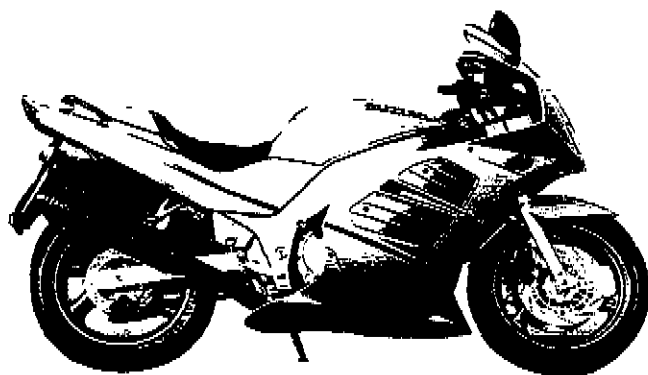
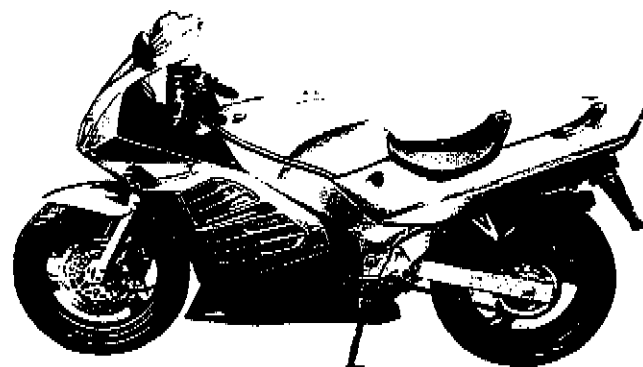


GENERAL INFORMATION

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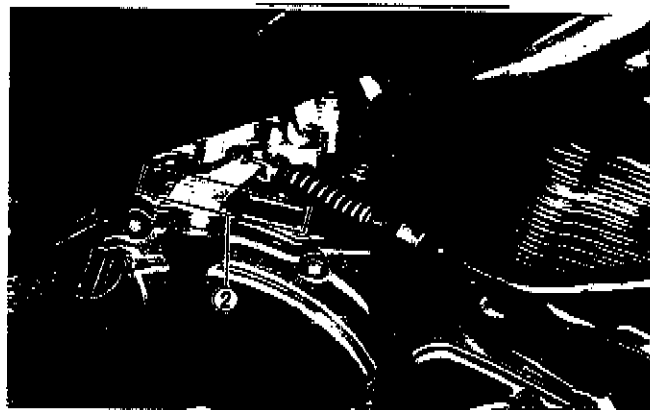
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1-1 GENERAL INFORMATION**SUZUKI RF600RR ('94-MODEL)****RIGHT SIDE****LEFT SIDE**

*Difference between photographs and actual motorcycles depends on the markets.

SERIAL NUMBER LOCATION

The frame serial number or V.I.N. (Vehicle Identification Number) ① is stamped on the right side of the steering head pipe. The engine serial number ② is located on the right side of the crankcase. These numbers are required especially for registering the machine and ordering spare parts.

**FUEL, OIL AND ENGINE COOLANT RECOMMENDATIONS****FUEL**

1. Use only unleaded gasoline of at least 87 pump octane ($\frac{R+M}{2}$) method or 91 octane or higher rated by the research method.
2. Suzuki recommends that customers use alcohol free, unleaded gasoline whenever possible.
3. Use of blended gasoline containing MTBE (Methyl Tertiary Butyl Ether) is permitted.
4. Use of blended gasoline/alcohol fuel is permitted provided that it contains not more than 10% ethanol. Gasoline/alcohol fuel may contain up to 5% methanol if appropriate cosolvents and corrosion inhibitors are present.
5. If the performance of the vehicle is unsatisfactory while using blended gasoline/alcohol fuel, you should switch to alcohol free unleaded gasoline.
6. Failure to follow these guideline could possibly void applicable warranty coverage. Check with you fuel supplier to be sure that the fuel you intend to use meets the requirements listed above.

1-3 GENERAL INFORMATION

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 engine speed limits:

Initial 800 km (500 miles): Below 7000 r/min

Up to 1600 km (1000 miles): Below 10000 r/min

Over 1600 km (1000 miles): Below 13500 r/min


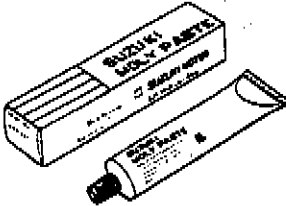
- Upon reaching an odometer reading of 1600 km (1000 miles) you can subject the motorcycle to full throttle operation. However, do not exceed 13500 r/min at any time.

