

This Suzuki GS500E Twins Manual is 427 pages.

QUICK REFERENCE DATA

CHAPTER ONE / GENERAL INFORMATION

Manual organization / Notes, cautions and warnings / Safety first / Service hints / Torque specifications / Fasteners/ Lubricants / Expendable supplies / Parts replacement / Emission control and battery labels / Basic hand tools / Precision measuring tools / Fabricating tools / Mechanics tips / Ball bearing replacement / Seals / Riding safety / Storage / Specifications

CHAPTER TWO / TROUBLESHOOTING

Operating requirements / Troubleshooting instruments / Starting the engine / Starting difficulties / Engine starting system / Charging system / Ignition system / Fuel system / Engine overheating / Engine noises / Cylinder leak down test / Clutch / Transmission / Drive train noise / Handling / Frame noise / Brakes / Specifications

CHAPTER THREE / LUBRICATION, MAINTENANCE AND TUNE-UP

Pre-ride check list / Maintenance schedule / Engine oil and filter change / Oil pan and sump filter / Oil pressure test / Control cable lubrication / Drive chain / Periodic lubrication / Periodic maintenance / Air filter / Engine tune-up / Measure adjust valve clearance / Cylinder compression test / Spark plugs / Ignition timing / Idle speed adjustment / Carburetor throttle valve synchronization / Specifications

CHAPTER FOUR / ENGINE TOP END

Exhaust system / Cylinder head cover / Camshaft / Camshaft chain tensioner and guides / Camshaft drive chain / Cylinder head / Valve lifter and shim / Valves and components / Cylinder block / Piston and rings / Specifications

CHAPTER FIVE / ENGINE LOWER END

Removal installation / Oil pump / Oil pan and strainer / Oil pressure regulator / Oil cooler / Starter clutch and gears / Crankcase / Crankshaft / Connecting rods / Engine break-in / Specifications

CHAPTER SIX / CLUTCH AND EXTERNAL SHIFT MECHANISM

External shift mechanism / Clutch lifter mechanism / Clutch cable / Specifications

CHAPTER SEVEN / TRANSMISSION AND INTERNAL SHIFT MECHANISM

Internal shift mechanism / Specifications

CHAPTER EIGHT / FUEL AND EMISSION CONTROL SYSTEMS

Carburetor / Pilot screw / Fuel level / Carburetor float height / Fuel injection system / Depressurizing the fuel system / Fuel injection precautions / Fault codes / Throttle body / Fuel pressure inspection / Throttle cable / Choke or fast idle cable / Air box / Fuel tank / Fuel valve / Fuel pump and fuel filter / PAIR system / Crankcase breather system / Evaporative emission control system / Specifications

CHAPTER NINE / ELECTRICAL SYSTEM

Battery / Charging system / Voltage regulator rectifier / Alternator / Transistorized ignition system / Starting system / Starter relay / Lighting / Switches / Turn signal relay / Fuel pump and relay / Thermostatic fan switch / Fuses / Specifications

CHAPTER TEN / COOLING SYSTEM

Hoses and clamps / Inspection / Radiator and fan / Fan / Thermostat / Water pump / Fan thermoswitch / Coolant temperature sensor / Specifications

CHAPTER ELEVEN / WHEELS, TIRES AND DRIVE CHAIN

Rear coupling / driven sprocket / Hubs / Drive chain / Sprockets / Specifications

CHAPTER TWELVE / FRONT SUSPENSION AND STEERING

Handlebar / Steering head and stem / Steering stem bearing / Front fork / Specifications

CHAPTER THIRTEEN / REAR SUSPENSION

Shock absorber / Swing arm / Shock linkage / Specifications

CHAPTER FOURTEEN / BRAKES

Brake pads / Caliper / Master cylinder / Brake hose / Brake disc / Bleeding the system / Rear brake pedal / Specifications

CHAPTER FIFTEEN / BODY AND FRAME

Seats and rear tail piece / Front fairing / Fairing lower side panels / Upper fairing / Rear frame cover / Sidestand / Specifications

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WIRING DIAGRAMS

Models covered:

1989 Suzuki GS500E Twin
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