



## PRESS INFORMATION

November 2016

**GSX  
250R**



Photo: GSX250R ABS

## Introduction

Suzuki is proud to introduce the new GSX250R/ABS as a fully faired street machine that brings the excitement and riding satisfaction of Suzuki's sport bike heritage to a broader audience. Featuring sporty good looks, responsive yet easy-to-control performance, nimble handling, and a comfortable riding position, the GSX250R/ABS is equally at home on the daily commute as it is when touring for long distances.

The new GSX250R/ABS is a perfect choice for a wide range of riders. That includes those who are looking to buy their first sporty street bike, or who are returning to the world of two-wheeled riding pleasure later in life.



Photo: GSX250R ABS

## Product Concept

-The product concept for the GSX250R/ABS is;

**“A sport bike that is equally adept at daily riding and touring”**

Major features of the GSX250R/ABS;

### Performance:

- Engine optimized to maximize low- to mid-range torque
- New intake valve – Optimize airflow into the combustion chamber
- Equipped with IRC RX-01F D and RX-01R tires
- Complies with EURO 4 emission regulations
- Class-leading level of fuel efficiency (32.5km/L \*<sup>1</sup>\*<sup>2</sup>)

### Styling:

- New reverse-lit full-LCD instrument panel
- New surface-emitting LED tail lights
- Turn signals adopt clear lenses
- Petal-type brake discs
- Newly designed 10-spoke wheels

\*1: 4-stroke 2-cylinder 250cm<sup>3</sup> class (As of October 2016)

\*2: Calculated based on the Worldwide Motorcycle Test Cycle (WMTC) mode exhaust emissions measuring conditions. Actual fuel economy and riding range may differ owing to differences in conditions such as the weather, road, rider behavior and maintenance.



Photo: GSX250R ABS

### Engine Performance and Utility

#### -Engine design - outline

The 248cm<sup>3</sup> parallel-twin engine that powers the GSX250R/ABS underwent thorough analysis and optimization to maximize low- to mid-range torque and provide a powerful ride that features ease of control. The overall efficiency achieved also helps realize class-leading level of fuel economy\*<sup>1</sup> and clean performance that satisfies the stringent Euro 4 emission regulations. With a full tank of gasoline, the GSX250R/ABS has a riding range of approximately 480km\*<sup>2</sup>.



|                | GSX250R/ABS                    |
|----------------|--------------------------------|
| Displacement   | 248 cm <sup>3</sup>            |
| Bore x Stroke  | 53.5mm x 55.2mm                |
| Compression    | 11.5 : 1                       |
| Maximum power  | 18.4kW/8,000rpm * <sup>3</sup> |
| Maximum torque | 23.4Nm/6,500rpm * <sup>3</sup> |
| Emission level | Euro 4                         |

\*3: For European spec.

## -Camshaft

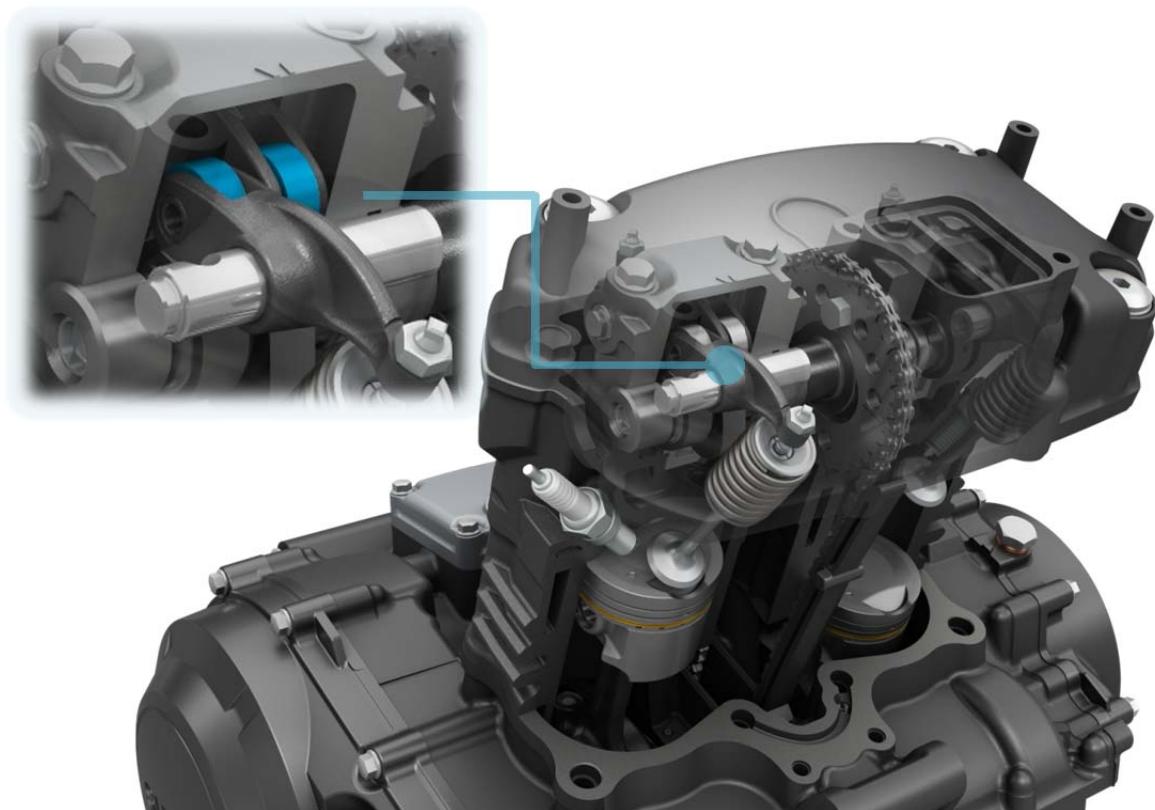
- The cam profile for the GSX250R/ABS delivers maximum acceleration performance at speeds between 20km/h to 90km/h, as this is the range that is used most often. As an additional benefit, the cam profile also suppresses noise generation to deliver a smoother, more pleasant ride.