CYLINDER IDENTIFICATION

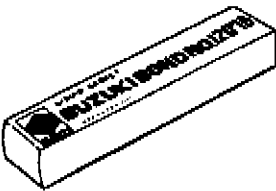


The four cylinders of this engine are identified as No.1, No.2, No.3 and No.4 cylinder, as counted from left to right (as viewed by the rider on the seat).

SPECIAL MATERIALS



The materials listed below are needed for maintenance work on the RF600R, and should be kept on hand for ready use. They supplement such standard materials as cleaning fluids, lubricants, emery cloth and the like. How to use them and where to use them are described in the text of this manual.

MATERIAL	PART	PAGE
 <p data-bbox="199 991 550 1052">SUZUKI SUPER GREASE "A" 99000-25030</p>	<ul style="list-style-type: none"> • Brake pedal pivot • Footrest pivot • Gearshift lever pivot • Side-stand pivot and spring hook • Driveshaft oil seal • Generator O-ring • Starter motor O-ring • Water pump O-ring • Starter motor oil seal • Wheel bearing • Speedometer gear box dust seal • Steering stem bearing and dust seal • Swingarm spacer, washer, bearing and dust seal • Cushion lever/rod bearing • Water pump oil seal • Sprocket mounting drum bearing and oil seal 	<p>2- 2</p> <p>2- 2</p> <p>2- 2</p> <p>2- 2</p> <p>3-42</p> <p>3-57</p> <p>3-57</p> <p>3-56</p> <p>6-17</p> <p>7-9, 44</p> <p>7-10</p> <p>7-32</p> <p>7-51</p> <p>7-52</p> <p>5-13</p> <p>7-45</p>
 <p data-bbox="199 1420 470 1481">SUZUKI MOLY PASTE 99000-25140</p>	<ul style="list-style-type: none"> • Valve stem • Conrod big end bearing • Countershaft and driveshaft • Piston pin • Crankshaft journal bearing • Camshaft journal and cam face • Starter motor armature end 	<p>3-26</p> <p>3-36</p> <p>3-42</p> <p>3-58</p> <p>3-49</p> <p>3-60</p> <p>6-17</p>

1-5 GENERAL INFORMATION

MATERIAL	PART	PAGE
 <p>SUZUKI BOND NO.1207B 99104-31140</p>	<ul style="list-style-type: none"> • Oil pressure switch • Mating surface of upper and lower crankcases • Mating surface of clutch cover • Signal generator lead wire grommet • Mating surface of starter clutch cover • Mating surface of signal generator cover • Camshaft end cap and head cover groove • Water pump mechanical seal 	<p>3-51 3-49 3-54 3-55 3-56 3-64 3-64 5-13</p>
 <p>THREAD LOCK SUPER "1303" 99000-32030</p>	<ul style="list-style-type: none"> • Cam sprocket bolt • Cam chain guide screw and bolt • Starter clutch bolt • Gearshift arm stopper bolt 	<p>3-29 3-30 3-46 3-51</p>
 <p>THREAD LOCK "1342" 99000-32050</p>	<ul style="list-style-type: none"> • Starter motor housing bolt • Front fork damper rod bolt • Countershaft bearing retainer screw • Gearshift cam guide screw and pawl lifter screw and nut • Carburetor set plate screw • Generator bearing retainer screw • Oil pump mounting bolt • Gearshift cam stopper bolt • Gearshift cam stopper plate bolt • Engine sprocket cover bolt • Throttle valve screw • Front fork damper rod bolt 	<p>6-17 7-27 3-51 3-51 4-11 6- 7 3-47 3-20 3-47 3- 6 4-14 7-27</p>

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MATERIAL	PART	PAGE
 <p data-bbox="196 569 561 621">THREAD LOCK SUPER "1360" 99000-32130</p>	<ul style="list-style-type: none"> <li data-bbox="778 217 1093 243">• Brake disc mounting bolt 	<p data-bbox="1425 217 1513 243">7-9, 47</p>
 <p data-bbox="196 998 475 1020">SUZUKI FORK OIL #10</p>	<ul style="list-style-type: none"> <li data-bbox="778 645 917 671">• Front fork 	<p data-bbox="1425 645 1497 671">7-28</p>

1-7 GENERAL INFORMATION

PRECAUTIONS AND GENERAL INSTRUCTIONS

Observe the following items without fail when disassembling and reassembling motorcycles.

- Do not run engine indoors with little or no ventilation.
- Be sure to replace packing, gaskets, circlips, O-rings and cotter pins with new ones.

