



TATRA IS THE SOLUTION

THE NEW



TATRA - NORGREN

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ELECTRONIC GEAR SHIFT SYSTEM

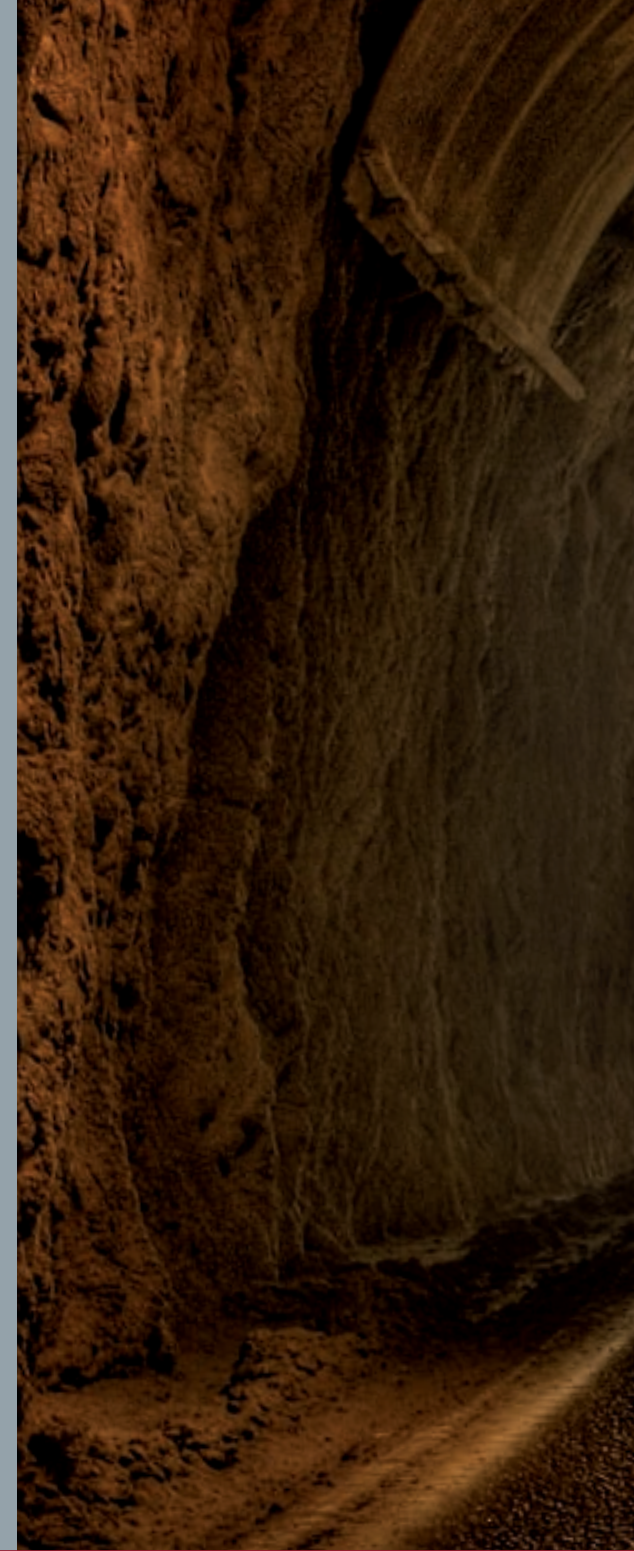


- enhanced vehicle operation comfort
- improved driving safety
- reduced risk of damage due to incorrect gear shifting
- unified solution for all versions of TATRA vehicles
- two basic transmission modes - manual or automatic
- auto submodes - AE, AM, AP, AS and MB

The basis of the TATRA - NORGREN electronic gear shift system is a mechanically controlled ten- or fourteen-speed transmission unit TATRA 10 TS or TATRA 14 TS supplemented with position sensors. An electro-pneumatic system is installed in place of the original steering booster and transmission control mechanism including the gear shift lever. The system control unit is located in the cab, the display is on the dashboard in the driver's field of vision, there is a selector lever instead of a traditional gear shift lever, the electro-pneumatic valve block is located on the transmission unit, the actuator replaces the original gear shift booster, and the emergency controller is inside the cab within easy reach of the driver.

Any gear can be engaged in the manual shifting mode, which is indicated by the letter M on the display. However, the system does not allow for shifting into any gear that would result in engine overspeed. The selector is moved forward or backward to select a higher or lower gear. The preselected gear is indicated on the display. The gear is engaged once the clutch pedal is depressed. The clutch pedal can be released after a beep which indicates a successful gear shift.

The system options in the automatic gear shifting mode can be altered using the selector, allowing the driver to choose settings depending on current driving conditions and needs. Each submode of the automatic shifting mode enables the driver to shift into different gears depending on a preset engine speed corresponding to a selected operating mode. Preselected gears are displayed on a screen and are actually engaged once the clutch pedal is depressed. A successful gear shift is indicated by an audible tone after which the clutch pedal can be released. You can use the selector lever to adjust the automatic gear options in all modes to completely customize it to your needs. Individual submodes of the automatic gear shift mode prioritize the following: AE - driving economy, AM - vehicle load, AP - driving dynamics, AS - self-recovery, MB - engine brake. In alignment with its customer focus, TATRA offers a thorough training system to all interested parties, with an emphasis on optimum utilization of the TATRA-NORGREN electronic gear shift system.







TATRA, a. s.

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