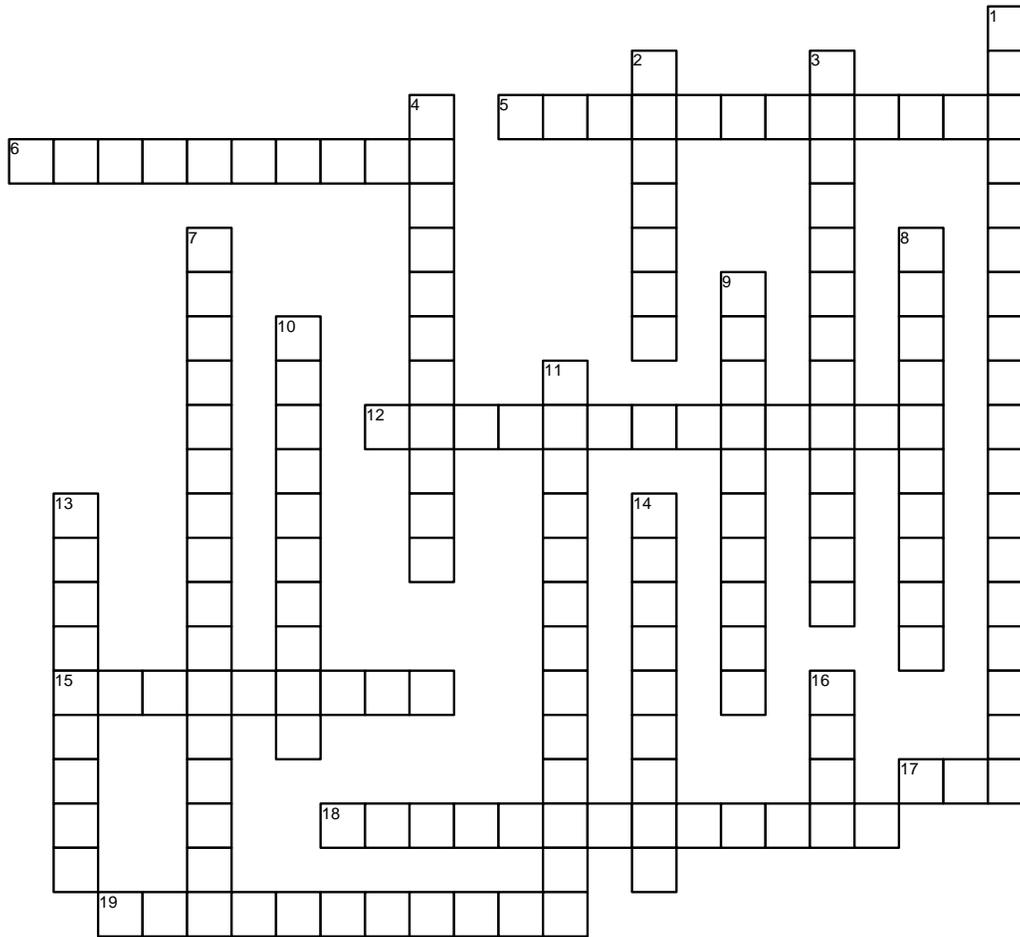


Steering Linkage And Service

Chapter 13



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ACROSS

- 5 The _____ test is performed by disconnecting the outer tie rod end and measuring the effort required to move the tie rod in the socket.
- 6 _____ is the term used to describe a vehicle that has the steering gear in front of the front wheel centerline.
- 12 _____ are the projections or built-up areas on the control arms of the front suspension designed to limit the steering movement at full lock.
- 15 A _____ attaches to the steering gear output shaft on a parallelogram-type steering linkage.
- 17 An _____ is a tie rod end that requires no lubrication.
- 18 _____ steering is when

the front wheels and rear wheels are steered in the opposite direction.

- 19 A _____ is another name for a grease fitting.

DOWN

- 1 _____ use bolts to secure the inner tie rods to the rack.
- 2 A parallelogram-type linkage uses four _____, two inner and two outer.
- 3 Most conventional steering gear linkages use the _____-type design.
- 4 One of the most effective, yet easy to perform, steering component inspection methods is called the _____.
- 7 A _____ is similar to

a shock absorber, and it absorbs and dampens sudden motions in the steering linkage.

- 8 Another name for the inner tie rod end is the _____ assembly.
- 9 One type of steering linkage of ten used on light trucks and vans is the _____-_____ linkage.
- 10 A _____ is located between the tie rods on a parallelogram-type steering linkage.
- 11 It is important that all joints be lubricated with chassis grease through a _____.
- 13 _____ steering means that the front and rear wheels are steered in the same direction.
- 14 If the steering gear linkage is located behind the wheels, it is called _____.
- 16 The _____ provides one analog signal and three digital signals.