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Electronic Parking Brake System Market by Type (Cable Pull, Electric-hydraulic Caliper, Brake-by-Wire System), Vehicle Class (A&B, C&D, E&F), Component (ECU, Actuator), Vehicle Type (PC, CV), EV Type, Sales Channel, and Region - Global Forecast to 2032

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Abstracts

The electronic parking brake (EPB) system market is estimated to be USD 2.51 billion in 2025 and is projected to reach USD 4.70 billion by 2032 at a CAGR of 9.4% from 2025 to 2032. The growing adoption of ADAS features such as automated parking assist, autonomous emergency braking, and hill-start assist is driving the EPB market, as the integration of electronic parking brakes with these systems enables seamless electronic control, enhances safety automation, and supports the shift toward higher vehicle autonomy. The adoption of brake-by-wire technology is accelerating as it enables precise electronic control, reduces mechanical complexity, and enhances safety features such as automatic hold and emergency braking.

Additionally, innovations such as lightweight caliper designs, smart diagnostics, and over-the-air software updates are enhancing reliability and reducing maintenance, making EPBs a preferred choice for OEMs. The increasing demand for mid-sized and premium vehicles with higher levels of automation, coupled with regulatory pushes for improved safety and energy efficiency, ensures that advanced EPB technologies continue to expand their market footprint.

“The Entry-level vehicle segment is projected to grow at a higher CAGR during the forecast period.”

The entry-level (A&B) segment is projected to grow at a higher CAGR during the forecast period. In the entry-level segment, the adoption of EPB is being driven by

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OEMs' efforts to offer advanced safety and comfort features to compact cars without significantly raising costs. Manufacturers like Hyundai with the i20, Kia with the Sonet, Volkswagen with the Polo, BYD with the Dolphin, BMW with the 1 Series, Ford with the Focus, and EV models such as the Hyundai Kona Electric and Volkswagen ID.3 have begun introducing EPB in select trims to appeal to young urban buyers who expect modern technology even in affordable cars. The move toward platform standardization, as seen in Renault-Nissan's CMF-A and Hyundai-Kia's K2 platforms, allows EPB modules to be shared across multiple compact models, reducing system cost. In addition, stricter safety regulations in Europe and Asia are compelling OEMs to include EPB in small hatchbacks and entry sedans to comply with requirements for hill-start assist and integration with electronic stability programs. This combination of regulatory push, consumer demand for convenience, and OEM platform-sharing strategies is accelerating EPB penetration in the entry-level class.

"Brake-by-Wire system will grow at a higher CAGR during the forecast period."

The adoption of brake-by-wire (BBW) electronic parking brakes is driven by the automotive sector's push for vehicle production, weight reduction, and integration with advanced driver-assistance systems (ADAS). BBW EPBs eliminate mechanical linkages, enabling faster, more precise braking control and smoother integration with autonomous driving and regenerative braking systems. OEMs are increasingly deploying BBW in premium and electric vehicles to optimize cabin space, reduce component wear, and enhance safety features such as automatic hold and hill-start assist. For instance, in April 2025, Nexteer Automotive launches its Electro-Mechanical Brake system, an advanced Brake-by-Wire (BBW) solution that enhances safety, comfort, serviceability, and supports software-defined chassis integration. The company leveraged its technology building blocks to create a modular, high-precision braking system and strategically expand into "Motion-by-Wire" chassis control. In March 2025, ZF Friedrichshafen and Brembo planned to introduce a brake-by-wire system, replacing traditional hydraulic brakes with electronic components. These systems promise improved safety, faster response times, and reduced maintenance. Such developments are projected to drive the market during the forecast period.

"India is projected to grow at a high CAGR in the Asia Pacific electronic parking brake system market."

