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Aftermarket EV Parts Market Forecasts to 2034 – Global Analysis By Part Type (Battery Packs & Modules, Charging Components, Power Electronics, Thermal Management Systems, Suspension & Brake Components, Interior & Exterior Accessories and Miscellaneous EV Parts), Vehicle Type, Distribution Channel and By Geography

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Abstracts

According to Stratistics MRC, the Global Aftermarket EV Parts Market is accounted for $145.7 billion in 2026 and is expected to reach $673.9 billion by 2034 growing at a CAGR of 21.1% during the forecast period. Aftermarket components for electric vehicles are parts and upgrades installed after the original purchase to maintain or enhance performance. These include essential items such as battery packs, charging accessories, power electronics, motors, braking systems, and software updates. With the rapid expansion of EV usage, there is increasing demand for affordable and high-quality replacement solutions. Third-party manufacturers and service centers contribute significantly by providing repair, maintenance, and customization options beyond original manufacturers. This sector enables longer vehicle usage and greater flexibility for owners. Continuous innovation and the global shift toward electrification are driving growth in the EV aftermarket industry.

According to the International Energy Agency (IEA), global electric car sales reached 2 million units in the first quarter of 2022, marking a 75% increase compared to the same period in 2021. This rapid adoption directly drives demand for aftermarket EV parts and services.

Market Dynamics:

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Driver:

Rising electric vehicle adoption

The growing number of electric vehicles on the road is significantly boosting the demand for aftermarket EV parts. As buyers increasingly prefer EVs for sustainability, lower operating costs, and regulatory incentives, the global EV fleet is expanding quickly. This expansion leads to higher requirements for replacement parts like batteries, tires, and brake systems as vehicles age. Regular servicing and maintenance needs further contribute to aftermarket growth. Developing regions are also seeing rapid EV adoption, increasing the need for cost-efficient and widely available spare components. This trend ensures a steady rise in aftermarket demand to sustain vehicle performance and longevity.

Restraint:

Limited standardization across EV components

The absence of consistent standards among electric vehicle components acts as a significant barrier to aftermarket market expansion. Automakers often rely on unique designs for key systems like batteries, electronics, and software, reducing compatibility with third-party parts. This variation complicates manufacturing for aftermarket suppliers and raises development costs. It also makes it harder for technicians and consumers to identify appropriate replacement components. Without common standards, the adoption of aftermarket parts remains limited, hindering growth opportunities and slowing the development of a more unified EV aftermarket industry.

Opportunity:

Growth in battery replacement and recycling

Rising demand for battery replacement and recycling is creating strong opportunities in the EV aftermarket sector. Over time, electric vehicle batteries lose efficiency, leading to increased need for replacements and refurbishment services. Environmental regulations are also encouraging the development of recycling systems for used batteries. Aftermarket companies can benefit by providing affordable reconditioned battery options and sustainable disposal methods. Furthermore, the use of retired batteries in secondary applications adds new business potential, making battery lifecycle solutions

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an important area of growth in the evolving EV parts market.

Threat:

Supply chain disruptions and raw material shortages

Interruptions in supply chains and limited availability of key raw materials present challenges for the EV aftermarket sector. Essential components, especially batteries, depend on resources such as lithium, cobalt, and nickel, which often face price fluctuations and geopolitical constraints. Disruptions in sourcing or logistics can slow production and increase operational costs. Restricted material supply also limits manufacturing output and reduces product availability in the market. These factors may lead to higher prices for customers and decreased competitiveness for suppliers. Ongoing supply uncertainties create instability and pose a threat to the consistent growth of the aftermarket EV parts industry.

Covid-19 Impact:

The pandemic created both challenges and opportunities for the EV aftermarket parts industry. Early lockdown measures disrupted production, supply chains, and transportation, causing a decline in demand for replacement components. Limited availability of materials and reduced vehicle usage also impacted sales. As restrictions eased, the market began to recover with rising dependence on personal transportation and increasing electric vehicle adoption. Vehicle owners prioritized maintenance, supporting aftermarket demand. The shift toward online purchasing and digital service platforms further improved accessibility. These changes helped stabilize the market and contributed to its gradual recovery and continued expansion in the post-pandemic period.

The battery packs & modules segment is expected to be the largest during the forecast period

The battery packs & modules segment is expected to account for the largest market share during the forecast period because of their importance in vehicle operation and longevity. As a key component influencing range and efficiency, batteries naturally degrade with usage, creating strong demand for replacement and repair. Their high cost and essential function make them a primary focus for maintenance activities. Continuous improvements in battery technology and the need for better performance also contribute to increased demand in this segment.

