

# Rotating Electrical Generators/Alternators

OE

GM Genuine Parts Original Equipment generators are the true OE parts installed during production or validated by General Motors for GM vehicles. OE generators are designed, engineered, tested to rigorous standards and backed by General Motors.

The integration of the generator with the vehicle's engine and electrical systems takes years of designing, component and vehicle testing to ensure all GM engineering requirements are met. That's why GM Genuine Parts OE generators are the only generators recommended for GM vehicles.

*(Some GM Genuine Part generators may have formerly appeared as ACDelco GM OE)*

- 100% New units manufactured as an exact replacement for your GM vehicle's original equipment
- Remanufactured GM OE generators are also available, depending on vehicle application
- Part numbers covering GM OE light duty, medium duty and some HD applications

## ENGINEERED FOR GM VEHICLES & TESTED TO RIGOROUS STANDARDS

- Starting with model year 2022, GM will begin using high-efficiency generators, and migrate on other applications in the future.
- High efficiency generators support the high electrical loads of today's vehicles while reducing increase in fuel consumption
- The wire fusing and wire gauge size for the generator has been specifically engineered for the GM vehicle application.
  - If the generator is too small, it will discharge the battery quicker. If the generator is too big, it could blow fuses.
- The generator is an active device which has stringent noise and vibration requirements in the GM vehicle application. Fan sizes and bracketry are specifically designed to help prevent noise and vibration.
- GM calibrations are designed for the GM OE generator from a regulator and torque standpoint
- GM Genuine part generators are tested to rigorous standards. Components are tested for maximum durability, corrosion resistance and stop/start technology



Chevrolet



Cadillac



GMC



Buick



36 Month/60,000 KM Limited Warranty: Our most common Parts Warranty offers coverage on the majority of our Genuine GM Parts and ACDelco service replacement parts. Effective on parts purchased February 3, 2020 and later to the original retail purchaser. Contact your ACDelco parts supplier for limited warranty part details and qualifications.

**36 MONTH /  
60,000 KM**  
LIMITED WARRANTY

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## ELECTRICAL POWER MANAGEMENT

The electrical power management system is designed to monitor and control the charging system and send diagnostic messages to alert the driver of possible problems with the battery and generator. This electrical power management system primarily utilizes existing on-board computer capability to maximize the effectiveness of the generator, to manage the load, improve battery state-of-charge and life, and minimize the systems impact on fuel economy.

The electrical power management system performs 3 functions:

- Monitor the battery voltage and estimate the battery condition
- Take corrective actions by boosting idle speeds, and adjusting the regulated voltage
- Perform diagnostics and driver notification



## THE PART NUMBERS BELOW COVER OVER 2.4 MILLION GM VEHICLES CURRENTLY IN OPERATION IN CANADA

ACDelco Part Number	General FY	General LY
84143543	2014	2021
23279588	2007	2017
25877026	2007	2014
20881337	2007	2014
84143542	2015	2020
22817848	2007	2014
84143539	2015	2020
13595628	2012	2018
84143540	2014	2020
84331091	2014	2019

Refer to the electronic parts catalog or ACDelco's electronic catalogue – [www.acdelcocanada.com](http://www.acdelcocanada.com) for the most up-to-date applications and a complete list of parts.

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