

This Yamaha vintage manual is 352 pages.

## QUICK REFERENCE DATA

### CHAPTER ONE / GENERAL INFORMATION

Manual organization / Service hints / Torque specifications / Safety first / Special tips / Parts replacement / Expendable supplies / What year is it? / Serial numbers / Basic hand tools / Tune-up and troubleshooting tools / Fasteners / Mechanics tips / Specifications

### CHAPTER TWO / TROUBLESHOOTING

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

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

Pre-checks / Tires and wheels / Lubricants / Cleaning solvent / Periodic lubrication / Engine lubrication / Transmission oil checking and changing / Front fork oil change / Drive chain lubrication and adjustment / Periodic maintenance / Monoshock adjustment / Clutch mechanism and cable adjustment / Throttle adjustment / Air cleaner service / Engine tune-up / Cylinder head nuts torque / Spark plug / Ignition timing / Idle speed adjustment / Decarbonizing / engine and exhaust system / Storage / Specifications

### CHAPTER FOUR / ENGINE

Engine principles / Engine lubrication / Engine cooling / Servicing engine in frame / Engine / Cylinder head / Cylinder / Piston, piston pin, and piston rings / Break-in procedure / Magneto / Reed valve assembly / Compression release (IT400C only) / Crankcase and crankshaft / Kickstarter / Service and adjustment / Specifications

### CHAPTER FIVE / CLUTCH AND TRANSMISSION

Clutch / Clutch cable / Clutch release (push lever) mechanism / External shift mechanism / Transmission and internal shift mechanism / Specifications

### CHAPTER SIX / FUEL AND EXHAUST SYSTEMS

Air cleaner / Carburetor operation / Carburetor service / Carburetor adjustments / Fuel shutoff valve / Fuel tank / Fuel filter / Exhaust system / Exhaust system decarbonizing / Exhaust system repair / Specifications

### CHAPTER SEVEN / ELECTRICAL SYSTEM

Capacitor discharge ignition / Spark plug / Magneto / Ignition coil / Engine kill switch / Lighting system / Speedometer housing / Wiring diagrams / Specifications

### CHAPTER EIGHT / FRONT SUSPENSION AND STEERING

Front wheel / Front hub / Wheels / Tire changing / Tire repairs / Handlebar / Steering head / Front fork / Specifications

### CHAPTER NINE / REAR SUSPENSION

Rear wheel / Rear hub / Drive sprocket / Drive chain / Wheel balancing / Tire changing and tire repairs / Rear swing arm / Rear suspension (DeCarbon monocross system) / Rear suspension (monocross type) / Specifications

## **CHAPTER TEN / BRAKES**

Front brake / Rear brake / Front brake cable / Rear brake pedal assembly / Specifications

## **CHAPTER ELEVEN / FRAME AND REPAINTING**

Kickstand (sidestand) / Footpegs / Frame / Specifications

## **SUPPLEMENT / 1981 AND LATER SERVICE INFORMATION**

## **INDEX**

## **WIRING DIAGRAMS**

Models covered:

1980 1981 Yamaha IT125

1977 1978 1979 1980 1981 1982 1983 Yamaha IT175

1984 1985 1986 Yamaha IT200

1977 1978 1979 1980 1981 1982 1983 Yamaha IT250

1976 1977 1978 1979 Yamaha IT400

1980 Yamaha IT425

1981 1982 Yamaha IT465

1983 1984 Yamaha IT490

Clymer Manuals Yamaha IT125 Manual

Clymer Manuals Yamaha IT175 Manual

Clymer Manuals Yamaha IT200 Manual

Clymer Manuals Yamaha IT250 Manual

Clymer Manuals Yamaha IT400 Manual

Clymer Manuals Yamaha IT425 Manual

Clymer Manuals Yamaha IT465 Manual

Clymer Manuals Yamaha IT490 Manual

IT125 (1980-1981)

IT175 (1977-1983)

IT200 (1984-1986)

IT250 (1977-1983)

IT400 (1976-1979)

IT425 (1980)

IT465 (1981-1982)

IT490 (1983-1984)