

This Honda Motorcycle Manual is 328 pages.

## QUICK REFERENCE DATA

### CHAPTER ONE / GENERAL INFORMATION

Manual organization / Notes, cautions and warnings / Reference to location / Service hints / Special tips / Safety first / Torque specifications / Parts replacement / Lubricants / Fasteners / Basic hand tools / Precision measuring tools / Special tools / Expendable supplies / Mechanics tips

### CHAPTER TWO / TROUBLESHOOTING

Operating requirements / Starting the engine / Emergency troubleshooting / Troubleshooting / Engine performance / Engine noises / Excessive vibration / 2-stroke pressure testing / Clutch / Transmission / Ignition system / Front suspension and steering / Brake problems / Specifications

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

Routine checks / Service intervals / Periodic lubrication / Transmission/clutch oil change / Fork oil change / Drive chain lubrication / Periodic maintenance / Drive chain lubrication and adjustment / Clutch adjustment / Throttle adjustment / Air filter service / Fuel line inspection / Cooling system inspection / Coolant change / Tune-up / Spark plug / Ignition timing / Carburetor adjustment / Carbon removal / Specifications

### CHAPTER FOUR / ENGINE

Engine operating principles / Engine lubrication / Servicing engine in frame / Engine removal/installation / Cylinder head / Cylinder / Engine decarbonizing / Exhaust valve decarbonization / Reed valve assembly / Piston, piston pin and piston rings / Right crankcase cover / Primary drive gear / Drive sprocket / Crankcase and crankshaft / Kickstarter/idler gear / Break-in procedure / Specifications

### CHAPTER FIVE / CLUTCH AND TRANSMISSION

Clutch / Clutch inspection / Clutch cable / External shift mechanism / 5-speed transmission and internal shift mechanism / Internal shift mechanism inspection / Specifications

### CHAPTER SIX / FUEL AND EXHAUST SYSTEMS

Carburetor operation / Carburetor service / Carburetor body / Carburetor adjustments / Optional Honda carburetor components / Throttle cable / Fuel shutoff valve and filter / Fuel tank / Fuel tank repair / Fuel filter / Exhaust system / HPP system (CR250R) / Specifications

### CHAPTER SEVEN / ELECTRICAL SYSTEM

Alternator / Ignition system / CDI unit / Pulse generator / Ignition coil / Ignition timing / Engine kill switch / Specifications

### CHAPTER EIGHT / LIQUID COOLING SYSTEM

Safety precautions / Cooling system check / Water pump (water seal and oil seal inspection) / Radiators / Water pump / Coolant hoses / Specifications

### CHAPTER NINE / FRONT SUSPENSION AND STEERING

Front wheel / Front hub / Wheel spokes / Tire changing / Tire repairs / Handlebar / Steering head / Front fork / Front fork adjustment / Specifications

### CHAPTER TEN / REAR SUSPENSION

Rear wheel / Rear hub / Drive chain / Swing arm / Pro-Link system / Shock absorber / Pivot arm

assembly / Pivot arm and shock link needle bearing replacement / Sub-frame / Specifications

## **CHAPTER ELEVEN / BRAKES**

Hydraulic disc brake / Draining brake fluid / Front master cylinder / Rear master cylinder / Brake pad replacement / Front caliper / Rear caliper / Brake hose replacement / Brake disc / Bleeding the system / Rear brake pedal assembly / Specifications

## **SUPPLEMENT / 1992-2001 CR500R SERVICE INFORMATION**

Periodic lubrication / Periodic maintenance / Right crankcase cover / Primary drive gear / 5-speed transmission and internal shift mechanism / Throttle cable / Front wheel (1992-on) / Front hub / Wheel spokes / Handlebar / Steering head / Front forks / Front fork adjustment / Swing arm / Shock absorber / Pivot arm assembly / Front master cylinder / Front brake hose replacement

## **INDEX**

## **WIRING DIAGRAMS**

Models covered:

1988 1989 1990 1991 HONDA CR250R

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Clymer Manuals Honda CR250R Manual

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