

This Honda motorcycle manual is 424 pages.

## QUICK REFERENCE DATA

### CHAPTER ONE / GENERAL INFORMATION

Manual organization / Notes, cautions and warnings / Service hints / Torque specifications / Safety First / Special tips / Expendable supplies / Parts replacement / Serial numbers / Hand tools / Tune-up and troubleshooting tools / Mechanics tips / Off Road rules / Safety

### 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 / Battery / Periodic lubrication / Periodic maintenance / Tune-up

### CHAPTER FOUR / 1979-1982 500 CC ENGINES

Engine principles / Engine cooling / Servicing engine in frame / Engine removal/installation / Cylinder head cover / Cylinder head / Reed valve assembly (XR500R) / Valves and valve components / Camshaft / Camshaft chain and dampers / Cylinder / Piston, piston pin and piston rings / Ignition advance mechanism / Oil pump and oil filter screen / Kickstarter / Crankcase / Crankshaft and connecting rod / Balancer system / Break-in procedure / Specifications

### CHAPTER FIVE / RFVC ENGINES

Engine principles / Engine cooling / Servicing engine in frame / Engine removal/installation / Cylinder head cover and camshaft / Camshaft chain tensioner / Cylinder head / Valves and valve components / Cylinder / Piston, piston pin and piston rings / Primary drive gear / Oil lines / Camshaft chain / Crankcase and crankshaft / Balancer system / Kickstarter / Break-in procedure / Specifications

### CHAPTER SIX / CLUTCH AND TRANSMISSION

Clutch / Clutch cable / External shift mechanism / Transmissions / 5-speed transmission / Internal shift mechanism / Specifications

### CHAPTER SEVEN / FUEL AND EXHAUST SYSTEMS

Carburetor / Carburetor adjustments / Throttle cable / Choke cable replacement (models so equipped) / Fuel tank / Fuel filter / Gasoline/alcohol blend test / Crankcase breather system / Evaporative emission control system / Air filter case / Exhaust system / Specifications

### CHAPTER EIGHT / ELECTRICAL SYSTEM

Charging system (XL series models) / Alternator rotor / Alternator stator / Voltage regulator/rectifier / A/C regulator test (XL500R, XL600R) / Capacitor discharge ignition / Mechanical ignition advance mechanism / Pulse generator / Ignition coil / Lighting system / Electrical components / Fuse (XL series models) / Wiring diagrams / Specifications

### CHAPTER NINE / FRONT SUSPENSION AND STEERING

Front wheel / Front hub / Handlebar / Steering head and stem (loose ball bearings) / Steering head bearing races / Front fork / Inspection / Specifications

## **CHAPTER TEN / REAR SUSPENSION**

Rear wheel / Rear hub / Final driven sprocket / Swing arm / Pro-Link / Dual shock absorbers / Pro-Link suspension system / Shock absorber / Pro-Link pivot arm assembly / Pro-Link pivot arm bearing / Specifications

## **CHAPTER ELEVEN / BRAKES**

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

## **WIRING DIAGRAMS**

Models covered:

1982 HONDA XL500R XL500 XL 500 R

1979 1980 1981 HONDA XL500S XL500 XL 500 S

1983 1984 1985 1986 1987 HONDA XL600R XL600 XL 600 R

1979 1980 HONDA XR500 XR 500

1981 1982 1983 1984 HONDA XR500R XR500 XR 500 R

1985 1986 1987 1988 1989 1990 HONDA XR600R XR600 XR 600 R

Dual Sport Dualsport

Clymer Manuals Honda XL500S Manual

Clymer Manuals Honda XL500R Manual

Clymer Manuals Honda XR500 Manual

Clymer Manuals Honda XR500R Manual

Clymer Manuals Honda XL600R Manual

Clymer Manuals Honda XR600R Manual