

Electronic Braking System (EBS)



Meritor WABCO, the leader in ABS technology, presents the newest product in its vehicle control systems offering...the electronic braking system (EBS).

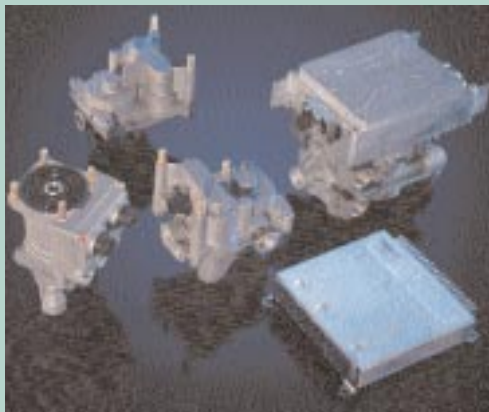
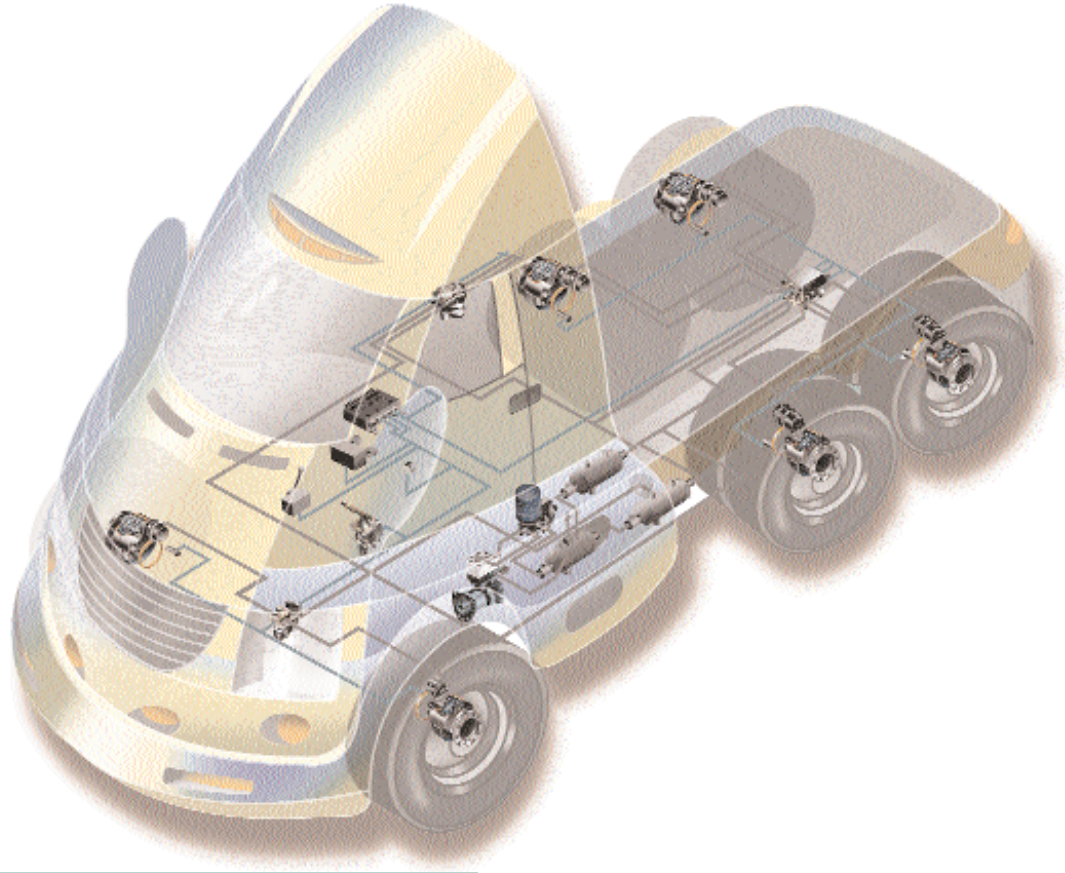
EBS, or “brake-by-wire,” integrates anti-lock braking system (ABS) technology, automatic traction control (ATC) and other key vehicle control system features to offer the next generation of braking.

EBS utilizes electronics for the control side of the vehicle’s braking system. More specifically, an electronic signal replaces the air signal sent by the brake pedal to activate the brakes, improving stopping distances and braking system performance. And, EBS will provide the platform for the advanced safety systems of the future.

Benefits of EBS

- Reduces number of brake system components and air lines
- Enhanced diagnostics of the complete braking system
- Detects brake fade and notifies the driver if wear levels become critical
- Provides more predictable braking control
- Shortened stopping distances
- Improved vehicle stability and driver control
- Brake “feel” like passenger car
- System control and diagnostics information transmitted over J1939 and J1587 data links

Complete Braking System With EBS



EBS Is the Foundation for Future Electronic Developments

- Electronic stability control (ESC) — Maintains stability and enhances performance during non-braking maneuvers, such as rapid lane change or cornering, as well as during braking situations.
- Improved brake wear through integrated control of retarders, equalization of lining wear and continuous adjustment of individual brake pressures.
- Provides capability for integrated adaptive cruise control (ACC) — a forward-looking detection system that automatically adjusts the vehicle cruise speed to create a safe following distance.

MERITOR WABCO

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