

This Honda CBR600 Manual is 526 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 removal and installation / Engine lubrication / Cylinder leakdown test / Clutch / Gearshift linkage / Transmission / Fuel system / Electrical testing / Lighting system / Charging system / Ignition system / Starting system / Front suspension and steering / Brake system / Specifications

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

Air filter / Compression test / Spark plugs / Ignition timing / Valve clearance / EFI starter valve synchronization / Idle speed adjustment / Engine oil and filter / Sidestand and ignition cutoff switch / Specifications

### CHAPTER FOUR / ENGINE TOP END AND EXHAUST SYSTEM

Cylinder head / Camshafts / Camshaft chain tensioner / Camshaft chain, timing sprocket and chain guides / Valve lifters and shims / Valves and components / Specifications

### CHAPTER FIVE / ENGINE LOWER END

Removal installation / Oil pan, oil strainer and pressure relief valve / Oil pump / Oil cooler / Crankcase / Piston and connecting rod assembly / Crankshaft / Break-in procedure / Specifications

### CHAPTER SIX / CLUTCH, STARTER CLUTCH AND EXTERNAL SHIFT MECHANISM

Right crankcase cover / Clutch / Starter clutch and reduction gear assembly / External shift mechanism / Specifications

### CHAPTER SEVEN / TRANSMISSION AND INTERNAL GEARSHIFT MECHANISM

Transmission and internal shift mechanism / Transmission inspection / Internal shift mechanism inspection / Specifications

### CHAPTER EIGHT / FUEL INJECTION AND EMISSION CONTROL SYSTEMS

Fuel pressure test / Fuel flow test / Fuel tank cover / Fuel tank / Fuel pump / Air filter housing / Secondary fuel injection / Throttle body primary fuel injection / Fuel injectors (primary fuel injection) / Fast idle hot wax unit / idle air control IAC and thermal valve / Starter valves / Fuel cut relay / Map sensor / Intake air temperature IAT sensor / Camshaft position CMP sensor / Throttle position TP sensor / Bank angle sensor / Engine stop relay / Engine control module ECM / Throttle cable / Emission control system labels / Secondary air supply system / Evaporative emission control system / Oxygen sensor / Malfunction indicator lamp MIL / Specifications

### CHAPTER NINE / ELECTRICAL SYSTEM

Fuel system precautions / Fuel pressure test / Fuel flow test / Fuel tank cover / Fuel tank / Fuel pump / Air filter housing / Secondary fuel injection / Throttle body (primary fuel injection) / Fuel injectors (primary fuel injection) / Fast idle hot wax unit (2003-2004 models) / Idle air control (IAC) and thermal valve (2005-2006 models) / Starter valves / Fuel cut relay / Map sensor / Intake

air temperature (IAT) sensor / Camshaft position (CMP) sensor / Throttle position (TP) sensor / Bank angle sensor / Engine stop relay / Engine control module (ECM) / Throttle cable replacement / Emission control system labels / Secondary air supply system / Evaporative emission control system / Oxygen sensor(s) (California models) / Malfunction indicator lamp (MIL) / Specifications

#### **CHAPTER TEN / COOLING SYSTEM**

Coolant reserve tank and bracket / Radiator / Cooling fan / Thermostat / Thermostat housing / Cylinder block coolant joint / Water pump / Specifications

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

Motorcycle stands / Front wheel / Rear wheel / Rear coupling and rear sprocket / Front and rear hubs / Wheel runout and balance / Tires / Drive chain / Specifications

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

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

#### **CHAPTER THIRTEEN / REAR SUSPENSION**

Suspension linkage / Shock absorber / Swing arm / Specifications

#### **CHAPTER FOURTEEN / BRAKE SYSTEM**

Brake pads / Front and rear brake caliper / Front and rear master cylinder / Brake hose / Brake disc / Rear brake pedal / Brake bleeding / Specifications

#### **CHAPTER FIFTEEN / BODY PANELS**

Body panel fasteners / Riders seat / Pillion seat / Side covers and rear cowl / Lower cowl / Air duct covers / Side fairing panel / Mirrors / Windscreen / Front fairing and air ducts / Front fender / Upper rear fender / Rear fender / Rear frame rail / Battery tray / Specifications

#### **COLOR WIRING DIAGRAMS**

Models covered: 2003 2004 2005 2006 HONDA CBR600RR CBR 600RR 600 RR

Clymer Manuals Honda CBR600RR Manual

Clymer Manuals CBR600RR Online Manual