CLYMER

## This Suzuki Motorcycle Manual is 536 pages.

#### **QUICK REFERENCE DATA**

# **CHAPTER ONE / GENERAL INFORMATION**

Manual organization / Notes, cautions and warnings / Safety first / Service hints / Special tips / Torque specifications / Fasteners / Lubricants / Expendable supplies / Parts replacement / Serial numbers /Basic hand tools / Tune-up and troubleshooting tools / Mechanics tips / Riding safety / Specifications

#### CHAPTER TWO / TROUBLESHOOTING

Operating requirements / Emergency troubleshooting / Engine starting / Engine performance

# CHAPTER THREE / LUBRICANTS, MAINTENANCE AND TUNE-UP

Routine checks / Pre-checks / Service intervals / Tires and wheels / Battery / Periodic lubrication / Engine oil and filter change / Front fork oil change / Drive chain lubrication / Control cable lubrication / Periodic maintenance / Drive chain inspection and adjustment / Drive chain slider service / Clutch adjustment (GSX-R750 Limited adjustment) / Air filter element / Fuel shut off filter and valve / Valve clearance / Tune-up / Cylinder head and cylinder nuts and bolt torque / Valve clearance measurement and adjustment / Compression test / Spark plugs / Carburetor idle speed adjustment / Carburetor idle mixture / Air filter / Specifications

#### **CHAPTER FOUR / ENIGNE**

Engine principles / Engine cooling / Servicing engine in frame / Engine removal/installation / Cylinder head cover / Camshafts / Camshaft chain tensioner / Rocker arm assemblies / Cylinder head / Valves and valve components / Cylinder block / Pistons, piston pins and piston rings / Oil pump / Oil cooler / Oil pan and oil pressure regulator / Crankcase / Crankshaft / Break-in / 800 km (500-mile) service / Specifications

## **CHAPTER FIVE / CLUTCH**

Clutch-dry type (GSX-R750R limited edition) / Clutch-wet type (GSX-R750, GSX-R1100) / Clutch hydraulic system (wet-type clutch) / Bleeding the system / Specifications

## CHAPTER SIX / TRANSMISSION AND GEARSHIFT MECHANISMS

External gearshift mechanism / 6-speed transmission (750 cc engines) / Internal gearshift mechanism / Specifications

## CHAPTER SEVEN / FUEL, EMISSION CONTROL AND EXHAUST SYSTEMS

Carburetor operation / Carburetor service / Carburetor assembly / Carburetor / Carburetor separation / Carburetor adjustments / Throttle cable replacement / Air filter air case / Fuel tank / Fuel filter / Gasoline/alcohol blend test / Crankcase breather system (U.S. only) / Evaporative emission control system / Exhaust system / Specifications

## **CHAPTER EIGHT / ELECTRICAL SYSTEM**

Charging system / Alternator / Transistorized ignition / Electric starter / Starter solenoid / Lighting system / Switches / Relays (1100 cc models) / Wiring diagrams / Specifications

## CHAPTER NINE / FRONT SUSPENSION AND STEERING

Front wheel / Wheel inspection / Front hub / Wheels / Tire changing / Tire repairs / Handlebar / Steering head and stem / Steering head bearing races / Steering damper (GSX-R1100) / Front fork / Specifications

## **CHAPTER TEN / REAR SUSPENSION**

Rear wheel / Caliper bracket / Rear hub / Driven sprocket and drum / Drive chain / Swing arm / Full floater rear suspension system / Shock absorber / Shock absorber lever / Shock absorber lever bearing replacement / Specifications

#### **CHAPTER ELEVEN / BRAKES**

Disc brakes / Front brake pad / Front master cylinder / Front caliper / Front brake hose / Front brake disc / Rear brake pad / Rear master cylinder / Rear caliper / Rear brake hose / Rear brake disc / Rear brake pedal / Bleeding the system / Specifications

## **CHAPTER TWELVE / BODY AND FRAME**

Seat / Front fairing and mounting bracket / Rear fender cover / Footpegs / Sidestand / Specifications

# **CHAPTER THIRTEEN / KATANA 600**

Emergency troubleshooting / Tires and wheels / Battery / Periodic lubrication / Tune-up / Engine removal/installation / Cylinder head cover / Camshafts / Rocker arm assemblies / Valves and valve components / Clutch (1988-1991) / Clutch (1992-on) / Carburetor assembly / Fuel tank / Evaporative emission control system (California models only) / Air suction system (California models only) / Exhaust system / Transistorized ignition / Electric starter / Lighting system / Electrical components / Fuses / Circuit breaker / Front wheel / Front hub / Handlebar / Front forks / Rear wheel / Rear hub / Swing arm, shock absorber and shock lever / Shock absorber / Front caliper / Front brake hose / Front brake disc / Seats / Front fairing, mounting bracket and side covers / Specifications

## INDEX

## **WIRING DIAGRAMS**

Models covered:

1986 1987 Suzuki GSX-R1100 GSXR1100 GSXR 1100 1986 1987 Suzuki GSX-R750 GSXR750 GSXR 750 1986 Suzuki GSX-R750R Limited Edition GSXR750R GSXR750 R GSXR 750 1988 1989 1990 1991 1992 1993 1994 1995 1996 Suzuki GSX600F KATANA GSX 600F 600 F GSX-R Gixxer

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GSX600F Katana (1988-1996) GSX-R750 (1986-1987) GSX-R750R Limited Edition (1986) GSX-R1100 (1986-1987)