



service bulletin

1990 Index

- 90-1 Panel Mount Pro 120 Remote Control - Mariner 175 Ski
- 90-2 Rubber Retainer-Bleed Check Valve - 1990 Mariner/Mercury 75-115
- 90-3 Reed Block Gasket - Mariner/Mercury 100/115
- 90-4 Top Cowl Unlatching - 1989 And 1990 Mariner/Mercury 135-200
- 90-5 Service/Repair of Electrical Test Equipment
- 90-6 Excessive Exhaust Smoke/Spark Plug Fouling - Mariner 40 Magnum/Mercury Electric Start (4 Cyl.)
- 90-7 Voltage Regulator Wire Interference - 1990 Mariner/Mercury 135-200
- 90-8 Obstructed Fuel Line Connector - Mariner/Mercury 8-200 Models
- 90-9 Lean Above Idle - 1990 Mariner/Mercury 135
- 90-10 High Elevation Gear Ratio Exchange Program - Mariner/Mercury/Sea Ray 100-220 Models
- 90-11 US and Canada Gasoline Recommendations - Mariner and Mercury Models
- 90-12 Textured Decals - Mercury 70-275
- 90-13 Reversed Steering Control Cables - Thruster R33 and R45 Models
- 90-14 ECU and TPI Setting Change - 175 Magnum/XRi
- 90-15 Lower End Cap Seal Improvement - 40 (4 Cyl.)
- 90-16 Overheating - 1988 Sea Ray 135 and 175
- 90-17 Carburetor Main Jet Replacement - 1991 60 Models



service bulletin

1991 Index

- 91-1 "45" Mark on Cast Iron Flywheel - 135 thru 200
- 91-2 Low Ignition Output: 135-200 w/40 Amp Charging System
- 91-3 Starter Drive Material Change - 35 thru 275
- 91-4 Friction Nut Assembly - Co-Pilot P/N 11-52155A1 Increased Friction Holding Capacity
- 91-5 Air Leak/Fuel Restriction - Plastic Fuel Tank - 6.6 Gallon
- 91-6 Throttle Cam Change - 100/115 Models
- 91-7 Hesitation and/or Surge - Mariner and Mercury 175
- 91-8 Intake Manifold Leak - 1991 Mariner/Mercury 50 & 60 51.8 CID (849cc)
- 91-9 Autoblend Inlet Check Valve - P/N 21-811008
- 91-10 Voltage Regulator Test - 1991 75-115
- 91-11 Thicker Fuel Pump Check Valves - 1991 40 thru 275
- 91-12 Replacement Speedometer Tube - 35 thru 275
- 91-13 Top Cowl Air Deflector Kit - 135 thru 200
- 91-14 Relocation of Gear Housing Vent Hole - 1991 75 thru 115
- 91-15 Oil Injection Crankcase Pressure Valve - 135 thru 275
- 91-16 Cylinder Block Bearing Shoulder Bore Depth - 135 thru 200
- 91-17 Outboard Chrome Bore Replating - 2, 2.4 and 3.4 Liter
- 91-18 Thermostat Change - 75 thru 115
- 91-19 Cylinder Head Dome Size - 1991 200
- 91-20 Flywheel Replacement - 1991 40
- 91-21 Flywheel Puller P/N 91-73687A2
- 91-22 Galvanic Corrosion - 250/275
- 91-23 Linkage Swivel Bushing - 20 thru 200
- 91-24 Shipping Damage to Outboard - 3 thru 275
- 91-25 Two Cable Steering - Tube Alignment - 70 thru 275
- 91-26 Top Cowl Unlatching - 1989-1991 135 thru 200
- 91-27 Crankshaft Sealing Ring Change - 1991 135-200
- 91-28 Power Trim Relay Inspection - 1992 50 and 60



