

DO NOT REMOVE FROM VEHICLE

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## 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.

For further product details  
contact your distributor or the  
**WABCO Customer Care Center at**  
**+1 (855) 228-3203**

# SmartTrac™

## About ZF Friedrichshafen AG



## STABILITY CONTROL SYSTEMS



ZF is a global technology company and supplies systems for passenger cars, commercial vehicles and industrial technology, enabling the next generation of mobility. ZF allows vehicles to see, think and act. In the four technology domains Vehicle Motion Control, Integrated Safety, Automated Driving, and Electric Mobility, ZF offers comprehensive solutions for established vehicle manufacturers and newly emerging transport and mobility service providers. ZF electrifies different kinds of vehicles. With its products, the company contributes to reducing emissions and protecting the climate.

ZF, which acquired WABCO Holdings Inc. on May 29, 2020, now has 162,000 employees worldwide with approximately 260 locations in 41 countries. In 2019, the two then-independent companies achieved sales of €36.5 billion (ZF) and \$3.4 billion (WABCO).

For more information, visit: [www.wabco-na.com](http://www.wabco-na.com)

# Driver Tips

# WABCO

# DRIVERTIPS



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.

Lamp	Lamp On	Lamp Flashing	Lamp Off
	If the ECU senses a tractor ABS fault during normal vehicle operation, the ABS indicator lamp will come on and stay on.	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.	Normal operation.
	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.	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.	Normal operation.
	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.	The ESC lamp will flash when ESC is active.	Normal operation. The ESC lamp will also remain off during ESC initialization.

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.