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Motor Vehicles: United States

May 2018



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About This Report

Scope & Method

This report forecasts to 2022 US new motor vehicle retail sales and production in units, as well as new vehicle retail sales and consumer spending on used light vehicles in nominal US dollars. Total new retail sales and production volumes are segmented by type in terms of:

- light-duty trucks
- automobiles
- medium-duty trucks
- heavy-duty trucks
- medium- and heavy-duty buses

Total new vehicle retail sales values are segmented by type as follows:

- light-duty trucks
- automobiles
- medium- and heavy-duty trucks and buses

Consumer spending on used light vehicles is segmented type in terms of:

- trucks
- automobiles

To illustrate historical trends, total retail sales, total production, consumer spending, the various segments, and trade are provided in annual series from 2007 to 2017.

Other forms of motorized transport equipment, such as all-terrain vehicles; bicycles; military armored vehicles and tanks; motorcycles; off-road agriculture, construction, and mining equipment; race cars; snowmobiles; and parts are excluded from the scope of this report. Re-exports of motor vehicles and chassis are excluded from demand and trade figures.

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

About This Report

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.

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

Motor Vehicles: United States (FF85029) represents 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 19 | Industry Codes Related to Motor Vehicles

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industrial Classification	
336111	Automobile Manufacturing	3711	Motor Vehicles and Passenger Car Bodies
336112	Light Truck and Utility Vehicle Manufacturing	3713	Truck and Bus Bodies
336120	Heavy Duty Truck Manufacturing		
336211	Motor Vehicle Body Manufacturing		

Source: US Census Bureau

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Resources

The Freedonia Group

Freedonia Industry Studies

North America Automotive Aftermarket, November 2017
Automotive Aftermarket for Electronic Components in North America, September 2017
Automotive Batteries Aftermarket in North America, July 2017
Automotive Filter Aftermarket 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

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Global Light Vehicles
Global Medium- & Heavy-Duty Vehicles
Medium- & Heavy-Duty Trucks & Buses: United States
Motor Vehicle Biofuels: United States
Motor Vehicle Leasing: United States
Refined Petroleum Products: United States
Rubber: United States

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Trade Publications

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WardsAuto

Agencies & Associations

Alliance of Automobile Manufacturers
American Trucking Associations
Association of Diesel Specialists
Association of Equipment Manufacturers
Association of Global Automakers
The Association for the Work Truck Industry
US Department of Commerce
 Bureau of Economic Analysis
 United States Census Bureau
US Department of Transportation

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National Highway Traffic Safety Administration
US Environmental Protection Agency
US International Trade Commission