

This Yamaha V-Star 650 Manual is 376 pages.

QUICK REFERENCE DATA

CHAPTER ONE / GENERAL INFORMATION

Manual organization / Notes, cautions and warnings / Safety first / Service hints / Washing the bike / Special tips / Torque specifications / Fasteners / Lubricants / RTV gasket sealant / Gasket remover / Threadlocking compound / Expendable supplies / Serial numbers / Warning and information labels / Basic hand tools / Precision measuring tools / Special tools / Fabricating tools / Mechanics tips / Ball bearing replacement / Seals / Riding safety / Storage / Specifications

CHAPTER TWO / TROUBLESHOOTING

Operating requirements / Troubleshooting instruments / Starting the engine / Starting difficulties / Engine starting troubleshooting / Engine performance / Engine noises / Engine lubrication / Cylinder leakdown test / Clutch / Gearshift linkage / Transmission / Electrical troubleshooting test equipment / Basic test procedures / Electrical problems / Carburetor troubleshooting / Excessive vibration / Front suspension and steering / Brake problems / Specifications

CHAPTER THREE / LUBRICATION, MAINTENANCE AND TUNE-UP

Pre-ride checks / Maintenance intervals / Tires / Battery / New battery installation / Battery electrical cable connectors / Periodic lubrication / Engine oil and filter change / Final drive gear oil change / Front fork oil change / Cable lubrication / Periodic maintenance / Clutch adjustment / Throttle cable adjustment / Fuel filter service / Air cleaner service / Steering play check / Tune-up / Valve clearance measurement and adjustment / Cylinder compression check / Spark plug / ignition timing / Carburetor synchronization / Idle speed adjustment / Specifications

CHAPTER FOUR / ENGINE TOP END

Engine principles / Servicing engine in the frame / Cylinder head covers / Cylinder head / Rocker arms / Camshaft / Cam chain and chain guides / Valves and valve components / Cylinder block / Piston and piston rings / Specifications

CHAPTER FIVE / ENGINE LOWER END

Servicing engine in the frame / Engine / Alternator cover / Stator and pickup coils / Alternator rotor and starter gears / Starter clutch / Middle driven gear assembly / Middle drive pinion gear / Primary drive gear / Oil pump / Oil strainer / Crankcase / Crankshaft / Connecting rods / Break-in / Specifications

CHAPTER SIX / CLUTCH AND EXTERNAL SHIFT MECHANISM

Clutch cover / Clutch / Clutch release mechanism / Clutch cable replacement / Primary drive gear and oil pump spur gear / External shift mechanism / Specifications

CHAPTER SEVEN / TRANSMISSION AND INTERNAL SHIFT MECHANISM

Transmission / Internal shift mechanism / Shift pedal/footpeg assembly / Specifications

CHAPTER EIGHT / FUEL, EMISSION CONTROL AND EXHAUST SYSTEMS

Air filter housing / Surge tank assembly / Carburetor operation / Carburetor / Throttle position sensor / Carburetor heater system / Fuel cut solenoid valves/Fuel level / Throttle cable / Choke cable / Fuel tank / Fuel valve / Fuel filter / Fuel pump bracket / Air induction system / Evaporative emission control / Exhaust system / Specifications

CHAPTER NINE / ELECTRICAL SYSTEM

Charging system / Stator / Voltage regulator/rectifier / Ignition system / Ignition coil / Pickup coil / Relay unit / Spark plug / Igniter unit / Starting system / Starter motor / Starting circuit cut-off relay / Starting system diode / Starter relay / Lighting system / Headlight / Meter assembly / Taillight / Signal system / Brake light / Neutral indicator light / Turn signals / Horn / Fuel pump system / Carburetor heater system throttle position sensor / Fuel cut solenoid valves/Switches / Wiring connectors / Fuses/Self-diagnostic system / Specifications

CHAPTER TEN / FRONT SUSPENSION AND STEERING

Bike stand / Front wheel / Front hub / Rim and spoke service / Wheel balance / Tire changing / Handlebar / Steering head / Front fork / Specifications

CHAPTER ELEVEN / REAR SUSPENSION

Rear wheel / Rear hub / Final gearcase and drive shaft / Shock absorber / Swing arm / Specifications

CHAPTER TWELVE / BRAKES

Disc brakes / Front brake pad replacement / Front caliper / Front master cylinder / Front brake hose replacement / Brake disc / Bleeding the system / Rear drum brake / Brake pedal/footpeg assembly / Brake rod assembly / Specifications

CHAPTER THIRTEEN / FRAME

Seat / Front fender / Rear fender / Frame neck cover / Battery box cover / Right side cover / Tool box cover / Left side cover / Sidestand / Footpeg / Frame / Specifications

COLOR WIRING DIAGRAM

Models covered:

1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 Yamaha V-Star 650 Classic
1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 Yamaha V-Star 650 Custom
1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 Yamaha V-Star 650 Silverado
VStar
Drag Star Dragstar 650 VStar

Clymer Yamaha V-Star 650 Classic Manual
Clymer Yamaha V-Star 650 Custom Manual
Clymer Yamaha V-Star 650 Silverado Manual
Clymer Yamaha V-Star 650 Classic Online Manual
Clymer Yamaha V-Star 650 Custom Online Manual
Clymer Yamaha V-Star 650 Silverado Online Manual

V-Star 650 Custom (1998-2011)
V-Star 650 Classic (1998-2011)
V-Star 650 Silverado (1998-2011)