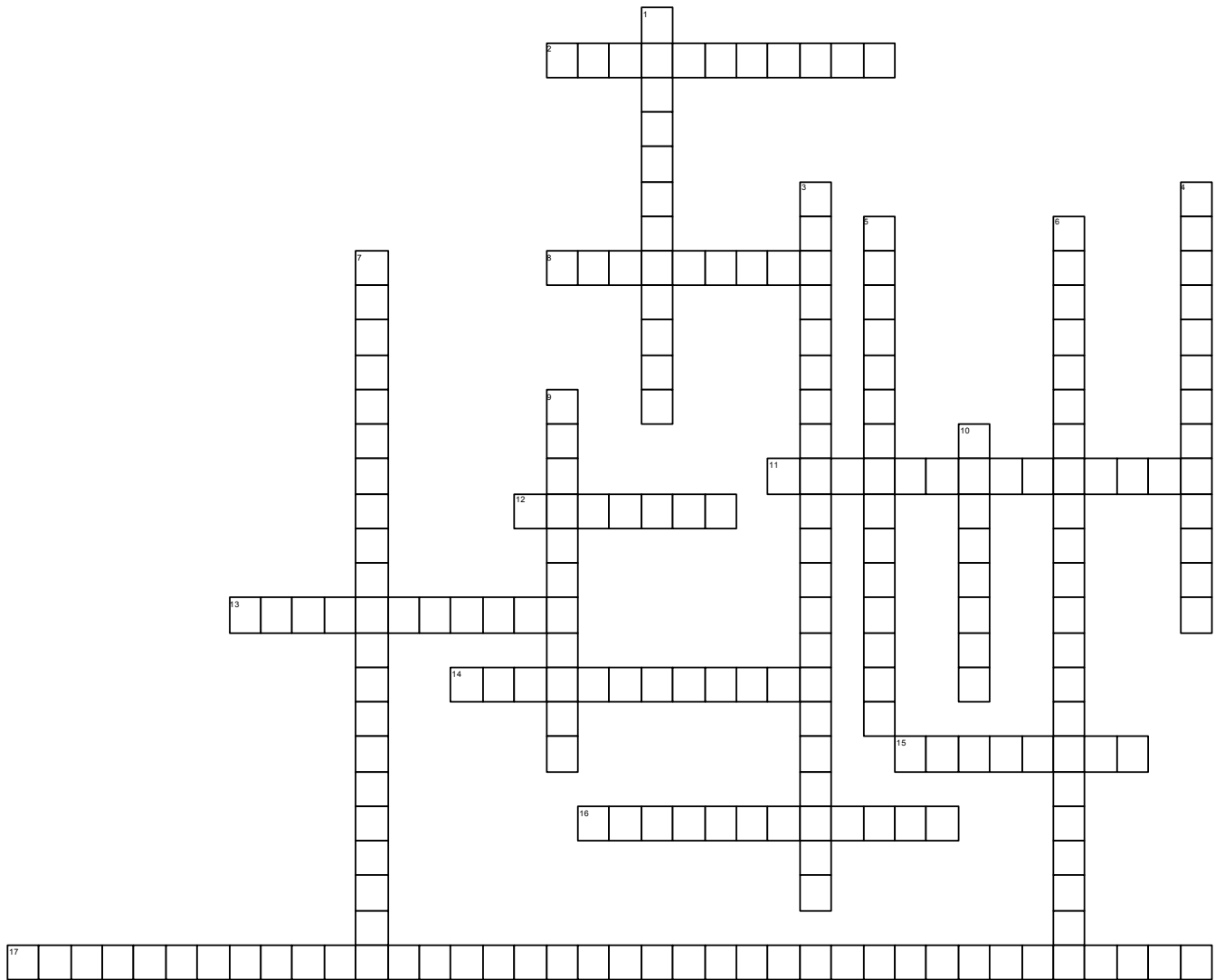


# Four-Wheel Drive And All-Wheel Drive

## Chapter 126



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### ACROSS

- 2 The drive member of a planetary gear set is called the \_\_\_\_\_.
- 8 The \_\_\_\_\_ is achieved by the use of a floor-mounted lever to engage and disengage a clutch inside the transfer case.
- 11 The held member of a planetary gear set is called the \_\_\_\_\_.
- 12 The \_\_\_\_\_ is in the center like the position of the sun in our solar system.
- 13 Power is applied to the front wheels through the drive axles to the \_\_\_\_\_.
- 14 Another name for the ring gear is the \_\_\_\_\_.
- 15 The outer \_\_\_\_\_ has teeth on the inside that mesh with the teeth of the planet pinion gears.

- 16 The \_\_\_\_\_ gears rotate around the sun gear.
- 17 An \_\_\_\_\_ is actuated by the vehicle's computer based on inputs from the ABS wheel speed sensors.

### DOWN

- 1 The driven member of a planetary gear set is called the \_\_\_\_\_.
- 3 All-wheel-drive systems use an \_\_\_\_\_ to prevent driveline harshness and vibration.
- 4 The \_\_\_\_\_ attaches the sun gear to the planet pinion gears.
- 5 A \_\_\_\_\_ is commonly used on many four-wheel-drive vehicles to provide an "automatic" lockup of the center differential.

- 6 \_\_\_\_\_ can only be driven in four-wheel drive on slippery surfaces.
- 7 The \_\_\_\_\_ uses two bevel gears or spider gears attached to the output shaft of the transmission.
- 9 Another name for the ring gear is the \_\_\_\_\_.
- 10 A \_\_\_\_\_ may be selected to deliver high torque at low speeds to the drive wheels.