Front Suspension And Service
Chapter 25

ACROSS

1 At the end of many solid I-beam or tube axles are ________ that allow the front wheels to rotate for steering.
4 A ________ can also be used to help locate worn or defective suspension components.
7 A ________ ________ uses two control arms as well as a structural strut assembly.
9 Another name for an SLA suspension is the _-__ suspension.
10 To control longitudinal support, a ________ is attached to each beam and is anchored to the frame of the truck using rubber bushings.
13 The two main links in a ___ suspension are the upper control arm and the lower control arm.
15 Early versions of the twin I-beam systems used kingpins, while later models used ball joints to support the ________ and spindle.

DOWN

2 Many load-carrying ball joints have wear indicators with a raised area around the grease fitting, called ________ ________.
3 ________ can be of several types, including a MacPherson.
5 Defective shock absorbers can cause ________ ________.
6 A ________ front suspension is very strong and is still being used in the manufacture of medium and heavy trucks.
8 A ___ -___ front suspension was used for over 30 years on Ford pickup trucks and vans.
11 Some replacement control arm bushings have a higher ________ rating than the original.
12 Many GM front-wheel-drive vehicles use a MacPherson strut with a large-diameter spring seat area, this is called a ___ ________.
14 Some ball joint studs have a slot or groove where a ________ is used to hold the ball joint to the steering knuckle.