

This Suzuki SV650 manual is 560 pages.

QUICK REFERENCE DATA

CHAPTER ONE / GENERAL INFORMATION

Manual organization / Warnings, cautions and notes / Safety / Serial numbers / Fasteners / Shop supplies / Basic tools / Special tools / Precision measuring tools / Decimal place values / Electrical system fundamentals / Basic service methods / Storage / Specifications

CHAPTER TWO / TROUBLESHOOTING

Operating requirements / Starting the engine / Engine will not start / Poor idle speed performance / Poor medium and high speed performance / Starting system / Charging system / Ignition system / Fuel system / Engine / Cylinder leak down test / Clutch / Transmission / Drive train noise / Handling / Frame noise / Brakes

CHAPTER THREE / LUBRICATION, MAINTENANCE AND TUNE-UP

Pre-ride checklist / Maintenance schedule / Tires and wheels / Battery / Periodic lubrication / Engine oil and filter change / Engine oil pressure test / Periodic maintenance / Drive chain lubrication / Swing arm bearing lubrication / Shock linkage lubrication / Air filter cleaning / Drive chain adjustment / Throttle adjustment / Brake fluid change / Clutch lever free play adjustment / Non-scheduled maintenance / Coolant change / Steering head adjustment check / Engine tune-up / Valve clearance / Cylinder compression test / Spark plugs / Ignition timing / Idle speed adjustment / Carb idle adjustment / Carburetor synchronization / Specifications

CHAPTER FOUR / ENGINE TOP END

Engine principles / Engine cooling / Cleanliness / Servicing engine in frame / Cylinder head covers / Camshaft / Cam chain tensioner and guides / Cam chains / Cylinder head / Valve lifters and shims / Valves and valve components / Cylinder / Piston and piston rings / Specifications

CHAPTER FIVE / ENGINE LOWER END

Servicing engine in frame / Engine / Oil pump / Starter clutch and gears / Primary and water pump drive gears / Cam chain sprockets / Crankcase / Crankshaft / Connecting rods / Specifications

CHAPTER SIX / CLUTCH AND EXTERNAL SHIFT MECHANISM

Clutch cable replacement / External gearshift mechanism / Clutch / Clutch release mechanism / Specifications

CHAPTER SEVEN / TRANSMISSION AND INTERNAL SHIFT MECHANISM

Internal shift mechanism / Transmission / Specifications

CHAPTER EIGHT / FUEL, EMISSION CONTROL AND EXHAUST SYSTEMS

Carburetor operation / Carburetor / Pilot screw / Fuel level / Carburetor float height / Throttle position sensor / Carburetor heater (U.K. models) / Throttle cable replacement / Starter cable replacement / Air box / Fuel tank / Fuel valve / Fuel pump / PAIR (air supply) system / Crankcase breather system / Evaporative emission control system (California models only) / Exhaust system / Specifications

CHAPTER NINE / ELECTRICAL SYSTEM

Preliminary information / Charging system / Voltage regulator/rectifier / Alternator / Electronic ignition system / Starting system / Lighting system / Switches / Relays / Instrument panels / Horn / Cooling system / Fuses / Wiring and connectors / Wiring diagrams / Specifications

CHAPTER TEN / COOLING SYSTEM

Temperature warning system / Hoses and hose clamps / Cooling system reservoir / Radiator / Cooling fan / Thermostat / Thermostat housing / Water pump / Cooling fan switch / Coolant temperature switch / Specifications

CHAPTER ELEVEN / WHEELS, TIRES AND DRIVE CHAIN

Motorcycle stand / Front wheel / Rear wheel / Rear coupling and rear sprocket / Front wheel hub / Rear wheel hub / Wheel balance / Tire safety / Tire changing / Tire repairs / Drive chain / Sprockets / Specifications

CHAPTER TWELVE / FRONT SUSPENSION AND STEERING

Handlebar / Handlebar left hand grip replacement / Steering stem and head / Steering head bearing race replacement / Steering stem bearing replacement / Front fork / Specifications

CHAPTER THIRTEEN / REAR SUSPENSION

Shock absorber / Swing arm / Shock linkage / Bearing / Specifications

CHAPTER FOURTEEN / BRAKES

Brake services / Front brake pads / Front caliper / Front brake master cylinder / Rear brake pads / Rear brake caliper / Rear master cylinder / Brake hose / Brake disc / Bleeding the brakes / Rear brake pedal / Specifications

CHAPTER FIFTEEN / BODY AND FRAME

Side covers / Seats / Front fender / Fairing windshield (SV650S models) / Fairing (SV650S models) / Rear frame cover / Sidestand / Specifications

INDEX

COLOR WIRING DIAGRAMS

Models covered:

1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 Suzuki SV650 SV 650
1999 2000 2001 2002 2003 2004 2005 2006 2007 Suzuki SV650S SV 650 S
2008 2009 Suzuki SV650SF SV 650 SF

Clymer Manuals Suzuki SV650 Manual
Clymer Manuals Suzuki SV650S Manual
Clymer Manuals Suzuki SV650SF Manual
Clymer Manuals Suzuki SV650 Online Manual
Clymer Manuals Suzuki SV650S Online Manual
Clymer Manuals Suzuki SV650SF Online Manual

SV650 (1999-2008)
SV650S (1999-2007)
SV650SF (2008-2009)