



ZF Friedrichshafen, AG
Commercial Vehicle Steering Systems

Owner's Manual - Steering System

ReAX Adaptive Steering Technology

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This ZF Commercial Vehicle Steering Systems' owner's manual has been prepared for reference and use by mechanics who have been trained to repair and service steering components and systems on heavy commercial vehicles. ZF Commercial Vehicle Steering Systems has exercised reasonable care and diligence to present accurate, clear and complete information and instructions regarding the ReAX Adaptive Steering Technology. The procedures must be carefully read and understood before servicing.

This vehicle is equipped ZF ReAX adaptive steering technology. ReAX is an electric motor programmed to provide dynamic assist and enhanced steering performance in conjunction with the hydraulic steering system. ReAX provides the following benefits:

- Easier steering efforts while the vehicle is both in motion and stationary.
- Smooth handling and adaptive steering feel from low to high speeds.
- Consistent steering experience independent of road conditions.
- Excellent reversibility from any turn-angle at any vehicle speed while driving forward and while backing.
- Cross-wind and road crown compensation.
- Driver-controlled variable efforts feature.

Column Tilt / Telescope Adjustment

Adjustments can be made using either dash mounted rocker switches or steering wheel mounted paddle switches, depending on vehicle configuration.

If the vehicle is equipped with a manual adjustment ReAX steering column, an adjustment foot pedal will be installed. Depress the foot pedal completely to unlock the tilt and telescope adjustment of the steering column. Use both hands to adjust the position of the steering wheel to the desired height and angle. Release the foot pedal to lock the column in place.

NOTE The steering column should not be adjusted while the vehicle is in motion.

Trouble Shooting

In order to maintain the system, you need to be aware of certain conditions that can occur throughout the life of the vehicle.

- Blown fuse, low voltage or battery disconnect occurrences.
- Removal and re-installation of the steering column.
- Removal and re-installation of the steering components between the steering column and the drag link.
- Efforts control knob not changing steering effort correctly.

For the conditions mentioned above, we recommend that you take the vehicle to a certified repair shop as they have the equipment and procedures to ensure that your steering system will perform correctly. Please contact vehicle manufacturer for alignment specifications and service parts information.

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