

**2001-2002**

**SUZUKI**

**GSX-R600**

**SERVICE MANUAL**



## FOREWORD

*This manual contains an introductory description on the SUZUKI GSX-R600 and procedures for its inspection/service and overhaul of its main components.*

*Other information considered as generally known is not included.*

*Read the GENERAL INFORMATION section to familiarize yourself with the motorcycle and its maintenance. Use this section as well as other sections to use as a guide for proper inspection and service.*

*This manual will help you know the motorcycle better so that you can assure your customers of fast and reliable service.*

- \* This manual has been prepared on the basis of the latest specifications at the time of publication. If modifications have been made since then, differences may exist between the content of this manual and the actual motorcycle.*
- \* Illustrations in this manual are used to show the basic principles of operation and work procedures. They may not represent the actual motorcycle exactly in detail.*
- \* This manual is written for persons who have enough knowledge, skills and tools, including special tools, for servicing SUZUKI motorcycles. If you do not have the proper knowledge and tools, ask your authorized SUZUKI motorcycle dealer to help you.*

### **▲ WARNING**

**Inexperienced mechanics or mechanics without the proper tools and equipment may not be able to properly perform the services described in this manual. Improper repair may result in injury to the mechanic and may render the motorcycle unsafe for the rider and passenger.**

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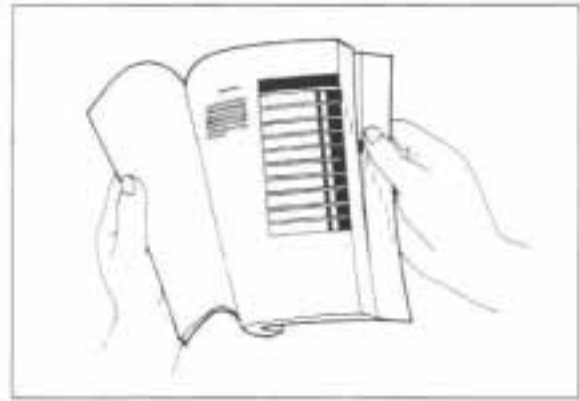
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**SUZUKI MOTOR CORPORATION**

*Motorcycle Service Department*

## HOW TO USE THIS MANUAL TO LOCATE WHAT YOU ARE LOOKING FOR:

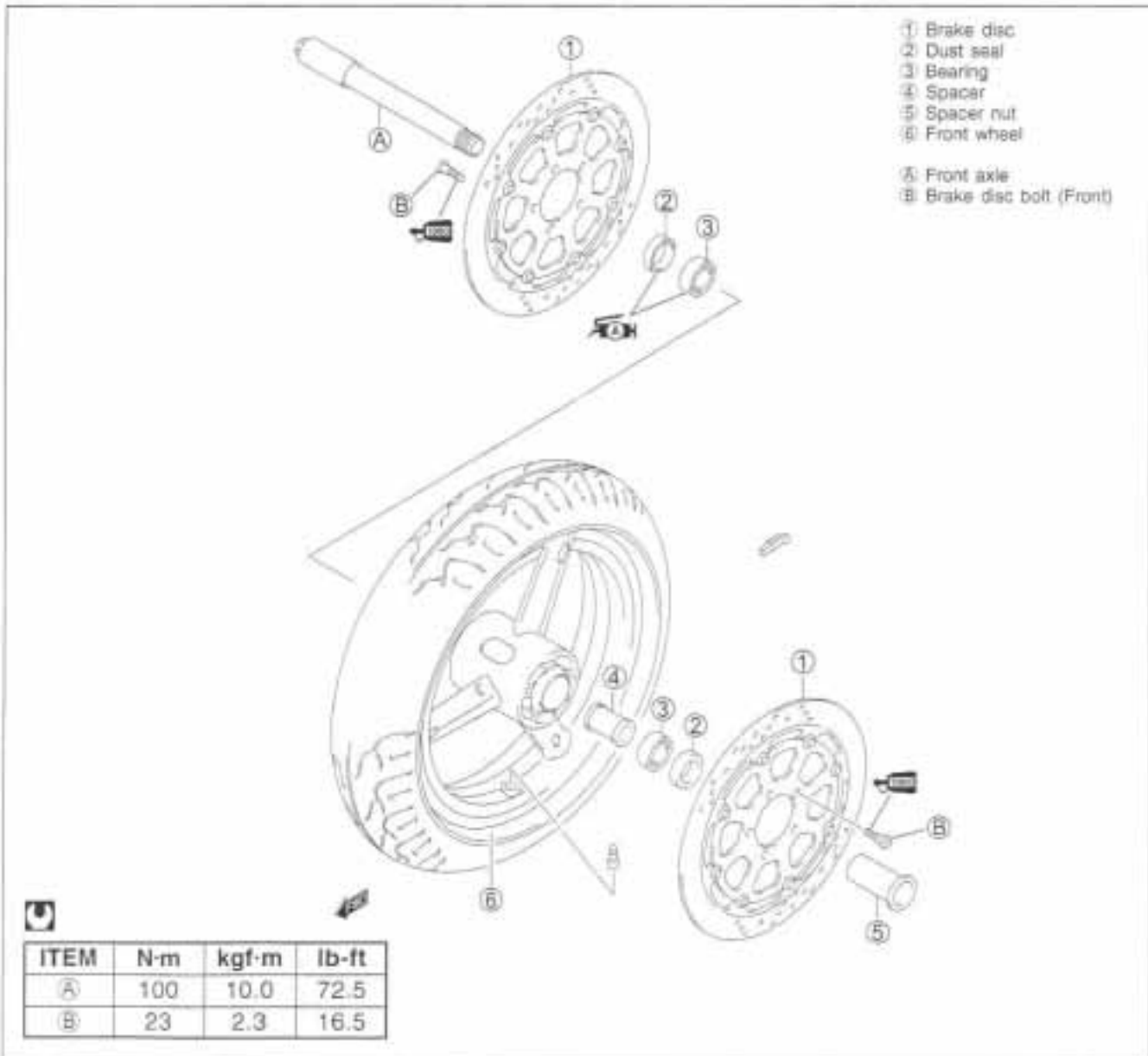
1. The text of this manual is divided into sections.
2. The section titles are listed in the GROUP INDEX.
3. Holding the manual as shown at the right will allow you to find the first page of the section easily.
4. The contents are listed on the first page of each section to help find the item and page you need.



