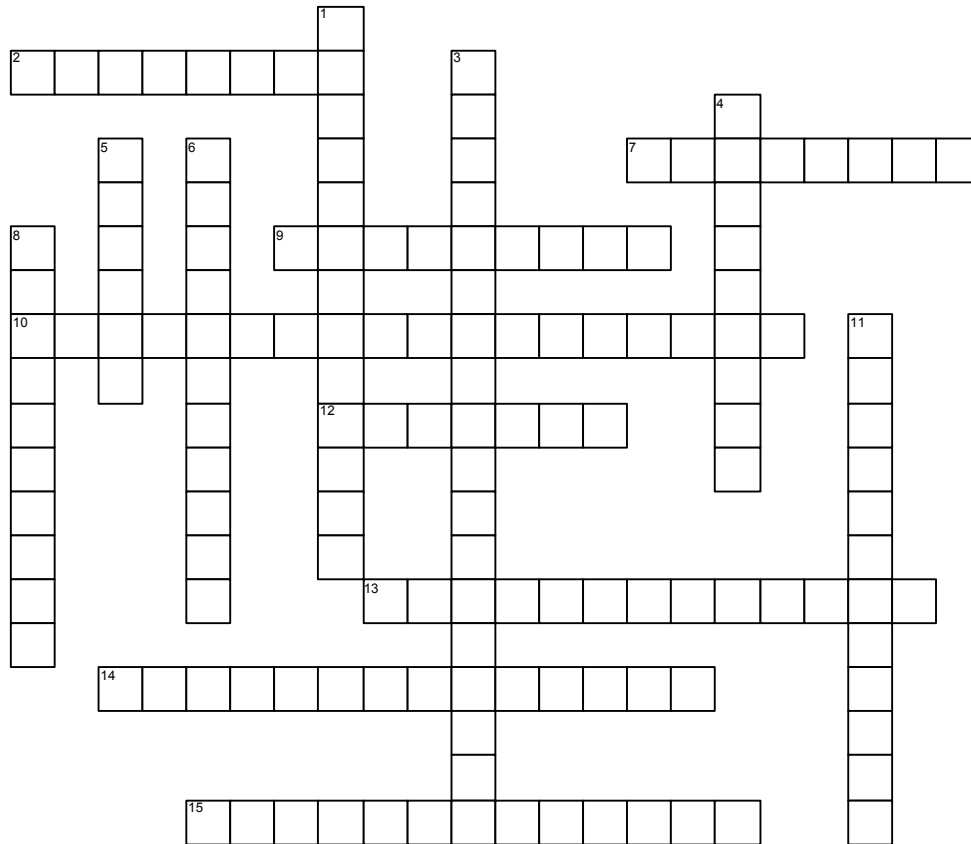


Suspension and Steering Systems

Chapter 37



<http://jameshaldeman.com>

ACROSS

- 2 All steering gears consist of an input gear usually called a _____.
- 7 _____ construction is a design that combines the body with the structure of the frame.
- 9 Some steering columns are designed to _____, which means that the top of the steering shaft and jacket can be pulled out toward the driver or pushed in toward the dashboard.
- 10 Federal law requires that all vehicles sold in the US have _____.
- 12 A parallelogram-type linkage uses four _____, two inner and two outer.
- 13 The _____ steering gear is widely used because it is light in weight and takes less space than a conventional steering gear.
- 14 A _____ consists of two yokes with a steel crosspiece joining them together.
- 15 The _____ extends from the steering wheel to the steering gear.

DOWN

- 1 It is important that all joints be lubricated with chassis grease through a _____.
- 3 In a typical _____, the steering shaft has a short section at the top joined to the rest of the steering shaft either by a U-joint or gears.
- 4 As the steering wheel is turned, the movement is transmitted through the steering gear to the _____ attached to the bottom end of the pitman shaft.
- 5 Another name for a stub-type frame is a _____.
- 6 The worm gear is connected to the steering wheel and the sector gear is connected to the _____ which is part of the steering linkage.
- 8 All steering gears consist of an output gear usually called a _____.
- 11 The two main links in a _____ suspension are the upper control arm and the lower control arm.