

This Suzuki Hayabusa Manual is 440 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

Engine starting / Engine will not start / Engine performance / Lubrication system / Leakdown test / Clutch / Gearshift linkage / Transmission / Fuel system / Fuel pump / Electrical testing / Electrical systems / Steering and suspension / Brake system / Specifications

### CHAPTER THREE / LUBRICATION, MAINTENANCE AND TUNE-UP

Maintenance intervals schedule / Tune-up / Ignition timing / Valve clearance / Spark plugs / Engine oil and filter / Engine oil pressure / Throttle cable free play / Idle speed adjustment / Fast idle speed / Throttle body synchronization / Fuel line inspection / Emission control systems / Control cable / Fasteners / Specifications

### CHAPTER FOUR / ENGINE UPPER END

Cylinder head cover / Camshaft / Cam chain tensioner / Cam chain and chain guides / Cylinder head / Valve lifters and shims / Valves and valve components / Cylinder block / Piston and piston rings / Specifications

### CHAPTER FIVE / ENGINE LOWER END

Engine service notes / Engine / Starter idler gear / Starter clutch and gears / Alternator cover / Flywheel / Oil pump / Oil cooler / Oil catch tank / Oil pan and strainer / Crankcase / Balancer / Crankshaft / Connecting rod / Engine break-in / Specifications

### CHAPTER SIX / CLUTCH

Clutch bleeding / Draining the system / Clutch cover / Clutch master and slave cylinder / Clutch hose replacement / Specifications

### CHAPTER SEVEN / TRANSMISSION, SHIFT MECHANISM AND ENGINE SPROCKET

Engine sprocket cover / Engine sprocket / Shift pedal / External and internal shift mechanism / Specifications

### CHAPTER EIGHT / AIR, FUEL INJECTION, EXHAUST AND EMISSIONS SYSTEMS

Depressurizing the fuel system / Fuel tank / Fuel pump / Fuel level sender / Fuel pump relay / Pressure regulator / Air filter housing / Intake air control system / Heat shield / Throttle bodies / Fuel injector / Throttle position TP sensor / Throttle cable replacement / Fast idle choke / Atmospheric pressure AP sensor / Camshaft position sensor / Engine coolant temperature ECT sensor / Intake air pressure IAP sensor / Intake air temperature IAT sensor / Tip over TO sensor / Exhaust system / Evaporative emissions control system / Crankcase breather / Fuel injection self-diagnosis / Specifications

### CHAPTER NINE / ELECTRICAL SYSTEM

Fuel system and cooling / Electrical basics / Electrical connectors / Battery / Charging system / Voltage regulator / rectifier / Stator assembly / Ignition system / Crankshaft position CKP sensor / Engine control module ECM / Ignition coil / plug cap / Ignition switch / Starting system / Starter

motor / Starter relay / Sidestand / Gear position GP sensor / Turn signal / Lighting / Horn / Meter assembly / Speed sensor / Oil pressure switch / Switches / Wiring diagrams / Specifications

## **CHAPTER TEN / COOLING SYSTEM**

Inspection / Coolant reservoir / Radiator / Thermo switch / Radiator fan / Radiator fan relay / Engine coolant temperature sensor / Thermostat / Water jacket fitting / Water pump / Specifications

## **CHAPTER ELEVEN / WHEELS, TIRES AND DRIVE CHAIN**

Front and rear wheel and hub / Bearing inspection / Rear coupling and rear sprocket / Drive chain / Specifications

## **CHAPTER TWELVE. FRONT SUSPENSION AND STEERING**

Handlebar / Grips / Handlebar holder / Steering head and stem / Steering head bearing race / Steering stem bearing race / Steering damper / Front fork / Specifications

## **CHAPTER THIRTEEN / REAR SUSPENSION**

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

## **CHAPTER FOURTEEN / BRAKES**

Brake bleeding and fluid draining / Brake pads / Front and rear brake caliper / Front and rear master cylinder / Brake pedal / Footpeg / Brake disc / Brake hose / Specifications

## **CHAPTER FIFTEEN / BODY AND FRAME**

Seat / Tail cover / Mirror / Fairing / Upper panel / Center panel / Intake duct / Front and rear lower panel / Fender / Sidestand / Specifications

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## **COLOR WIRING DIAGRAMS**

Models Covered:

1999 2000 2001 2002 2003 2004 2005 2006 2007 GSX1300R Hayabusa GSX1300 R GSX 1300 Busa Gixxer GSX-R

Clymer Manuals GSX1300R Hayabusa Manual

Clymer Manuals GSX1300R Hayabusa Online Manual

GSXR1300R Hayabusa (1999-2007)