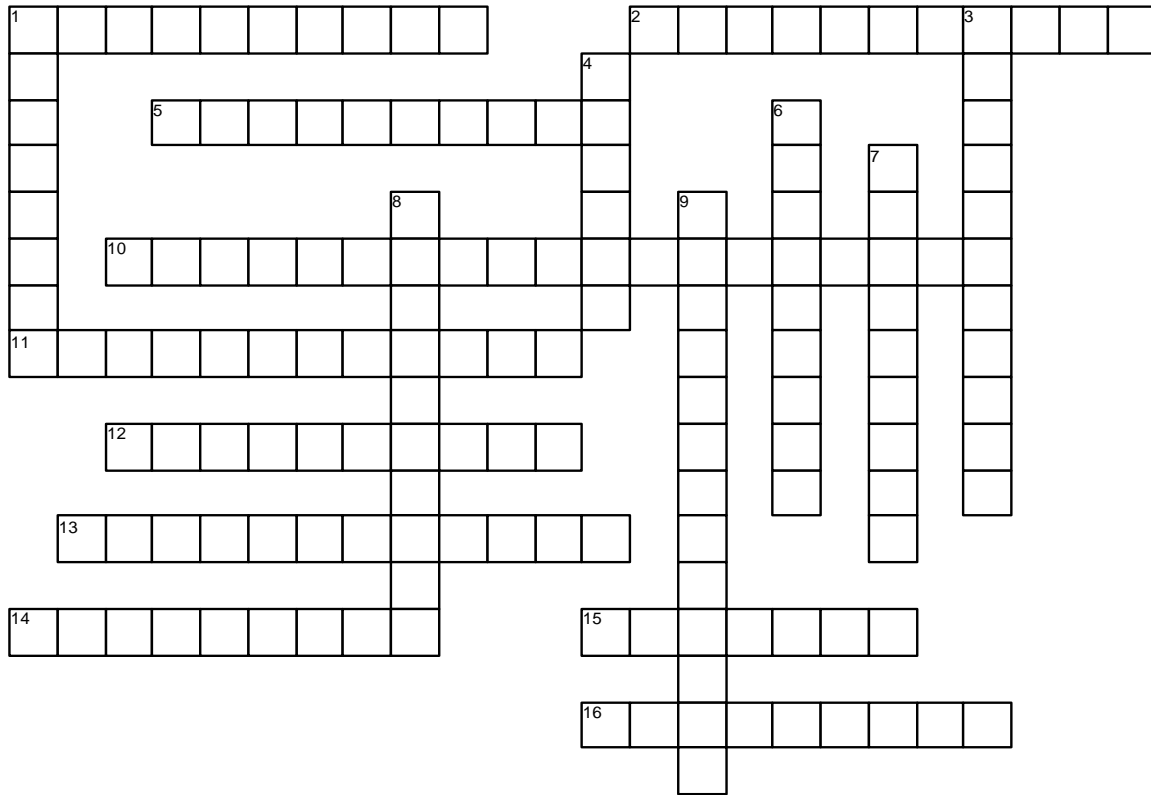


Alignment Diagnosis And Service

Chapter 36



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ACROSS

- 1 A _____ alignment uses the thrust angle of the rear wheels and sets the front wheels parallel to the thrust line.
- 2 _____ is a term used to describe the lead or pull of a vehicle caused by faults in the steering or suspension system.
- 5 The _____ is another term used to describe steering wheel position.
- 10 Many vehicles with IRS use a type of alignment that uses the _____ of the vehicle as a basis for all measurements of toe.
- 11 Rear toe is often adjusted using an adjustable tie rod end or an _____ on the lower control arm.
- 12 One excessively worn tire could cause unequal _____.
- 13 Before checking or adjusting the front-end alignment, a _____ check should be performed.
- 14 A _____ alignment rule includes a check of the steering wheel.
- 15 Specifications are often published in fractional or decimal degrees, or in degrees and _____.
- 16 A measurable amount of alignment change can be made with a _____ adjustment.

DOWN

- 1 The combined toe angle for both wheels is called _____.
- 3 _____ occurs in front-wheel-drive vehicles when engine torque causes a front wheel to change its angle from straight ahead.
- 4 There are 60 minutes in 1 _____.
- 6 A _____ alignment is the most accurate alignment method and is necessary to ensure maximum tire wear and vehicle handling.
- 7 Many manufacturers include a _____ in the service manual that gives the thickness and location of the shim changes based on the the alignment reading.
- 8 Specifications are often published in _____ or decimal degrees.
- 9 The _____ sensor is usually located at the base of the steering column inside the vehicle and monitors the driver's steering input from straight ahead.