## COMPONENT PARTS AND WORK TO BE DONE















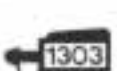





Under the name of each system or unit, is its exploded view. Work instructions and other service information such as the tightening torque, lubricating points and locking agent points, are provided.

Example: Front wheel



## SYMBOL

Listed in the table below are the symbols indicating instructions and other information necessary for servicing. The meaning of each symbol is also included in the table.

| SYMBOL  | DEFINITION  | SYMBOL  | DEFINITION  |
|---|---|---|---|
|    | Torque control required.<br>Data beside it indicates specified torque.                            |    | Apply THREAD LOCK SUPER "1360".<br>99000-32130        |
|    | Apply oil. Use engine oil unless otherwise specified.   |    | Use engine coolant.<br>99000-99032-11X                |
|    | Apply molybdenum oil solution.<br>(Mixture of engine oil and SUZUKI MOLY PASTE in a ratio of 1:1) |    | Use fork oil.<br>99000-99001-SS8<br>(99000-99044-10G) |
|    | Apply SUZUKI SUPER GREASE "A".<br>99000-25010   |    | Apply or use brake fluid.                             |
|    | Apply SUZUKI MOLY PASTE.<br>99000-25140   |    | Measure in voltage range.                             |
|  | Apply SUZUKI BOND "1207B".<br>99000-31140   |  | Measure in current range.                             |
|  | Apply SUZUKI BOND "1215".<br>99000-31110  |  | Measure in diode test range.                          |
|  | Apply THREAD LOCK SUPER "1303".<br>99000-32030  |  | Measure in continuity test range.                     |
|  | Apply THREAD LOCK SUPER "1322".<br>99000-32110  |  | Use special tool.                                     |
|  | Apply THREAD LOCK "1342".<br>99000-32050  |  | Indication of service data.                           |

## ABBREVIATIONS MAY BE USED IN THIS MANUAL

|              |   |               |  |
|--------------|---|---------------|--|
| <b>A</b>     |   | <b>E</b>      |  |
| ABDC         | : After Bottom Dead Center                        | ECM           | : Engine Control Module  |
| AC           | : Alternating Current                             |               | Engine Control Unit (ECU)<br>(FI Control Unit)                             |
| ACL          | : Air Cleaner, Air Cleaner Box                    | ECT Sensor    | : Engine Coolant Temperature<br>Sensor (ECTS), Water Temp.<br>Sensor (WTS) |
| API          | : American Petroleum Institute                    | EVAP          | : Evaporative Emission   |
| ATDC         | : After Top Dead Center                           | EVAP Canister | : Evaporative Emission<br>Canister (Canister)                              |
| ATM Pressure | : Atmospheric Pressure                            |               |  |
|              | Atmospheric Pressure<br>Sensor (APS, AP Sensor)   |               |  |
| A/F          | : Air Fuel Mixture                                |               |  |
| <b>B</b>     |   | <b>F</b>      |  |
| BBDC         | : Before Bottom Dead Center                       | FI            | : Fuel Injection, Fuel Injector  |
| BTDC         | : Before Top Dead Center                          | FP            | : Fuel Pump  |
| B+           | : Battery Positive Voltage                        | FPR           | : Fuel Pressure Regulator  |
|              |   | FP Relay      | : Fuel Pump Relay  |
| <b>C</b>     |   | <b>G</b>      |  |
| CKP Sensor   | : Crankshaft Position Sensor<br>(CKPS)            | GEN           | : Generator  |
| CKT          | : Circuit   | GND           | : Ground   |
| CLP Switch   | : Clutch Lever Position Switch<br>(Clutch Switch) | GP Switch     | : Gear Position Switch   |
| CMP Sensor   | : Camshaft Position Sensor<br>(CMPS)              |               |  |
| CO           | : Carbon Monoxide                                 |               |  |
| CPU          | : Central Processing Unit                         |               |  |
| <b>D</b>     |   | <b>H</b>      |  |
| DC           | : Direct Current                                  | HC            | : Hydrocarbons   |
| DMC          | : Dealer Mode Coupler                             |               |  |
| DOHC         | : Double Over Head Camshaft                       |               |  |
| DRL          | : Daytime Running Light                           |               |  |
|              |   | <b>I</b>      |  |
|              |   | IAP Sensor    | : Intake Air Pressure<br>Sensor (IAPS)                                     |
|              |   | IAT Sensor    | : Intake Air Temperature<br>Sensor (IATS)                                  |
|              |   | IG            | : Ignition   |
|              |   | <b>L</b>      |  |
|              |   | LCD           | : Liquid Crystal Display   |
|              |   | LED           | : Light Emitting Diode<br>(Malfunction Indicator Lamp)                     |
|              |   | LH            | : Left Hand  |

