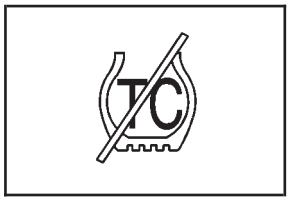
Traction Control System (TCS) (CTS-V)

Your vehicle has a traction control system that limits wheel spin. This is especially useful in slippery road conditions. The system operates only if it senses that one or both of the rear wheels are spinning or beginning to lose traction. When this happens, the system brakes the spinning wheel(s) and/or reduces engine power to limit wheel spin.

You may feel or hear the system working, but this is normal.

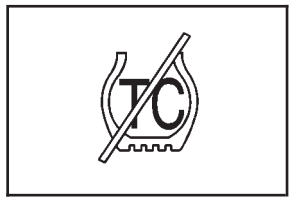


This warning light will come on to let you know if there's a problem with your traction control system.

See *Traction Control System (TCS) Warning Light on page 3-43*. When this warning light is on, the system will not limit wheel spin. Adjust your driving accordingly.

The traction control system automatically comes on whenever you start your vehicle. To limit wheel spin, especially in slippery road conditions, you should always leave the system on. But you can turn the traction control system off if you ever need to.

You should turn the system off if your vehicle ever gets stuck in sand, mud or snow and rocking the vehicle is required. Additionally, turning the traction control system off on some surfaces, such as deep snow and loose gravel, will assist vehicle motion at lower speeds. See *Rocking Your Vehicle to Get It Out on page 4-33* and *If You Are Stuck: In Sand, Mud, Ice or Snow on page 4-32* for more information. See also *Winter Driving on page 4-28* for information on using TCS when driving in snowy or icy conditions.



You can turn the system off by pressing the TC (traction control) button located on the steering wheel.

If you press the TC button once, the traction control system will turn off and the traction control system warning light will come on. If you press the TC button again within five seconds, the traction control system will remain off, the warning light will stay on, and the stability system will enter Competitive Driving Mode. Competitive Driving will be displayed on the Driver Information Center (DIC). See *DIC Warnings and Messages on page 3-65* for more information. Press the TC button again to turn the system back on.

If you press and hold the TC button for five seconds, the Stabilitrak® and Traction Control systems will turn off. Press the TC button again to turn Stabilitrak® and Traction Control back on. For more information, see *Stabilitrak® System on page 4-11*.

Competitive Driving Mode

The driver can select this optional handling mode by pressing the Traction Control button on the steering wheel twice within five seconds. COMPETITIVE DRIVING will be displayed in the DIC. Competitive driving mode allows the driver to have control of the power applied to the rear wheels, while the Stabilitrak® system helps steer the vehicle by selective brake application. In competitive mode, the levels at which Stabilitrak® is engaged have been modified to better suit a performance driving environment. When the instrument cluster light is on, the Traction Control System will not be operating. Adjust your driving accordingly.

When you press the Traction Control button again, or turn the ignition to ACC, the Traction Control System will be on. The traction engaged symbol will be displayed temporarily in the DIC and a chime will be heard.

Limited-Slip Rear Axle

Your limited-slip rear axle can give you additional traction on snow, mud, ice, sand or gravel. It works like a standard axle most of the time, but when one of the rear wheels has no traction and the other does, this feature will allow the wheel with traction to move the vehicle.

Stabilitrak® System

Your vehicle may be equipped with a vehicle stability enhancement system called Stabilitrak®. It is an advanced computer controlled system that assists you with directional control of the vehicle in difficult driving conditions.

Stabilitrak® activates when the computer senses a discrepancy between your intended path and the direction the vehicle is actually traveling. Stabilitrak® selectively applies braking pressure at any one of the vehicle's brakes to help steer the vehicle in the direction which you are steering.

When the system activates, a Stability System Engaged message will be displayed on the Driver Information Center. See *DIC Warnings and Messages on page 3-65*. You may also hear a noise or feel vibration in the brake pedal. This is normal. Continue to steer the vehicle in the direction you want it to go.

If there is a problem detected with Stabilitrak®, a Service Stability System message will be displayed on the Driver Information Center. See *DIC Warnings and Messages on page 3-65*. When this message is displayed, the system is not operational. Driving should be adjusted accordingly.

Stabilitrak® comes on automatically whenever you start your vehicle. To help assist you with directional control of the vehicle, you should always leave the system on. You can turn Stabilitrak® off if you ever need to through the TC (traction control) on/off button. See *Traction Control System (TCS) (CTS) on page 4-8* or *Traction Control System (TCS) (CTS-V) on page 4-10*.

If your vehicle is in cruise control when the Stabilitrak® activates, the cruise control will automatically disengage. When road conditions allow you to safely use it again, you may reengage the cruise control. See *Cruise Control (CTS) on page 3-13* or *Cruise Control (CTS-V) on page 3-17* for more information.

Panic Brake Assist

Your vehicle has a panic brake assist system that monitors the intention of the driver while braking. If the system senses that the driver has applied hard/fast pressure to the brake pedal, the system will generate additional pressure, making it easier for the driver to maintain brake application. When this happens the brake pedal will feel easier to push. Just hold the brake pedal down firmly and let the system work for you. You may feel the brakes vibrate, or you may notice some noise but this is normal. The brakes will return to normal operation after the brake pedal has been released.

Steering

Power Steering

If you lose power steering assist because the engine stops or the system is not functioning, you can steer but it will take much more effort.

Speed Variable Assist Steering

If your vehicle has this system, it varies the amount of effort required to steer the vehicle in relation to the speed of the vehicle.