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The online platforms & e-commerce segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the online platforms & e-commerce segment is predicted to witness the highest growth rate as digital adoption continues to rise. Consumers increasingly favor online channels for purchasing components due to ease of access, price comparisons, and convenience. These platforms offer extensive product selections along with detailed information and user feedback, helping buyers make better choices. Improvements in shipping infrastructure and supply chain efficiency have also boosted reliability and delivery speed. Furthermore, the use of data-driven technologies enhances customer engagement and personalization.

Region with largest share:

During the forecast period, the Asia-Pacific region is expected to hold the largest market share owing to its high level of electric vehicle adoption and robust industrial base. Leading nations like China, Japan, and South Korea have extensive EV fleets, which generate consistent demand for spare parts and servicing. Favourable government policies, incentives, and infrastructure development further accelerate market expansion. The region also benefits from a strong network of manufacturers and relatively lower production costs, improving supply availability. Increasing urbanization and growing awareness about electric mobility among consumers support continued demand, making Asia-Pacific the leading region.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, supported by increasing electric vehicle adoption and significant investments in infrastructure. High consumer awareness, technological advancements, and favourable government policies are accelerating market development. As the EV fleet expands, demand for repair and replacement components continues to rise. The region’s strong digital landscape also supports growth in online sales channels for aftermarket products. Furthermore, the expansion of independent repair services and a greater emphasis on sustainable mobility are enhancing opportunities, positioning North America as a rapidly growing market.

Key players in the market

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Some of the key players in Aftermarket EV Parts Market include 3M, Bosch Automotive Service Solutions Inc., Delphi Technologies, Continental AG, Denso Corporation, AISIN Seiki Co., Ltd., Advance Auto Parts, Inc., BorgWarner Inc., Marelli Holdings Co., Ltd., Tesla Aftermarket Parts, Michelin, Bridgestone, Tenneco, Valeo, ZF, Brembo, Goodyear and Akebono Brake Industry. Co.Ltd.

Key Developments:

In December 2025, Denso Corporation announced that it signed a joint development agreement with MediaTek Inc., a leading semiconductor design company, to accelerate the development of next-generation automotive system-on-chips. As automotive systems become increasingly intelligent and spur advancements in autonomous driving and vehicle connectivity, the importance of automotive SoCs as high-performance computing platforms capable of executing complex processing tasks continues to grow.

In October 2025, Valeo and LIDEO have signed a strategic partnership. For the first time, an independent expert network has formed a structured partnership with a global equipment manufacturer. The partnership will launch a training program for LIDEO experts via Valeo Tech Academy, sharing cutting-edge technological knowledge.

In October 2025, Continental AG has reached a deal with former managers that will see their insurance pay damages between 40 million and 50 million euros ($46.7 million-$58.3 million) in connection with the diesel scandal. The deal with insurers, subject to shareholder approval, covers only some of the total damages of 300 million euros.

Part Types Covered:

- Battery Packs & Modules
- Charging Components
- Power Electronics
- Thermal Management Systems
- Suspension & Brake Components
- Interior & Exterior Accessories

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Miscellaneous EV Parts

Vehicle Types Covered:

Passenger EVs

Commercial EVs

Two-wheelers & Micro-mobility EVs

Distribution Channels Covered:

OEM-authorized Service Centers

Independent Aftermarket Suppliers

Online Platforms & E-commerce

Specialty Independent EV Workshops

Regions Covered:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

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- France
- Italy
- Spain
- Netherlands
- Belgium
- Sweden
- Switzerland
- Poland
- Rest of Europe

Asia Pacific

- China
- Japan
- India
- South Korea
- Australia
- Indonesia
- Thailand
- Malaysia
- Singapore

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- Vietnam
- Rest of Asia Pacific

South America

- Brazil
- Argentina
- Colombia
- Chile
- Peru
- Rest of South America

Rest of the World (RoW)

- Middle East
  - Saudi Arabia
  - United Arab Emirates
  - Qatar
  - Israel
  - Rest of Middle East
- Africa
  - South Africa
  - Egypt
  - Morocco

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Rest of Africa

What our report offers:
- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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Contents

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9 STRATEGIC MARKET INTELLIGENCE

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List Of Tables

LIST OF TABLES

Note: Tables for North America, Europe, APAC, South America, and Rest of the World

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(RoW) Regions are also represented in the same manner as above.

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