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# Automotive Electronics Aftermarket: North America

September 2017



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# Table of Contents

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<b>1. Highlights</b>	<b>3</b>
<b>2. Market Environment</b>	<b>5</b>
Historical Trends	5
Key Economic Indicators	6
Vehicle Trends	7
Technological Improvements	7
Annual Mileage	8
Average Vehicle Age	9
Accident Rates	9
Legal & Regulatory Factors	10
USA	10
Canada	11
Mexico	12
<b>3. Segmentation &amp; Forecasts</b>	<b>13</b>
Products	13
Electronic Controls, Modules & Sensors	15
Automotive Entertainment	16
Security Systems	17
Performers	19
Professional	20
Consumer	21
<b>4. Industry Structure</b>	<b>23</b>
Industry Characteristics	23
Market Share	25
Continental	26
Standard Motor Products	27
Pioneer	27
<b>5. About This Report</b>	<b>29</b>
Scope & Method	29
Sources	30
Industry Codes	30
Resources	31

# List of Tables & Figures

---

Figure 1   Key Trends in North American Automotive Electronic Component Aftermarket, 2016-2021	4
Figure 2   NA Automotive Electronic Component Aftermarket Demand Trends, 2006-2016	5
Table 1   Key Indicators for NA Automotive Electronic Component Aftermarket Demand; 2006, 2011, 2016, 2021	6
Figure 3   US Automotive Electronic Component Aftermkt Demand by Product; 2006, 2011, 2016, 2021 (US\$ mil)	13
Table 2   NA Automotive Electronic Component Aftermkt Demand by Product; 2006, 2011, 2016, 2021 (US\$ mil)	13
Figure 4   US Automotive Electronic Component Aftermarket Demand by Product; 2006, 2011, 2016, 2021 (%)	18
Figure 5   NA Automotive Electronic Component Aftermkt Demand by Perfrmr; 2006, 2011, 2016, 2021 (US\$ mil)	19
Table 3   NA Automotive Electronic Component Aftermkt Demand by Perfrmr; 2006, 2011, 2016, 2021 (US\$ mil)	19
Figure 6   NA Automotive Electronic Component Aftermkt Demand by Performer; 2006, 2011, 2016, 2021 (%)	22
Figure 7   NA Automotive Electronic Component Aftermarket Market Share by Company, 2016 (US\$ bil)	25
Table 4   Leading Suppliers to the NA Automotive Electronic Component Aftermarket by Principal Product Lines	26
Table 5   Industry Codes Related to the Automotive Electronic Component Aftermarket	30

# About This Report

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## Scope & Method

This report forecasts North American demand for automotive aftermarket electronic components in US dollars at the manufacturers' level to 2021. Total demand is segmented by product in terms of:

- electronic controls, modules, and sensors
- automotive entertainment
- security systems.

In the scope of this report, "automotive" denotes light vehicles (ie, passenger cars, light trucks, and vans). The aftermarket represents parts and components installed after the vehicle has left the factory. However, remanufactured and rebuilt components are included in the scope of this report. For the purposes of this report, original equipment manufacturer (OEM) replacement parts, original equipment service (OES) parts, and aftermarket parts are all included in the automotive aftermarket, as long as these parts are utilized to repair or upgrade light vehicles in use. Furthermore, sales are attributed to the final purchaser, rather than the installer.

Excluded from consideration are all non-installed competing products, such as handheld GPS devices or smartphone mapping apps, non-installed HUD products, and other such products.

Total demand is also segmented by performer as follows:

- professional
- consumer/DIY (do-it-yourself).

To illustrate historical trends, total demand and the various segments are reported at five-year intervals for 2006, 2011, and 2016.

This report quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or  $r^2$ . The most stable data series relative to the trend carries an  $r^2$  value of 1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

## About This Report

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the Table of Contents.

## Sources

*Automotive Electronics Aftermarket: North America* (FF85042) is based on a [comprehensive industry study](#) published by The Freedonia Group. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources including:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- national, regional, and international non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other reports and studies by The Freedonia Group.

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

## Industry Codes

Table 5 | Industry Codes Related to the Automotive Electronic Component Aftermarket

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industry Codes	
334310	Audio and video equipment manufacturing	3651	Household audio and video equipment
336322	Other Motor Vehicle Electrical and Electronic Equipment Manufacturing	3714	Motor vehicle parts and accessories

Source: US Census Bureau

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## Resources

### The Freedonia Group

*Automotive Aftermarket for Electronic Components in North America*, September 2017

### Freedonia Industry Studies

*Automotive Aftermarket for Batteries & Ignition System Components in North America*, July 2017

*Automotive Aftermarket for Filters in North America*, June 2017

*Automotive Aftermarket for Brake Parts in North America*, April 2017

*Automotive Aftermarket for Powertrain Components in North America*, March 2017

*Global Internal Combustion Engine & Related Filters Market*, January 2017

*Gasket & Seal Market in the US*, December 2016

*Rechargeable (Secondary) Batteries*, September 2016

*World Bearings*, August 2016

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*Automotive Repair & Maintenance Services: United States*

*Hoses & Belts: United States*

*Medium- & Heavy-Duty Trucks & Buses: United States*

*Metal Stampings: United States*

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*Motor Vehicles: United States*

*Tires: United States*

*Transport Equipment: United States*

*World Bearings*

*World Gaskets & Seals*

*World Internal Combustion Engine Filters*

### Freedonia Custom Research

### Trade Publications

*Aftermarket Business World*

*Aftermarket News*

*AutoInc.*

*Automotive Engineering International*

*Automotive News*

*Tire Business*

*Ward's AutoWorld*

### Agencies & Associations

AutoCare Association

Automotive Aftermarket Suppliers Association

## About This Report

Automotive Industries Association of Canada  
Automotive Service Association  
Canadian Battery Association  
Eurostat  
Instituto Nacional de Estadística, Geografía e Informática  
International Monetary Fund  
Motor & Equipment Manufacturers Association  
National Automobile Dealers Association  
National Highway Traffic Safety Administration  
Organisation for Economic Co-operation and Development  
Specialty Equipment Market Association  
Statistics Canada  
United States Census Bureau  
United States Environmental Protection Agency  
United States International Trade Commission  
World Bank