

This Suzuki motorcycle manual is 496 pages.

QUICK REFERENCE DATA

CHAPTER ONE / GENERAL INFORMATION

Manual organization / Warnings, cautions and notes / Safety / Serial numbers / Fasteners / Shop supplies / Tools / Measuring tools / Electrical system fundamentals / Service methods / Storage / Specifications

CHAPTER TWO / TROUBLESHOOTING

Starting the engine / Engine will not start / Engine performance / Engine noises / Engine lubrication / Oil pressure test / Leakdown test / Clutch / Gearshift linkage / Transmission / Fuel system (carbureted models) / Electronic diagnostic system / Electrical testing / Lighting system / Charging system / Ignition system / Starting system / Suspension and steering / Brake system

CHAPTER THREE / LUBRICATION, MAINTENANCE AND TUNE-UP

Pre-ride check list / Maintenance schedule / Tires and wheels / Battery / Periodic lubrication / Engine oil and filter change / Periodic maintenance / Non-scheduled maintenance / Tune-up / Valve clearance / Compression test / Spark plugs / Ignition timing / Fuel system adjustment / Specifications

CHAPTER FOUR / ENGINE TOP END

Cylinder head cover caps / Cylinder head covers / Rocker arm assemblies / Camshafts / Cylinder head and cylinder / Cylinder head / Valves and valve components / Camshaft chain tensioner / Cylinder / Pistons and piston rings / Specifications

CHAPTER FIVE / ENGINE LOWER END

Engine removal and installation / Oil pump / Starter clutch and gears / Primary drive gear / Camshaft drive chains and drive sprockets / Secondary gear assembly / Crankcase / Crankshaft and connecting rods / Break-in / Specifications

CHAPTER SIX / CLUTCH AND EXTERNAL SHIFT MECHANISM

Clutch cable / Clutch cover / Clutch release mechanism / External shift mechanism / Specifications

CHAPTER SEVEN / TRANSMISSION AND INTERNAL SHIFT MECHANISM

Internal shift mechanism / Transmission / Specifications

CHAPTER EIGHT / FUEL, EMISSION CONTROL AND EXHAUST SYSTEMS (2001-2004 MODELS)

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

CHAPTER NINE / FUEL, EMISSION CONTROL AND EXHAUST SYSTEMS (2005-ON MODELS)

Electronic fuel injection (EFI) / Fuel delivery system tests / Fuel pump / Fuel pump relay / Fuel pressure regulator / Throttle cable / Air box / Throttle body / Fuel injectors / Crankshaft position (CKP) sensor / Throttle position (TP) sensor / Secondary throttle position (STP) sensor / Secondary throttle valve actuator (STVA) / Fast idle speed / Intake air pressure (IAP) sensors / Engine coolant temperature (ECT) sensor / Intake air temperature (IAT) sensor / Heated oxygen (HO2) sensor / Tip-over (TO) sensor / Fuel tank / PAIR (air supply) system / Evaporative emission control system

(California models) / Exhaust system / Specifications

CHAPTER TEN / ELECTRICAL SYSTEM

Peak voltage and resistance testing / Electrical component replacement / Electrical connectors / Charging system / Voltage regulator / rectifier / Alternator / Electronic ignition system / Igniter / Electronic control module ECM / Starter system / Starter relay / Lighting system / Switches / Relay assembly / Speedometer / Horn / Cooling system / Fuses / Wiring diagrams / Specifications

CHAPTER ELEVEN / COOLING SYSTEM

Coolant reservoir / Radiator / Cooling fan / Thermostat / Water pump / Cooling fan switch / Engine coolant temperature ECT switch / Specifications

CHAPTER TWELVE / WHEELS AND TIRES

Front wheel / Rear wheel / Front wheel hub / Rear wheel hub / Wheel service / Tires / Wheel balance / Specifications

CHAPTER THIRTEEN / FRONT SUSPENSION AND STEERING

Balancer weights / Handlebar / Handlebar left hand grip replacement / Steering stem and head / Steering head bearing races / Front fork / Specifications

CHAPTER FOURTEEN / REAR SUSPENSION AND FINAL DRIVE

Shock absorber / Final drive and driveshaft / Swing arm / Shock linkage / Bearing replacement / Specifications

CHAPTER FIFTEEN / BRAKES

Brake fluid selection / Brake service / Front brake pads / Front brake caliper / Front brake master cylinder / Front brake hose / Front brake disc / Brake bleeding / Rear drum brake / Rear brake pedal / Rear brake pivot lever / Specifications

CHAPTER SIXTEEN / BODY AND FRAME

Seats / Frame side covers / Frame head side covers / Toolbox / Sidestand / Front fender / Rear fender / Left footpeg / footrest / Right footpeg / footrest / Specifications

COLOR WIRING DIAGRAMS