

# Service & Repair Manual Yamaha (v)z150c (v)z175c (l)z200c

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oil pump link rod Power trim and tilt unit Checking the power trim and tilt operation Checking the power trim and tilt fluid level Lower unit Checking the gear oil level Changing the gear oil Checking the lower unit for air leakage Checking the propeller General Checking the anodes Checking the battery Lubricating the outboard motor Fuel system Special service tools Hose routing Fuel hoses and fuel pipes Fuel filter Fuel pump Checking the fuel pumps Disassembling the fuel pumps Assembling the fuel pumps Oil injection system Checking the check valve Checking the oil filter Checking the oil tank Assembling the oil tank Installing the oil pump Bleeding the oil injection system Throttle body assembly and vapor separator Measuring the fuel pressure (medium-pressure fuel line) Checking the pressure regulator Reducing the fuel pressure (medium-pressure fuel line) Disconnecting the medium-pressure fuel hose joint Removing the throttle body assembly Removing the medium-pressure fuel hose clamps Installing the medium-pressure fuel hose clamps Removing the electric fuel pump filter Checking the vapor separator Installing the electric fuel pump filter Installing the throttle body assembly Synchronizing the throttle valves Adjusting the throttle position sensor High-pressure fuel line High-pressure fuel pump Installing the joints Installing the fuel pipes Installing the fuel injectors Power unit Special service tools Power unit Checking the compression pressure Removing the drive belt and sprockets Checking the drive belt and sprockets Installing the sprockets and drive belt Removing the power unit Removing the flywheel magnet Removing the stator coil and pulser coil Removing the starter motor Intake manifold Removing the intake manifold Checking the reed valve Throttle lever and shift position switch Cylinder head Removing the cylinder head Checking the cylinder head Exhaust cover Removing the exhaust cover Checking the pressure control valve Installing the pressure control valve Crankcase Lower unit Special service tools Lower unit (regular rotation model) Removing the lower unit Removing the water pump and shift rod Checking the water pump and shift rod Propeller shaft housing (regular rotation model) Removing the propeller shaft housing assembly Disassembling the propeller shaft assembly Disassembling the propeller shaft housing Checking the propeller shaft housing Checking the propeller shaft Assembling the propeller shaft assembly Assembling the propeller shaft housing Drive shaft and lower case (regular rotation model) Removing the drive shaft Disassembling the drive shaft housing Disassembling the forward gear Disassembling the lower case Checking the pinion and forward gear Checking the bearings Checking the drive shaft Checking the lower case Assembling the lower case Assembling the forward gear Assembling the drive shaft housing Installing the drive shaft Installing the propeller shaft housing Installing the water

pump and shift rod Installing the lower unit Shimming (regular rotation model) Shimming Selecting the pinion shims Selecting the forward gear shims Selecting the reverse gear shims Backlash (regular rotation model) Measuring the forward and reverse gear backlash Lower unit (counter rotation model) Removing the lower unit Removing the water pump and shift rod Checking the water pump and shift rod Propeller shaft housing (counter rotation model) Removing the propeller shaft housing assembly Disassembling the propeller shaft assembly Disassembling the forward gear Disassembling the propeller shaft housing Checking the propeller shaft housing Checking the propeller shaft Assembling the propeller shaft housing Drive shaft and lower case (counter rotation model) Removing the drive shaft Disassembling the drive shaft housing Disassembling the reverse gear Disassembling the lower case Checking the pinion and reverse gear Checking the bearings Checking the drive shaft Checking the lower case Assembling the lower case Assembling the reverse gear Assembling the drive shaft housing Installing the drive shaft Installing the propeller shaft housing Installing the water pump and shift rod Installing the lower unit Shimming (counter rotation model) Shimming Selecting the pinion shims Selecting the reverse gear shims Selecting the forward gear shims Selecting the propeller shaft shims Backlash (counter rotation model) Measuring the forward and reverse gear backlash Bracket unit Special service tools Bottom cowling Upper case Disassembling the upper case Checking the upper case Removing the drive shaft bushing (X-transom model) Checking the drive shaft bushing (X-transom model) Installing the drive shaft bushing (X-transom model) Assembling the upper case Steering arm Removing the steering arm Installing the steering arm Installing the upper case Power trim and tilt unit Removing the power trim and tilt unit Checking the hydraulic pressure Disassembling the power trim and tilt motor Checking the power trim and tilt motor Assembling the power trim and tilt motor Removing the reservoir Disassembling the gear pump housing Checking the gear pump Assembling the gear pump housing Disassembling the tilt cylinder and trim cylinders Checking the tilt cylinder and trim cylinder Assembling the tilt piston and trim pistons Assembling the power trim and tilt unit Bleeding the power trim and tilt unit Installing the power trim and tilt unit Bleeding the power trim and tilt unit (built-in) Clamp brackets Removing the clamp brackets Installing the clamp brackets Adjusting the trim sensor cam Power trim and tilt electrical system Checking the fuse Checking the power trim and tilt relay Checking the power trim and tilt switch Checking the trim sensor Electrical systems Special service tools Checking the electrical components Measuring the peak voltage Measuring the lower resistance Electrical components Port view

Starboard view Junction box assembly Aft view Top view Wiring harness Ignition and ignition control system Checking the ignition spark Checking the spark plug caps Checking the ignition coils Checking the ECM Checking the pulser coil Checking the crank position sensor Checking the crank position sensor air gap Checking the throttle position sensor Checking the sensor assembly Checking the engine temperature sensor Checking the thermostats Checking the shift position switch Checking the ECM main relay Fuel control system Checking the injector drivers Checking the fuel pressure sensor Checking the water detection switch Checking the electric fuel pump Checking the electric fuel pump relay Checking the injector driver relay Checking the oxygen density sensor Starting system Checking the fuses Checking the starter relay Starter motor Disassembling the starter motor Checking the starter motor pinion Checking the armature Checking the brushes Checking the magnet switch Checking the starter motor operation Charging system Checking the stator coil Checking the Rectifier Regulator Oil feed pump control system Checking the electric oil pump Checking the oil level sensor Checking the emergency switch Checking the oil pump (remote oil tank) Troubleshooting Special service tools Yamaha Diagnostic System Introduction Power unit Self-diagnosis Diagnosing the electronic control system Language: English Format: PDF Pages: 316 If you have a request, dont hesitate to ask us

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