

This Yamaha Royal Star manual is 536 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 / Electrical system fundamentals / Special tools / Basic service methods / Storage / Specifications

CHAPTER TWO / TROUBLESHOOTING

Engine principles / Operating requirements / Starting the engine / Starting difficulties / Engine performance / Engine noises / Engine lubrication / Engine leakdown test / Clutch / Gearshift linkage / Transmission / Final drive / Carburetor / Fuel pump / Carburetor heater / Electrical test equipment / Basic electrical test procedures / Electrical systems / Self-diagnostic system / Engine indicator light (all models) / SET/RES lights (XVZ13TF models) / Cruise control / Audio system (XVZ13TF models) / Front suspension and steering / Brake system / Specifications

CHAPTER THREE / LUBRICATION, MAINTENANCE AND TUNE-UP

Maintenance intervals / Periodic lubrication / Engine oil and filter change / Engine oil pressure test / Battery / Tune-up / Air filter / Spark plugs / Engine compression test / Ignition timing / Valve clearance adjustment / Specifications

CHAPTER FOUR / ENGINE TOP END

Servicing engine in the frame / Cylinder head covers / Camshafts / Cylinder heads / Valves and valve components / Specifications

CHAPTER FIVE / ENGINE LOWER END

Servicing engine in the frame / Engine removal and installation / Cylinder covers / Crankcase breather cover / Alternator cover / Stator and pickup coils / Flywheel / Starter clutch / Starter gears / Oil pan / Oil pump / Main oil gallery / Piston/connecting rod assembly / Pistons and piston rings / Crankcase / Crankshaft and cam chain / Balancer shaft (XVZ13TF models) / Break-in / Specifications

CHAPTER SIX / CLUTCH AND EXTERNAL SHIFT MECHANISM

Bleeding / Fluid draining / Clutch cover / Master slave cylinder / Floorboard shift pedal assembly / External shift mechanism / Clutch hose replacement / Specifications

CHAPTER SEVEN / TRANSMISSION, MIDDLE GEAR AND INTERNAL SHIFT MECHANISM

Internal shift mechanism / Middle gearcase cover / Middle drive gear assembly / Middle driven gear assembly / Specifications

CHAPTER EIGHT / AIR/FUEL, EMISSION CONTROL AND EXHAUST SYSTEMS

Fuel tank / Fuel valve / Fuel filter / Fuel pump / Air filter housing / Surge tank / Carburetor operation / Carburetor / Cleaning, inspection and adjustment / Pilot screw / Throttle position sensor TPS / Carburetor heater system / Throttle cable / Air induction system / Evaporative emission control / Exhaust system / Specifications

CHAPTER NINE / ELECTRICAL SYSTEM

Electrical connector identification / Battery negative terminal / Charging system / Stator / Voltage regulator rectifier / Ignition system / Ignition coil / Pickup coil / Spark plug / Igniter unit / Starting circuit cutoff relay / Starting system / Starter / Starter relay / Headlight / Meter assembly /

Taillight / Brake light / Neutral indicator light / Turn signals / Flasher relay / Horn / Indicator lights / Cruise control / Audio system / Switches / Speed sensor circuit continuity / Fuses / Specifications

CHAPTER TEN / COOLING SYSTEM

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CHAPTER ELEVEN / WHEELS AND TIRES

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CHAPTER TWELVE / FRONT SUSPENSION AND STEERING

Front fork / Handlebar / Grip replacement / Steering head / Steering head bearing races / Lower bearing inner race replacement / Specifications

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CHAPTER FOURTEEN / BRAKES

Brake service / Brake bleeding and draining / Brake pad replacement / Front brake caliper / Front brake master cylinder / Rear brake caliper / Rear brake master cylinder / Floorboard brake pedal assembly / Brake disc / Brake hose replacement / Specifications

CHAPTER FIFTEEN / FRAME

Rider floorboard / Passenger floorboard / Passenger footpeg / Footrest panel / Side cover / Inner cover / Frame neck cover / Seats / Front fender / Rear fender / Saddlebags / Saddlebag guidebars / Trunk / Lower cover / Specifications

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COLOR WIRING DIAGRAMS

Models covered:

1996 1997 1998 1999 2000 2001 Yamaha XVZ13A Royal Star/Boulevard

1996 1997 1998 1999 2000 Yamaha XVZ13AT Tour Classic

2005 2006 2007 2008 2009 2010 Yamaha XVZ13CT Tour Deluxe

1997 1998 1999 2000 2001 Yamaha XVZ13LT Tour Deluxe

1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 Yamaha XVZ13TF Venture

2011 2012 2013 Yamaha XVZ13TFL Venture

Clymer Manuals Yamaha XVZ13A Royal Star Boulevard Manual

Clymer Manuals Yamaha XVZ13AT Tour Classic Manual

Clymer Manuals Yamaha XVZ13CT Tour Deluxe Manual

Clymer Manuals Yamaha XVZ13LT Tour Deluxe Manual

Clymer Manuals Yamaha XVZ13TF Venture Manual

Clymer Manuals Yamaha XVZ13A Royal Star Boulevard Online Manual

Clymer Manuals Yamaha XVZ13AT Tour Classic Online Manual

Clymer Manuals Yamaha XVZ13CT Tour Deluxe Online Manual

Clymer Manuals Yamaha XVZ13LT Tour Deluxe Online Manual

Clymer Manuals Yamaha XVZ13TF Venture Online Manual

XVZ13A Royal Star Boulevard (1996-2001)
XVZ13LT Royal Star Tour Deluxe (1997-2001)
XVZ13AT Royal Star Tour Classic (1996-2000)
XVZ13TF Royal Star Venture (1999-2010)
XVZ13CT Royal Star Tour Deluxe (2005-2010)
XVZ13TFL Venture (2011-2013)