

# DM and ECA clutches for Eaton's automated transmissions



Clutch systems for the top-of-the-line Eaton automated transmissions offer the durability and performance necessary to withstand the high actuation conditions associated with automated transmission systems.



Eaton's first-generation UltraShift transmission used a centrifugal clutch to "float shift" by RPM.



The Electronic Clutch Actuator (ECA) in Eaton's latest generation of automated transmissions – the UltraShift PLUS – "actively shifts" based on load, grade and throttle power. Complete shifts are smooth and quick.

## Automated Clutch Systems

The clutch systems of the UltraShift®, UltraShift® PLUS and Fuller® Advantage Series transmissions are a fundamental piece of these transmission upgrades.

DM Clutches:

- Centrifugal design relies on engine RPM for engagement.
- Provides smooth engagement.

ECA Clutches:

- Ensure performance and efficiency with new Electric Clutch Actuation and intelligent shift selection software.
- Enables better launch and shift decisions through grade sensing, weight computation and driver throttle commands.
- Provides smooth engagement and high fidelity of vehicle control, even in the most challenging applications.
- Designed for fast actuation to enable quick, open clutch shifting.
- 50,000 mile release bearing lubrication interval for linehaul.
- New inertia brake comes standard with every heavy-duty ECA clutch that is purchased in Aftermarket.



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SUPPORT

# DM and ECA Clutches

Clutch Torque lb-ft (must equal or exceed engine torque)	Eaton Clutch for Automated Transmission
	Heavy-Duty ECA Clutch
1850	122002-35A
2250	122003-42A
	Heavy-Duty DM Clutch
1750	121000-1

Replace with only genuine Eaton parts for performance, durability, and warranty assurance.

- Eliminate cross-reference mistakes and get the right part the first time, every time.
- Maintain your warranty with genuine components.
- Choose genuine Eaton replacement parts, and get legendary Roadranger support for more time on the road.

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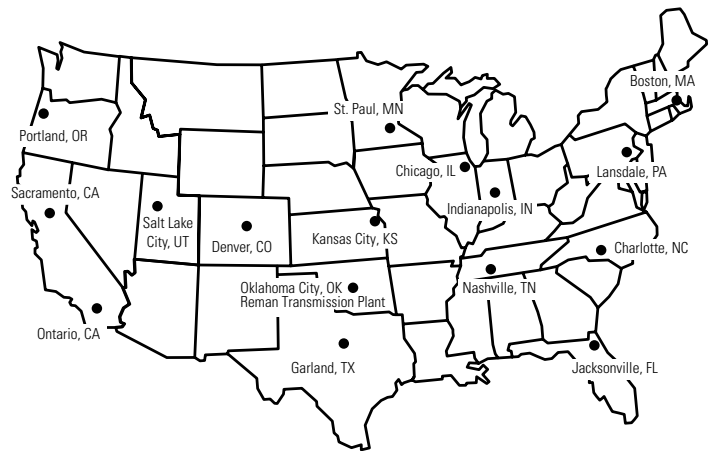
SUPPORT

For spec'ing or service assistance,  
call 1-800-826-HELP (4357) or visit  
[www.eaton.com/roadranger](http://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.

## Roadranger® Logistic Centers

These facilities offer customer pick-up options which save you time and money. The Logistic Centers are set up to meet same or next day criteria to almost anywhere in the United States. Look for one near you. Or contact your Roadranger Parts Representative. **To order, please call 1-800-826-4357.**



**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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