

Anti-Lock Brake System (ABS) and Stability Control - Raptor - Overview

Overview

The ABS and stability control systems are comprised of the following subsystems which assist the driver in maintaining control of the vehicle:

- ABS
- Brake fluid support
- EBD
- ESC
- Hill descent control™
- Hill start assist
- Hydraulic fade compensation
- RSC
- Side-wind stabilization
- Supplemental braking assist
- Supports adaptive cruise control
- Supports collision avoidance
- Terrain management system
- Traction control
- Trailer sway control
- Torque vectoring control

The ABS helps maintain steering control during hard braking by preventing wheel lock up. The ABS also includes a brake assist function which provides maximum brake system pressure during a severe braking situation.

Brake fluid support increases brake fluid flow to the wheel ends to help compensate for brake fade conditions.

The EBD system helps maintain vehicle control by keeping a balanced braking condition between the front and rear wheels.