## -Cylinder

- The honing pattern used for the cylinder barrels maintains lubrication for the pistons in a manner that helps minimize any loss of performance due to friction.

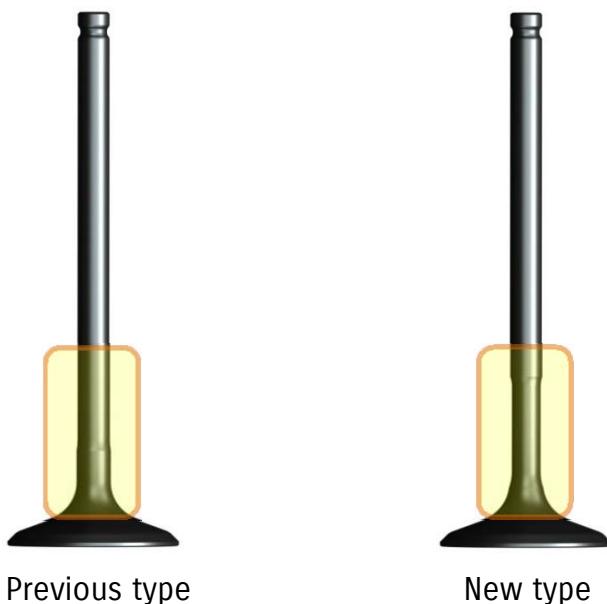
## -Cylinder head

- The cylinder head adopts roller type rocker arms that minimize friction loss.



## -New intake valve design

- The port sections on the intake valves are designed to optimize airflow into the combustion chamber. This helps achieve a high level of thermal efficiency for improved performance and reduced emissions.



## -Piston

- Thin, low tension piston rings were adopted to reduce friction and the shape of the piston ring grooves was also optimized.

## -Spark plug

- Adopting the use of projected tip spark plugs speeds up the rate of combustion. This improves response, especially when the throttle is not open far, and also improves fuel economy.

## -Oil pump

- Optimization of the oil pump reduces friction loss and contributes to an increase in engine output and improvement in fuel economy.

-Highly efficient, lightweight exhaust system



- The two-into-one exhaust system for the GSX250R/ABS features an optimized shape for the chamber in front of the catalyzer.
- This maximizes acceleration performance at mid-range speeds, while the efficiency of the system also reduces exhaust emissions.
- The muffler adopts a shape that contributes to better engine output and torque by reducing power loss. It delivers a pleasing sound while its design also contributes to better cornering.

-Rectifier

- Adopting an open type rectifier contributes to improved fuel economy.

-Multi-function instrument panel



\*All lights and indicators are illuminated in the photo for illustrative purposes. Photo: GSX250R ABS.

- The GSX250R/ABS features a reverse-lit LCD instrument panel.
- The LCD instruments include:
  - Speedometer
  - Tachometer
  - Odometer
  - Dual trip meters
  - Gear position
  - Driving range
  - Average fuel consumption
  - Fuel gauge
  - RPM indicator ON/OFF
  - Oil change timing indicator
  - Clock
- LED indicators include those for the turn signals, high beam, neutral, malfunction, ABS (Only for ABS model), RPM indicator, coolant temperature and oil pressure. The indicators are designed to be easy to recognize.



