

This Kawasaki Ninja Manual is 424 pages.

## QUICK REFERENCE DATA

### CHAPTER ONE / GENERAL INFORMATION

Manual organization / Warnings, cautions and notes / Safety / Serial numbers / Fasteners / Shop supplies / Tools / Measuring tools / Electrical system fundamentals / Service methods / Storage / Specifications Specs

### CHAPTER TWO / TROUBLESHOOTING

Starting the engine / Engine spark test / Engine performance / Electrical testing / Starting system / Engine noise / Motorcycle noise / Engine lubrication / Engine leakdown test / Clutch / Gear shift linkage and transmission / Brakes / Steering and handling / Brake troubleshooting Specs

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

Tune-up / Air filter / Engine oil and filter / Idle speed adjustment / Spark plugs / Battery / Compression test / Ignition timing inspection / Brake system / Clutch / Cooling system / Fuel hose inspection / Emission control systems / Throttle cables / Choke cable / Carburetor synchronization / Tires and wheels / Valve clearance / Lights and horn inspection / Sidestand switch and ignition cut-off system / Steering head bearing inspection / Front suspension inspection / Front fork oil change / Rear suspension inspection / Swing arm bearing lubrication / Drive chain / Speedometer cable / Fasteners / Specifications Specs

### CHAPTER FOUR / ENGINE TOP END (1988-2007 MODELS)

Exhaust system / Cylinder head cover / Camshafts / Rocker arms / Cylinder head / Valves / Cylinder / Piston and piston rings / Specifications Specs

### CHAPTER FIVE / ENGINE TOP END (2008-ON MODELS)

Exhaust system / Air suction valve / Cylinder head cover / Camshafts / Valve lifters and shims / Cylinder head / Valves / Cam chain tensioner / Cylinder / Piston and piston rings / Specifications Specs

### CHAPTER SIX / ENGINE LOWER END

Engine / Left crankcase cover / Starter idler gear / Flywheel (alternator rotor) and starter clutch / Right crankcase cover / Cam chain tensioner (1988-2007 models) / Camshaft chain and guides / (1988-2007 models) / Oil pump / Oil pressure relief valve / Crankcase oil screen / Oil pipes / Crankcase / Crankshaft / Connecting rods / Balancer shaft / Crankcase breather / Engine break-in / Specifications Specs

### CHAPTER SEVEN / CLUTCH AND EXTERNAL GEARSHIFT MECHANISM

Clutch / Shift linkage / External gearshift linkage / Primary drive gear / Clutch cable replacement / Specifications Specs

### CHAPTER EIGHT / TRANSMISSION AND INTERNAL GEARSHIFT MECHANISM

Transmission / Shift drum and forks / Specifications Specs

### CHAPTER NINE / FUEL AND EMISSION CONTROL SYSTEMS

Carburetor / Throttle cables / Choke cable / Air box / Fuel tank / Fuel valve / Fuel level sensor (2008-on models) / Clean air system (2008-on models) / Evaporative emissions control system (California models only) / Specifications Specs

## **CHAPTER TEN / ELECTRICAL SYSTEM (1988-2007 MODELS)**

Electrical component replacement / Continuity testing guidelines / Electrical connectors / Negative battery terminal / Battery / Charging system / Stator / Flywheel and starter clutch / Regulator/rectifier / Starting system / Starter / Starter relay / Starter circuit relay / Ignition system / Fan system / Coolant temperature gauge and sensor / Meter unit / Lighting system / Turn signal relay / Switches / Junction box and fuses / Wiring diagrams / Specifications Specs

## **CHAPTER ELEVEN / ELECTRICAL SYSTEM (2008-ON MODELS)**

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## **CHAPTER TWELVE / COOLING SYSTEM**

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## **CHAPTER THIRTEEN / WHEELS, TIRES AND DRIVE CHAIN**

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

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## **CHAPTER FIFTEEN / REAR SUSPENSION (1988-2007 MODELS)**

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## **CHAPTER NINETEEN / BODY (1988-2007 MODELS)**

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## **Color Wiring Diagrams**

Models covered: EX250 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000  
2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012

Clymer Manuals Kawasaki Ninja 250R Manual

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