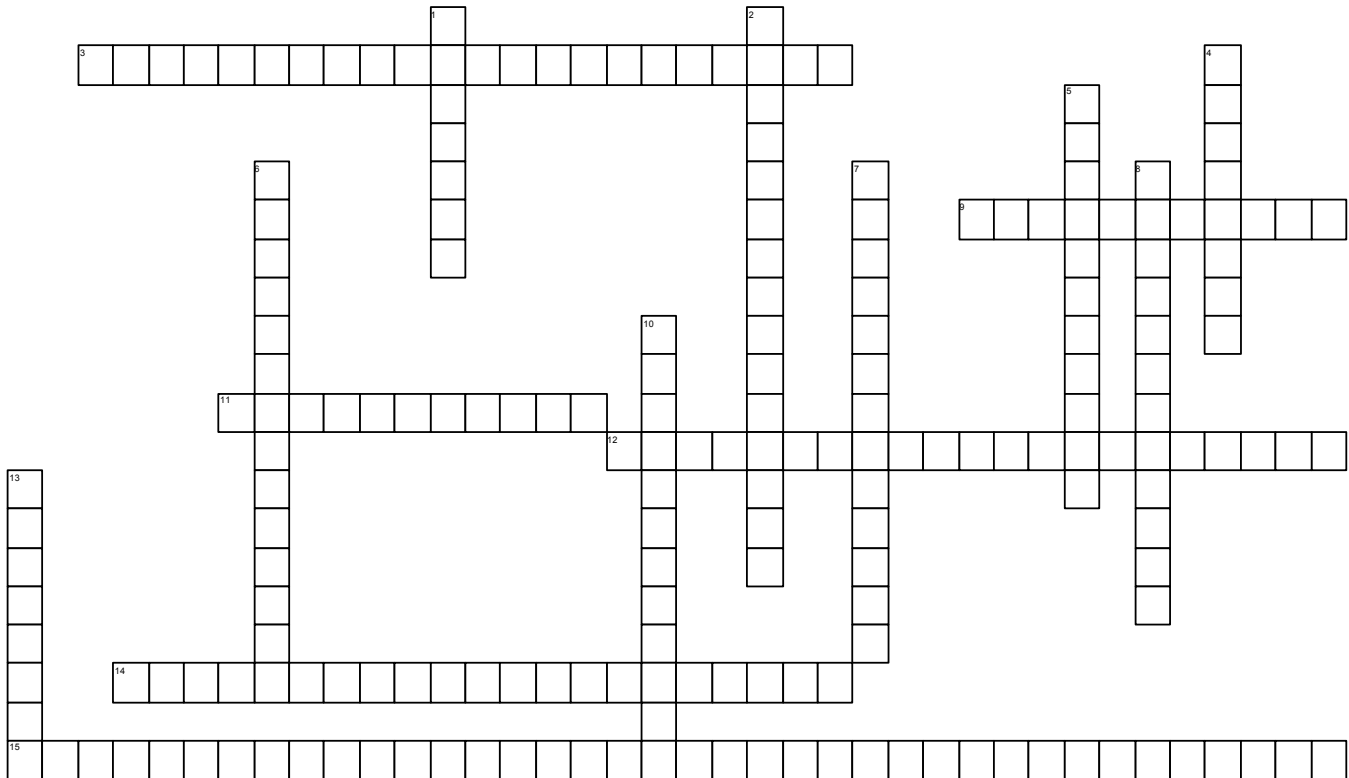


Four-Wheel Drive and All-Wheel Drive

Chapter 67



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ACROSS

- 3 _____ can only be driven in four-wheel drive on slippery surfaces.
- 9 Another name for the ring gear is the _____.
- 11 Power is applied to the front wheels through the drive axles to the _____.
- 12 The _____ uses two bevel gears or spider gears attached to the output shaft of the transmission.
- 14 An _____ is used to prevent driveline harshness and vibration, commonly referred to as driveline windup.
- 15 An _____ is actuated by the vehicle's computer based on inputs from the ABS wheel speed sensors.

5 The drive member of a planetary gear set is called the _____.

6 The held member of a planetary gear set is called the _____.

7 The planet pinion gears rotate around the sun gear, like the planets around the sun, and are attached by a _____.

8 The driven member of a planetary gear set is called the _____.

10 The _____ is another name for the ring gear.

13 A _____ may be selected to deliver high torque at low speeds to the drive wheels.

DOWN

- 1 The _____ is in the center of a planetary gear set.
- 2 A _____ is commonly used on many four-wheel-drive vehicles to provide an "automatic" lockup of the center differential.
- 4 The outer _____ has teeth on the inside that mesh with the teeth of the planet pinion gears.