CAUTION:

Never reuse a circlip. After a circlip has been removed from a shaft, it should be discarded and a new circlip must be installed.

When installing a new circlip, care must be taken not to expand the end gap larger than required to slip the circlip over the shaft.

After installing a circlip, always insure that it is completely seated in its groove and securely fitted.

- Tighten cylinder head and case bolts and nuts beginning with larger diameter and engine with smaller diameter, and from inside to out-side diagonally, to the specified tightening torque.
- Use special tools where specified.
- Use genuine parts and recommended oils.
- When 2 or more persons work together, pay attention to safety of each other.
- After the reassembly, check parts for tightness and operation.
- Treat gasoline, which is extremely flammable and highly explosive, with greatest care. Never use gasoline as cleaning solvent.

Warning, Caution and Note are included in this manual occasionally, describing the following contents.

WARNING The personal safety of the rider may be involved. Disregarding this information could result in injury to the rider.

CAUTION These instructions point out special service procedures or precautions that must be followed to avoid damaging the machine.

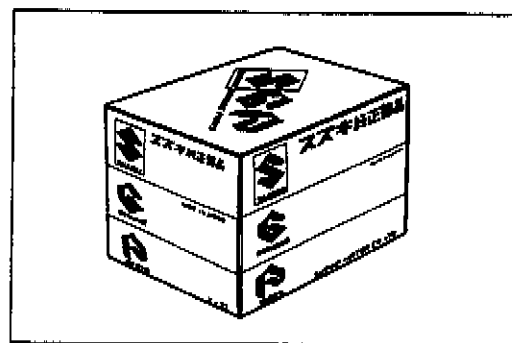
NOTE This provides special information to make maintenance easier or important instructions clearer.

REPLACEMENT PARTS

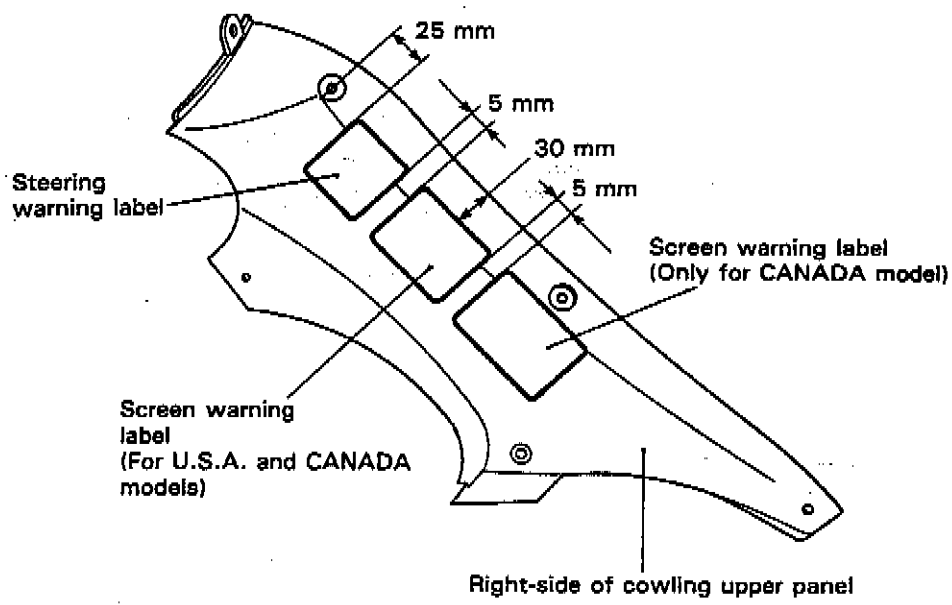
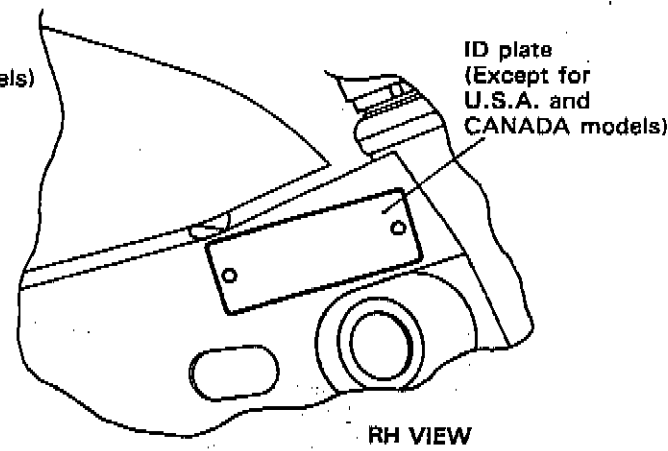
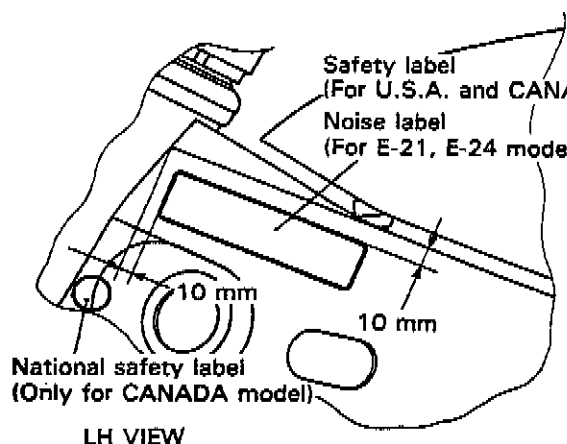
When you replace any parts, use only genuine SUZUKI replacement parts, or their equivalent. Genuine SUZUKI parts are high quality parts which are designed and built specifically for SUZUKI vehicles.