## M

|          |   |
|----------|---|
| MAL-Code | : Malfunction Code<br>(Diagnostic Code) |
| Max      | : Maximum                               |
| MIL      | : Malfunction Indicator Lamp<br>(LED)   |
| Min      | : Minimum                               |

## N

|     |                   |
|-----|-------------------|
| NOx | : Nitrogen Oxides |
|-----|-------------------|

## O

|     |                       |
|-----|-----------------------|
| OHC | : Over Head Camshaft  |
| OPS | : Oil Pressure Switch |

## P

|     |  |
|-----|--|
| PCV | : Positive Crankcase Ventilation<br>(Crankcase Breather) |
|-----|--|

## R

|     |                    |
|-----|--------------------|
| RH  | : Right Hand       |
| ROM | : Read Only Memory |

## S

|              |  |
|--------------|--|
| SAE          | : Society of Automotive<br>Engineers           |
| STC System   | : Secondary Throttle Control System<br>(STCS)  |
| STC Unit     | : Secondary Throttle Control Unit<br>(STCU)    |
| STP Sensor   | : Secondary Throttle Position Sensor<br>(STPS) |
| ST Valve     | : Secondary Throttle Valve (STV)               |
| STV Actuator | : Secondary Throttle Valve Actuator<br>(STVA)  |

## T

|           |                                     |
|-----------|-------------------------------------|
| TO Sensor | : Tip Over Sensor (TOS)             |
| TP Sensor | : Throttle Position Sensor<br>(TPS) |



**GENERAL INFORMATION****1****CONTENTS**

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## WARNING/CAUTION/NOTE

Please read this manual and follow its instructions carefully. To emphasize special information, the symbol and the words WARNING, CAUTION and NOTE have special meanings. Pay special attention to the messages highlighted by these signal words.

### **▲ WARNING**

Indicates a potential hazard that could result in death or injury.

### **▲ CAUTION**

Indicates a potential hazard that could result in motorcycle damage.

### *NOTE:*

*Indicates special information to make maintenance easier or instructions clearer.*

Please note, however, that the warnings and cautions contained in this manual cannot possibly cover all potential hazards relating to the servicing, or lack of servicing, of the motorcycle. In addition to the WARNINGS and CAUTIONS stated, you must use good judgement and basic mechanical safety principles. If you are unsure about how to perform a particular service operation, ask a more experienced mechanic for advice.

## GENERAL PRECAUTIONS

### **▲ WARNING**

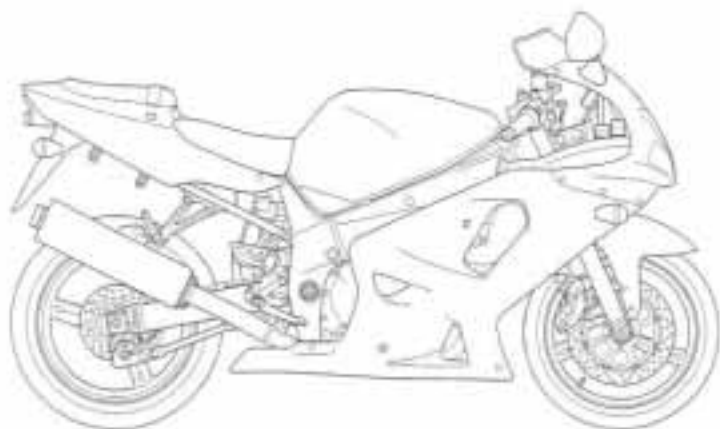
- \* Proper service and repair procedures are important for the safety of the service mechanic and the safety and reliability of the motorcycle.
- \* When 2 or more persons work together, pay attention to the safety of each other.
- \* When it is necessary to run the engine indoors, make sure that exhaust gas is forced outdoors.
- \* When working with toxic or flammable materials, make sure that the area you work in is well-ventilated and that you follow all of the material manufacturer's instructions.
- \* Never use gasoline as a cleaning solvent.
- \* To avoid getting burned, do not touch the engine, engine oil, radiator and exhaust system until they have cooled.
- \* After servicing the fuel, oil, engine coolant, exhaust or brake systems, check all lines and fittings related to the system for leaks.

