CLYMER

### This Honda Motorcycle Manual is 480 pages.

#### **QUICK REFERENCE DATA**

# **CHAPTER ONE / GENERAL INFORMATION**

Manual organization / Warnings, cautions and notes / Safety / Serial numbers / Fasteners / Shop supplies / Basic tools / Precision measuring tools / Special tools / Basic service methods / Storage / Specifications

# **CHAPTER TWO / TROUBLESHOOTING**

Operating requirements / Starting the engine / Starting difficulties / Engine performance / Engine noises / Engine lubrication / Cylinder leakdown test / Clutch / Gearshift linkage / Transmission / Fuel system Electrical / Troubleshooting test equipment / Basic test procedures / Lighting system / Charging system / Ignition system / Starting system / Front suspension and steering / Brake system

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

Fuel / Tune-up / Cylinder identification and firing order / Air filter / Engine compression test / Spark plugs / Ignition timing / Valve clearance / Starter valve synchronization / Idle speed adjustment / Fuel hose inspection / Control cable lubrication / Throttle cable operation and adjustment / Choke cable (1998-1999) / Clutch / Engine oil and filter / Cooling system / Emission control systems / Battery Tires and wheels / Front fork oil change / Drive chain / Brakes / Headlight aim / Sidestand and ignition cut-off switch / Steering bearings / Front suspension check / Rear suspension check / Fasteners / Wheel bearings / Lights and horn / Specifications

### CHAPTER FOUR / ENGINE

Removal installation / Cylinder head covers / Camshafts / Cylinder head / Valves and valve components / Cam gearcase / Timing gear / Oil cooler / Oil pan, oil strainer and pressure relief valve / Oil pump / Crankcase / Piston and connecting rod assembly / Crankshaft / Break-in / Specifications

# CHAPTER FIVE / CLUTCH, STARTER CLUTCH AND PRIMARY DRIVE GEAR

Right crankcase cover / Clutch / Starter clutch and primary drive gear / Clutch master cylinder / Clutch slave cylinder / Brake fluid / Clutch fluid draining / Clutch system bleeding / Specifications

### CHAPTER SIX / SHIFT MECHANISM

External shift mechanism / Overhaul / Inspection / Internal shift mechanism / Transmission shifting check / Specifications

#### CHAPTER SEVEN / FUEL AND EMISSION CONTROL SYSTEMS

Depressurizing the fuel system / Fuel tank / Air filter housing / Throttle body / Fuel injectors / Starter valve / Malfunction indicator light / Fuel pressure check / Fuel flow check / Fuel pump / Fuel filter replacement / Fuel cut relay / BARO sensor / MAP sensor / IAT sensor / Vacuum chamber / Bypass control solenoid valve / One-way valve / ECT sensor / Cam pulse generator / Bank angle sensor / Engine stop relay / Variable air intake control system / Throttle position (TP) sensor / Fuel pressure regulator / Engine control module ECM / Emission control system labels / Crankcase breather system / Evaporative emission control system / Pulse secondary air supply system PAIR / Catalytic converter and oxygen sensors / Specifications

# **CHAPTER EIGHT / ELECTRICAL SYSTEM**

Battery / Charging system / Stator coil and left crankcase cover / Flywheel / Ignition system /

Electric starting system / Starter relay switch / Clutch diode / Lighting system / Combination meter / Tachometer test / Speedometer/speed sensor / ECT thermosensor / Fuel level sensor / Headlight relay / Turn signal relay / Horn / Switches / Fuses / Wiring diagrams / Specifications

# **CHAPTER NINE / COOLING SYSTEM**

Hoses and hose clamps / Cooling system inspection / Coolant reserve tank / Radiator / Cooling fan / Thermostat / Water pump / Specifications

### CHAPTER TEN / WHEELS, TIRES AND DRIVE CHAIN

Front rear wheel / Front hub / Rear axle / Brake disc / Bearing holder / Sprocket / Drive chain / Specifications

### CHAPTER ELEVEN / FRONT SUSPENSION AND STEERING

Handlebar / Front fork / Steering head and stem / Steering bearing preload check / Steering head bearing races / Specifications

### **CHAPTER TWELVE / REAR SUSPENSION**

Suspension linkage / Shock absorber / Swing arm / Specifications

### **CHAPTER THIRTEEN / BRAKES**

Linked braking system LBS / Brake fluid selection / Brake service / Front brake pads / Brake calipers / Secondary master cylinder / Front master cylinder / Rear master cylinder / Proportional control valve / Delay valve / Brake hose replacement / Brake disc / Rear brake pedal / Brake fluid draining / Flushing the brake system / Bleeding the system / Specifications

### CHAPTER FOURTEEN / BODY PANELS AND EXHAUST SYSTEM

Seat stopper / Seat / Rear fairing / Side fairings / Mirrors / Windshield / Upper fairing / Front fender / Seat rail/rear fender / Exhaust system / Specifications

### INDEX

# **WIRING DIAGRAM**

Models covered: 1998 1999 2000 Honda VFR800FI Interceptor VFR800 VFR 800

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