CAUTION:

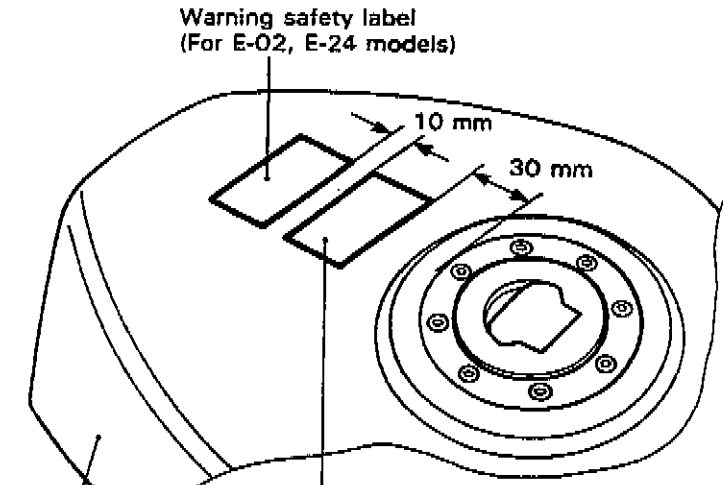
Use of replacement parts which are not equivalent in quality to genuine SUZUKI parts can lead to performance problems and damage.



INFORMATION LABELS



1-9 GENERAL INFORMATION



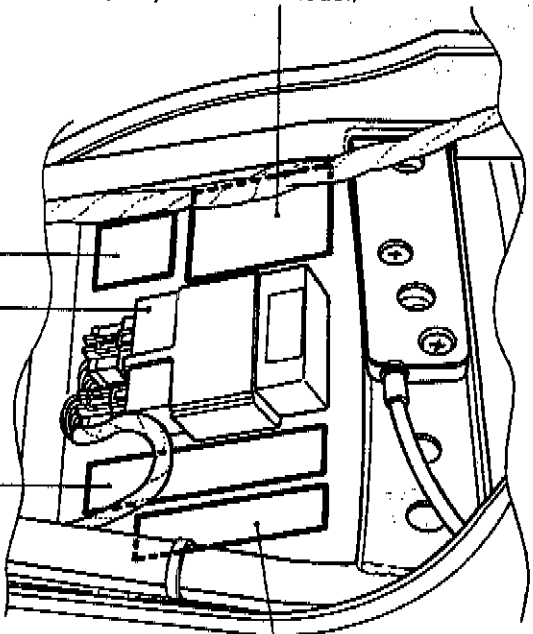
Fuel caution information
(For E-02, E-24 models)
Warning safety label
(Except for E-02, E-24 models)

Vacuum hose routing diagram
(Only for Calif. model)

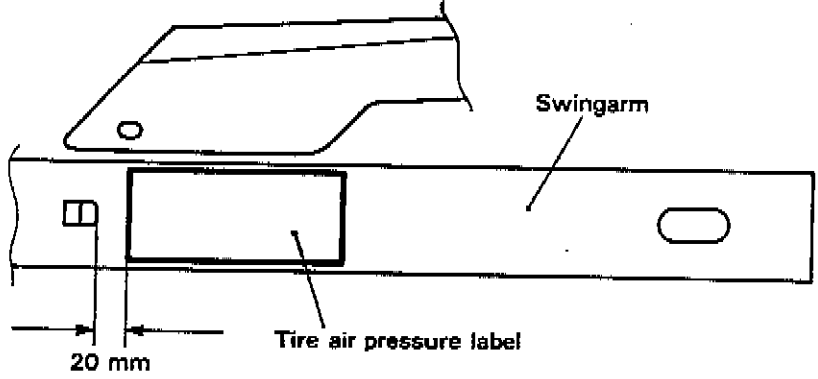
Battery caution label

Ignitor unit

Information label
(For U.S.A. model)



