Delphi Quadrasteer™ Four Wheel Steering

Description
Delphi Quadrasteer™ Four Wheel Steering combines conventional front-wheel steering with an electrically powered rear-wheel steering system composed of wheel-position and vehicle-speed sensors and a central electronic control module. The system works at three speeds:

- **At low speeds** (below 40 miles or 64 kilometers per hour), in the negative phase, the rear wheels turn in the opposite direction of the front wheels
  - Reduces turn radius up to 20 percent
  - Improves maneuverability
  - Eases parking
  - Simplifies trailer positioning
- **At moderate speeds** (around 40 miles or 64 kilometers per hour), the rear wheels remain straight, or neutral
- **At higher speeds** (above 40 miles or 64 kilometers per hour), the rear wheels are in the positive phase, turning in the same direction as the front wheels
  - Helps improve handling
  - Virtually eliminates trailer sway
  - Enables more stability during lane changes

Benefits
- Dramatically enhances low-speed maneuverability, higher-speed stability, and trailering capability for full-size trucks, vans, and sport-utility vehicles
- Can be integrated with active safety chassis systems
- Instantly returns vehicle to two-wheel steering if four-wheel system is damaged
- Can be fully automatic or driver selectable
- Driver can adjust the rear-wheel steering for different driving conditions
- Designed for comfort, convenience, and safety
  - No loss of front leg room
  - Does not reduce ground clearance

Note: Quadrasteer™ is a trademark of Delphi Corporation.