Disc Brakes
Chapter 101

ACROSS

1. The lining of a disc brake is part of an assembly called the __________.
3. __________ 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.
5. The caliper is free to move within a limited range on an __________ that is solidly mounted to the vehicle suspension.
6. Although not required by law, a growing number of vehicle manufacturers are fitting __________ to their brakes for safety reasons.
9. Unlike a floating caliper, the body of a __________ mounts in direct metal-to-metal contact with the anchor plate.
11. __________ are found on some disc brake pads.
13. The body of a __________ differs from a standard caliper in the area of the square-cut O-ring.
18. __________ 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.
20. __________ can and does occur if the brakes become overheated.
21. __________ has a body manufactured in two halves, and uses two, four, or six pistons to apply the brake pads.
22. Carbon fiber material is often called __________.
23. Synthetic linings use __________ instead of metal as the base material.

DOWN

2. Most calipers have __________ or springs that hold the pads in the caliper under tension to help prevent vibration.
4. Brake pads and linings that use synthetic material such as aramid fibers instead of steel are usually referred to as __________.
6. Some automakers call the floating caliper a ____________.____________.
7. A __________ differs from a standard caliper in the area of the square-cut O-ring.
8. The ____________ has a body manufactured in two halves, and uses two, four, or six pistons to apply the brake pads.
10. Carbon fiber material is often called __________.
12. __________ can and does occur if the brakes become overheated.
16. __________ use high-temperature adhesive to glue the brake block directly to the shoe pad backing plate.
17. Synthetic linings use __________ instead of metal as the base material.
19. __________ is the Dupont brand name of aramid and a registered trademark of E.I. DuPont de Nemours and Company.