**▲ CAUTION**

- \* If parts replacement is necessary, replace the parts with Suzuki Genuine Parts or their equivalent.
- \* When removing parts that are to be reused, keep them arranged in an orderly manner so that they may be reinstalled in the proper order.
- \* Be sure to use special tools when instructed.
- \* Make sure that all parts used in reassembly are clean. Lubricate them when specified.
- \* Use the specified lubricant, bond, or sealant.
- \* When removing the battery, disconnect the negative cable first and then the positive cable.
- \* When reconnecting the battery, connect the positive cable first and then the negative cable, and cover the positive terminal with the terminal cover.
- \* When performing service to electrical parts, disconnect the battery negative cable unless the service procedure requires the battery power.
- \* When tightening cylinder head and crankcase bolts and nuts, tighten the larger sizes first. Always tighten the bolts and nuts diagonally from the inside working out and to the specified tightening torque.
- \* Whenever you remove oil seals, gaskets, packing, O-rings, locking washers, self-locking nuts, cotter pins, circlips, and certain other parts as specified, be sure to replace them with new ones. Also, before installing these new parts, be sure to remove any left over material from the mating surfaces.
- \* Never reuse a circlip. When installing a new circlip, take care not to expand the end gap larger than required to slip the circlip over the shaft. After installing a circlip, always ensure that it is completely seated in its groove and securely fitted.
- \* Use a torque wrench to tighten fasteners to the specified torque. Wipe off grease and oil if a thread is smeared with them.
- \* After reassembling, check parts for tightness and proper operation.

- \* To protect the environment, do not unlawfully dispose of used motor oil, engine coolant and other fluids: batteries, and tires.
- \* To protect the earth's natural resources, properly dispose of used motorcycles and parts.

## SUZUKI GSX-R600K1 (2001-MODEL)



RIGHT SIDE



LEFT SIDE

\* Difference between photograph and actual motorcycle depends on the markets.

### SERIAL NUMBER LOCATION

The frame serial number or V.I.N. (Vehicle Identification Number) **A** is stamped on the right side of the steering head pipe. The engine serial number **B** is located on the rear side of the crankcase. These numbers are required especially for registering the machine and ordering spare parts.



## FUEL, OIL AND ENGINE COOLANT RECOMMENDATION

### FUEL (FOR USA AND CANADA)

Use only unleaded gasoline of at least 87 pump octane ( $\frac{R+M}{2}$ ) or 91 octane or higher rated by the research method. Gasoline containing MTBE (Methyl Tertiary Butyl Ether), less than 10% ethanol, or less than 5% methanol with appropriate cosolvents and corrosion inhibitor is permissible.

### FUEL (FOR THE OTHER COUNTRIES)

Gasoline used should be graded 91 octane (Research Method) or higher. An unleaded gasoline is recommended.

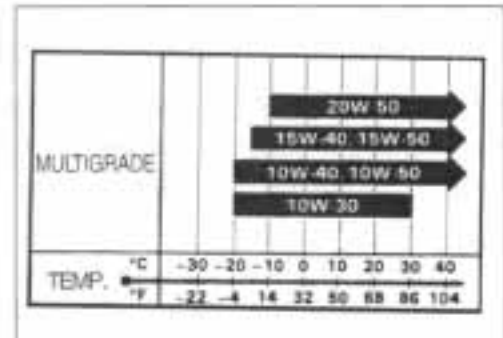
### ENGINE OIL (For U.S.A. model)

SUZUKI recommends the use of SUZUKI PERFORMANCE 4 MOTOR OIL or an oil which is rated SF or SG under the API (American Petroleum Institute) service classification. The recommended viscosity is SAE 10W/40. If an SAE 10W/40 oil is not available, select an alternative according to the right chart.

### ENGINE OIL (For the other models)

Use a premium quality 4-stroke motor oil to ensure longer service life of your motorcycle. Use only oils which are rated SF or SG under the API service classification.

The recommended viscosity is SAE 10W-40. If an SAE 10W-40 motor oil is not available, select an alternative according to the following chart.



### BRAKE FLUID

Use DOT4 brake fluid.

#### **▲ WARNING**

Since the brake system of this motorcycle is filled with a glycol-based brake fluid by the manufacturer, do not use or mix different types of fluid such as silicone-based and petroleum-based fluid for refilling the system, otherwise serious damage will result.

Do not use any brake fluid taken from old or used or unsealed containers.

Never re-use brake fluid left over from a previous servicing, which has been stored for a long period.

### FRONT FORK OIL

Use fork oil SS-8 (#10) or an equivalent fork oil.