Noise label
(For U.S.A. model)



SPECIFICATIONS

DIMENSIONS AND DRY MASS

Overall length	2 110 mm (83.1 in)
Overall width	710 mm (28.0 in)
Overall height	1 175 mm (46.3 in)
Wheelbase	1 430 mm (56.3 in)
Ground clearance	120 mm (4.7 in)
Dry mass	195 kg (429 lbs) ... For E-03 model
	198 kg (436 lbs) ... For E-33 model

ENGINE

Type	Four-stroke, Water-cooled, DOHC, TSCC
Number of cylinders	4
Bore	65.0 mm (2.559 in)
Stroke	45.2 mm (1.780 in)
Piston displacement	599 cm ³ (36.5 cu. in)
Carburetor	MIKUNI BDST33 For E-33 model
	MIKUNI BDST36 For E-03 model
Air cleaner	Non-woven fabric element
Starter system	Electric starter
Lubrication system	Wet sump

TRANSMISSION

Clutch	Wet multi-plate type
Transmission	6-speed constant mesh
Gearshift pattern	1-down, 5-up
Primary reduction ratio	1.744 (75/43)
Final reduction ratio	3.071 (43/14)
Gear ratios, Low	3.142 (44/14)
2nd	2.058 (35/17)
3rd	1.650 (33/20)
4th	1.428 (30/21)
5th	1.260 (29/23)
Top	1.120 (28/25)
Drive chain	RK50GSVZ1, 108 links or DID 50VA7, 108 links

1-11 GENERAL INFORMATION**CHASSIS**

Front suspension	Telescopic, coil spring, oil damped, spring pre-load adjustable.
Rear suspension	Link type system, oil damped, coil spring, spring pre-load adjustable and rebound damping force adjustable.
Steering angle	30° (right & left)
Caster	65°
Trail	103 mm (4.1 in)
Turning radius	3.2 m (10.5 ft)
Front brake	Disc brake, twin
Rear brake	Disc brake
Front tire size	120/70 ZR17, tubeless
Rear tire size	160/60 ZR17, tubeless
Front fork stroke	120 mm (4.7 in)
Rear wheel travel	130 mm (5.1 in)

ELECTRICAL

Ignition type	Electronic Ignition (Fully Transistorized)
Ignition timing	4° B.T.D.C. at 1500 r/min For E-33 model 7° B.T.D.C. at 1500 r/min For E-03 model
Spark plug	N.G.K.: CR9E, NIPPONDENSO U27ESR-N
Battery	12V 28.8 kC (8 Ah)/10 HR
Generator	Three-phase A.C. Generator
Main fuse	30A
Fuse	15/15/15/10/10A
Headlight	12V 60/55W
Turn signal light	12V 21W
Taillight	12V 5W
Brake light	12V 21W x 2
License plate light	12V 5W
Speedometer light	12V 1.7W x 2
Tachometer light	12V 1.7W x 2
Engine coolant temp. meter light	12V 1.7W
Neutral indicator light	12V 3.4W
High beam indicator light	12V 3.4W
Turn signal indicator light	12V 3.4W
Oil pressure indicator light	12V 3.4W

CAPACITIES

Fuel tank, including reserve	17.0 L (4.5/3.7 US/Imp gal) ... For E-03 model 16.0 L (4.2/3.5 US/Imp gal) ... For E-33 model
Engine oil, oil change	3 000 ml (3.2/2.6 US/Imp qt)
with filter change	3 300 ml (3.5/2.9 US/Imp qt)
overhaul	3 900 ml (4.1/3.4 US/Imp qt)
Front fork oil	503 ml (17.0/17.7 US/Imp oz)
Coolant	2 450 ml (2.6/2.2 US/Imp qt)

These specifications are subject to change without notice.

COUNTRY OR AREA

The series of symbols on the left stand for the countries or area on the right.

SYMBOL	COUNTRY or AREA
E-02	England
E-03	U.S.A.
E-33	California (U.S.A.)
E-04	France
E-15	Finland
E-16	Norway
E-17	Sweden
E-18	Switzerland
E-21	Belgium
E-22	Germany
E-24	Australia
E-25	Netherlands
E-28	Canada
E-34	Italy
E-53	Spain