

Electric Vehicle Aftermarket Market– Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Vehicle Type (Passenger Cars, Commercial Vehicle), By Propulsion Type (BEV, HEV, PHEV, FCEV), By Replacement Part (Tire, Battery, Brake Pads, Filters, Body Parts, Lighting and Electronic Component, Others), By Distribution Channel (Authorized Service Centers (OEM), Premium Multi Brand Service Centers, Digital Aggregators, Others), By Region & Competition, 2020-2030F

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Abstracts

Market Overview:

Global Electric Vehicle Aftermarket Market was valued at USD 3.62 Billion in 2024 and is expected to reach USD 7.35 Billion by 2030 with a CAGR of 12.51% during the forecast period. The Global Electric Vehicle Aftermarket is experiencing significant growth fueled by increasing adoption of electric vehicles, which creates sustained demand for specialized replacement parts such as batteries, tires, and electronic components. Advances in battery technology and extended vehicle lifespans are encouraging aftermarket players to innovate in refurbishment and recycling services. Growing consumer awareness about sustainable and cost-effective maintenance solutions drives interest in smart diagnostics and predictive maintenance systems. Opportunities arise from expanding charging infrastructure, which supports EV usage and creates a parallel market for related accessories and upgrades. For instance, in 2024, the global public EV charging network expanded by over 1.3 million points, a 30%

year-over-year increase. China accounted for about two-thirds of this growth and currently holds approximately 65% of global public chargers alongside 60% of the electric light-duty vehicle stock. Europe's public charging points grew by more than 35% in 2024, surpassing 1 million points, with the Netherlands leading Europe's network with over 180,000 chargers.

Market Drivers

Increasing Electric Vehicle Adoption

The rapid growth in electric vehicle sales is a primary driver of the aftermarket industry. As more consumers switch to electric vehicles, the need for maintenance, repair, and replacement parts specific to these vehicles escalates. Unlike traditional vehicles, EVs have unique components such as battery packs, electric motors, and power electronics, which require specialized aftermarket services. The growing fleet size naturally expands the demand for tires designed for EV performance, brake components suited to regenerative braking systems, and high-tech electronic parts. This surge in demand encourages aftermarket companies to invest in developing tailored solutions and expanding their service capabilities. The increasing number of EVs on roads is transforming the aftermarket landscape by shifting the focus towards sustainable and technologically advanced vehicle components. For instance, In 2024, electric car sales worldwide surpassed 17 million, marking a growth of over 25% compared to the previous year. The additional 3.5 million electric cars sold in 2024 alone exceed the total global sales recorded in 2020. China remained the dominant market, with sales exceeding 11 million—surpassing the entire global sales volume from just two years prior. While growth in Europe slowed due to subsidy reductions and unchanged EU CO2 targets, the United States saw continued, albeit slower, growth in electric car sales. Notably, markets outside China, Europe, and the U.S. experienced a record 40% sales increase, reaching 1.3 million electric cars and approaching the U.S. sales volume of 1.6 million.

Key Market Challenges

High Cost and Complexity of EV Components

Electric vehicles feature advanced components that are often more expensive and complex than those in traditional vehicles, presenting a major challenge for the aftermarket industry. Repairing or replacing battery packs, power electronics, and electric motors requires specialized knowledge, equipment, and safety protocols that

many aftermarket service centers currently lack. This complexity restricts market accessibility, favoring well-equipped and highly trained providers over smaller or independent workshops. The high cost of replacement parts also impacts consumer willingness to invest in repairs, sometimes pushing owners to delay maintenance or seek alternative solutions. Supply chain limitations for critical materials add to the cost and availability challenges. Meeting evolving safety standards for handling high-voltage components increases operational overhead. These factors combined create barriers to scaling aftermarket services efficiently.

Key Market Trends

Integration of IoT and Connected Vehicle Technologies

The integration of Internet of Things (IoT) and connected vehicle systems is reshaping the electric vehicle aftermarket by enabling smarter, data-driven maintenance services. Vehicles equipped with sensors continuously monitor critical components and transmit diagnostic data to service providers in real time. This connectivity supports remote diagnostics, software updates, and predictive maintenance, allowing issues to be addressed proactively and reducing unscheduled downtime. Aftermarket companies leverage this data to develop personalized service packages and optimize inventory management. Enhanced communication between vehicles and service centers improves repair accuracy and customer engagement. The trend drives aftermarket providers to adopt digital platforms and invest in cybersecurity to protect sensitive data. IoT integration also facilitates new business models such as subscription-based maintenance and usage-based insurance, expanding revenue streams.

Key Market Players

3M

ABB Ltd.

EVBox Group

ChargePoint Inc.

Webasto SE

Siemens AG

Bosch Automotive Service Solution Inc.

Schneider Electric SE

Continental AG

Denso Corporation

Report Scope:

In this report, the global Electric Vehicle Aftermarket Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Electric Vehicle Aftermarket Market, By Vehicle Type:

Passenger Cars

Commercial Vehicle

Electric Vehicle Aftermarket Market, By Propulsion Type:

BEV

HEV

PHEV

FCEV

Electric Vehicle Aftermarket Market, By Replacement Part:

Tire

Battery

Brake Pads

Filters

Body Parts

Lighting and Electronic Component

Others

Electric Vehicle Aftermarket Market, By Distribution Channel:

Authorized Service Centers (OEM)

Premium Multi Brand Service Centers

Digital Aggregators

Others

Electric Vehicle Aftermarket Market, By Region:

North America

United States

Canada

Mexico

Europe & CIS

Germany

France

U.K.

Spain

Italy

Asia-Pacific

China

Japan

India

Vietnam

South Korea

Australia

Thailand

Middle East & Africa

South Africa

Saudi Arabia

UAE

Turkey

South America

Brazil

Argentina

Colombia

Competitive Landscape

Company Profiles: Detailed analysis of the major companies presents in the global Electric Vehicle Aftermarket Market.

Available Customizations:

Global Electric Vehicle Aftermarket Market report with the given market data, TechSci Research offers customizations according to the company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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