## ENGINE COOLANT

Use an anti-freeze/engine coolant compatible with an aluminum radiator, mixed with distilled water only.

## WATER FOR MIXING

Use distilled water only. Water other than distilled water can corrode and clog the aluminum radiator.

## ANTI-FREEZE/ENGINE COOLANT

The engine coolant perform as a corrosion and rust inhabit as well as anti-freeze. Therefore, the engine coolant should be used at all times even though the atmospheric temperature in your area does not go down to freezing point.

Suzuki recommends the use of SUZUKI COOLANT anti-freeze/engine coolant. If this is not available, use an equivalent which is compatible with an aluminum radiator.

## LIQUID AMOUNT OF WATER/ENGINE COOLANT

**Solution capacity (total): 2 400 ml (2.5/2.1 US/Imp qt)**

For engine coolant mixture information, refer to cooling system section. (☞ 5-2)

### ▲ CAUTION

Mixing of anti-freeze/engine coolant should be limited to 60%. Mixing beyond it would reduce its efficiency. If the anti-freeze/engine coolant mixing ratio is below 50%, rust inhabiting performance is greatly reduced. Be sure to mix it above 50% even though the atmospheric temperature does not go down to the freezing point.

## BREAK-IN PROCEDURES

During manufacture only the best possible materials are used and all machined parts are finished to a very high standard but it is still necessary to allow the moving parts to "BREAK-IN" before subjecting the engine to maximum stresses. The future performance and reliability of the engine depends on the care and restraint exercised during its early life. The general rules are as follows.

- Keep to these break-in procedures:

**Initial 800 km ( 500 miles): Below 7 000 r/min**

**Up to 1 600 km (1 000 miles): Below 10 500 r/min**

**Over to 1 600 km (1 000 miles): Below 14 000 r/min**

- Upon reaching an odometer reading of 1 600 km (1 000 miles) you can subject the motorcycle to full throttle operation. However, do not exceed 14 000 r/min at any time.

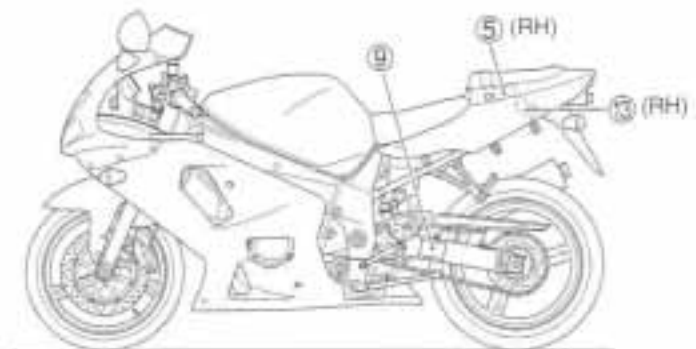
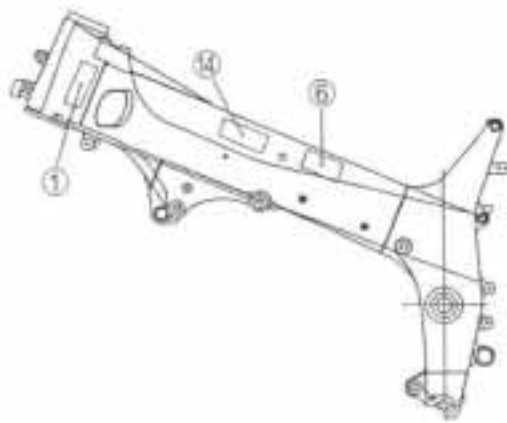
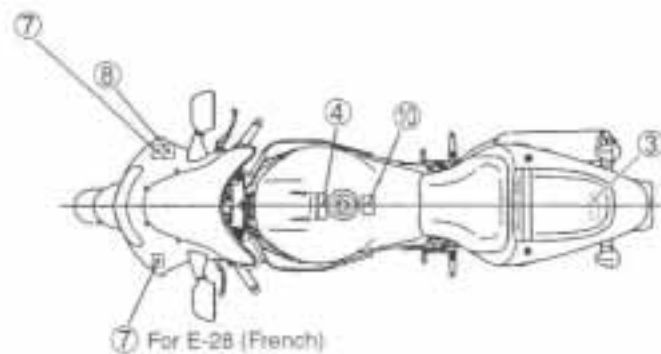
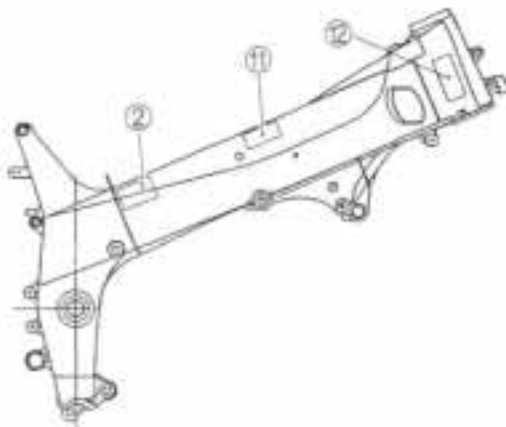
## CYLINDER IDENTIFICATION

The four cylinders of this engine are identified as No.1, No.2, No.3 and No.4 cylinder, as counted from left to right (as viewed by the rider on the seat).



