

This Honda CB650 Motorcycle Manual is 368 pages.

## QUICK REFERENCE DATA

### CHAPTER ONE / GENERAL INFORMATION

Manual organization / Service hints / Safety first / Expendable supplies / Shop tools / Emergency tool kits / Troubleshooting and tune-up equipment

### CHAPTER TWO / TROUBLESHOOTING

Starting difficulties / Poor performance / Clutch and transmission / Drive train / Chassis / Brakes / Electrical system / Charging system / Lighting / Fuses / Wiring

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

Routine checks / Pre-checks / Service intervals / Tires and wheels / Crankcase breather hose / Battery / Periodic lubrication / Engine oil and filter change / Fork oil change / Drive chain lubrication / Valve clearance / Periodic maintenance / Air filter change / Drive chain adjustment / Engine tune-up / Spark plugs / Storage / General specifications / Serial numbers / Parts replacement / Specifications

### CHAPTER FOUR / ENGINE

Engine principles / Engine cooling / Servicing engine in frame / Engine / Cylinder head cover / Cylinder head / Valve and valve components / Camshaft / Camshaft chain / Camshaft block / Piston, piston pin and piston rings / Ignition advance and pulser generator / Oil pump / Oil strainer / Primary shaft/starter clutch / Primary shaft tensioner / Crankcase / Crankshaft and primary chain inspection / Break-in procedure / Specifications

### CHAPTER FIVE / CLUTCH AND TRANSMISSION

Clutch / Clutch cable / External shift mechanism / Drive sprocket / Transmission / Gearshift drum and shift forks / Specifications

### CHAPTER SIX / FUEL AND EXHAUST SYSTEMS

Air cleaner / Carburetor operation / Carburetor service / Carburetor adjustments / Fuel shutoff valve / Fuel line diaphragm (models since 1981) / Fuel tank / Crankcase breather system (U.S. only) / Exhaust system / Specifications

### CHAPTER SEVEN / ELECTRICAL SYSTEMS

Charging system / Battery / Alternator / Voltage regulator/rectifier / Ignition system / Capacitor discharge ignition / Ignition coil / Pulser generator / Ignition advance mechanism / Spark plug / Starting system / Starter / Starter solenoid / Lighting system / Switches / Electrical components / Specifications

### CHAPTER EIGHT / FRONT SUSPENSION AND STEERING

Front wheel / Front hub / Wheels / Tire changing / Tire repair tube-type tires / Tire repairs tubeless type / Handlebar / Steering head / Front fork / Specifications

### CHAPTER NINE / REAR SUSPENSION

Rear wheel / Rear hub / Driven flange assembly / Drive chain / Wheel balancing / Tire changing and tire repairs / Rear swing arm / Shock absorbers / Specifications

### CHAPTER TEN / BRAKES

Front disc brake(s) / Front master cylinder / Front brake pad replacement / Front caliper(s) / Front

brake hose replacement / Front brake disc / Bleeding the system / Rear drum brake / Rear brake pedal assembly / Specifications

## **CHAPTER ELEVEN / FRAME**

Kickstand (sidestand) / Centerstand / Footpegs / Frame / Specifications

## **SUPPLEMENT / 1982 SERVICE INFORMATION**

## **INDEX**

## **WIRING DIAGRAMS**

CB650 CB650SC 650C 650 Custom