

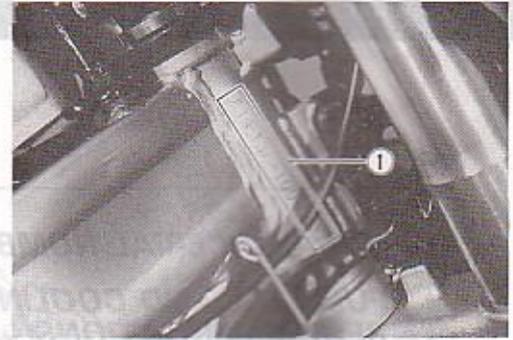
GENERAL INFORMATION

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VIN AND SERIAL NUMBER LOCATIONS

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



FUEL, OIL AND COOLING SOLUTION RECOMMENDATIONS

FUEL

For Finland and Switzerland

Use only unleaded gasoline of graded 85 – 95 octane or higher.

For the others

Gasoline used should be graded 85–95 octane or higher.

An unleaded gasoline is recommended.

ENGINE OIL

Use SUZUKI "CCI" oil or SUZUKI CCI Super oil. They are formulated to give best engine performance with least combustion chamber deposits, least preignition, maximum spark plug life and best lubrication. If they are not available, a good quality TWO-STROKE OIL (non-diluent type) should be used.

TRANSMISSION OIL

Use a good quality SAE 10W/40 multi-grade motor oil.

FRONT FORK OIL

Use fork oil # 10.

99000-99044-10G : SUZUKI FORK OIL # 10

BRAKE FLUID

Specification and classification : DOT 4

99000-23110 : SUZUKI BRAKE FLUID

COOLING SOLUTION

Use an anti-freeze & Summer coolant compatible with aluminum radiator, mixed with distilled water only, at ratio of 50 : 50.

WATER FOR MIXING

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

ANTI-FREEZE & SUMMER COOLANT

The coolant performs as corrosion and rust inhibitor as well as anti-freeze. Therefore, the 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 GOLDEN CRUISER 1200NA anti-freeze & summer coolant. If this is not available, use an equivalent which is compatible with aluminum radiator.

99000-99032-10X : SUZUKI GOLDEN CRUISER 1200NA
(Non-Amine type)

REQUIRED AMOUNT OF WATER/COOLANT

Solution capacity (total) : 1 050 ml (0.9 Imp qt)

CAUTION:

Mixing of anti-freeze & summer coolant should be limited to 60%. Mixing beyond it would reduce its efficiency. If the anti-freeze & summer coolant mixing ratio is below 30%, rust inhibiting performance is greatly reduced. Be sure to mix it above 30% even though the atmospheric temperature does not go down to freezing point.

BREAKING-IN PROCEDURES

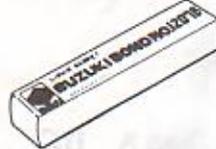
During manufacture only the best possible materials are used and all machined parts are finished to a very high standard, but it is still necessary to allow the moving parts to "BREAK-IN" before subjecting the engine to maximum stresses. The future performance and reliability of the engine depends on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

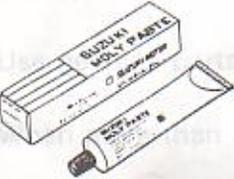
- Keep to these breaking-in engine speed limits.
- Initial 800 km (500 miles) : Below 6 000 r/min
 Up to 1 600 km (1 000 miles) : Below 9 000 r/min
 Over 1 600 km (1 000 miles) : Below 12 500 r/min