service bulletin

1992 Index

- 92-1 WMH Carburetor Kit P/N 810750--1 - 135 thru 200
- 92-2 Oil Tank Leak - 50/60
- 92-3 Power Steering Actuator Repair Kit - P/N 811632
- 92-4 Alignment/Memory Piston Removal Tool - P/N 91-11230--1
- 92-5 Power Steering Kits P/N 17443A2, A3, A7, A8, and A10 - 1992 135 thru 200
- 92-6 Lower End Cap Seal Change - 1992 40 (4 Cylinder)
- 92-7 Improved Cylinder Head - 135 thru 220
- 92-8 Slow Trim/Tilt Rate - 1992 75 thru 115
- 92-9 Required Fuel Filter Replacement - 40 thru 275
- 92-10 Sta-Strap and Link Rod Interference - 75 thru 115
- 92-11 Battery Isolator Kit P/N 84-815366A3 - 70 thru 200
- 92-12 Power Trim Rocker Arm - 75 thru 115
- 92-13 Gearcase Oil Slinger Eliminated - 135 thru 200
- 92-14 Stronger Spark Advance Spring P/N 24-823235 - 135 thru 200
- 92-15 Bleed Restrictor P/N 823829 - 1992 and Previous 135 thru 225
- 92-16 Timing Decal - 1991 and 1992 200 HP Carburetor Models
- 92-17 Voltage Regulator Failures - 1992 135 thru 200
- 92-18 Quicksilver Propeller Failures and Guidelines
- 92-19 Trigger Modification - 250/275
- 92-20 Modified Propellers for Troubleshooting - 9.9 thru 275
- 92-21 Outboard Wiring Color Chart
- 92-22 Outboard Installation - 135 thru 200 HP



service bulletin

1993 Index

- 93-1 Remote Control Handle Change - P/N 92744A2
- 93-2 Flywheel Replacement 1991 100 thru 200 HP Models
- 93-3 Fuel Recommendations - 2 thru 275
- 93-4 Fuel Filter P/N 35-823501 Installed - 150/175/200 EFI
- 93-5 Carburetor Main Jet Replacement - 1993 200 Models
- 93-6 High Elevation Gear Ratio/Gear Housing Exchange Program Mariner/Mercury 100 - 200 Models
- 93-7 Paralift P/N 818143A-4 Pivot Bushing Replacement
- 93-8 Sport Jet 90 Flushing Kit
- 93-9 Shift Cable Lost Motion and Attachment
- 93-10 Soft Rewind Starter Pawls - 6 thru 25,55
- 93-11 Improved Manual Tilt Assist - Speed/Effort 1991 - 1993 40 thru 60
- 93-12 Detonation Sensor and Module - 1993 200 Magnum EFI/XRi
- 93-13 Voltage Regulator Failures - 135 thru 200
- 93-14 Service/Repair Of Electrical Test Equipment
- 93-15 Cylinder Head Bolt Torque - 135 thru 220
- 93-16 Cylinder Head Change - 135 thru 200
- 93-17 Spark Plug Change - 225
- 93-18 Carburetor Main Jet Change - 1993 100/115 Models
- 93-19 Lean Condition Between 2000 and 3500 RPM - 135 thru 200
- 93-20 225 Update
- 93-21 Fuel Pump Replacement - 40 thru 225
- 93-22 Power Trim Leak Down - 40 thru 115
- 93-23 Rich Idle Condition - Sport Jet 90
- 93-24 Ride Plate Damage - Sport Jet 90



service bulletin

1994 Index

- 94-1 Power Steering Actuator Seal Failures
- 94-2 Cast Iron Cylinder Sleeve - 2.4 Liter 200 and 225
- 94-3 Trim Gauge Reading Opposite
- 94-4 Missing Data - Digital Diagnostic Terminal Screen - 225
- 94-5 Water Pump Base Replacement - 30/40
- 94-6 Oil Injection Conversion Kit - Sport Jet 90
- 94-7 Locking Tab, Pivot Bolt and Starter Solenoid - Sport Jet 90
- 94-8 Shift Interrupt Diode Replacement Kit P/N 17461A5 - 225
- 94-9 Sport Jet 90 Information Update
- 94-10 Power Trim Shaft Not Engaging Sender - 75 thru 125
- 94-11 Powerhead Water Ingestion - 225
- 94-12 Ring Gear Mounting Screws - 9.9 Thru 25 Electric Start Models
- 94-13 Power Trim Partial Leak Down At Maximum Trim - 75 thru 125
- 94-14 Pre-Loaded Reeds - 6 thru 15
- 94-15 Manual Starter Interlock Lever Replacement - 30/40 and 55/60 Marathon/Sea Pro



