

Automotive Spark & Glow Plugs Market by Vehicle Type (Passenger Car, LCV & HCV), Product Type (Spark Plug-Hot & Cold, Glow Plug-Metal & Ceramic), Engine Cylinder Layout Type, Market (OE & Aftermarket) & Region - Industry Trends & Forecast to 2019

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Abstracts

A gasoline engine cannot run until the air/fuel mixture is ignited. This essential process takes place when an electrical device known as the spark plug generates an electric spark which ignites the mixture. Similarly, in a diesel engine, a glow plug is used for heating up the combustion chamber for ignition. Owing to their thermal range, spark plugs are of two types: hot spark plug and cold spark plug; whereas glow plugs can be differentiated into metal and ceramic glow plugs.

In this report, the automotive spark and glow plugs market is studied in terms of hot and cold spark plugs and metal and ceramic glow plugs. The types of spark and glow plugs are further differentiated on the basis on engine cylinder layout type (L3, L4, L5, L6, H6, V4, V6, V8, & V12). The spark and glow plugs market is also segmented based on aftermarket demand. In terms of regions the report is segmented into Asia-Oceania, North America, Europe, and the Rest of the World. It is also segmented according to vehicle types into passenger cars, light commercial vehicles, and heavy commercial vehicles.

Factors driving the growth of the automotive spark and glow plugs market are the increasing number of vehicles and the introduction of stringent emission norms and environmental regulations. On the other hand, downsizing of engines with respect to reducing the number of cylinders, and the growing trend of electric vehicles are the key



factors restraining the growth of the automotive spark and glow plugs market.

According to our study, the Asia-Oceania region is estimated to dominate the spark plug markets. The major contributors to this market are India and China. China is the largest producer of gasoline passenger cars which justifies the huge demand for spark plugs in this region. In the case of glow plugs, Europe is the largest market in terms of value, as diesel vehicles are prevalent in the European region.

The automotive spark and glow plugs market is characterized by intense competition owing to the presence of a few major players and a large number of local players. New product launches, research and development activities, and supply contracts are the key strategies adopted by market players to ensure their growth in the market. The market is dominated by players such as Denso Corporation (Japan), NGK Spark Plug Co., Ltd. (Japan), BorgWarner Inc. (U.S.), and Robert Bosch GmbH (Germany) among others.



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