

Installation & Predelivery

Table of Contents

Installation & Predelivery

Safety Notice	4
Abbreviations Used In This Manual	6
Standard Torque Specifications	7
Product Reference and Illustrations	7
Emission-Related Installation Instructions	8
 Boat Rigging	
Remote Controls	10
Control System Selection	10
Control Installation	11
Control Cable and Harness Routing	11
Information Display Systems	12
Engine Monitor System	12
Digital Gauges and Displays	12
<i>SystemCheck</i> Gauges	13
<i>SystemCheck (MWS)</i> Harness Connections	14
<i>I-Command</i> Harness Connections With Mechanical Remote Control	15
Evinrude <i>ICON</i> / <i>I-Command</i> Harness Connections	16
Battery Installation	17
Battery Recommendations	17
Battery Location	17
Battery Connections	17
Battery Cable Requirements	18
Battery Switches and Multiple Batteries	18
Auxiliary Battery Charging	19
Battery and Switch Wiring Diagrams	21
Fuel System Requirements	23
Regulations and Guidelines	23
Permanent Fuel Tanks	23
Portable Fuel Tanks	23
Fuel Hose	23
Fuel Filters	24
Fuel Flow Requirements	25
Remote Oil Tank Installation	25
Location	25
Mounting	26
Oil Tank Profiles	27
Remote Oil Fill Kit (Optional)	28
Cable and Hose Installation	28
Protective Sleeve/Conduit	28
Boat Cable and Harness Routing	29
Battery Cables	30
Fuel Hose	30
Oil Supply Hose	30
Oetiker Clamp Servicing	30

Outboard Installation	
Hull Preparation	33
Transom Measuring and Drilling	35
Lifting The Outboard	46
Steering Systems	47
Manual Hydraulic Steering	47
Mechanical Cables	47
Drag Links	48
Outboard Mounting	49
Outboard Rigging	
Common Practices – All Models	51
Control Cable Identification	51
Cable Retainer Clip Installation	51
Evinrude E-TEC 90° V Models 200–300 HP	52
Evinrude E-TEC 60° V Models 90 H.O.–200 HP	58
Evinrude E-TEC Models 40–90 HP	65
Evinrude E-TEC Models 15–30 HP	71
Fuel and Oil Priming	
Fuel Requirements	75
Fuel System Priming	76
Oil Requirements	76
Oil Supply Priming	78
Predelivery	
Before Start-Up	83
Operational Checks	84
Propellers	86
Propeller Selection	86
Propeller Hardware Installation	86
Water Test and Final Adjustments	88
Engine Mounting Height and Jack Plate Adjustment	88
Fuel System Vacuum	88
Engine Water Pressure	88
Tilt Limit Switch Adjustment (3-Cylinder – V6 Models)	89
Trim Sending Unit Adjustment (3-Cylinder – V6 Models)	89
Trim Sending Unit Adjustment (2-Cylinder Models)	90
Trim Tab Adjustment	91
Dual-Outboard Alignment	92
Index	