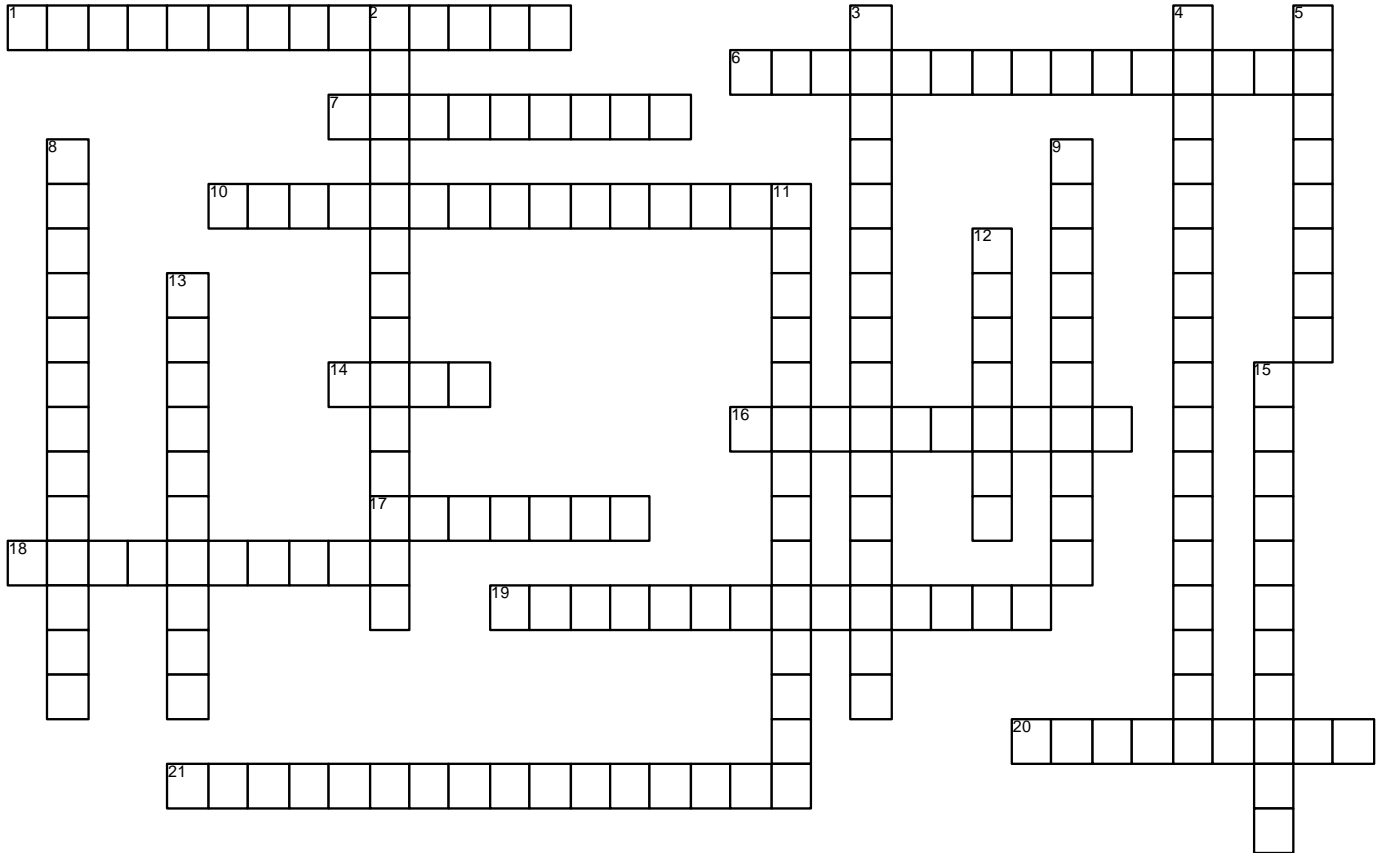


# Disc Brakes

## Chapter 105



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### ACROSS

- 1 \_\_\_\_\_ is not a problem with disc brakes because, unlike a brake drum, the disc brake rotor expands toward the brake linings as it heats up rather than away from them.
- 6 The body of a \_\_\_\_\_ does not make direct metal-to-metal contact with the anchor plate.
- 7 \_\_\_\_\_ is the amount of brake drum or rotor friction surface that moves past the brake linings every time the drum or rotor completes a rotation.
- 10 Most calipers have \_\_\_\_\_ or springs that hold the pads in the caliper under tension to help prevent vibration.
- 14 Instead of pins and bushings, sliding calipers move on \_\_\_\_\_ cast and machined into the caliper body and anchor plate.
- 16 Another name for mold-bonded linings is \_\_\_\_\_ molded.
- 17 Although not required by law, a growing number of vehicle manufacturers are fitting \_\_\_\_\_ indicators to their

brakes for safety reasons.

- 18 \_\_\_\_\_ can and does occur if the brakes become overheated.
- 19 \_\_\_\_\_ take advantage of the oldest method of lining attachment still in use.
- 20 \_\_\_\_\_ is not a big problem with disc brakes because centrifugal force created by the spinning rotor throws off most moisture, and the brake pads positioned only a few thousandths of an inch away from the rotor continuously wipe it clean.
- 21 Some automakers call the floating caliper a \_\_\_\_\_.

### DOWN

- 2 A \_\_\_\_\_ differs from a standard caliper in the area of the square-cut O-ring.
- 3 The bond lowers the \_\_\_\_\_ of the pad, and the cushion layer dampens any vibration that may still occur.
- 4 The \_\_\_\_\_ has a body manufactured in two halves, and uses

two, four, or six pistons to apply the brake pads.

- 5 The lining of a disc brake is part of an assembly called the \_\_\_\_\_.
- 8 \_\_\_\_\_ use high-temperature adhesive to glue the brake block directly to the shoe pad backing plate.
- 9 A large press is used to force the ingredients together to form a \_\_\_\_\_, which eventually becomes the brake lining.
- 11 Unlike a floating caliper, the body of a \_\_\_\_\_ mounts in direct metal-to-metal contact with the anchor plate.
- 12 \_\_\_\_\_ is a problem only under severe braking conditions when hot gases and dust particles from the linings are trapped between the brake linings and rotor, where they act as lubricants.
- 13 \_\_\_\_\_ linings are found on some disc brake pads.
- 15 The caliper is free to move within a limited range on an \_\_\_\_\_ that is solidly mounted to the vehicle suspension.