service bulletin

1995 Index

- 95-1 Accumulator Removal - Manual Tilt Assist - 40 (4 Cylinder), 50/60, 55 Marathon/Sea Pro and Jet 30 & 45
- 95-2 Gearhousing Exchange Program - 150 thru 200
- 95-3 Outboard Serial Number Decal and Shipping Carton Information
- 95-4 Powerhead Lower End Cap - 225, 225 EFI, 3 Liter
- 95-5 Reformulated Gasoline (USA)
- 95-6 Thruster Service and Parts
- 95-7 Driveshaft Replacement - 30/40 and 50 (FourStroke)
- 95-8 Propeller Hub Slipping - Small Hub Trophy
- 95-9 Exhaust Manifold Bolts - Sport Jet 120
- 95-10 1996 Product Information - Sport Jet 95XR and 120XR
- 95-11 Quicksilver Digital Diagnostic Terminal (DDT) and Accessories 150 thru 220 EFI, 225/250 3 Liter
- 95-12 Hard Shifting - 20/25 Tiller Handle Shift Models
- 95-13 Service/Repair of Electrical Test Equipment
- 95-14 Merctach Interface Module P/N 825824A-2
- 95-15 Shift Shaft Seal - 225 & 250
- 95-16 Power Trim Manual Release Valve Tip Breakage - 35 thru 125
- 95-17 Mechanics Precautions - 225, 225 EFI, 250 EFI, 3 Liter Marathon/Sea Pro
- 95-18 Compression Tests - Sport Jet 120
- 95-19 Turn Key Start Kit - Sport Jet 190
- 95-20 New Stator - Sport Jet 90



service bulletin

1996 Index

- 96-1 Power Trim Relay - 135 thru 200
- 96-2 Voltage Regulator V6
- 96-3 Reduced Wide Open Throttle RPM - 225 HP, (3 Liter) EFI
- 96-4 Key Switch Replacement
- 96-5 Detonation Control Module Replacement - 200 HP, EFI
- 96-6 Oil Pump Tubing - 135 thru 220
- 96-7 Fuel Pump Replacement - 45/50 (FourStroke)
- 96-8 Maintenance Recommendations
- 96-9 Cowl Decals - 6 thru 250 HP
- 96-10 Oil Injection Pump - Sport Jet
- 96-11 Crankshaft Replacement - 45/50 (FourStroke)
- 96-12 Camshaft Oil Seal Replacement - 45/50 (FourStroke)
- 96-13 Commander 3000 Remote Control
- 96-14 Counter Rotation Gearcase Installation - 135 thru 250
- 96-15 Idle Relief Restriction - 75 thru 250 HP
- 96-16 Gear Failures - 30/40 (2-Cylinder), 45/50 (FourStroke)
- 96-17 Clutch Failers - 75 thru 125
- 96-18 High Elevation Gear Ratio/Gear Housing Exchange Program 100-250 HP Models
- 96-19 CDM Ground Wire Breaking - 75 thru 125
- 96-20 Poppet/Relief Valve Spring - 3.0 Liter
- 96-21 Overheating - 3 Liter



service bulletin

1997 Index

- 97-1 Replating Chrome, Nikasil, Ni-com Cylinders - V6
- 97-2 Bearing Carrier Nut Low Torque - 60 Big Foot, 75 thru 125
- 97-3 Starter Motor Failures - 6 thru 250
- 97-4 Special Adjustment for Startor Failures - 75 thru 125, Sport Jet 90/120
- 97-5 Adaptor Plate Improvements - 3.0 Liter V6
- 97-6 Warranty and Registration of Unsold Non-Current Outboards
- 97-7 Gearhousing Modification
- 97-8 Reverse Gate Adjustment - Sport Jet 175 XR²
- 97-9 Water Pump Base Cracked - 50 thru 60
- 97-10 Special Tools
- 97-11 Emissions Information
- 97-12 Gear Failures - 40/50 and 45/50
- 97-13 Stainless Steel Propellers - 60 thru 250
- 97-14 Hard Starting of Hot Engine - 45/50 (FourStroke)
- 97-15 Paint Codes and Part Numbers
- 97-16 Nozzle Assembly - Sport Jet 175
- 97-17 Cross Pins Missing - Single Ram Power Trim - 40 thru 125
- 97-18 Oil Injection Gear Failures - 135 thru 200 - 2.0L, 2.4L & 2.5L V6
- 97-19 Engine Shipping Damage and Missing Parts
- 97-20 Modified Test Propellers For Troubleshooting - 9.9 thru 3.4L
- 97-21 Propeller Shaft Seal - 25, 45/50 (FourStroke) and 30/40, 40/50, 55/60 (TwoStroke)
- 97-22 Important Break-In Information
- 97-23 Propeller Selection - 200 thru 250 (3 Liter)