India is projected to grow at a high CAGR in the Asia Pacific EPB market as domestic OEMs accelerate the integration of electronic parking brakes into mid-size SUVs and EVs to meet evolving safety norms. The government's Bharat NCAP crash safety

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framework and increasing alignment with global safety standards are compelling automakers like Tata Motors, Mahindra & Mahindra, and Hyundai India to adopt advanced braking technologies beyond conventional systems. Additionally, companies in the region are pursuing strategic development, such as in June 2024, ADVICS signed a joint venture agreement with Brakes India Pvt. Ltd., to produce and localize advanced braking products in India, with production slated for around 2027. Also, in July 2025, ZF Group started the production of its EPB in India, marking the first time this technology is being produced locally for a passenger vehicle. The EPB will be supplied to a passenger car OEM for its newly launched electric vehicle. Further, with the rising demand for connected and feature-rich vehicles among India's expanding middle-class buyers, EPBs are increasingly being offered as standard in premium trims of models like Tata Harrier, Mahindra XUV700, and Hyundai Creta, further strengthening India's position as the fastest-growing market in the region.

Breakup of Primaries:

In-depth interviews were conducted with CEOs, marketing directors, other innovation and technology directors, and executives from various key organizations operating in this market.

By Company Type: OEMs- 41%, Tier I- 35%, and Tier II - 24%

By Designation: CXOs - 60%, Managers - 10%, and Executives- 30%

By Region: Asia Pacific-41%, Europe-34%, North America-25%

The electronic parking brake system market is dominated by major players, including ZF Friedrichshafen AG (Germany), Continental AG (Germany), Astemo, Ltd. (Japan), Brembo N.V. (Italy), and ADVICS Co., Ltd. (Japan).

The study includes an in-depth competitive analysis of these key players in the electronic parking brake system market, with their company profiles, recent developments, and key market strategies.

Research Coverage:

This research report categorizes the electronic parking brake system market by type (cable pull, electric-hydraulic caliper, brake-by-wire system), vehicle class (entry, mid,

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premium), components (ECUs, actuators, switches, others), vehicle type (passenger cars and commercial vehicles), EV Type (BEV, PHEV), sales channel (OEM, Aftermarket), and region (Asia Pacific, Europe, and North America). The scope of the report covers detailed information regarding the major factors, such as drivers, restraints, challenges, and opportunities, influencing the growth of the market. This report covers a detailed analysis of OEMs' strategies toward the adoption of the EPB by key OEMs, strategic insights on the technology maturity of the EPB, and strategic insights on short-to-mid-term barriers to brake-by-wire adoption. Analysis of the key industry players has been done to provide insights into their business overview, solutions & services, key strategies, contracts, partnerships, agreements, new product & service launches, mergers & acquisitions, and recent developments associated with the electronic parking brake system market. Competitive analysis of upcoming startups in the electronic parking brake system market ecosystem has been covered in this report.

Reasons to Buy this Report

The report will help the market leaders/new entrants in this market with information on the OEMs' strategies toward adoption of the EPB, strategic insights on the technology maturity of the EPB, and supplier analysis. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights into the following pointers:

Analysis of key drivers (Increasing demand for advanced safety features, technological advancements in braking systems, increased in vehicle electrification, strict government regulations towards braking system, growing mid- and high-end vehicle sales), restraints (dependence on vehicle electronic architecture, limited aftermarket potential), opportunities (shift toward wire-controlled systems [brake-by-wire], Forming global supplier partnerships to access next-gen actuation technologies, establishing or expanding R&D centers for cost-effective innovation, joint ventures with EV startups and mobility OEMS), and challenges (integration challenges in existing platforms, Limited penetration in low-cost vehicles, lack of localized manufacturing ecosystem) influencing the growth of the electronic parking brake market

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Product Development/Innovation: Detailed insights on upcoming technologies and research & development activities in the electronic parking brake market

Market Development: Comprehensive information about lucrative markets (the report analyses the electronic parking brake system market across varied regions)

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the electronic parking brake market

Competitive Assessment: In-depth assessment of market shares, growth strategies, and product offerings of leading players, ZF Friedrichshafen AG (Germany), Continental AG (Germany), Astemo, Ltd. (Japan), Brembo N.V. (Italy), and ADVICS Co., Ltd. (Japan), among others, in the electronic parking brake market

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