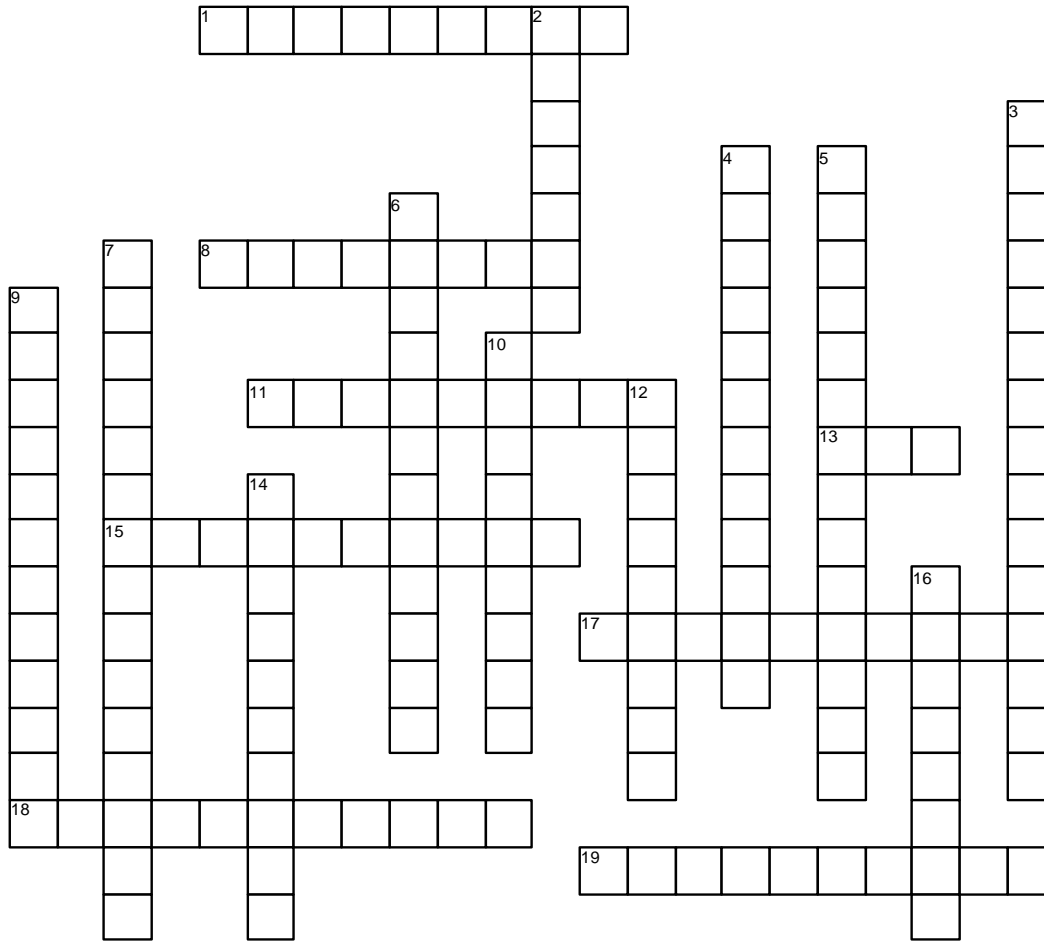


# Rear Suspension And Service

## Chapter 27



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### ACROSS

- 1 The main benefit of an SLA suspension is that it reduces \_\_\_\_\_ and improves traction.
- 8 If engine torque is applied to the rear axle to drive the vehicle the axle is referred to as a \_\_\_\_\_.
- 11 \_\_\_\_\_ can be used to level the vehicle while towing a trailer or when heavily loaded.
- 13 The use of \_\_\_\_\_ has grown dramatically over the past several decades to the point where such systems are now fairly common.
- 15 \_\_\_\_\_ is a product of the law of physics, which states that every action produces an equal and opposite reaction.
- 17 Another name for a track rod is a \_\_\_\_\_.
- 18 A \_\_\_\_\_ extends from a frame crossmember located ahead of the rear axle back to the axle housing or a wheel knuckle.
- 19 Rear suspension service starts with a thorough test-drive, to observe any unusual noises or \_\_\_\_\_ that may be caused by a fault with a rear suspension component.

### DOWN

- 2 On a front-wheel-drive vehicle, a solid axle is usually a

simple, \_\_\_\_\_ or tubular beam that may contain a torsion bar, rod, or tube to allow some twisting action.

- 3 A \_\_\_\_\_ suspension is used only at a nondriven rear axle.
- 4 The \_\_\_\_\_ of the frame and body must be heavy to oppose the unsprung weight of a solid axle, especially on a driven axle.
- 5 Most rear-wheel-drive trucks use a solid rear axle with leaf springs in an arrangement called a \_\_\_\_\_.
- 6 The Ford axle centering pivot bracket and linkage is called a \_\_\_\_\_.
- 7 A \_\_\_\_\_ is similar to a trailing arm in that it extends back from a frame member to the axle.
- 9 A rear strut system is often referred to as a \_\_\_\_\_ suspension by European manufacturers and engineers.
- 10 On a few models, especially those with a high-performance suspension, a \_\_\_\_\_ provides additional resistance to axle windup.
- 12 A \_\_\_\_\_ can be used at the rear of either a rear-wheel-drive or front-wheel-drive vehicle.
- 14 A \_\_\_\_\_ suspension is a simple system because it does not require control arms to brace the position the axle.
- 16 A trailing arm rear suspension on a nondriven solid axle virtually always includes a \_\_\_\_\_.