service bulletin

1998 Index

- 98-1 Power Trim Piston/Rod Replacement P/N 43397A6
- 98-2 Over Torque of Flywheel Bolt - 20/25 (TwoStroke) & 20 Jet
- 98-3 135/150 OptiMax Update
- 98-4 Manual Venting Fuel Tank Conversion - Plastic 6.6 Gallon Tank
- 98-5 Starter Motor P/N 50-818445-3
- 98-6 Tempset and Trophy Propeller Flo-Torque II Bushing (A45/A46 Series)
- 98-7 Propeller Failures and Guidelines - 6 thru 250
- 98-8 135/150 OptiMax Update
- 98-9 Burned Propellers Hubs & Shaft Seals - 3.0 Liter
- 98-10 High Oil Consumption - 3.0 Liter EFI V6
- 98-11 Siphon Break - Sport Jet
- 98-12 CDM Ignition Systems
- 98-13 Reverse Lock Link Rod Replacement - 15 (FourStroke)
- 98-14 Upper Motor Mount Replacement - 9.9/15 (FourStroke)
- 98-15 Additional Warning Signal - Sport Jet 175 XR²
- 98-16 Hose Replacement - 6 thru 200
- 98-17 Engine Shipping Damage and Missing Parts
- 98-18 Ground - Ignition Components Plated - Force 75, 90, 120
- 98-19 Service Tools - 25 thru 250
- 98-20 Service/Repair of Electrical Test Equipment
- 98-21 Paralift Usage - 3.0 Liter
- 98-22 Quicksilver Digital Diagnostic Terminal (DDT)
- 98-23 Check Valve Kit - 135/150 OptiMax



service bulletin

1999 Index

- 99-1 V-6 Power Trim Motor Harness
- 99-2 Propeller Whine - 25 thru 50
- 99-3 Special Aluminum Propellers Required for 40 BigFoot (FourStroke) Models
- 99-4 Break-In Procedure 3.0 Liter
- 99-5 Fuel Starvation
- 99-6 End Cap OptiMax Air Compressor
- 99-7 Steering Arm 3.0 Liter
- 99-8 Red Stator - 6 thru 25 (TwoStroke)
- 99-9 Gearcase Sleeve 41121 - 9.9 (FourStroke) & 20/25 (TwoStroke)
- 99-10 Tilt Release - Bigfoot 50 (FourStroke) & 60 (TwoStroke)
- 99-11 Vapor Separator Cover (VST) - Fitting
- 99-12 3.0 Liter Mounting Height - 200 thru 250
- 99-13 DDT Data Worksheet 90-858879
- 99-14 New Service Tools
- 99-15 Engine Battery and Battery Cable Requirements
- 99-16 Commander 3000 Classic Panel Mount Remote Control Decal



