

Making it easy for you.

Electronic Stability Control & Collision Mitigation



Updated: January 2026

Attention: Service Personnel

- Service of Electronic Stability Control (ESC) and Collision Mitigation equipped buses is nearly identical to your current practices. You may continue to use the latest version of Bendix AE for diagnostic repair.
- **What special maintenance does the Bendix ESC system require?**
 - There are two areas that may require special attention. Bendix AE will provide detailed information:
 - Radar Unit and Camera – The sensor and windshield in front of the camera should be cleaned prior to departure from the bus yard to optimize performance.
 - Yaw Rate Sensor – The sensor must be cleaned at the time of routine preventative maintenance.
- **What sensors are unique to Bendix ESC equipped buses? What are they for?**
 - Brake Pressure Sensor – Measures the operator's braking demand
 - Steering Angle Sensor – Senses the operator's steering demand and direction.
 - Yaw Rate Sensor – Senses the rotation of the vehicle.
- **How will I know if there is a fault in the system?**
 - Depending on the nature of the failure, the operator may see an ABS, traction control, Malfunction Indicator Lamp (MIL), or any combination of the above. The instrument cluster may also notify the operator of a system error on 2025+ model year buses.
- **Is the Bendix system available across all brake option types?**
 - Yes, the Bendix systems are compatible with air disc and air drum braking systems.
- **Can the bus still be equipped with a grill mounted winter front cover?**
 - Yes; however, the radar must not be blocked by the winter front cover.
- **Can the Wingman Fusion camera be relocated?**
 - No, Bendix and IC Bus specify the camera location and calibrate accordingly.
- **Does this change how DOT inspections are performed?**
 - No. The Bendix systems much like the vehicle computer will recognize any faults in the system and display warning accordingly. Therefore, no testing of these systems is required at the time of DOT inspection. These systems are DOT approved.
- **Does Leonard Bus Sales offer training for technicians on this system?**
 - Yes. Contact your Transportation Advisor to arrange an in-person air systems training.

No school bus safety technology replaces the most important safety component of all – a skilled, alert professional driver exercising safe driving habits, as well as continuous, comprehensive driver training. Responsibility for the safe operation of the vehicle remains with the driver at all times.

Under no circumstances should any individual willfully conduct testing or attempt to demonstrate the capabilities of units equipped with an Electronic Stability Control or Collision Mitigation system. Purposeful testing and/or demonstration of these systems can put the operator, passengers, participants, pedestrians, and other motorists at risk of serious injury or death.