

Fuller Advantage® Series Automated Transmissions

Series: Linehaul, Vocational

Upgraded performance, reduced cost of ownership.

The Fuller Advantage series automated transmissions are the most advanced and efficient heavy-duty transmissions ever produced by Eaton. Using extensive customer input, our engineers incorporated several product improvements over the UltraShift® PLUS LAS.

- **Reduced weight**
- **Increased efficiency**
- **Lower preventative maintenance**
- **Improved fuel economy**

MODEL	FULLER ADVANTAGE SERIES AUTOMATED			ULTRASHIFT PLUS LAS	
	SMALL-STEP OVERDRIVE	OVERDRIVE	DIRECT DRIVE	OVERDRIVE	DIRECT DRIVE
Description	10 Forward Spds 2 Reverse First Gear Ratio: 14.11 Overall Ratio: 17.70	10 Forward Spds 2 Reverse First Gear Ratio: 12.80 Overall Ratio: 17.53	10 Forward Spds 2 Reverse First Gear Ratio: 15.42 Overall Ratio: 15.42	10 Forward Spds 2 Reverse First Gear Ratio: 12.80 Overall Ratio: 17.53	10 Forward Spds 2 Reverse First Gear Ratio: 15.42 Overall Ratio: 15.42
MAX GCW/ GCWW	Up to 80,000 lbs.	Up to 110,000 lbs.	Up to 110,000 lbs.	Up to 110,000 lbs.	Up to 110,000 lbs.
Oil Capacity (Pints)	16	16	16	26	26
Two-Pedal Design	✓	✓	✓	✓	✓
Oil-Level Sight Glass	✓	✓	✓	✓	✓
Active Shifting	✓	✓	✓	✓	✓
Skip Shift	✓	✓	✓	✓	✓
GearLogic Technology	✓	✓	✓	✓	✓
Cooler-less Design	✓	✓	✓		
PTO Provisions	6 bolt/8 bolt/ Thru Shaft	6 bolt/8 bolt/ Thru Shaft	6 bolt/8 bolt/ Thru Shaft	6 bolt/8 bolt/ Thru Shaft	6 bolt/8 bolt/ Thru Shaft
Applications	Linehaul	Linehaul, Vocational	Linehaul	Linehaul, Vocational	Linehaul
Warranty*	5 years/750k miles	5 years/750k miles, 3 years/unlimited	5 years/750k miles	5 years/750k miles, 3 years/unlimited	5 years/750k miles

*A Warranty will vary depending on vocation and intended use conditions. Refer to Eaton Warranty Guide (TCWY0900) for specific warranty information. Warranty coverage will change for transmissions in trucks that intended for export markets.

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HIGHLIGHTS – Here’s a look at the high-level benefits of Fuller Advantage:



OPTIMIZED PERFORMANCE

Precision Lubrication, semi-dry sump design and other innovations optimize performance and reduce inefficiency by nearly one-third.



REDUCED MAINTENANCE

It’s so efficient, there’s no need for oil coolers. No coolers means no cooler line leaks. Plus an oil level sight glass makes preventative maintenance inspections quicker.



IMPROVED FUEL EFFICIENCY

Up to 1.6% better fuel economy thanks to the strategic use of aluminum components, which reduces weight by up to 82 pounds and the Precision Lubrication system.



COVERAGE AND CONFIDENCE

Enjoy peace of mind with a standard 5-year or 750,000-mile warranty and the support, solutions and expertise of the Roadranger network.

GearLogic™ Technology

A suite of intelligent technology features for automated transmissions improve performance, fuel efficiency and driver confidence. Learn about these impressive features and discover what they can do for you.

Feature	Definition
Hill Start Aid	Prevents unintended roll back or roll forward. When the grade exceeds the programmed threshold, foundation brakes hold the truck for a controlled launch. It works when pointing uphill in drive or facing downhill in reverse.
Auto Neutral	Automatically switches the transmission into neutral once the parking brake is engaged to prevent potential movement. Safety features like these not only reduce accidents, but can also help meet the latest CSA regulations.
Engine Overspeed Protection	The transmission system upshifts if necessary to prevent engine over-speed in Drive, Manual and Low modes.
Enhanced Engine Braking	Downshifts the transmission to help slow the truck on long, steep descents and increases brake pad life.
Load-Based Shifting	Selects appropriate starting gear and makes shift decisions based on grade, vehicle weight, engine torque and throttle position.
Urge to Move	Drivers simply release the brake pedal to automatically inch forward, similar to the feel of a passenger car.
Blended Pedal	Drivers can use the throttle to feather the clutch for seamless low-speed control.
Creep Mode	Enables the driver to “creep” at low speeds and offering ultimate control.
Neutral Coast	Fuel-saving feature that disengages the driveline on slight downhill grades.
Smart Gear Selection	The appropriate starting gear is selected and makes shift decisions based on grade, vehicle weight, engine torque and throttle position—skip shifting when appropriate, making the most efficient shift changes based on those conditions.

Note: Features and specifications listed in this document are subject to change without notice and represent the maximum capabilities of the software and products with all options installed. Although every attempt has been made to ensure the accuracy of information contained within, Eaton makes no representation about the completeness, correctness or accuracy and assumes no responsibility for any errors or omissions. Features and functionality may vary depending on selected options.

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Roadranger
SUPPORT

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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