service bulletin

2000 Index

- 2000-1 Steering Link Rod Attaching Bolt - V6
- 2000-2 SmartCraft Gauge Trouble Shooting and Service Tips
- 2000-3 Shifting Effort - 75/90 (FourStroke)
- 2000-4 Shift Link - 75/90 (FourStroke)
- 2000-5 Manual Tilt Cross Pin Loose - 55/60 (TwoStroke)
- 2000-6 Wire Harness Shunt Resistor - 25, 30/40/40 Bigfoot (FourStroke)
- 2000-7 Air Compressor End Cap Oil Leak
- 2000-8 Oil Control - 25, 30/40, 40/45/50 (FourStroke)
- 2000-9 Special Aluminum Propellers Required for 50/60 Bigfoot (FourStroke) Models
- 2000-10 Oil Coupler/Bearing - Sport Jet 175
- 2000-11 Analog Gauge Connections for Digital OptiMax Models
- 2000-12 DDT Cartridge and Worksheet - OptiMax 2001 Models
- 2000-13 Fuel Sender Connection Modification (OptiMax)
- 2000-14 Hard Starting - 240 EFI M² Jet Drive
- 2000-15 Voltage Regulator - 240 HP Jet Drive
- 2000-16 Shift Link 3.0 Liter



service bulletin

2001 Index

- 2001-1 Direct Injector Replacement
- 2001-2 Reference Voltage Circuit
- 2001-3 Fuel Hose Routing
- 2001-4 Tachometer Signal - 75/90 FourStroke
- 2001-5 Spark Plug Boot Removal & Installation
- 2001-6 Flywheel Nut Retorque - 115 EFI FourStroke
- 2001-7 In-Line Fuel Filter - 75/90 FourStroke
- 2001-8 Running Engine Without the Gearcase - 75/90, 115 FourStroke
- 2001-9 Voltage Regulators - 240 HP Jet Drives
- 2001-10 Fuel Filter - 175/210/240 Jets
- 2001-11 3.0 Liter Driveshaft Oil Seal Carrier Kit
- 2001-12 Fuel Additive Recommendation (Quickleen)
- 2001-13 SmartCraft Troubleshooting
- 2001-14 Spark Plug Fouling - 3.0 Liter OptiMax
- 2001-15 Rocker Arm Failure Outboard Replacement - 30/40 & 40/50/60 FourStroke
- 2001-16 Tach Adapter - 6 thru 25 HP Electric 2002 MY
- 2001-17 Fuel Starvation
- 2001-18 Spark Plug Fouling, 3.0 Liter OptiMax (Revised)
- 2001-19 Oil Pump Replacement - 90 & 115 FourStroke
- 2001-20 New Special Tools and Service Aids
- 2001-21 Water Tube Guide Causing Engine Overheating - 40 (3 Cyl.) Bigfoot & 40 thru 60 FourStroke



service bulletin

2002 Index

- 2002-1 2.33:1 Gear Ratio - 75/90 (FourStroke)
- 2002-2 Water Intrusion (Top Cowl)
- 2002-3 Expired Fix Campaigns
- 2002-4 Idle Relief Noise - 40 thru 60 FourStroke
- 2002-5 Warranty and Preparation of New, Unsold, Non-current Product
- 2002-6 Discharged Battery Following Periods of Extended Non-Use - 75/90 (FourStroke)
- 2002-7 Spark Plug Fouling 3.0 Liter OptiMax
- 2002-8 New Thermostats and Thermostat Covers - 3.0 Liter
- 2002-9 Corrosion Prevention and Maintenance
- 2002-10 Fusible Link - V6 Charging System
- 2002-11 Mercury Side Mount Control (MSC) 4000 with Power Trim Switch
- 2002-12 High Idle RPM - 115 EFI (FourStroke)
- 2002-13 Cylinder Bore Seals - 3.0 Liter Outboards and Sport Jet
- 2002-14 Uneven or Increased Effort After Control Installation - Commander 3000 Classic Panel Mount Remote Control
- 2002-15 SmartCraft Communication Problem
- 2002-16 Testing Alternators
- 2002-17 Key Switch Harness (859722A16) - Sea Doo Boats
- 2002-18 Carburetor Fuel Inlet Clamp - 25 FourStroke
- 2002-19 Voltage Regulator Wire Contact - 40/50/60 EFI FourStroke
- 2002-20 Electric Fuel Pumps (Seized)
- 2002-21 Powerhead & Adaptor Plate Bolt Torque - 25 thru 60 FourStroke
- 2002-22 New Spark Plug (OptiMax)



