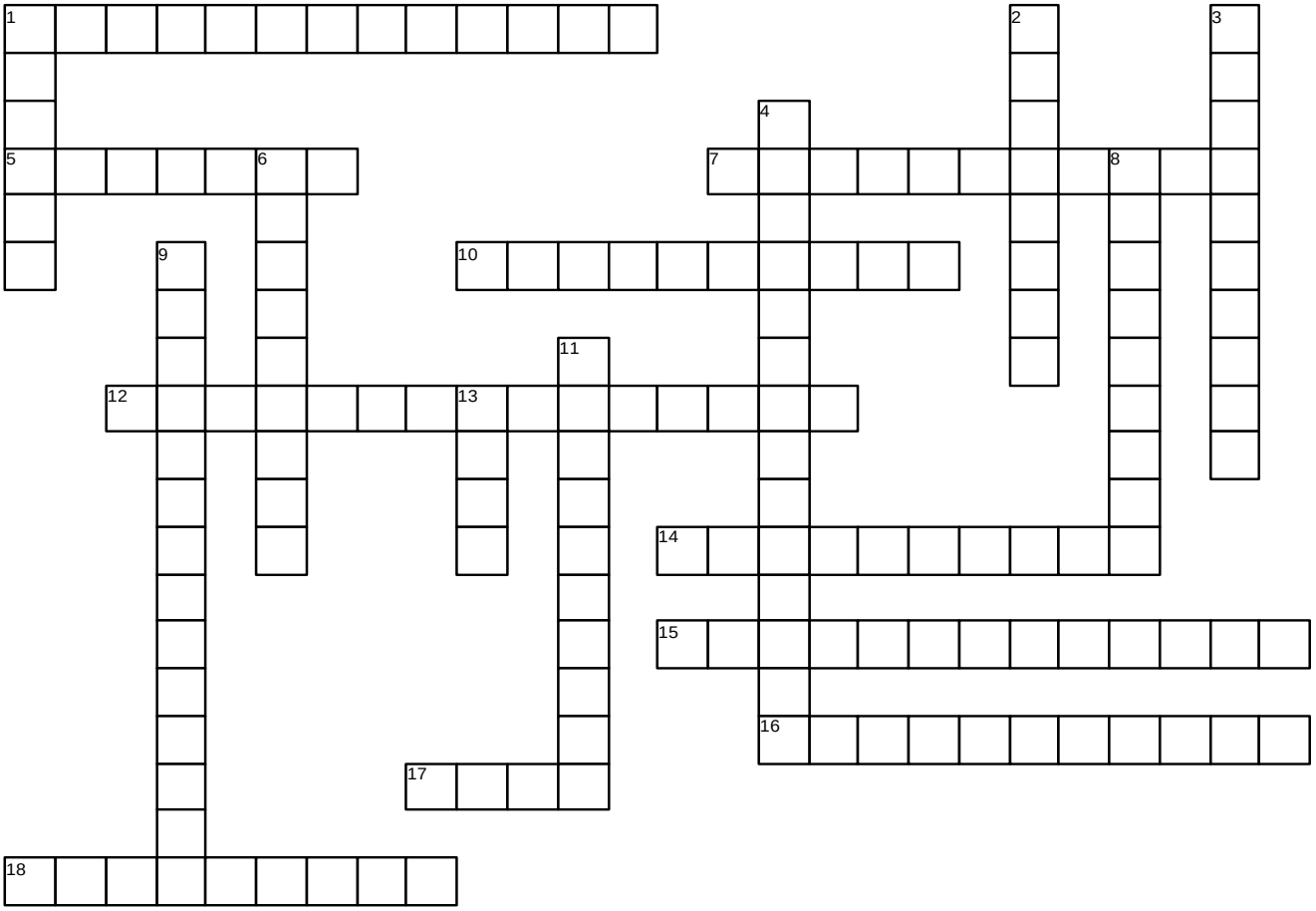
Drum Brakes

Chapter 98



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ACROSS

1 The lip fits into a machined groove in the open edge of the brake drum to provide an even better water barrier or seal, this type of seal is called a _____ ____.

5 ___ ____ occurs under extended hard braking from high speeds, a thin layer of hot gases and dust particles can build up between the brake shoe linings and drum.

7 The curved metal piece on the outer portion of the shoe is called the _____ _____.

10 The upper ends of the webs on dual-servo brake shoes have semi-circular cutouts called _____ ____.

12 The ____ _____ ____ are stamped into the backing plate and contact the edges of the brake shoes to keep the linings properly aligned with the center of the friction surface inside the brake drum.

14 _____ ____ occurs when the friction coefficient of the brake lining material drops off sharply because intense heat makes it slippery.

15 _____ _____ use high-temperature adhesive to glue the brake block directly to the shoe lining table or pad backing plate.

16 ____ _____ prevent the brake shoes from rotating with the drum when the brakes are applied.

17 On some shoes, the edge of the lining table contains small V- or U-shaped notches called ____.

18 _____ ____ occurs when moisture is trapped between the shoes and drum, where it acts as a lubricant.

DOWN

1 Shoe support pads are also called _____.

2 The lining table is also called _____.

3 A the time of purchase, a ____ _____ is added to the cost of the relined parts.

4 This play enables the assembly to absorb vibration, and the result is that _____ _____ operate more quietly than bonded linings.

6 The ____-_____ brake is the most common drum brake design.

8 _____ ____ is the loss of stopping power that occurs when excessive heat reduces the friction between the brake shoe linings and the drum.

9 _____ ____ occurs when the brake drum gets so hot it expands away from the brake linings.

11 The lining of drum brakes are attached to curved metal assemblies called _____ _____.

13 Movement of the shoe causes the cable or linkage to pull up on the adjuster ____.