Alignment Diagnosis And Service
Chapter 19

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 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 _______.

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