

Automotive Ignition Coil Market accounted for US\$ 10.7 billion in 2022 and is estimated to be US\$ 15.24 billion by 2032 and is anticipated to register a CAGR of 3.6%. Automotive ignition coils are also called spark coils and play a vital role in the efficient and smooth operation of the engine. Automotive ignition coils are coil packs that provide the high voltage required to produce an electric spark in a combustion engine. This process is called 'induction'. The primary role of these components is to convert electrical energy into mechanical work or through electromagnetism into kinetic energy in an internal-combustion engine. The ignition coil is the device that converts the low battery voltage into the high voltage required to discharge an electric spark at the ignition plug. Ignition coils represent the so-called "power plant" of the ignition process in a petrol engine. As part of the ignition system, they have the function of providing the spark plug with the high voltage necessary to generate an ignition spark between the center of the spark plug and the earth electrode and ignite the air-fuel mixture. This system produces the required high voltage, ignition coils use the relationship between electricity and magnetism. When current flows through an electrical conductor such as a coil of wire, a magnetic field is created around the coil. Due to the increasing number of e-commerce activities, the demand for commercial vehicles has increased. Most countries are reopening their international borders and there has been a rise in freight and logistics activities, all these factors are expected to increase the demand for automotive ignition coils.

The report "Global Automotive Ignition Coil Market, By Product Type (Electronic Distributor Coil, Can-type Ignition Coil, Double Spark Coil, Ignition Coil Rail, and Pencil Ignition Coil), By Vehicle Type (Commercial Vehicle and Passenger Vehicle), By Sales Channel (OEMs and Aftermarket) and By Region (North America, Europe, Asia Pacific, Latin America, and Middle East & Africa) - Trends, Analysis and Forecast till 2032 "

Key Highlights:

- **In May 2022, Hitachi Astemo Americas Expands Ignition Coil Line.** Hitachi Astemo Americas, Inc. announced the expansion of its ignition coils lineup. The company now has 276 SKUs available with 260 million vehicles in operation (VIO). Hitachi Astemo manufactures millions of ignition coils each year with durability and long-lasting reliability. Other features include providing consistent voltage output at various load and rpm levels designed for consistent performance in extreme temperatures and humidity.
- **In June 2022, FEV testing found that the transient plasma ignition system increased fuel efficiency and reduced emissions.** Transient Plasma Systems Inc., a leading service provider in FEV, vehicle and propulsion system development and testing, has selected the current Toyota 2.5-liter, direct and port fuel. (TPS) evaluated the performance of a nanosecond pulsed power ignition system (previous post). An injection, inline 4-cylinder gasoline engine is commonly used in the Camry line of vehicles.

Analyst View:

Global automotive ignition coil market innovation is increasing worldwide due to technological advancements in equipment and products that are more efficient to wear and use. The ignition coil converts the battery's low voltage into thousands of volts. By doing so, the coil creates an

electric spark in the spark plug. Here, the plugs ignite the fuel. Increasing sales of automobiles, increasing demand for advanced ignition coils, increasing demand for higher ignition voltage and modern coils are driving the automotive ignition coil market. As a result, market competition is intensifying and both large international corporations and start-ups are striving to establish a position in the market.

Browse 60 market data tables and 35 figures* through 140 slides and in-depth TOC on "Global Automotive Ignition Coil Market, By Product Type (Electronic Distributor Coil, Can-type Ignition Coil, Double Spark Coil, Ignition Coil Rail, and Pencil Ignition Coil), By Vehicle Type (Commercial Vehicle and Passenger Vehicle), By Sales Channel (OEMs and Aftermarket) and By Region (North America, Europe, Asia Pacific, Latin America, and Middle East & Africa) - Trends, Analysis and Forecast till 2032"*

To know the upcoming trends and insights prevalent in this market, click the link below:

https://www.prophecymarketinsights.com/market_insight/Global-Automotive-Ignition-Coil-Market-624

Key Market Insights from the report:

Global Automotive Ignition Coil Market accounted for US\$ 10.7 billion in 2022 and is estimated to be US\$ 15.24 billion by 2032 and is anticipated to register a CAGR of 3.6%. The Global Automotive Ignition Coil Market is segmented based on Product Type, Vehicle Type, Sales Channel and Region.

- **Based on Product Type, Global Automotive Ignition Coil Market is segmented into Electronic Distributor Coil, Can-type Ignition Coil, Double Spark Coil, Ignition Coil Rail, and Pencil Ignition Coil.**
- **Based on Vehicle Type, Global Automotive Ignition Coil Market is segmented into Commercial Vehicle and Passenger Vehicle**
- **Based on Sales Channel, Global Automotive Ignition Coil Market is segmented into OEMs and Aftermarket**
- **By Region, the Global Automotive Ignition Coil Market is segmented into North America, Europe, Asia Pacific, Latin America, and Middle East & Africa.**

Competitive Landscape & their strategies of Global Automotive Ignition Coil Market:

The prominent players operating in the Global Automotive Ignition Coil Market includes, Marshall Electric Corp., Delphi Automotive LLP, BorgWarner Inc., Continental AG, DENSO Corporation, Federal-Mogul Corporation, Hitachi Automotive Systems Americas, Inc., Standard Motor Products, Mitsubishi Electric Corporation, NGK Spark Plug Co., Ltd., The market provides detailed information regarding the industrial base, productivity, strengths, manufacturers, and recent trends which will help companies enlarge the businesses and promote financial growth. Furthermore, the report exhibits dynamic factors including segments, sub-segments, regional marketplaces, competition, dominant key players, and market forecasts. In addition, the market includes recent collaborations, mergers, acquisitions, and partnerships along with regulatory frameworks across different regions impacting the market trajectory. Recent technological advances and innovations influencing the global market are included in the report.