## INFORMATION LABELS

|                             | GSX-R600           | GSX-R600UD | GSX-R600UF |
|-----------------------------|--------------------|------------|------------|
| ① Noise label               | ○ For E-03, 24, 33 |            |            |
| ② Information label         | ○ For E-03, 28, 33 |            |            |
| ③ Vacuum hose routing label | ○ For E-33         |            |            |
| ④ Fuel caution label        | ○ For E-02, 24     |            |            |
| ⑤ Manual notice label       | ○ For E-03, 33     |            |            |
| ⑥ Frame caution label       | ○                  | ○          | ○          |
| ⑦ Screen warning label      | ○                  | ○          | ○          |
| ⑧ Steering warning label    | ○                  | ○          | ○          |
| ⑨ Tire pressure label       | ○                  | ○          | ○          |
| ⑩ Warning safety label      | ○                  | ○          | ○          |
| ⑪ ICES Canada label         | ○ For E-28         |            |            |
| ⑫ ID plate                  | ○ For E-02, 19, 24 | ○          | ○          |
| ⑬ E-19 ID label             |                    |            | ○          |
| ⑭ Safety plate              | ○ For E-03, 28, 33 |            |            |



## SPECIFICATIONS

### DIMENSIONS AND DRY MASS

|                        |  |
|------------------------|--|
| Overall length .....   | 2 040 mm (80.3 in)   |
| Overall width .....    | 715 mm (28.1 in)   |
| Overall height .....   | 1 135 mm (44.7 in)   |
| Wheelbase .....        | 1 410 mm (55.5 in)   |
| Ground clearance ..... | 130 mm (5.1 in)  |
| Seat height .....      | 830 mm (32.7 in)   |
| Dry mass .....         | 163 kg (359 lbs) ..... For E-33<br>164 kg (361 lbs) ..... For the others |

### ENGINE

|                           |                                   |
|---------------------------|-----------------------------------|
| Type .....                | Four-stroke, Liquid-cooled, DOHC  |
| Number of cylinders ..... | 4                                 |
| Valve clearance IN .....  | 0.10 – 0.20 mm (0.004 – 0.008 in) |
| EX .....                  | 0.20 – 0.30 mm (0.008 – 0.012 in) |
| Bore .....                | 67.0 mm (2.638 in)                |
| Stroke .....              | 42.5 mm (1.673 in)                |
| Piston displacement ..... | 599 cm <sup>3</sup> (36.5 cu. in) |
| Compression ratio .....   | 12.2 : 1                          |
| Fuel system .....         | Fuel injection                    |
| Air cleaner .....         | Non-woven fabric element          |
| Starter system .....      | Electric                          |
| Lubrication system .....  | Wet sump                          |

### TRANSMISSION

|                               |                        |
|-------------------------------|------------------------|
| Clutch .....                  | Wet multi-plate type   |
| Transmission .....            | 6-speed, constant mesh |
| Gearshift pattern .....       | 1-down, 5-up           |
| Primary reduction ratio ..... | 1.926 (79/41)          |
| Gear ratios, Low .....        | 2.785 (39/14)          |
| 2nd .....                     | 2.000 (32/16)          |
| 3rd .....                     | 1.600 (32/20)          |
| 4th .....                     | 1.363 (30/20)          |
| 5th .....                     | 1.208 (29/24)          |
| Top .....                     | 1.086 (25/23)          |
| Final reduction ratio .....   | 2.812 (45/16)          |
| Drive system .....            | RK 525SMOZ6, 110 links |

**CHASSIS**

|                        |   |
|------------------------|---|
| Front suspension ..... | Telescopic, coil spring, oil damped, spring pre-load fully adjustable, rebound and compression damping force fully adjustable.              |
| Rear suspension .....  | Link type, oil damped, coil spring, spring pre-load fully adjustable, rebound damping force and compression damping force fully adjustable. |
| Caster .....           | 24°   |
| Trail .....            | 96 mm (3.8 in)  |
| Steering angle .....   | 29° (right & left)  |
| Turning radius .....   | 3.2 m (10.5 ft)   |
| Front brake .....      | Disc brake, twin  |
| Rear brake .....       | Disc brake  |
| Front tire size .....  | 120/70 ZR17 (58 W), tubeless  |
| Rear tire size .....   | 180/55 ZR17 (73 W), tubeless  |

