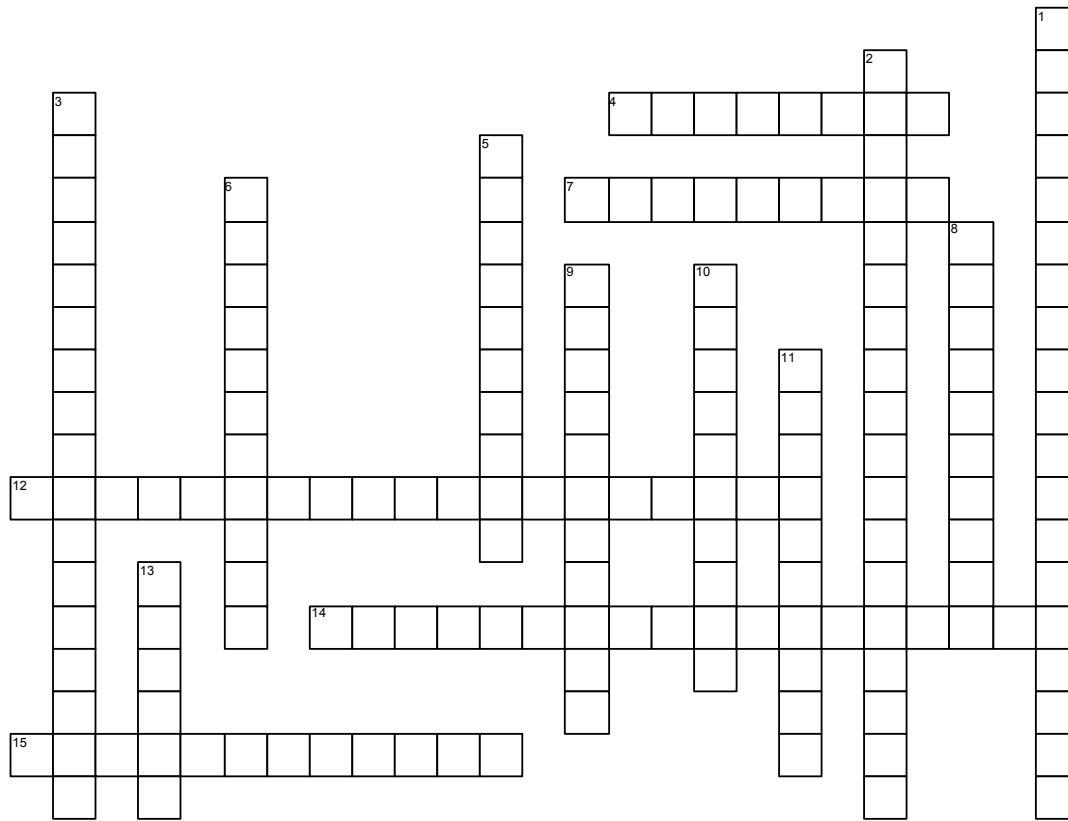


# Alignment Diagnosis And Service

## Chapter 120



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### ACROSS

- 4 The combined toe angle for both wheels is called \_\_\_\_\_.
- 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.
- 12 Many vehicles with IRS use a type of alignment that uses the \_\_\_\_\_ of the vehicle as a basis for all measurements of toe.
- 14 A \_\_\_\_\_ rule includes a check of the steering wheel.
- 15 Rear toe is often adjusted using an adjustable tie rod end or an \_\_\_\_\_ on the lower control arm.

### DOWN

- 1 A measurable amount of alignment change can be made with a \_\_\_\_\_.
- 2 A \_\_\_\_\_ is the most accurate alignment method and is necessary to ensure maximum tire wear and vehicle handling.
- 3 Before checking or adjusting the front-end alignment, a \_\_\_\_\_ should be performed.
- 5 A \_\_\_\_\_ alignment uses the thrust angle of the rear wheels and sets the front wheels parallel to the thrust line.
- 6 \_\_\_\_\_ is a term used to describe the lead or pull of a vehicle caused by faults in the steering or suspension system.
- 8 The \_\_\_\_\_ is another term used to describe steering wheel position.
- 9 \_\_\_\_\_ occurs in front-wheel-drive vehicles when engine torque causes a front wheel to change its angle from straight ahead.
- 10 Specifications are often published in \_\_\_\_\_ or decimal degrees.
- 11 One excessively worn tire could cause unequal \_\_\_\_\_.
- 13 There are 60 minutes in 1 \_\_\_\_\_.