman.com>

ACROSS

- 1 Most rear-wheel-drive cars and light trucks use a one- or two-piece driveshaft. A steel tube driveshaft has a maximum length of about 65 inches (165 cm). Beyond this critical length, a _____ bearing must be used.
- 3 _____ is the term used by the Society of Automotive Engineers (SAE) to describe the shaft between the transmission and the rear axle assembly on a rear-wheel-drive vehicle.
- 5 The _____ joint transfers torque through six round balls that are held in position midway between the two shafts.
- 11 A simple universal joint can be made from two Y-shaped yokes connected by a crossmember called a cross or _____.
- 14 Most U-joints are called cross-yoke joints or _____.

DOWN

- 2 _____ are used at both ends of a drive-shaft.
- 4 The four arms of the cross are called _____.
- 6 If two Cardan-style U-joints are joined together, the angle at which this _____-_____ joint can function is about 18 to 20 degrees.
- 7 CV joints are also called _____.
- 8 The pliable boot surrounding the CV joint, or _____, must be able to remain flexible under all weather conditions and still be strong enough to avoid being punctured by road debris.
- 9 General Motors and some other manufacturers use the term _____ shaft or prop shaft to describe this same part.
- 10 Outer CV joints are called _____.
- 12 Unequal-length _____ shafts (also called half shafts) result in unequal drive axle shaft angles to the front drive wheels.
- 13 Unequal-length drive axle shafts (also called _____) result in unequal drive axle shaft angles to the front drive wheels.