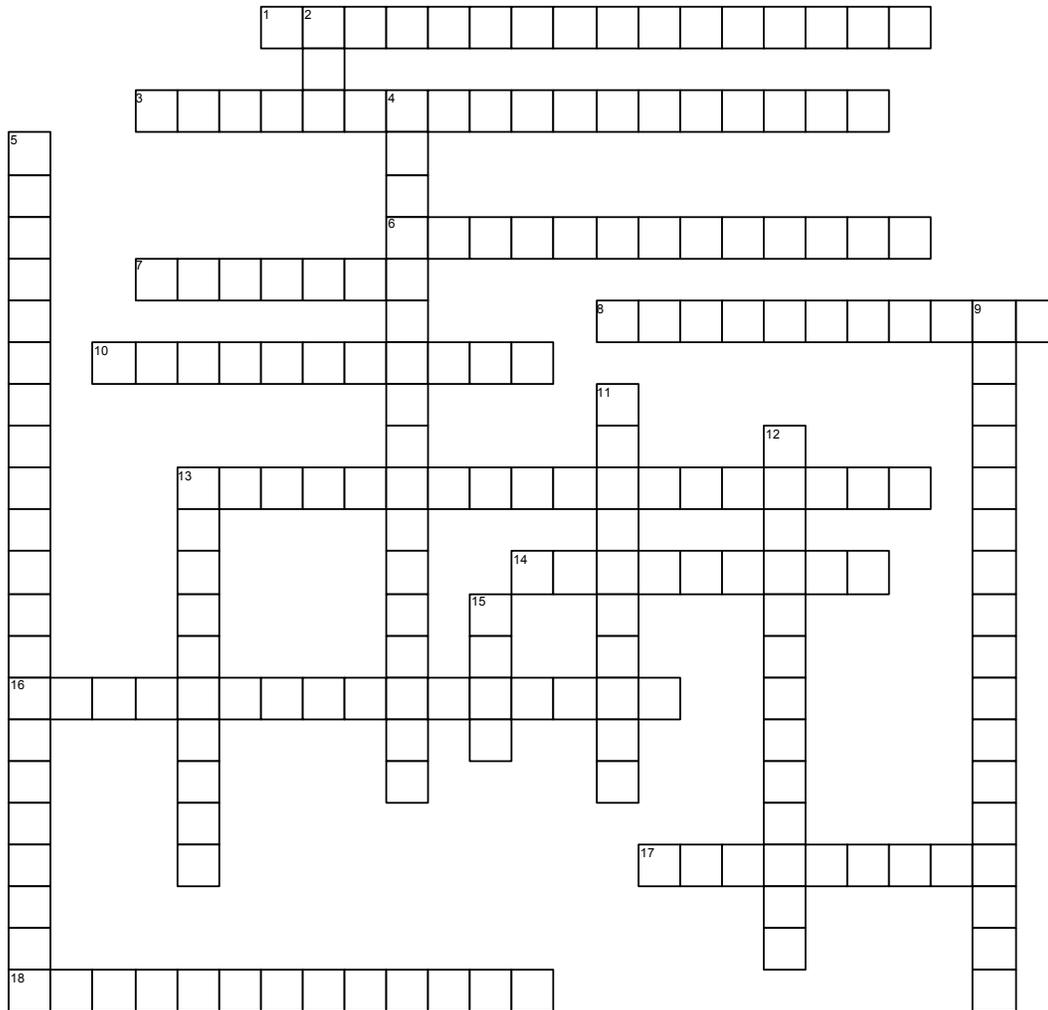


# Steering Linkage Service

## Chapter 50



<http://jameshaldeman.com>

### ACROSS

- 1 The \_\_\_\_\_ is performed by disconnecting the outer tie rod end and measuring the effort required to move the tie rod in the socket.
  - 3 Another name for the inner tie rod end is the \_\_\_\_\_.
  - 6 \_\_\_\_\_ are the projections or built-up areas on the control arms of the front suspension designed to limit the steering movement at full lock.
  - 7 A parallelogram-type linkage uses four \_\_\_\_\_, two inner and two outer.
  - 8 One of the most effective, yet easy to perform, steering component inspection methods is called the \_\_\_\_\_.
  - 10 A \_\_\_\_\_ is another name for a grease fitting.
  - 13 \_\_\_\_\_-\_\_\_\_\_ use bolts to secure the inner tie rods to the rack.
- ### DOWN
- 2 An \_\_\_\_\_ is a tie rod end that requires no lubrication.
  - 4 One type of steering linkage often used on light trucks and vans is the \_\_\_\_\_-\_\_\_\_\_.
  - 5 \_\_\_\_\_ is when the front wheels and rear wheels are steered in the opposite direction.
  - 9 \_\_\_\_\_ means that the front and rear wheels are steered in the same direction.
  - 11 \_\_\_\_\_ is the term used to describe a vehicle that has the steering gear in front of the front wheel centerline.
  - 12 Most conventional steering gear linkages use the \_\_\_\_\_-type design.
  - 13 A \_\_\_\_\_ is located between the tie rods on a parallelogram-type steering linkage.
  - 15 The \_\_\_\_\_ provides one analog signal and three digital signals.