

# Lit 18616 02 76 F200c 2004

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Fuel system Special service tools Hose routing Fuel and blowby hoses Intake silencer, fuel filter, and fuel pump Vapor separator Removing the hose clamps Installing the hose clamps Checking the check valve Reducing the fuel pressure Checking the vapor separator Intake manifold and high-pressure fuel line Throttle control Removing the pressure regulator Disconnecting the high-pressure fuel hose joint Checking the fuel injector Checking the idle speed control (ISC) Synchronizing the throttle valve Power unit Special service tools Power unit Checking the compression pressure Checking the oil pressure Checking the oil pressure sensor Checking the valve clearance Replacing the timing belt Removing the power unit Removing the oil filter Removing the timing belt and sprockets Checking the timing belt and sprockets Installing the sprockets and timing belt Cylinder head Removing the cylinder head Checking the valve springs Checking the valves Checking the valve guides Replacing the valve guides Checking the valve seat Refacing the valve seat Checking the camshaft Checking the timing chain tensioner Checking the timing chain Checking the cylinder head Installing the valves Installing the cylinder head 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 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 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, steering arm, swivel bracket and clamp brackets Draining the engine oil Disassembling the oil pan Checking the oil strainer Assembling the oil pan Removing the steering arm Installing the steering arm Installing the upper case Removing the power trim and tilt unit Removing the clamp brackets Installing the clamp brackets Installing the power trim and tilt unit Adjusting the trim sensor Power trim and tilt unit Disassembling the power trim and tilt motor Checking the power trim and tilt motor Assembling the power trim and tilt motor Checking the hydraulic pressure Disassembling the gear pump Disassembling the tilt cylinder and trim cylinders Checking the reservoir Checking the tilt cylinder and trim cylinder Checking the valves Checking the filters Checking the gear pump Checking the gear pump housing Assembling the gear pump Assembling the tilt ram Assembling the trim rams Installing the tilt cylinder Installing the trim rams Installing the power trim and tilt motor Installing the reservoir Installing the tilt ram Bleeding the power trim and tilt unit Not installed Built-in 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 Starboard and rear views Port view Front view Top view Wiring harness Ignition and ignition control system Checking the ignition spark gap Checking the ignition coil Checking the ECM Checking the pulser coil Checking the throttle position sensor Checking the intake air temperature sensor Checking the engine temperature sensor Checking the thermost switch Checking the shift cut switch Checking the neutral switch Checking the main relay Fuel control system Checking the low-pressure fuel pump and high-pressure fuel pump Starting system Checking the fuse Checking the wiring harness (10 pins) Checking the starter relay Starter motor Removing the starter motor pinion 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

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