GENERAL DESCRIPTION

BR012-05

1. Care must be taken to replace each part properly as it could affect the performance of the brake system and result in a driving hazard. Replace the parts with parts of the same part number or equivalent.
2. It is very important to keep parts and the area clean when repairing the brake system.
3. If the vehicle is equipped with a mobile communication system, refer to the precaution in the IN section.

DESCRIPTION

BR013-05

The service brakes consist of a foot brake which changes rotational energy to thermal energy to stop the vehicle while it is being driven and a parking brake to keep the vehicle from moving while it is parked.

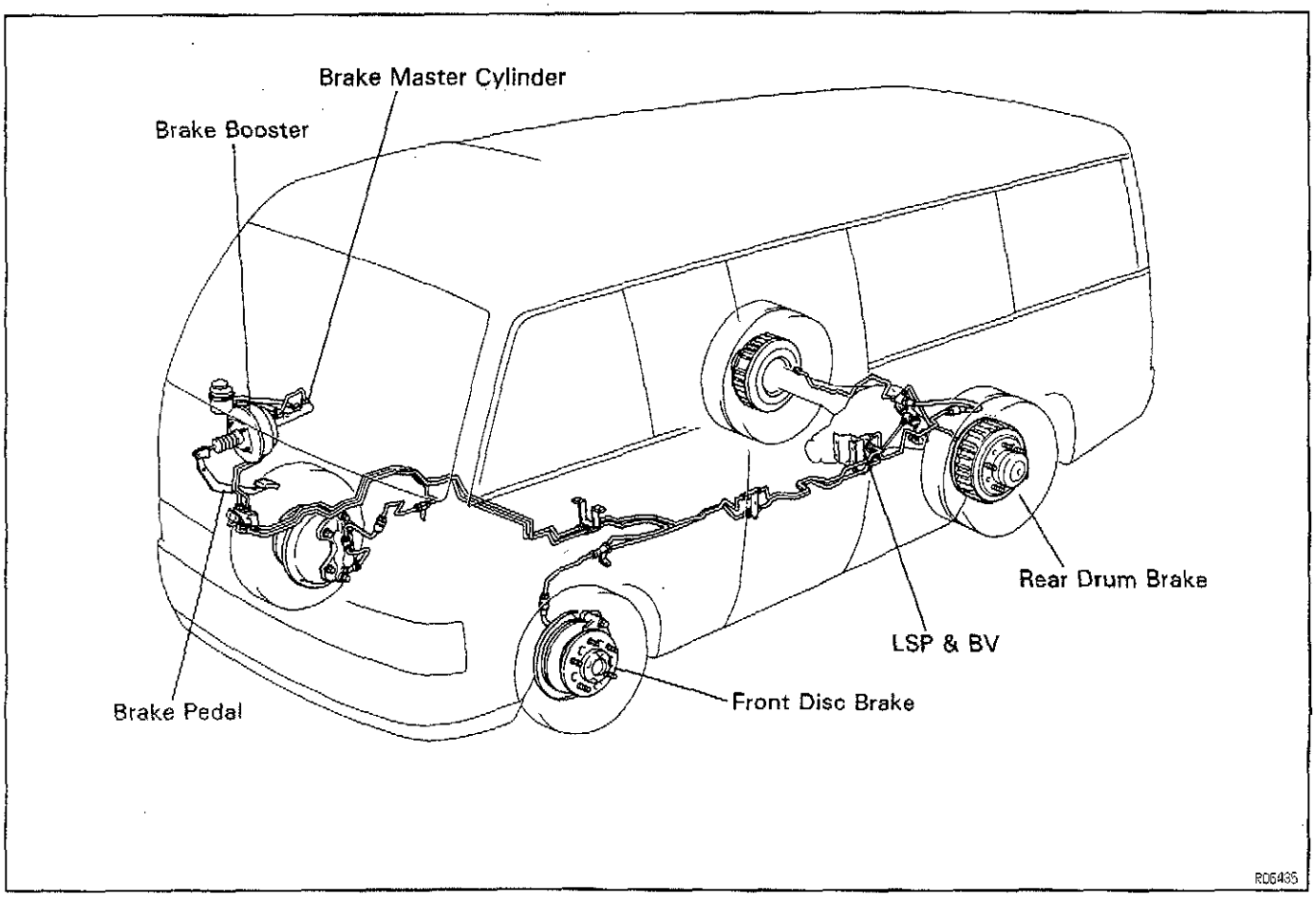
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OPERATION

BR014-09

FOOT BRAKE

When the brake pedal is depressed, a vacuum builds up in the booster which amplifies the pedal force, pressing on the piston in the master cylinder. The piston movement raises the hydraulic pressure in the cylinder. This hydraulic pressure is then applied to each respective brake cylinder and wheel cylinder, and acts to press the brake pads and shoes against the rotating discs and drum. The resulting friction converts the rotational energy to thermal energy, stopping the vehicle.



BROKB-02

PARKING BRAKE

When the parking brake lever is pulled, the parking brake shoe lever is pulled via the parking brake wire. This causes the shoe strut to push the right shoe (or left shoe), which expands and is pressed against the parking brake drum. If the parking brake lever continues to be pulled, the contact point of the parking brake shoe lever and shoe strut then becomes the fulcrum so that the parking brake shoe lever causes the parking brake shoe to expand. This results in the parking brake drum being locked by the right shoe and left shoe.