**ELECTRICAL**

|  |   |
|--|---|
| Ignition type .....  | Electronic ignition (Transistorized)            |
| Ignition timing .....                                      | 4° B.T.D.C. at 1 300 r/min                      |
| Spark plug .....   | NGK CR9E, DENSO U27ESR-N                        |
| Battery .....  | 12V 36.0 kC(8 Ah)/10HR                          |
| Generator .....  | Three-phase A.C. Generator                      |
| Main fuse .....  | 30A   |
| Fuse .....   | 15/15/15/15/10/10A                              |
| Headlight .....  | 12V 55+55/55W (H7)                              |
| Position light .....                                       | 12V 5W ..... Except for E-03, 24, 28, 33 models |
| Turn signal light .....                                    | 12V 21W   |
| Brake light/Tailight .....                                 | 12V 21/5W × 2                                   |
| Neutral indicator light .....                              | LED   |
| High beam indicator light .....                            | LED   |
| Turn signal indicator light .....                          | LED   |
| Fuel injection warning light .....                         | LED   |
| FI/Oil pressure/Engine coolant temp. indicator light ..... | LED   |

**CAPACITIES**

|                                    |                              |
|------------------------------------|------------------------------|
| Fuel tank, including reserve ..... | 18 L (4.8/4.0 US/imp gal)    |
| Engine oil, oil change .....       | 2 800 ml (3.0/2.5 US/imp qt) |
| with filter change .....           | 3 100 ml (3.3/2.7 US/imp qt) |
| overhaul .....                     | 3 400 ml (3.6/3.0 US/imp qt) |
| Coolant .....                      | 2 400 ml (3.2/2.6 US/imp qt) |
| Front fork oil (each leg) .....    | 528 ml (17.8/18.6 US/imp oz) |

These specifications are subject to change without notice.



## COUNTRY AND AREA CODES

The following codes stand for the applicable country(-ies) and area(-s).

| MODEL      | CODE | COUNTRY or AREA             |
|------------|------|-----------------------------|
| GSX-R600   | E-02 | U.K.                        |
|            | E-03 | USA (Except for California) |
|            | E-19 | EU                          |
|            | E-24 | Australia                   |
|            | E-28 | Canada                      |
|            | E-33 | California (USA)            |
| GSX-R600UD | E-19 | EU                          |
| GSX-R600UF | E-19 | EU                          |

# PERIODIC MAINTENANCE

**2**

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## PERIODIC MAINTENANCE SCHEDULE

The chart below lists the recommended intervals for all the required periodic service work necessary to keep the motorcycle operating at peak performance and economy. Maintenance intervals are expressed in terms of kilometer, miles and months, and are dependant on whichever comes first.

### NOTES:

More frequent servicing may be performed on motorcycles that are used under severe conditions.

### PERIODIC MAINTENANCE CHART

| Item   | Interval | km  | 1 000 | 6 000 | 12 000 | 18 000 | 24 000 |
|--|----------|---|-------|-------|--------|--------|--------|
|  |          | miles   | 600   | 4 000 | 7 500  | 11 000 | 15 000 |
|  |          | months  | 1     | 6     | 12     | 18     | 24     |
| Air cleaner element                                |          | -   | I     | I     | R      | I      |        |
| Spark plugs  |          | -   | I     | R     | I      | R      |        |
| Valve clearance                                    |          | -   | -     | -     | -      | I      |        |
| Engine oil   |          | R   | R     | R     | R      | R      |        |
| Engine oil filter                                  |          | R   | -     | -     | R      | -      |        |
| Fuel line  |          | -   | I     | I     | I      | I      |        |
|  |          | Replace fuel hose every 4 years.                |       |       |        |        |        |
| Idle speed   |          | I   | I     | I     | I      | I      |        |
| Throttle valve synchronization                     |          | I<br>(E-33 only)                                | -     | I     | -      | I      |        |
| Evaporative emission control system<br>(E-33 only) |          | -   | -     | I     | -      | I      |        |
|  |          | Replace vapor hose every 4 years.               |       |       |        |        |        |
| PAIR (air supply) system                           |          | -   | -     | I     | -      | I      |        |
| Throttle cable play                                |          | I   | I     | I     | I      | I      |        |
| Clutch   |          | -   | I     | I     | I      | I      |        |
| Radiator hoses                                     |          | -   | I     | I     | I      | I      |        |
| Engine coolant                                     |          | Replace every 2 years.                          |       |       |        |        |        |
| Drive chain  |          | I   | I     | I     | I      | I      |        |
|  |          | Clean and lubricate every 1 000 km (600 miles). |       |       |        |        |        |
| Brakes   |          | I   | I     | I     | I      | I      |        |
| Brake hoses  |          | -   | I     | I     | I      | I      |        |
|  |          | Replace every 4 years.                          |       |       |        |        |        |
| Brake fluid  |          | -   | I     | I     | I      | I      |        |
|  |          | Replace every 2 years.                          |       |       |        |        |        |
| Tires  |          | -   | I     | I     | I      | I      |        |
| Steering   |          | I   | -     | I     | -      | I      |        |
| Front forks  |          | -   | -     | I     | -      | I      |        |
| Rear suspension                                    |          | -   | -     | I     | -      | I      |        |
| Exhaust pipe bolts and muffler bolt and nut        |          | T   | -     | T     | -      | T      |        |
| Chassis bolts and nuts                             |          | T   | T     | T     | T      | T      |        |

