ATC
Automatic Traction Control is available as an option on all E version ECUs and is standard on most. ATC helps improve traction in low traction road conditions. ATC reduces the potential of jackknifing caused by excessive wheel spin during acceleration or in curves. ATC works automatically in two different ways.

• When one drive wheel is spinning at a different speed than the other, ATC momentarily applies the brake until traction is regained.
• When both drive wheels are spinning on a poor-traction surface, ATC automatically reduces engine power to attain optimum tire-to-road traction.

ELECTRONIC STABILITY CONTROL (ESC)
Electronic Stability Control (ESC) combines the rollover prevention of Roll Stability Control (RSC) with directional stability in order to keep the vehicle traveling on its intended path by providing spinout and drift out control. Like RSC, ESC is automatic. It becomes active when the system senses imminent directional or roll instabilities, often before the driver is aware. You will notice a difference in the vehicle when stability control is functioning, but you should continue to drive as normal and provide any additional needed corrections. You may again notice a reduction in engine torque and additional deceleration from the retarder, if so equipped. You also may notice individual or all brakes applying depending on whether the vehicle is in a roll or directional control event.

ABOUT WABCO
WABCO (NYSE: WBC) is a leading global supplier of technologies and services that improve the safety, efficiency and connectivity of commercial vehicles. Founded nearly 150 years ago as the “Westinghouse Air Brake Company,” WABCO continues to pioneer breakthrough innovations for advanced driver assistance, braking, stability control, suspension, transmission automation and aerodynamics. WABCO reported sales of $3.3 billion in 2017 and has 15,000 employees in 40 countries. For more information, visit: www.wabco-na.com.

Driver Tips
For further product details contact your WABCO representative or the WABCO Customer Care Center at 855-228-3203.
The following controls are available with WABCO SmartTrac™ systems. Refer to your vehicle specification to determine which controls are available on your vehicle.

**ANTI-LOCK BRAKING SYSTEM (ABS)**

ABS is a system designed to provide and maintain the best possible traction and steering control during an extreme braking event. During a potential wheel lock event, the ABS ECU, using information provided by the wheel speed sensors, sends a signal(s) to the appropriate modulator valve(s) to hold, apply or release the brakes as needed. ABS works automatically, the driver does not have to select this feature.

<table>
<thead>
<tr>
<th>Lamp</th>
<th>Lamp On</th>
<th>Lamp Flashing</th>
<th>Lamp Off</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="ABS" /></td>
<td>If the ECU senses a tractor ABS fault during normal vehicle operation, the ABS indicator lamp will come on and stay on.</td>
<td>The ABS lamp will only flash when the ABS off-road function is enabled via switch. The ABS off-road function improves vehicle control and helps reduce stopping distances in off-road conditions or on poor traction surfaces such as loose gravel, sand and dirt.</td>
<td>Normal operation.</td>
</tr>
<tr>
<td><img src="image" alt="TC" /></td>
<td>If the ECU senses a tractor ATC fault during normal vehicle operation, the ATC indicator lamp will come on and stay on. The ATC lamp will also come on during an ATC event, and it will remain lit until the completion of the event.</td>
<td>A vehicle manufacturer might offer an ATC switch to control the ATC function. If the ATC switch is configured for deep snow and mud mode, the ATC lamp will flash while the system remains in that mode. If the ATC switch is configured to disable ATC, the ATC lamp will also flash until ATC is enabled via switch.</td>
<td>Normal operation.</td>
</tr>
<tr>
<td><img src="image" alt="Car" /></td>
<td>If the ECU senses a tractor ESC fault during normal vehicle operation, the ESC indicator lamp will come on and stay on. The ESC lamp will also turn on when the ESC learning mode is active.</td>
<td>The ESC lamp will flash when ESC is active. The ESC lamp will also remain off during ESC initialization.</td>
<td>Normal operation.</td>
</tr>
</tbody>
</table>

All of the lamps above will turn on when the vehicle is powered on as part of a bulb check. The ABS lamp will be illuminated for 3 seconds, and the ATC and ESC lamps (if equipped) will stay on briefly after the ABS lamp goes out.