service bulletin

2003 Index

- 2003-1 Carburetor Vent House - 25 FourStroke
- 2003-2 200 HP EFI, 3.0 Liter Outboard (New Model)
- 2003-3 Aftermarket Replacement Aluminum Anodes
- 2003-4 Electric Fuel Pump Harness Connection
- 2003-5 Engine Shipping Damage and Missing Parts
- 2003-6 4000/4500 Gen II Control Box
- 2003-7 225 FourStroke Stalling below 1200 RPM
- 2003-8 Electric Oil Pump No Longer Available (NLA)
- 2003-9 Official Recall Notification United States Federal Boat Safety Act 225 EFI FourStroke Throttle Sticking
- 2003-10 Hairpin Cotter 18-859746 is NLA
- 2003-11 Electric Fuel Pump Troubleshooting
- 2003-12 Propeller Failures and Guidelines - Outboards 2.5 Thru 250, Alpha, Bravo One, Bravo Two, Bravo Three Sterndrives Propellers
- 2003-13 Commander Remote Control Replacement Parts
- 2003-14 Crankcase Oil Entering the Breather - 25 FourStroke
- 2003-15 FourStroke 9.9/15HP Camshaft Washer Failure
- 2003-16 Service/Repair of Electrical Test Equipment



service bulletin

2004 Index

- 2004-1 Official Recall Notification U.S. Federal Boat Safety Act Gen II Throttle/Shift Remote Control Cables
- 2004-2 Sport Jet 175XR2 - False Overheat Warning
- 2004-3 Computer Diagnostic System
- 2004-4 Testing Remote Control System
- 2004-5 225 EFI FourStroke Top Cowl
- 2004-6 Remote Control Requirement for 2005 Model Year 8/9.9 HP FourStroke Outboards
- 2004-7 Installation of Neoprene Wrap 1.5L OptiMax
- 2004-8 25 HP (TwoStroke) EPA Decal - Incorrect Information
- 2004-9 8/9.9 2005 Model Year FourStroke Reverse Hook Replacement
- 2004-10 Official Recall Notification United States Federal Boat Safety Act 8/9.9 2005 Model Year FourStroke Tiller Tube Replacement
- 2004-11 Gearcase Warranty Claims
- 2004-12 "Prop Rattle" & Flo-Torq III Propeller Hub
- 2004-13 Powerhead & Adaptor Plate Bolt Torque - 25 thru 60 FourStroke
- 2004-14 225 Pro XS OptiMax Service Manual Release



service bulletin

2005 Index

- 2005-1 Official Recall Notification United States Federal Boat Safety Act Throttle Linkage Rod Replacement
- 2005-2 Fuel Level Sender Accuracy
- 2005-3 30-60 EFI FourStroke Fuel Cooler Hose Replacement
- 2005-4 14 Pin Adapter and Control Harnesses
- 2005-5 Engine Shipping Damage and Missing Parts
- 2005-6 Shipping of Hazardous Material (HazMat) and Engine/Components Containing Hazardous Material
- 2005-7 Digital Throttle and Shift (DTS) Changes
- 2005-8 Mercury 4000 Series Panel Mount Control - Pistol Grip
- 2005-9 Voltage Regulator 883071T1 No Longer Available (NLA)
- 2005-10 Torque Change - Propeller Hub Bushing 23-856163Q1
- 2005-11 30-60 Horsepower FourStroke Voltage Regulator Replacement
- 2005-12 Transom Bolt Torque/Engine Mounting
- 2005-13 Choke Function - 14 Pin Key/Choke Harness
- 2005-14 FourStroke Wire Harness Replacement
- 2005-15 75-125 HP (TwoStroke) Service Manual Correction
- 2005-16 New 14 Pin Key/Choke and Engine Harness Features (non-DTS)



service bulletin

2006 Index

- 2006-1 Steering Tie Bar Kit Enhancements - 200/225/250/275 Verado
- 2006-2 Mercury Panel Mount Electronic Remote Control (ERC) used with Digital Throttle and Shift (DTS) Engines
- 2006-3 2006 Model Year 25/30 EFI FourStroke Accessory Kits
- 2006-4 Outboard Service Manual Colored Diagrams
- 2006-5 Fuel Supply Module (FSM) Float Switch Replacement - 200/225/250/275 Verado
- 2006-6 Ground Strap Kit - 200/225/250/275 Verado