

# **India Two-Wheeler Engine Kit Market Assessment, By Vehicle Type [Motorcycle, Scooter, Mopeds], By Distribution Channel [OEMs, Installers, Distributors, Retailers, Others], By Market [Organized, Unorganized], By Region, Opportunities, and Forecast, FY2018-FY2032F**

<https://marketpublishers.com/r/l1DE87AF1463EN.html>

Date: February 2025

Pages: 127

Price: US\$ 3,300.00 (Single User License)

ID: I1DE87AF1463EN

## **Abstracts**

India Two-Wheeler Engine Kit Market is anticipated to reach at USD 7.0 billion in FY2032 at a CAGR of 5.04% for the forecast period between FY2025 and FY2032 and was valued at USD 4.7 billion in FY2024. In India two wheelers are considered as most affordable, cost effective and economic way of transportation. This is reflected in the yearly sales trend as trade of two wheelers is on the higher side as compared to other types of vehicles in India. Additionally, companies are investing in automobile industry and setting manufacturing hub for automotive engine, components and kits that is parallely driving the India Two-Wheeler Engine Kit Market.

Automobile manufacturers are creating new models with a focus on newer internal combustion engine models with enhanced fuel efficiency which reduces the emission of harmful pollutants into the air. For instance, to improve fuel efficiency, companies are investing in 'direct fuel injection' technology in which the direct injection systems spray a fine mist of fuel directly into the cylinder, helping keep the engine's temperature down and increasing fuel efficiency.

Despite a double-digit growth rate, the two-wheeler sales remain low in comparison to what it was pre covid, mainly due to approximately 50% price hike in the entry level segment. As per Society of Indian Automobile Manufacturers, total number of two-wheelers sold in India in FY2023 was recorded at 15.8 million as compared to 13.5

million in FY2022. The export of two wheelers decreased to 3.6 million in FY2023 from 4.4 million in FY2022.

### Rising Emphasis on Sustainable and Eco-Friendly Transportation Solutions

One of the primary drivers of growth in the Indian two-wheeler engine kit market is the rising emphasis on sustainable and eco-friendly transportation solutions. As environmental concerns become more prominent, there is a notable shift towards alternative fuel technologies and improved engine efficiency. This trend is encouraging manufacturers to innovate and develop engine kits that are compatible with cleaner fuels and offer better performance.

A pertinent example of this trend is Honda Motorcycle & Scooter India's launch of the CB300F flex-fuel motorcycle in October 2024. This model is India's first 300cc flex-fuel motorcycle, capable of running on E85 fuel, which is a blend of 85% ethanol and 15% gasoline. The CB300F is powered by a 293.52cc, oil-cooled, single-cylinder engine that delivers 24.5 bhp and 25.9 Nm of torque. It features a 6-speed gearbox with an assist and slipper clutch for smoother gear shifts.

### Rapid Urbanization and Increase in Traffic Congestion

During the projected period, the demand for two-wheeler engine kits is anticipated to be influenced by a number of factors, including rapid urbanisation and city traffic congestion. This is a major reason for the need of repair and maintenance of the two-wheeler engine and the requirement of engine kits. As per the Federation of Automobile Dealers Associations (FADA) data, more than 100 thousand two wheelers were sold in September 2022 which is a 9% increase in total volume as compared to the units sold last year during the same period.

### Innovative Products Boosting Market Growth

Companies are engaging in value chain of the engine components adopting lightweight materials to manufacture camshafts, valve-train components, engine kit. The reduced weight of engine decreases the power requirements for two-wheeler vehicle operation, thereby saving fuel. Furthermore, emergence of 3D printing technology has improved the designing of engine components specially engine kit, which in turn is estimated to propel market expansion during the forecast period.

### Impact of COVID-19 on India Two-Wheeler Engine Kit Market

The COVID-19 caused a production standstill that hampered the two-wheeler engine kit market in India. The two-wheeler engine kit sector has been set by a mix of supply and demand concerns because of the lockdown in nation. Due to a limited access of port infrastructure and restriction on allowed number of workers, many two-wheeler engine kit manufacturing companies were unable to finish their export shipments.

As the pandemic seems to have subsided, Indian economy can be seen in the recovery phase as there is a significant growth in supply & value chain network, upward trend in the demand curve and import & trade in automobile and specifically service industry where two wheelers are heavily used.

### Key Player Landscape and Outlook

Over the past few years, prominent companies such as Hero MotoCorp Ltd. and Bajaj Auto Limited have entered the adventure motorcycle market in response to the increasing appeal of these bikes among Indian youths for various purposes. The adventure motorcycle segment in India has experienced remarkable growth due to the growing demand for versatile motorcycles capable of conquering diverse riding conditions. These motorcycles are specifically designed to excel in both on-road and off-road environments, providing users with versatility, performance, and the capability to handle different terrains.

Consequently, there has been a surge in demand for adventure motorcycle engines that offer an optimal power-to-weight ratio and impressive performance characteristics, prompting manufacturers to introduce engine kits such as Cylinder kits and Spark Plugs designed specifically for these two-wheelers. For example, in 2021, Hero MotoCorp Ltd. unveiled the Hero MotoSports XPulse Rally 200 with a 4-Valve engine specially developed for rally competitions in Goa. This engine is 20% lighter than its predecessor, leading to the separate launch of engine kits tailored for these adventure motorcycle engines.

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\*Companies mentioned above DO NOT hold any order as per market share and can be changed during course of work

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