

This Honda motorcycle manual is 272 pages.

## QUICK REFERENCE DATA

### CHAPTER ONE / GENERAL INFORMATION

Manual organization / Service hints / Torque specifications / Safety first / Special tips / Expendable supplies / Serial numbers / Tune-up and troubleshooting tools

### CHAPTER TWO / TROUBLESHOOTING

Operating requirements / Emergency troubleshooting / Engine starting / Engine performance / Engine noises / Excessive vibration / Front suspension and steering / Brake problems

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

Routine checks / Pre-checks / Service intervals / Tires and wheels / Crankcase breather hose (U.S. models only) / Evaporation emission control (1984 California models only) / Battery / Periodic lubrication / Engine oil and filter change / Final drive oil change / Fork oil change / Control cable lubrication / Periodic maintenance / Air filter cleaning replacement / Fuel strainer cleaning / Steering head adjustment / Tune-up / Valve clearance adjustment / Specifications

### CHAPTER FOUR / ENGINE

Engine principles / Servicing engine in frame / Engine removal/installation / Cylinder head cover and camshaft / Cylinder heads / Valves and valve components / Rocker arm assemblies / Cylinder / Piston, piston pin and piston rings / Oil pump drive sprockets and drive chain / Oil pump / Oil pressure relief valve / Primary drive gear / Crankcase and crankshaft / Connecting rods / Output gear case / Alternator rotor starter clutch assembly and gears / Break-in procedure / Specifications

### CHAPTER FIVE / CLUTCH AND TRANSMISSION

Clutch operation / Clutch / Clutch cable / External shift mechanism / Transmission / Internal shift mechanism / Specifications

### CHAPTER SIX / FUEL AND EXHAUST SYSTEMS

Carburetor operation / Carburetor service / Carburetor adjustments / Throttle cable replacement / Choke cable replacement / Fuel shutoff valve / Fuel tank / Crankcase breather system (U.S. only) / Evaporative emission control system (1984 California models only) / Exhaust system / Specifications

### CHAPTER SEVEN / ELECTRICAL SYSTEM

Charging system / Alternator / Voltage regulator/rectifier / Ignition system / Spark unit / Ignition coil / Pulse generator / Starting system / Starter / Starter solenoid / Clutch diode / Lighting system / Switches / Electrical components / Specifications

### CHAPTER EIGHT / COOLING SYSTEM

Cooling system check / Radiator / Cooling fan / Thermostat / Water pump / Coolant pipes / Hoses / Specifications

### CHAPTER NINE / FRONT SUSPENSION AND STEERING

Front wheel / Front hub / Wheel balance / Tire changing / Tire repairs / Handlebar / Steering head and stem / Steering head bearing races / Front fork / Specifications

### CHAPTER TEN / REAR SUSPENSION AND FINAL DRIVE

Rear wheel / Rear hub / Final drive unit and drive shaft / Universal joint / Swing arm / Shock

absorbers / Specifications

### **CHAPTER ELEVEN / BRAKES**

Front disc brakes / Front master cylinder / Front brake pad replacement / Front caliper / Front brake hose replacement / Front brake disc / Bleeding the system / Rear drum brake / Rear brake pedal / Specifications

### **CHAPTER TWELVE / FRAME**

Kickstand (sidestand) / Centerstand / Footpegs / Seat / Rear fender / Frame / Specifications

### **SUPPLEMENT / ADDITIONAL UK INFORMATION**

Exhaust system / Front wheel / Front brake pad replacement / Front caliper / Specifications

### **INDEX**

### **WIRING DIAGRAMS**

Models covered:

1983 1984 1985 1986 HONDA VT500C SHADOW

1983 1984 1985 1986 1987 1988 HONDA VT500E Euro Sport

1983 1984 HONDA VT500FT ASCOT

Clymer Manuals Honda VT500C Shadow Manual

Clymer Manuals Honda VT500E Euro Sport Manual

Clymer Manuals Honda VT500FT Ascot Manual