SPECIAL MATERIALS

The materials listed below are needed for maintenance work on the RG125F, and should be kept on hand for ready use. They supplement such standard materials as cleaning fluids, lubrications, 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	Part	Page
 <p>SUZUKI SUPER GREASE "A" 99000-25010</p>	<ul style="list-style-type: none"> ● Throttle grip ● Clutch lever ● Speedometer cable ● Speedometer gear box ● Brake pedal shaft ● Side stand ● Crankcase oil seal ● Starter motor oil seal 	<p>2- 2 2- 2 2- 2 2- 2 7- 5 2- 2 2- 2 3-27 6-10</p>	<ul style="list-style-type: none"> ● Wheel bearings ● Front fork oil seal ● Steering stem bearing ● Swingarm bearing and dust seal ● Cushion lever and rod bearing 	<p>2- 2 7- 5 7-30 7-22 7-28 7-29 7-38 7-43 7-38 7-43</p>
 <p>SUZUKI BOND No. 1207B 99000-31140</p>	<ul style="list-style-type: none"> ● Water pump mechanical seal 	<p>4- 8</p>		
 <p>SUZUKI BOND No. 1215 99000-31110</p>	<ul style="list-style-type: none"> ● Crankcase mating surface ● Water thermo-gauge ● Exhaust valve holder stud bolt 	<p>3-31 4- 9</p>		
 <p>THREAD LOCK SUPER "1322" 99000-32110</p>	<ul style="list-style-type: none"> ● Engine sprocket bolt ● Exhaust pulley bolt ● Exhaust valve arm screw ● 2nd drive gear 	<p>3- 5 3- 5 3-18 3-26</p>		
 <p>THREAD LOCK SUPER "1303" 99000-32030</p>	<ul style="list-style-type: none"> ● Starter clutch bolt ● Gearshift arm stopper 	<p>3-22 3-33</p>		
 <p>THREAD LOCK SUPER "1324" 99000-32120</p>	<ul style="list-style-type: none"> ● Magneto rotor nut 	<p>3-37</p>		

Material	Part	Page	Part	Page
 <p>THREAD LOCK SUPER "1360" 99000-32020</p>	<ul style="list-style-type: none"> • Disc bolt 	<p>7- 5 7-30</p>		
 <p>THREAD LOCK "1342" 99000-32050</p>	<ul style="list-style-type: none"> • Bearing retainer screw • Gearshift retainer screw and bolt • Pawel lifter nut and cam guide screw • Cam driven gear bolt 	<p>3-31 3-33 3-33 3-33</p>		
 <p>SUZUKI MOLY PAST 99000-25140</p>	<ul style="list-style-type: none"> • Starter motor armature end 	<p>6-10</p>		
 <p>SUZUKI SILICONE GREASE 99000-25100</p>	<ul style="list-style-type: none"> • Caliper axle 	<p>7-33</p>		
 <p>SUZUKI BRAKE FLUID 99000-23110 (0.5L)</p>	<ul style="list-style-type: none"> • Brakes 	<p>1- 1 2-10</p>		
 <p>SUZUKI GOLDEN CRUISER 1200NA (Non-Amine type) 99000-99032-10X</p>	<ul style="list-style-type: none"> • Cooling solution 	<p>1- 2</p>		

Material	Part	Page	Part	Page
 <p>SUZUKI FORK OIL # 10 99000-99044-10G</p>	<ul style="list-style-type: none"> • Front fork 	<p>1- 1 7-23</p>		<p>2</p>
 <p>SUZUKI SILICONE GREASE 9000-92100</p>	<ul style="list-style-type: none"> • Caliper axle 	<p>3-3 3-3 3-3 3-3</p>	 <p>SUZUKI MOLYL FAST 9900-92140</p>	<p>8-1</p>
 <p>THREAD LOCK SUPER 9900-92130</p>	<ul style="list-style-type: none"> • Cam drive gear bolt • Gearshift retainer screw and bolt • Lower link nut and cam/guide screw • Cam drive gear bolt 	<p>8-1</p>	 <p>SUZUKI BRAKE FLUID 9900-93110 0.5L</p>	<p>3-31 3-33 3-33 3-33</p>
 <p>THREAD LOCK SUPER 9900-92130</p>	<ul style="list-style-type: none"> • Starter clutch bolt • Gearshift arm stopper 	<p>1-1 3-10</p>	 <p>SUZUKI GOLDEN CRUISER 1500MA (Non-Amine type) 9900-99033-10X</p>	<p>1-2</p>

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 packings, 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 ending with smaller diameter, and from inside to outside diagonally, to the specified tightening torque.
 - Use special tools where specified.
 - Use genuine parts and recommended oils.
 - When more than 2 persons perform work together, pay attention to the 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 or bystanders may be involved. Disregarding this information could result in personal injury.*

