

This Honda Motorcycle Manual is 336 pages.

## QUICK REFERENCE DATA

### CHAPTER ONE / GENERAL INFORMATION

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

### CHAPTER TWO / TROUBLESHOOTING

Operating requirements / Emergency troubleshooting / Engine starting / Engine performance / Engine noises / Excessive vibration / 2-stroke pressure testing / Front suspension and steering / Brake problems

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

Routine checks / Service maintenance schedule intervals / Periodic lubrication / Engine oil and filter change / Valve clearance / Air filter change / Fork oil change / Periodic maintenance / Tune-up / Specifications

### CHAPTER FOUR / LIQUID COOLED ENGINE

Engine lubrication / Removal installation / Cylinder Head / Cylinder / Engine decarbonizing / Reed valve assembly / Piston, piston pin and piston rings / Right crankcase cover (1987 CR250R and CR500R) / Primary drive gear / Drive sprocket / Crankcase and crankshaft / Kickstarter / Break-in / Specifications

### CHAPTER FIVE / AIR-COOLED ENGINE

Engine lubrication / Engine cooling / Servicing engine in frame / Engine removal/installation / Cylinder head / Cylinder / Engine decarbonizing / Reed valve assembly / Piston, piston pin and piston rings / Primary drive gear / Drive sprocket / Crankcase and crankshaft / Kickstarter / Break-in procedure / Specifications

### CHAPTER SIX / CLUTCH AND TRANSMISSION

Clutch / Clutch inspection / Clutch cable / External shift mechanism (1981-1983) / External shift mechanism (1984-on) / 5-speed transmission and internal shift mechanism (CR250R) / 4-speed transmission and internal shift mechanism (1981-1982 450-480 cc) / 5-speed transmission and internal shift mechanism (1983-on 480-500 cc) / Internal shift mechanism inspection / Specifications

### CHAPTER SEVEN / FUEL AND EXHAUST SYSTEMS

Carburetor operation / Carburetor service (1981-1984) / Carburetor service (1985-on) / Carburetor adjustments / Optional Honda carburetor components / Throttle cable / Fuel shutoff valve and filter / Fuel tank / Fuel tank repair / Fuel filter / Exhaust system / ATAC system (1984-1985 CR250R) / Governor shaft (1985 CR250R) / Governor shaft (1984 CR250R) / Rack and cam (1984-1985 CR250R) / HPP system (1986-on CR250R) / Specifications

### CHAPTER EIGHT / ELECTRICAL SYSTEM

Alternator / Alternator (outer rotor type) / Alternator (inner rotor type) / Ignition system / CDI unit / Pulse generator (1984-on) / Ignition coil / Ignition timing / Engine kill switch / Specifications

### CHAPTER NINE / LIQUID COOLING SYSTEM

Safety precautions / Cooling system check / Radiators / Water pump / Coolant hoses /

## Specifications

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

Front wheel / Front hub (drum brake models) / Front hub (disc brake models) / Wheel balance / Wheel spokes / Tire changing / Tire repairs / Handlebar / Steering head / Front fork (1981-1985) / Front fork (1986-on) / Specifications

### **CHAPTER ELEVEN / REAR SUSPENSION**

Rear wheel / Rear hub / Drive chain / Swing arm / Pro-Link system / Shock absorber / Pivot arm assembly / Sub-frame (1983-on) / Specifications

### **CHAPTER TWELVE / BRAKES**

Drum brakes / Hydraulic disc brakes / Front master cylinder / Rear master cylinder / Brake pad replacement / Front caliper / Rear caliper / Brake hose replacement / Brake disc / Bleeding the system / Brake cables / Rear brake pedal assembly / Specifications

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## **WIRING DIAGRAMS**

Models covered:

1981 1982 1983 1984 1985 1986 1987 HONDA CR250R CR250

1981 HONDA CR450R CR450

1982 1983 HONDA CR480R CR480

1984 1985 1986 1987 HONDA CR500R

CR 250 250R 450 480 480R 500 500R R Elsinore

Clymer Manuals Honda CR250R Pro-Link Manual

Clymer Manuals Honda CR450R Pro-Link Manual

Clymer Manuals Honda CR480R Pro-Link Manual

Clymer Manuals Honda CR500R Pro-Link Manual

CR250R (1981-1987)

CR450R (1981)

CR480R (1982-1983)

CR500R (1984-1987)