

Домашнее задание для группы 3 -го курса - № 303

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Дисциплина: иностраный язык (английский)

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Прочитайте текст, выполните задания

Types of brakes

On disk brakes, the fluid from the master cylinder is forced into a caliper where it presses against a piston. The piston, in-turn, squeezes two brake pads against the disk rotor which is attached to the wheel, forcing it to slow down or stop. This process is similar to a bicycle brake where two rubber pads rub against the wheel rim creating friction.

With drum brakes, the fluid is forced into the wheel cylinder which pushes the brake shoes out so that the friction linings are pressed against the drum which is attached to the wheel, causing the wheel to stop. In either case, the friction surfaces of the pads on a disk brake system, or the shoes on a drum brake convert the forward motion of the vehicle into heat. Heat is what causes the friction surfaces (linings) of the pads and shoes to eventually wear out and require replacement.

Exercise 1. Прочитайте текст, верны ли утверждения.

1. Brake pads and a rotor are components of the drum brakes.
2. The disc rotor is attached to the wheel, forcing the wheel to slow down or stop.
3. Brake shoes and a drum are components of the disc brakes.
4. Heat causes the friction surfaces of the pads to eventually wear out.

Exercise 2. Match *a–e* with *1–5* to make up the word combinations used in the text.

- | | |
|-------------|-------------|
| a) master | 1) motion |
| b) friction | 2) shoes |
| c) forward | 3) cylinder |
| d) disc | 4) rotor |
| e) brake | 5) surface |

Exercise 3. answer the questions.

1. What parts does the drum brake consist of?
2. What is the fluid used for?
3. What is the role of the pads?
4. What happens to the brakes as the brake linings wear out?
5. How does the disk brakes mechanism work?

Exercise 4. fill in the table.

	The brake system components	The part of the brake system, attached to the wheel	The part of the brake system which causes friction
Disc brakes			
Drum brakes			