Traction control

PRINCIPLE OF OPERATION

In conditions where one or more wheels has a tendency to spin, Electronic Traction Control (ETC) works with the Dynamic Stability Control (DSC) system to improve mobility.

If a wheel is spinning, ETC automatically brakes that wheel until it regains grip. This braking activity causes the engine power to be transferred to the remaining wheels. Some noise may be generated when the brakes are applied.

Note: *Deactivating DSC will also change the level of ETC intervention. When a wheel starts to spin, ETC will still brake that wheel, however, the engine torque output will not be limited by the system. This may improve vehicle mobility in certain situations, but will also increase levels of ground damage and load upon brakes.*

Warning indicator



The warning indicator in the instrument pack illuminates briefly when the ignition is switched on.

The warning lamp flashes if ETC or DSC is activated and continues to flash until the vehicle regains traction and stability.

A fault with the ETC system is indicated by the DSC warning indicator illuminating continuously. Any such fault will deactivate both ETC and DSC, so drive with care and seek qualified assistance as soon as possible.

SAND LAUNCH CONTROL

Sand launch control is automatically enabled when the Sand special program is selected on the Terrain Response system.

When pulling away from stationary on sand and other dry, yielding ground, excessive wheel spin can cause the wheels to dig downwards preventing forward movement. Sand launch control limits the amount of wheel spin allowing a gradual controlled pull away even if full throttle is applied.

ROCK CRAWL PRECHARGE

Rock crawl precharge is automatically enabled when the Rock Crawl special program is selected on the Terrain Response system.

Rock crawl precharge applies a small amount of brake pressure to each brake calliper during low speed driving. This improves brake and traction control response times helping to reduce forward/backward vehicle roll when cresting an obstacle or releasing the accelerator pedal.