

UltraShift® PLUS Automated Transmissions



Custom tailored to your job

The Eaton UltraShift™ PLUS automated manual transmission can be custom tailored to your job. Your spec. And your competitive edge. Our powerful ServiceRanger 4 diagnostic and programming tool provides access to many configurable features to give you exactly what you want. And it's all backed by the solutions, support and expertise of the Roadranger® network. Find your Eaton edge at roadranger.com or contact your local Roadranger.

Configurable with ServiceRanger 4 – Standard package

FEATURE	DESCRIPTION
Default Start Gear	Sets the default start gear when Drive and Manual are selected.
Maximum Start Gear	The maximum possible start gear for Drive. Allowable start gear will vary depending on several vehicle inputs like load, grade and axle ratio.
Coast Down Gear	The last gear that is physically engaged before the vehicle starts coasting. Coast allows the transmission to roll to a stop.
Default Reverse Gear	The default start gear for Reverse.
Maximum Reverse Gear	The maximum reverse gear for Reverse.
Transmission Shift Console Mode Configuration	Permits selection of clutch engagement options by shifter position to provide optimum mobility for the vehicle application – including Standard, Creep Mode, Blended Pedal, and Urge to Move.
Vocational Shift Response	The shift response setting controls the torque ramp-down before a shift and torque ramp-up after a shift to tune the transmission for specific loads and terrain.
Grease Interval Enable	Enables a Clutch Greasing Interval notice on the Gear Display (GI) after a specific number of clutch actuations. The number of actuations varies by transmission model.
Auto-Neutral Tone	Allows a tone when Auto Neutral is entered and the Park Brake Switch is released, but the system is not back in gear or Neutral.



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Configurable with ServiceRanger 4 – Professional package

FEATURE	DESCRIPTION
Shift Point Calibration	Determines the point at which the transmission upshifts and downshifts, depending on the vehicle's application.
Kick Downshift	When throttle pedal transitions from low to high, often creates a downshift which can provide better acceleration.
Hill Start Aid Threshold	Enables changes to required % grade to activate Hill Start Aid function in the vehicle. The system uses foundation brakes to hold the vehicle stationary for up to 3 sec, holding the vehicle from rollback during transitions from brake to throttle pedal on grades.
Hold Mode Gear	Allows the ability to make Manual a Hold Gear function only (i.e.up/down buttons have no effect). In addition, provide an operator deterrent/nuisance tone when operating in Manual when a Hold Mode Gear is selected to discourage continuous use.
Aux Transmission Model	Indicates to the system that Eaton's AT-1202 Auxiliary Transmission is installed.
Drive Train Type	Allows for modification to the system's driveline torque limit when Aux Transmissions are installed.
Remote Throttle	Allows the transmission to be configured for Remote Throttle functionality. Turns on relay that allows throttle to be controlled remotely. Primarily used in Mixer applications.
Engine PTO	Notifies transmission system that the vehicle has an engine-driven PTO on the vehicle. Primarily used for Mixer applications.
PTO AutoNeutral Enable	Allows the ability to allow or prevent a non-neutral mode selection when a PTO is active.
Split Shaft PTO	Allows the transmission to recognize that a split shaft PTO device is installed on the vehicle.
Split Shaft PTO Default Gear shaft	Sets the default gear that will be selected when split shaft PTO is activated. This is only valid when the split PTO is enabled.
Split Shaft PTO Minimum Gear Selection	Sets the minimum selectable gear for split shaft operation. This is only valid when the split shaft PTO is enabled.

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**For spec'ing or service assistance,
call 1-800-826-HELP (4357) or visit
www.eaton.com/roadranger.
In Mexico, call 001-800-826-4357.**

Roadranger: Eaton and trusted partners providing the best products and services in the industry, ensuring more time on the road.

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