

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.

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