Active Rollover Protection - ARP

Our Answer to the Rollover Problem

SUV's, Pickup Trucks and Vans are increasing in popularity and sales every year. Due to the higher center of gravity of these vehicles, unfortunately rollover risk has also increased. These rollover accidents can often result in fatalities. In fact, rollovers are the second most common type of fatal crash after frontal crashes.

Active Rollover Protection system (ARP) can prevent rollover accidents from occurring. ARP is the next step in Electronic Stability Control Systems. It goes one step further than ESC and monitors vehicle roll. When a driver enters a potential rollover situation, **ARP detects it** and works to **help the driver keep the vehicle on all four wheels.**

How Does ARP Work?

ARP builds on ESC and its three chassis control systems already on the vehicle - **ABS, Traction Control** and **Yaw Control**. ARP adds another function, **Vehicle Roll Sensing**. Excessive lateral force, which is generated by driving too fast in a corner or turn, may result in a rollover because of the high vehicle center of gravity. ARP automatically responds whenever it detects an unstable condition leading to a potential rollover. ARP rapidly applies the brakes with a

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high burst of pressure to the appropriate wheels to interrupt the rollover before it occurs.

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