## Chassis Performance

### -Clip-on handlebars

- The relatively low mounting point of the separate left and right handlebars is sporty, but at the same time designed to provide a comfortable riding position around town or when touring.



### - Front and rear (KYB) suspension with custom settings for the GSX250R/ABS

- Contributes to weight reduction and retains reassuring handling characteristics, while at the same time adding a sportier feel.

### - Independent rider and passenger seats

- The GSX250R/ABS adopts the sporty styling of independent seats for the rider and passenger. Even so, each seat provides plenty of cushioning to make long rides comfortable. The slim design of the fuel tank also helps the rider easily plant their feet on the ground when stopped.



| Dimension   | GSX250R/ABS             |
|-------------|-------------------------|
| Wheelbase   | 1,430 mm                |
| Rake/Trail  | 25° 6' / 104mm (4.1 in) |
| Seat height | 790 mm                  |

-Wheels, tires and brakes



Front wheel



Rear wheel



Petal Type Brake Disc



ABS Unit

- The sporty flair of newly designed 10-spoke wheels pairs with IRC tires that provide a solid grip on the road.
- Stopping power is provided by Petal-type front and rear disc brakes.
- An Antilock Brake System (ABS)<sup>\*4</sup> made by BOSCH is also available<sup>\*5</sup> to deliver yet greater confidence and control.

|            | Size              | Brand        |
|------------|-------------------|--------------|
| Front tire | 110/80-17 M/C 57H | IRC RX-01F D |
| Rear tire  | 140/70-17 M/C 66H | IRC RX-01R   |

\*4: ABS is not designed to shorten the braking distance. ABS cannot prevent wheel skidding caused by braking while cornering. Please drive carefully and do not overly rely on ABS.

\*5: Only equipped on ABS model.

## Styling Design

-Styling design concept

### “The Urban Athlete”

Suzuki's styling designers have successfully created a motorcycle that offers the best of two worlds. On the one hand, it features a sporty and aggressive look with a highly futuristic flair. Examples of this include the face of the front fairing, which takes design cues from Suzuki's sportbike lineup and features a new position lamp design that employs surface-emitting LEDs. On the other hand, it features a comfortable riding position, well-cushioned seat and slim design that make riding in town or touring for long distances equally pleasing.



Image sketch

- Distinctive position lamps and taillight design



- Enhancing the sporty, aggressive look and futuristic flair of the GSX250R/ABS are newly designed surface-emitting LEDs employed by the position lamps up front and the taillight in the rear. Their smooth edge-to-edge illumination and the chevron-like shape that flanks the headlight create a truly distinctive and highly appealing lighting scheme.

## Color Variations



Pearl Nebular Black (YAY)



Pearl Glacier White No.2 (QHW)



Metallic Triton Blue NO.2 (QHV)

Photo: GSX250R ABS

## Specifications

|                             |   |
|-----------------------------|---|
| Overall Length              | 2,085 mm  |
| Overall width               | 740 mm  |
| Overall height              | 1,110 mm  |
| Wheelbase                   | 1,430 mm  |
| Ground clearance            | 160 mm  |
| Seat height                 | 790 mm  |
| Curb mass                   | 181 kg [ABS Model] 178 kg [Non ABS Model]       |
| Engine type                 | Four-stroke, liquid-cooled, SOHC, parallel-twin |
| Bore x stroke               | 53.5 mm x 55.2 mm                               |
| Engine displacement         | 248 cm <sup>3</sup>                             |
| Compression ratio           | 11.5 : 1  |
| Fuel system                 | Fuel injection                                  |
| Starter system              | Electric  |
| Lubrication system          | Wet-sump  |
| Transmission                | 6-speed constant mesh                           |
| Primary drive ratio         | 3.238 (68/21)                                   |
| Final drive ratio           | 3.285 (46/14)                                   |
| Suspension                  | Front Telescopic, coil spring oil damped        |
|                             | Rear Swingarm type, coil spring, oil damped     |
| Rake (Caster angle) / Trail | 25° 6' / 104mm (4.1 in)                         |
| Brakes                      | Front Disc brake                                |
|                             | Rear Disc brake                                 |
| Tires                       | Front 110/80-17M/C 57H tubeless                 |
|                             | Rear 140/55-17M/C 66H tubeless                  |
| Ignition system             | Electronic ignition                             |
| Fuel tank capacity          | 15 L  |
| Oil capacity (Overhaul)     | 2.4 L   |

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