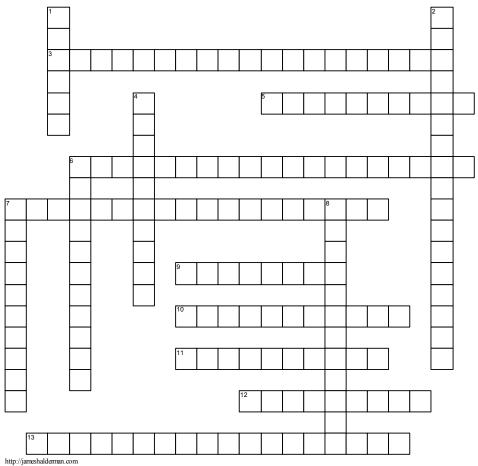
Wheel Alignment

Chapter 52



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ACROSS

3 Many vehicles with IRS use a type of alignment that uses the of the vehicle as a basis for all measurements of toe. is another term used to describe steering wheel position. 6 A measurable amount of alignment change can be made with ____is the most accurate alignment method and is necessary to ensure maximum tire wear and vehide handling. 9 The combined toe angle for both wheels is called _ _____is a term used to describe the lead or pull of a vehicle caused by faults in the steering or suspension system. 11 A _____ alignment uses the thrust angle of the rear wheels and sets the front wheels parallel to the thrust line. 12 Many manufacturers include a _____ in the service manual that gives the thickness and location of the shim changes based on the the alignment reading. ____ rule includes a check of the steering wheel.

DOWN

	There are 60 minutes in 1
2	Before checking or adjusting the front-end alignment, a
	should be performed.
4	One excessively worn tire could cause unequal
6	occurs in front-wheel-drive vehicles when
	engine torque causes a front wheel to change its angle from
	straight ahead.
7	Specifications are often published in or decimal
•	degrees.
Q	Rear toe is often adjusted using an adjustable tie rod end or
U	an on the lower control arm.
	allOffice lower condition airri.