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

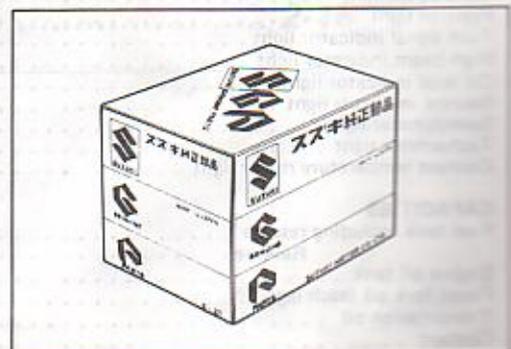
NOTE..... *This provides special information to make maintenance easier or important instructions clearer.*

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.



SPECIFICATIONS

DIMENSIONS AND DRY MASS

Overall length	2 065 mm (81.3 in) E15, 17, 18
	2 005 mm (78.9 in) Others
Overall width	720 mm (28.3 in)
Overall height	1 090 mm (42.9 in)
Wheelbase	1 335 mm (52.6 in)
Ground clearance	140 mm (5.5 in)
Seat height	775 mm (30.5 in)
Dry mass	125 kg (275 lbs)

ENGINE

Type	Two-stroke, water-cooled
Intake system	Reed valve
Number of cylinder	1
Bore	56.0 mm (2.205 in)
Stroke	50.6 mm (1.992 in)
Piston displacement	124 cm ³ (7.57 cu. in)
Corrected compression ratio	7.5 : 1 E01, 15
	9.4 : 1 E02, 04, 17, 18
Carburetor	MIKUNI TM32, single E15, 18
	MIKUNI TM30, single Others
Air cleaner	Polyurethane foam element
Starter system	Primary kick
Lubrication system	SUZUKI "CCI"

TRANSMISSION

Clutch	Wet multi-plate type
Transmission	6-speed constant mesh
Gearshift pattern	1-down, 5-up
Primary reduction	3.350 (67/20)
	3.133 (47/15) E15, 18
	2.937 (47/16) Others
Final reduction	2.636 (29/11)
Gear ratios, Low	1.857 (26/14)
2nd	1.333 (20/15)
3rd	1.095 (23/21)
4th	0.916 (22/24)
5th	0.833 (20/24)
Top	DAIDO D.I.D. 428 VCA, TAKASAGO RJ428HO, 130 links
Drive chain	

CHASSIS

Front suspension	Telescopic, coil spring, oil damped
Rear suspension	Swingarm, coil spring, oil damped
Steering angle	30° (right & left)
Caster	64° 30'
Trail	97 mm (3.8 in)
Turning radius	3.0 m (9.8 ft)
Front brake	Disc brake
Rear brake	Disc brake
Front tire size	100/80-17 52S
Rear tire size	120/80-17 61S
Front fork stroke	116 mm (4.5 in)
Rear wheel travel	118 mm (4.6 in)

ELECTRICAL

Ignition type	SUZUKI "PEI"
Ignition timing	18° BTDC at 1400 rpm E15, 18
	14° BTDC at 1400 rpm Others
Spark plug	NGK BR9ECM or NIPPON DENSO W27EMR-C
Battery	12V 14.4kC (4 Ah)/10 HR
Fuse	15A
Headlight	12V 60/55W
Tail/Brake light	12V 5/21W
Turn signal light	12V 21W
Position light	12V 4W
Turn signal indicator light	12V 3.4W
High beam indicator light	12V 1.7W
Oil level indicator light	12V 3.4W
Neutral indicator light	12V 3.4W
Speedometer light	12V 1.7W
Tachometer light	12V 3W
Coolant temperature meter light	12V 3.4W

CAPACITIES

Fuel tank including reserve	14.5 L (3.2 Imp gal)
Reserve	3.0 L (0.7 Imp gal)
Engine oil tank	1.2 L (1.1 Imp qt)
Front fork oil (each leg)	367 ml (12.9 Imp oz)
Transmission oil	1050 ml (0.9 Imp qt)
Coolant	1050 ml (0.9 Imp qt)

These specifications are subject to change without notice.

NOTE:

E02...U.K. E04... France E15... Finland E17...Sweden E18...Switzerland