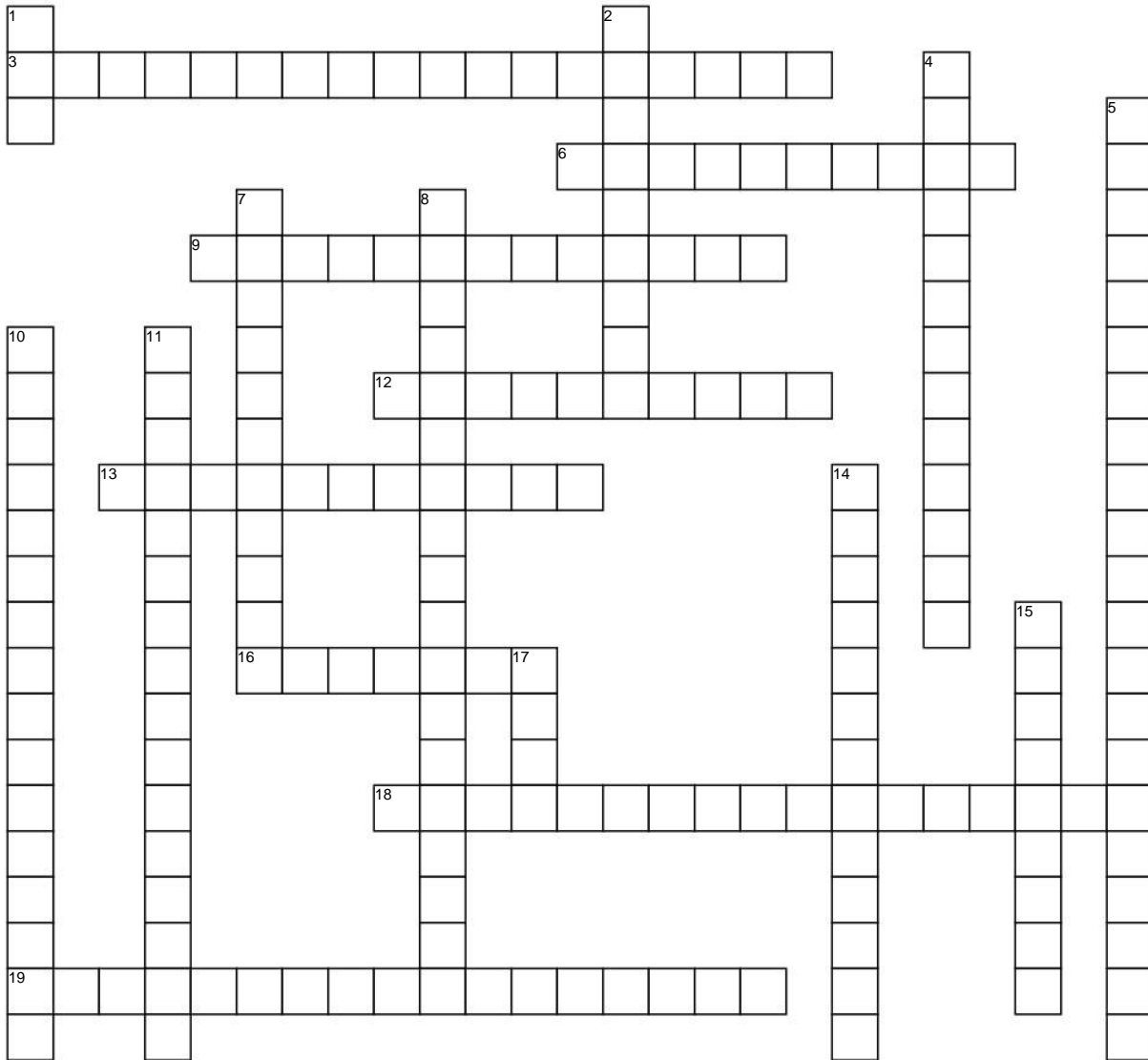


# Steering Linkage And Service

## Chapter 29



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### ACROSS

- 3 Another name for the inner tie rod end is the \_\_\_\_\_.
- 6 \_\_\_\_\_ is the term used to describe a vehicle that has the steering gear in front of the front wheel centerline.
- 9 It is important that all joints be lubricated with chassis grease through a \_\_\_\_\_.
- 12 A \_\_\_\_\_ is located between the tie rods on a parallelogram-type steering linkage.
- 13 A \_\_\_\_\_ is another name for a grease fitting.
- 16 A parallelogram-type linkage uses four \_\_\_\_\_, two inner and two outer.
- 18 One type of steering linkage often used on light trucks and vans is the \_\_\_\_\_-\_\_\_\_\_.
- 19 \_\_\_\_\_-\_\_\_\_\_ means that the front and rear wheels are steered in the same direction.

### DOWN

- 1 An \_\_\_\_\_ is a tie rod end that requires no lubrication.
- 2 If the steering gear linkage is located behind the wheels, it is called \_\_\_\_\_.
- 4 \_\_\_\_\_ are the projections or built-up areas on the control arms of the front suspension designed to limit the steering movement at full lock.
- 5 \_\_\_\_\_ is when the front wheels and rear wheels are steered in the opposite direction.
- 7 One of the most effective, yet easy to perform, steering component inspection methods is called the \_\_\_\_\_.
- 8 \_\_\_\_\_-\_\_\_\_\_ use bolts to secure the inner tie rods to the rack.
- 10 The \_\_\_\_\_ is performed by disconnecting the outer tie rod end and measuring the effort required to move the tie rod in the socket.
- 11 A \_\_\_\_\_ is similar to a shock absorber, and it absorbs and dampens sudden motions in the steering linkage.
- 14 Most conventional steering gear linkages use the \_\_\_\_\_-type design.
- 15 A \_\_\_\_\_ attaches to the steering gear output shaft on a parallelogram-type steering linkage.
- 17 The \_\_\_\_\_ provides one analog signal and three digital signals.