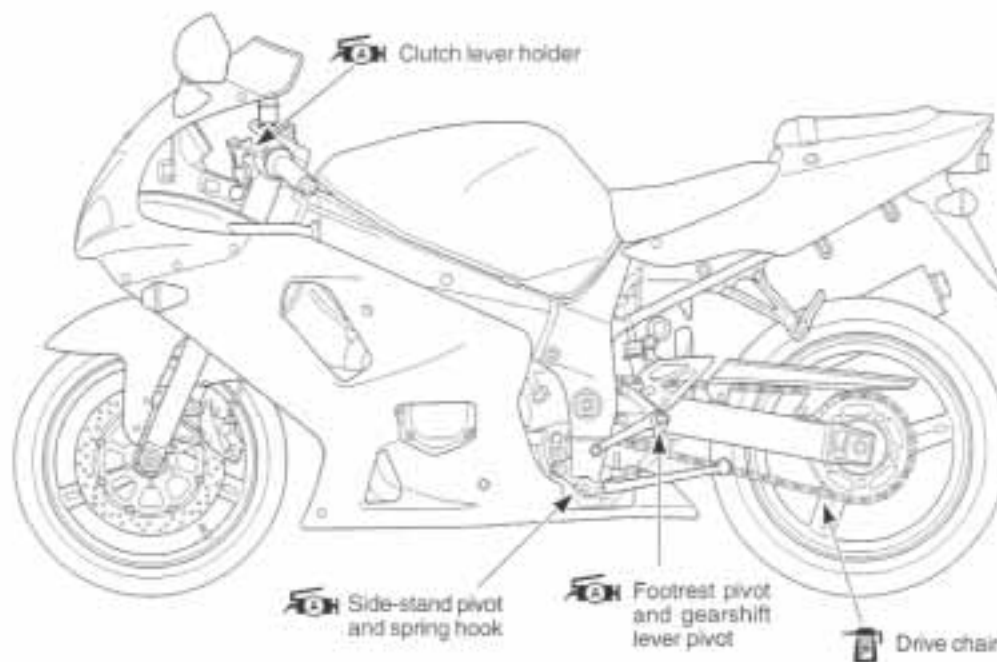
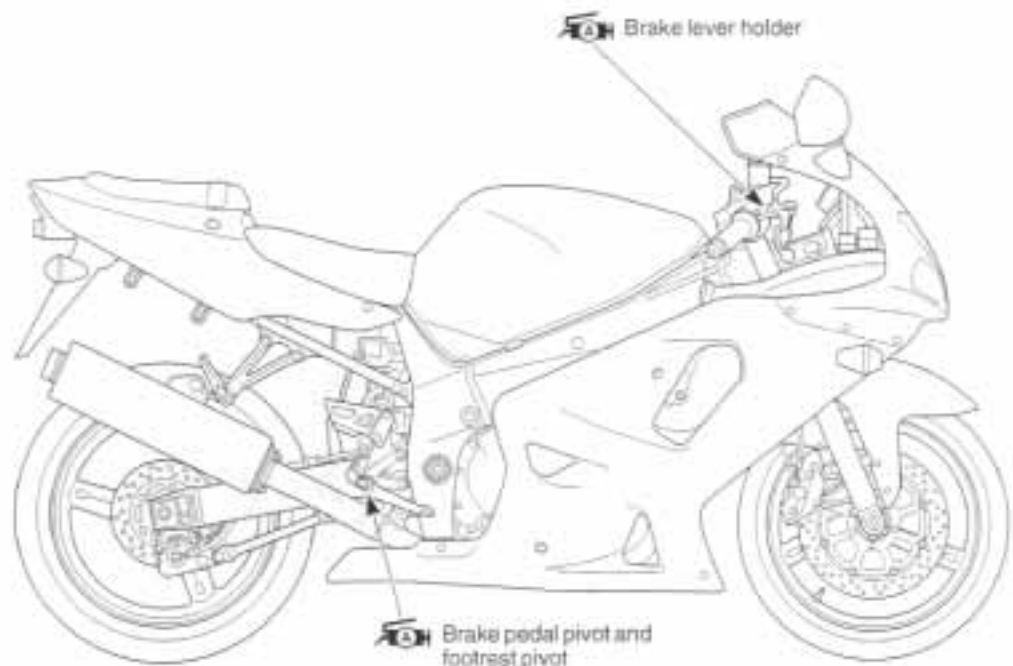
I = Inspect and adjust, clean, lubricate or replace as necessary.

R = Replace

T = Tighten

## LUBRICATION POINTS

Proper lubrication is important for smooth operation and long life of each working part of the motorcycle. Major lubrication points are indicated below.



### NOTE:

- \* Before lubricating each part, clean off any rusty spots and wipe off any grease, oil, dirt or grime.
- \* Lubricate exposed parts which are subject to rust, with a rust preventative spray, especially whenever the motorcycle has been operated under wet or rainy conditions.